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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q1730

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1730

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1730-01	OU4-VSL-15-040325
Q1730-02	OU4-VSL-15-040325
Q1730-03	OU4-VSL-16-040325
Q1730-04	OU4-VSL-16-040325
Q1730-05	OU4-VSL-17-040325
Q1730-06	OU4-VSL-17-040325
Q1730-07	OU4-PCS-TC-21-040325
Q1730-08	OU4-PCS-TC-21-040325
Q1730-09	OU4-PCS-TC-22-040325
Q1730-10	OU4-PCS-TC-22-040325
Q1730-11	OU4-PCS-TC-23-040325
Q1730-12	OU4-PCS-TC-23-040325
Q1730-13	OU4-PCS-TC-24-040325
Q1730-14	OU4-PCS-TC-24-040325
Q1730-15	OU4-PCS-TC-25-040325
Q1730-16	OU4-PCS-TC-25-040325
Q1730-17	OU4-PCS-TC-26-040325
Q1730-18	OU4-PCS-TC-26-040325
Q1730-19	OU4-CF-15-040325
Q1730-20	OU4-CF-15-040325

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: 4/10/2025

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 # Q1730
Test Name: VOCMS Group3

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

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 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 (82Y032725S.M) for Methylene Chloride is passing on Linear Regression.

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

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.

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

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Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

The SDG Q1730 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

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: Q1730 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 (82Y032725S.M) for Methylene Chloride is passing on Linear Regression. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The RPD met criteria. 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:

As per special requirement for this project form-1 are reported in mg/kg.

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

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

The SDG Q1730 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1730

	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:** 04/10/2025

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LAB CHRONICLE

OrderID:	Q1730	**OrderDate:**	4/4/2025 10:51:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1730-01	**OU4-VSL-15-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-03	**OU4-VSL-16-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-05	**OU4-VSL-17-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-07	**OU4-PCS-TC-21-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-09	**OU4-PCS-TC-22-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-11	**OU4-PCS-TC-23-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-13	**OU4-PCS-TC-24-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-15	**OU4-PCS-TC-25-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/04/25	
Q1730-17	**OU4-PCS-TC-26-040325**	**SOIL**			**04/03/25**			**04/04/25**
			VOCMS Group3	8260D			04/07/25	
Q1730-19	**OU4-CF-15-040325**	**SOIL**			**04/03/25**			**04/04/25**

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LAB CHRONICLE

VOCMS Group3	8260D	04/07/25

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Hit Summary Sheet
SW-846

SDG No.: Q1730

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**OU4-VSL-15-040325**								
Q1730-01	OU4-VSL-15-0403	SOIL	Acetone	0.016	J	0.0047	0.020	0.025	mg/Kg
			Total Voc :	0.016					
			Total Concentration:	0.016					
Client ID:	**OU4-VSL-16-040325**								
Q1730-03	OU4-VSL-16-0403	SOIL	Acetone	0.014	J	0.0048	0.020	0.025	mg/Kg
			Total Voc :	0.014					
			Total Concentration:	0.014					
Client ID:	**OU4-VSL-17-040325**								
Q1730-05	OU4-VSL-17-0403	SOIL	Acetone	0.024		0.0045	0.019	0.024	mg/Kg
			Total Voc :	0.024					
			Total Concentration:	0.024					
Client ID:	**OU4-PCS-TC-21-040325**								
Q1730-07	OU4-PCS-TC-21-0	SOIL	Acetone	0.021	J	0.0048	0.020	0.025	mg/Kg
			Total Voc :	0.021					
			Total Concentration:	0.021					
Client ID:	**OU4-PCS-TC-23-040325**								
Q1730-11	OU4-PCS-TC-23-0	SOIL	Acetone	0.028		0.0044	0.019	0.023	mg/Kg
			Total Voc :	0.028					
			Total Concentration:	0.028					
Client ID:	**OU4-PCS-TC-24-040325**								
Q1730-13	OU4-PCS-TC-24-0	SOIL	Acetone	0.017	J	0.0041	0.017	0.021	mg/Kg
			Total Voc :	0.017					
			Total Concentration:	0.017					
Client ID:	**OU4-PCS-TC-25-040325**								
Q1730-15	OU4-PCS-TC-25-0	SOIL	Acetone	0.029		0.0043	0.018	0.023	mg/Kg
			Total Voc :	0.029					
			Total Concentration:	0.029					
Client ID:	**OU4-PCS-TC-26-040325**								
Q1730-17	OU4-PCS-TC-26-0	SOIL	Acetone	0.10		0.0041	0.017	0.022	mg/Kg
			Total Voc :	0.10					
			Total Concentration:	0.10					
Client ID:	**OU4-CF-15-040325**								
Q1730-19	OU4-CF-15-040325	SOIL	Acetone	0.017	J	0.0046	0.019	0.024	mg/Kg
			Total Voc :	0.017					
			Total Concentration:	0.017					

QC SUMMARY

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

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1730-01	OU4-VSL-15-040325	1,2-Dichloroethane-d4	50	48.3	97	71	136
		Dibromofluoromethane	50	47.9	96	78	119
		Toluene-d8	50	49.0	98	85	116
		4-Bromofluorobenzene	50	44.5	89	79	119
Q1730-03	OU4-VSL-16-040325	1,2-Dichloroethane-d4	50	57.7	115	71	136
		Dibromofluoromethane	50	50.6	101	78	119
		Toluene-d8	50	49.5	99	85	116
		4-Bromofluorobenzene	50	47.8	96	79	119
Q1730-05	OU4-VSL-17-040325	1,2-Dichloroethane-d4	50	50.1	100	71	136
		Dibromofluoromethane	50	48.6	97	78	119
		Toluene-d8	50	49.2	98	85	116
		4-Bromofluorobenzene	50	45.3	91	79	119
Q1730-07	OU4-PCS-TC-21-040325	1,2-Dichloroethane-d4	50	58.9	118	71	136
		Dibromofluoromethane	50	51.7	103	78	119
		Toluene-d8	50	50.0	100	85	116
		4-Bromofluorobenzene	50	49.1	98	79	119
Q1730-09	OU4-PCS-TC-22-040325	1,2-Dichloroethane-d4	50	58.5	117	71	136
		Dibromofluoromethane	50	51.1	102	78	119
		Toluene-d8	50	50.2	100	85	116
		4-Bromofluorobenzene	50	49.0	98	79	119
Q1730-11	OU4-PCS-TC-23-040325	1,2-Dichloroethane-d4	50	54.0	108	71	136
		Dibromofluoromethane	50	49.7	99	78	119
		Toluene-d8	50	49.7	99	85	116
		4-Bromofluorobenzene	50	47.1	94	79	119
Q1730-13	OU4-PCS-TC-24-040325	1,2-Dichloroethane-d4	50	59.1	118	71	136
		Dibromofluoromethane	50	50.9	102	78	119
		Toluene-d8	50	50.4	101	85	116
		4-Bromofluorobenzene	50	49.5	99	79	119
Q1730-15	OU4-PCS-TC-25-040325	1,2-Dichloroethane-d4	50	55.6	111	71	136
		Dibromofluoromethane	50	50.4	101	78	119
		Toluene-d8	50	50.2	100	85	116
		4-Bromofluorobenzene	50	48.5	97	79	119
Q1730-17	OU4-PCS-TC-26-040325	1,2-Dichloroethane-d4	50	55.3	111	71	136
		Dibromofluoromethane	50	52.1	104	78	119
		Toluene-d8	50	49.3	99	85	116
		4-Bromofluorobenzene	50	41.7	83	79	119
Q1730-19	OU4-CF-15-040325	1,2-Dichloroethane-d4	50	62.8	126	71	136
		Dibromofluoromethane	50	56.0	112	78	119
		Toluene-d8	50	51.9	104	85	116
		4-Bromofluorobenzene	50	45.2	90	79	119
VY0404SBL01	VY0404SBL01	1,2-Dichloroethane-d4	50	52.3	105	71	136
		Dibromofluoromethane	50	50.5	101	78	119
		Toluene-d8	50	49.3	99	85	116
		4-Bromofluorobenzene	50	45.2	90	79	119
VY0404SBS01	VY0404SBS01	1,2-Dichloroethane-d4	50	52.4	105	71	136
		Dibromofluoromethane	50	53.3	107	78	119
		Toluene-d8	50	53.8	108	85	116
		4-Bromofluorobenzene	50	52.8	106	79	119
VY0404SBSD01	VY0404SBSD01	1,2-Dichloroethane-d4	50	49.8	100	71	136
		Dibromofluoromethane	50	52.1	104	78	119

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Surrogate Summary

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0404SBSD01	VY0404SBSD01	Toluene-d8	50	51.8	104	85	116
		4-Bromofluorobenzene	50	51.0	102	79	119
VY0407SBL01	VY0407SBL01	1,2-Dichloroethane-d4	50	51.6	103	71	136
		Dibromofluoromethane	50	50.3	101	78	119
		Toluene-d8	50	47.6	95	85	116
		4-Bromofluorobenzene	50	41.9	84	79	119
VY0407SBS01	VY0407SBS01	1,2-Dichloroethane-d4	50	51.4	103	71	136
		Dibromofluoromethane	50	51.1	102	78	119
		Toluene-d8	50	51.3	103	85	116
		4-Bromofluorobenzene	50	51.8	104	79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY021778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0404SBS01	Dichlorodifluoromethane	20	18.7	ug/Kg	94			29	149	
	Chloromethane	20	19.1	ug/Kg	96			50	136	
	Vinyl chloride	20	18.6	ug/Kg	93			56	135	
	Bromomethane	20	20.1	ug/Kg	101			53	143	
	Chloroethane	20	19.2	ug/Kg	96			59	139	
	Tetrahydrofuran	100	86.2	ug/Kg	86			61	135	
	Trichlorofluoromethane	20	19.9	ug/Kg	100			62	140	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			66	136	
	1,1-Dichloroethene	20	19.3	ug/Kg	97			70	131	
	Acrylonitrile	100	89.2	ug/Kg	89			65	134	
	Acetone	100	85.6	ug/Kg	86			36	164	
	Carbon disulfide	20	18.7	ug/Kg	94			63	132	
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91			73	125	
	Methylene Chloride	20	19.0	ug/Kg	95			70	128	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			74	125	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			76	125	
	2-Butanone	100	86.8	ug/Kg	87			51	148	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70	135	
	2,2-Dichloropropane	20	20.0	ug/Kg	100			67	133	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			77	123	
	Chloroform	20	19.7	ug/Kg	99			78	123	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			73	130	
	1,1-Dichloropropene	20	20.2	ug/Kg	101			76	125	
	Benzene	20	19.8	ug/Kg	99			77	121	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			73	128	
	Trichloroethene	20	20.4	ug/Kg	102			77	123	
	1,2-Dichloropropane	20	19.9	ug/Kg	100			76	123	
	Dibromomethane	20	18.8	ug/Kg	94			78	125	
	Bromodichloromethane	20	19.7	ug/Kg	99			75	127	
	4-Methyl-2-Pentanone	100	88.7	ug/Kg	89			65	135	
	Toluene	20	20.0	ug/Kg	100			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	19.6	ug/Kg	98			78	121	
	1,3-Dichloropropane	20	18.9	ug/Kg	95			77	121	
	2-Hexanone	100	86.2	ug/Kg	86			53	145	
	Dibromochloromethane	20	19.3	ug/Kg	97			74	126	
	1,2-Dibromoethane	20	19.1	ug/Kg	96			78	122	
	Tetrachloroethene	20	21.4	ug/Kg	107			73	128	
	Chlorobenzene	20	19.7	ug/Kg	99			79	120	
	1,1,1,2-Tetrachloroethane	20	20.2	ug/Kg	101			78	125	
	Ethyl Benzene	20	19.6	ug/Kg	98			76	122	
	m/p-Xylenes	40	39.1	ug/Kg	98			77	124	
	o-Xylene	20	19.8	ug/Kg	99			77	123	
	Styrene	20	19.6	ug/Kg	98			76	124	
	Bromoform	20	18.9	ug/Kg	95			67	132	
	Isopropylbenzene	20	18.7	ug/Kg	94			68	134	
	1,1,2,2-Tetrachloroethane	20	17.1	ug/Kg	86			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY021778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0404SBS01	1,2,3-Trichloropropane	20	18.2	ug/Kg	91			73	125	
	Bromobenzene	20	19.0	ug/Kg	95			78	121	
	N-propylbenzene	20	19.5	ug/Kg	98			73	125	
	2-Chlorotoluene	20	19.2	ug/Kg	96			75	122	
	1,3,5-Trimethylbenzene	20	18.9	ug/Kg	95			73	124	
	4-Chlorotoluene	20	19.0	ug/Kg	95			72	124	
	tert-Butylbenzene	20	18.6	ug/Kg	93			73	125	
	1,2,4-Trimethylbenzene	20	19.2	ug/Kg	96			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	19.0	ug/Kg	95			77	121	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			75	120	
	n-Butylbenzene	20	19.1	ug/Kg	96			70	128	
	1,2-Dichlorobenzene	20	19.1	ug/Kg	96			78	121	
	1,2-Dibromo-3-Chloropropane	20	17.5	ug/Kg	88			61	132	
	1,2,4-Trichlorobenzene	20	17.9	ug/Kg	90			67	129	
	Hexachlorobutadiene	20	19.2	ug/Kg	96			61	135	
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89			66	130	
	trans-1,4-Dichloro-2-butene	20	16.3	ug/Kg	81			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY021779.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0404SBSD01	Dichlorodifluoromethane	20	18.3	ug/Kg	92	2		29	149	20
	Chloromethane	20	18.3	ug/Kg	92	4		50	136	20
	Vinyl chloride	20	18.2	ug/Kg	91	2		56	135	20
	Bromomethane	20	19.2	ug/Kg	96	5		53	143	20
	Chloroethane	20	18.5	ug/Kg	93	3		59	139	20
	Tetrahydrofuran	100	87.8	ug/Kg	88	2		61	135	20
	Trichlorofluoromethane	20	18.5	ug/Kg	93	7		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/Kg	96	7		66	136	20
	1,1-Dichloroethene	20	18.6	ug/Kg	93	4		70	131	20
	Acrylonitrile	100	90.1	ug/Kg	90	1		65	134	20
	Acetone	100	80.8	ug/Kg	81	6		36	164	20
	Carbon disulfide	20	17.8	ug/Kg	89	5		63	132	20
	Methyl tert-butyl Ether	20	17.7	ug/Kg	89	2		73	125	20
	Methylene Chloride	20	17.8	ug/Kg	89	7		70	128	20
	trans-1,2-Dichloroethene	20	18.4	ug/Kg	92	3		74	125	20
	1,1-Dichloroethane	20	18.7	ug/Kg	94	5		76	125	20
	2-Butanone	100	84.5	ug/Kg	85	2		51	148	20
	Carbon Tetrachloride	20	19.6	ug/Kg	98	4		70	135	20
	2,2-Dichloropropane	20	18.7	ug/Kg	94	6		67	133	20
	cis-1,2-Dichloroethene	20	18.5	ug/Kg	93	5		77	123	20
	Chloroform	20	18.6	ug/Kg	93	6		78	123	20
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96	3		73	130	20
	1,1-Dichloropropene	20	19.5	ug/Kg	98	3		76	125	20
	Benzene	20	19.1	ug/Kg	96	3		77	121	20
	1,2-Dichloroethane	20	19.1	ug/Kg	96	2		73	128	20
	Trichloroethene	20	19.4	ug/Kg	97	5		77	123	20
	1,2-Dichloropropane	20	19.4	ug/Kg	97	3		76	123	20
	Dibromomethane	20	18.8	ug/Kg	94	0		78	125	20
	Bromodichloromethane	20	19.4	ug/Kg	97	2		75	127	20
	4-Methyl-2-Pentanone	100	90.1	ug/Kg	90	1		65	135	20
	Toluene	20	19.0	ug/Kg	95	5		77	121	20
	t-1,3-Dichloropropene	20	18.8	ug/Kg	94	1		71	130	20
	cis-1,3-Dichloropropene	20	18.6	ug/Kg	93	4		74	126	20
	1,1,2-Trichloroethane	20	19.5	ug/Kg	98	0		78	121	20
	1,3-Dichloropropane	20	18.9	ug/Kg	95	0		77	121	20
	2-Hexanone	100	88.2	ug/Kg	88	2		53	145	20
	Dibromochloromethane	20	19.2	ug/Kg	96	1		74	126	20
	1,2-Dibromoethane	20	18.9	ug/Kg	95	1		78	122	20
	Tetrachloroethene	20	20.4	ug/Kg	102	5		73	128	20
	Chlorobenzene	20	19.2	ug/Kg	96	3		79	120	20
	1,1,1,2-Tetrachloroethane	20	19.3	ug/Kg	97	4		78	125	20
	Ethyl Benzene	20	19.0	ug/Kg	95	3		76	122	20
	m/p-Xylenes	40	38.5	ug/Kg	96	2		77	124	20
	o-Xylene	20	18.8	ug/Kg	94	5		77	123	20
	Styrene	20	19.1	ug/Kg	96	2		76	124	20
	Bromoform	20	19.7	ug/Kg	99	4		67	132	20
	Isopropylbenzene	20	18.7	ug/Kg	94	0		68	134	20
	1,1,2,2-Tetrachloroethane	20	17.9	ug/Kg	90	5		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY021779.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0404SBSD01	1,2,3-Trichloropropane	20	18.3	ug/Kg	92	1		73	125	20
	Bromobenzene	20	18.8	ug/Kg	94	1		78	121	20
	N-propylbenzene	20	19.1	ug/Kg	96	2		73	125	20
	2-Chlorotoluene	20	18.9	ug/Kg	95	1		75	122	20
	1,3,5-Trimethylbenzene	20	18.9	ug/Kg	95	0		73	124	20
	4-Chlorotoluene	20	19.0	ug/Kg	95	0		72	124	20
	tert-Butylbenzene	20	18.8	ug/Kg	94	1		73	125	20
	1,2,4-Trimethylbenzene	20	19.0	ug/Kg	95	1		75	123	20
	Sec-butylbenzene	20	19.3	ug/Kg	97	0		73	126	20
	p-Isopropyltoluene	20	19.2	ug/Kg	96	1		73	127	20
	1,3-Dichlorobenzene	20	19.1	ug/Kg	96	1		77	121	20
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95	0		75	120	20
	n-Butylbenzene	20	18.7	ug/Kg	94	2		70	128	20
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97	1		78	121	20
	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91	3		61	132	20
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92	2		67	129	20
	Hexachlorobutadiene	20	19.1	ug/Kg	96	0		61	135	20
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91	2		66	130	20
	trans-1,4-Dichloro-2-butene	20	17.9	ug/Kg	90	11		62	136	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY021796.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0407SBS01	Dichlorodifluoromethane	20	17.4	ug/Kg	87			29	149	
	Chloromethane	20	20.0	ug/Kg	100			50	136	
	Vinyl chloride	20	18.4	ug/Kg	92			56	135	
	Bromomethane	20	21.5	ug/Kg	108			53	143	
	Chloroethane	20	19.8	ug/Kg	99			59	139	
	Tetrahydrofuran	100	91.4	ug/Kg	91			61	135	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			62	140	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/Kg	94			66	136	
	1,1-Dichloroethene	20	18.2	ug/Kg	91			70	131	
	Acrylonitrile	100	96.8	ug/Kg	97			65	134	
	Acetone	100	73.8	ug/Kg	74			36	164	
	Carbon disulfide	20	17.6	ug/Kg	88			63	132	
	Methyl tert-butyl Ether	20	18.4	ug/Kg	92			73	125	
	Methylene Chloride	20	19.3	ug/Kg	97			70	128	
	trans-1,2-Dichloroethene	20	18.7	ug/Kg	94			74	125	
	1,1-Dichloroethane	20	19.1	ug/Kg	96			76	125	
	2-Butanone	100	85.5	ug/Kg	86			51	148	
	Carbon Tetrachloride	20	18.9	ug/Kg	95			70	135	
	2,2-Dichloropropane	20	17.8	ug/Kg	89			67	133	
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95			77	123	
	Chloroform	20	19.4	ug/Kg	97			78	123	
	1,1,1-Trichloroethane	20	18.7	ug/Kg	94			73	130	
	1,1-Dichloropropene	20	18.6	ug/Kg	93			76	125	
	Benzene	20	19.3	ug/Kg	97			77	121	
	1,2-Dichloroethane	20	19.3	ug/Kg	97			73	128	
	Trichloroethene	20	20.2	ug/Kg	101			77	123	
	1,2-Dichloropropane	20	19.5	ug/Kg	98			76	123	
	Dibromomethane	20	20.0	ug/Kg	100			78	125	
	Bromodichloromethane	20	19.6	ug/Kg	98			75	127	
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96			65	135	
	Toluene	20	19.5	ug/Kg	98			77	121	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			71	130	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			74	126	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			78	121	
	1,3-Dichloropropane	20	19.5	ug/Kg	98			77	121	
	2-Hexanone	100	93.2	ug/Kg	93			53	145	
	Dibromochloromethane	20	19.8	ug/Kg	99			74	126	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			78	122	
	Tetrachloroethene	20	21.2	ug/Kg	106			73	128	
	Chlorobenzene	20	19.0	ug/Kg	95			79	120	
	1,1,1,2-Tetrachloroethane	20	19.0	ug/Kg	95			78	125	
	Ethyl Benzene	20	18.2	ug/Kg	91			76	122	
	m/p-Xylenes	40	37.5	ug/Kg	94			77	124	
	o-Xylene	20	18.5	ug/Kg	93			77	123	
	Styrene	20	18.7	ug/Kg	94			76	124	
	Bromoform	20	19.5	ug/Kg	98			67	132	
	Isopropylbenzene	20	17.6	ug/Kg	88			68	134	
	1,1,2,2-Tetrachloroethane	20	16.5	ug/Kg	83			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY021796.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0407SBS01	1,2,3-Trichloropropane	20	17.2	ug/Kg	86			73	125	
	Bromobenzene	20	18.4	ug/Kg	92			78	121	
	N-propylbenzene	20	18.0	ug/Kg	90			73	125	
	2-Chlorotoluene	20	18.0	ug/Kg	90			75	122	
	1,3,5-Trimethylbenzene	20	18.1	ug/Kg	91			73	124	
	4-Chlorotoluene	20	18.1	ug/Kg	91			72	124	
	tert-Butylbenzene	20	17.9	ug/Kg	90			73	125	
	1,2,4-Trimethylbenzene	20	18.3	ug/Kg	92			75	123	
	Sec-butylbenzene	20	18.0	ug/Kg	90			73	126	
	p-Isopropyltoluene	20	18.2	ug/Kg	91			73	127	
	1,3-Dichlorobenzene	20	18.5	ug/Kg	93			77	121	
	1,4-Dichlorobenzene	20	18.8	ug/Kg	94			75	120	
	n-Butylbenzene	20	17.8	ug/Kg	89			70	128	
	1,2-Dichlorobenzene	20	19.0	ug/Kg	95			78	121	
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94			61	132	
	1,2,4-Trichlorobenzene	20	18.1	ug/Kg	91			67	129	
	Hexachlorobutadiene	20	18.8	ug/Kg	94			61	135	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			66	130	
	trans-1,4-Dichloro-2-butene	20	18.3	ug/Kg	92			62	136	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0404SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021777.D Lab Sample ID: VY0404SBL01

Date Analyzed: 04/04/2025 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
VY0404SBS01	VY0404SBS01	VY021778.D	04/04/2025
VY0404SBSD01	VY0404SBSD01	VY021779.D	04/04/2025
OU4-VSL-15-040325	Q1730-01	VY021781.D	04/04/2025
OU4-VSL-16-040325	Q1730-03	VY021782.D	04/04/2025
OU4-VSL-17-040325	Q1730-05	VY021783.D	04/04/2025
OU4-PCS-TC-21-040325	Q1730-07	VY021784.D	04/04/2025
OU4-PCS-TC-22-040325	Q1730-09	VY021785.D	04/04/2025
OU4-PCS-TC-23-040325	Q1730-11	VY021786.D	04/04/2025
OU4-PCS-TC-24-040325	Q1730-13	VY021787.D	04/04/2025
OU4-PCS-TC-25-040325	Q1730-15	VY021788.D	04/04/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0407SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021795.D Lab Sample ID: VY0407SBL01

Date Analyzed: 04/07/2025 Time Analyzed: 13:35

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
VY0407SBS01	VY0407SBS01	VY021796.D	04/07/2025
OU4-PCS-TC-26-040325	Q1730-17	VY021798.D	04/07/2025
OU4-CF-15-040325	Q1730-19	VY021799.D	04/07/2025

COMMENTS:

Alliance TECHNICAL GROUP
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021655.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:23

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	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 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
VSTDICC005	VSTDICC005	VY021656.D	03/27/2025	10:08
VSTDICC010	VSTDICC010	VY021657.D	03/27/2025	10:31
VSTDICC020	VSTDICC020	VY021658.D	03/27/2025	10:54
VSTDICCC050	VSTDICCC050	VY021659.D	03/27/2025	11:16
VSTDICC100	VSTDICC100	VY021660.D	03/27/2025	11:39
VSTDICC150	VSTDICC150	VY021661.D	03/27/2025	12:02

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021775.D BFB Injection Date: 04/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	52.3
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	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	80.2
175	5.0 - 9.0% of mass 174	6.3 (7.8) 1
176	95.0 - 101.0% of mass 174	77.1 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VY021776.D	04/04/2025	09:22
VY0404SBL01	VY0404SBL01	VY021777.D	04/04/2025	09:57
VY0404SBS01	VY0404SBS01	VY021778.D	04/04/2025	10:26
VY0404SBSD01	VY0404SBSD01	VY021779.D	04/04/2025	10:49
OU4-VSL-15-040325	Q1730-01	VY021781.D	04/04/2025	13:27
OU4-VSL-16-040325	Q1730-03	VY021782.D	04/04/2025	13:50
OU4-VSL-17-040325	Q1730-05	VY021783.D	04/04/2025	14:13
OU4-PCS-TC-21-040325	Q1730-07	VY021784.D	04/04/2025	14:37
OU4-PCS-TC-22-040325	Q1730-09	VY021785.D	04/04/2025	15:00
OU4-PCS-TC-23-040325	Q1730-11	VY021786.D	04/04/2025	15:24
OU4-PCS-TC-24-040325	Q1730-13	VY021787.D	04/04/2025	15:47
OU4-PCS-TC-25-040325	Q1730-15	VY021788.D	04/04/2025	16:11
VSTDCCC050EC	VSTDCCC050	VY021792.D	04/04/2025	17:44

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021793.D BFB Injection Date: 04/07/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:38

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	19.2
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.8 (7.9) 1
176	95.0 - 101.0% of mass 174	82.9 (97.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021794.D	04/07/2025	09:10
VY0407SBL01	VY0407SBL01	VY021795.D	04/07/2025	13:35
VY0407SBS01	VY0407SBS01	VY021796.D	04/07/2025	14:07
OU4-PCS-TC-26-040325	Q1730-17	VY021798.D	04/07/2025	15:10
OU4-CF-15-040325	Q1730-19	VY021799.D	04/07/2025	15:32
VSTDCCC050EC	VSTDCCC050	VY021804.D	04/07/2025	17:29

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021776.D Date Analyzed: 04/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:22

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	228718	7.71	342799	8.62	308777	11.42
UPPER LIMIT	457436	8.207	685598	9.116	617554	11.92
LOWER LIMIT	114359	7.207	171400	8.116	154389	10.92
EPA SAMPLE NO.						
OU4-VSL-15-040325	343368	7.71	647395	8.62	573735	11.42
OU4-VSL-16-040325	302989	7.71	591384	8.62	546276	11.41
OU4-VSL-17-040325	345582	7.71	659294	8.62	587921	11.41
OU4-PCS-TC-21-040325	300002	7.71	589442	8.62	558862	11.41
OU4-PCS-TC-22-040325	302418	7.71	596930	8.62	561519	11.41
OU4-PCS-TC-23-040325	341604	7.71	662745	8.62	606680	11.41
OU4-PCS-TC-24-040325	311584	7.71	616656	8.62	588608	11.41
OU4-PCS-TC-25-040325	320565	7.71	630114	8.62	590211	11.41
VY0404SBL01	292871	7.71	557825	8.62	508122	11.42
VY0404SBS01	212143	7.71	333501	8.62	293102	11.41
VY0404SBSD01	222129	7.71	342162	8.62	299516	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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021776.D Date Analyzed: 04/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:22

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

	IS4 AREA #	RT #				
12 HOUR STD	160179	13.347				
UPPER LIMIT	320358	13.847				
LOWER LIMIT	80089.5	12.847				
EPA SAMPLE NO.						
OU4-VSL-15-040325	228826	13.35				
OU4-VSL-16-040325	230456	13.35				
OU4-VSL-17-040325	238203	13.35				
OU4-PCS-TC-21-040325	236951	13.35				
OU4-PCS-TC-22-040325	235341	13.35				
OU4-PCS-TC-23-040325	250886	13.35				
OU4-PCS-TC-24-040325	247734	13.35				
OU4-PCS-TC-25-040325	247639	13.35				
VY0404SBL01	199436	13.35				
VY0404SBS01	152811	13.35				
VY0404SBSD01	151992	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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021794.D Date Analyzed: 04/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:10

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	224832	7.71	336981	8.62	298811	11.42
UPPER LIMIT	449664	8.207	673962	9.116	597622	11.92
LOWER LIMIT	112416	7.207	168491	8.116	149406	10.92
EPA SAMPLE NO.						
OU4-PCS-TC-26-040325	178880	7.71	307549	8.62	258255	11.42
OU4-CF-15-040325	155604	7.71	277750	8.62	243254	11.42
VY0407SBL01	188077	7.71	313333	8.62	265951	11.42
VY0407SBS01	202553	7.71	317911	8.62	287816	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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: VY021794.D Date Analyzed: 04/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:10

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

	IS4 AREA #	RT #				
12 HOUR STD	153287	13.346				
UPPER LIMIT	306574	13.846				
LOWER LIMIT	76643.5	12.846				
EPA SAMPLE NO.						
OU4-PCS-TC-26-040325	113263	13.35				
OU4-CF-15-040325	107208	13.35				
VY0407SBL01	117542	13.35				
VY0407SBS01	149046	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

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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	5.21 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
VY021781.D	1		04/04/25 13:27	VY040425

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	0.00078	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	0.0012	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0046	0.012	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	0.0010	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.00099	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0049	0.012	0.025	mg/Kg
67-64-1	Acetone	0.016	J	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0010	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00072	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0079	U	0.0035	0.0079	0.0099	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00085	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00079	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	0.00096	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	0.00074	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00083	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00090	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0035	0.012	0.025	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	5.21 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
VY021781.D	1		04/04/25 13:27	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00061	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0037	0.012	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00090	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00076	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.0099	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	0.00081	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00070	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00085	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00077	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	0.00072	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00081	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	0.00066	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00063	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00061	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	0.0015	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	5.21 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
VY021781.D	1		04/04/25 13:27	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0014	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0014	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	0.0029	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	0.0031	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		78 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	49.0		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		79 - 119		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	343000	7.707				
540-36-3	1,4-Difluorobenzene	647000	8.616				
3114-55-4	Chlorobenzene-d5	574000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	229000	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\VY040425\
Data File : VY021781.D
Acq On : 04 Apr 2025 13:27
Operator : SY/MD
Sample : Q1730-01
Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Quant Time: Apr 04 23:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

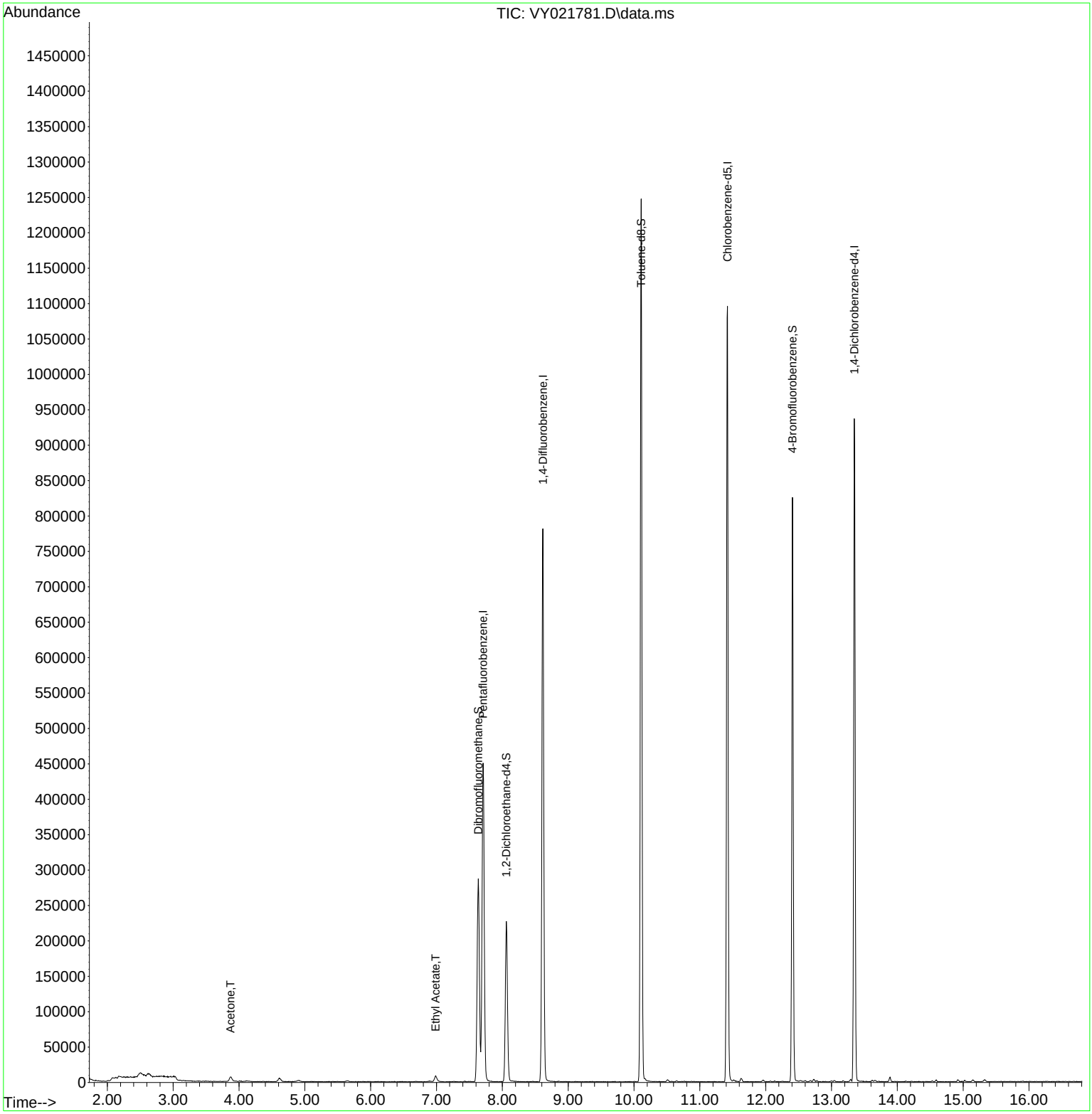
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	343368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	647395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	573735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	228826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	179805	48.331	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.660%			
35) Dibromofluoromethane	7.634	113	200979	47.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.720%			
50) Toluene-d8	10.109	98	782529	48.981	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.960%			
62) 4-Bromofluorobenzene	12.408	95	240375	44.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.960%			
Target Compounds						Qvalue
16) Acetone	3.872	43	12606	16.556	ug/l	99
37) Ethyl Acetate	6.988	43	13216	4.378	ug/l	99

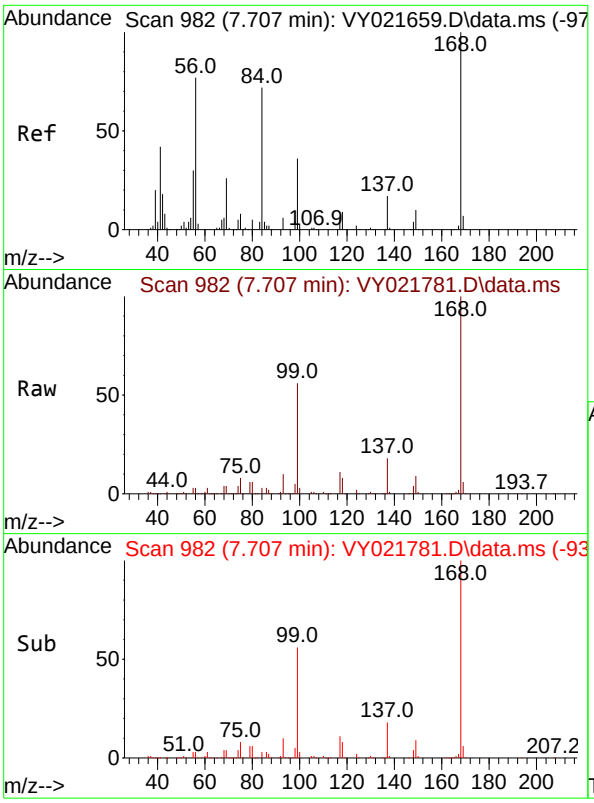
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021781.D
Acq On : 04 Apr 2025 13:27
Operator : SY/MD
Sample : Q1730-01
Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Quant Time: Apr 04 23:39:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



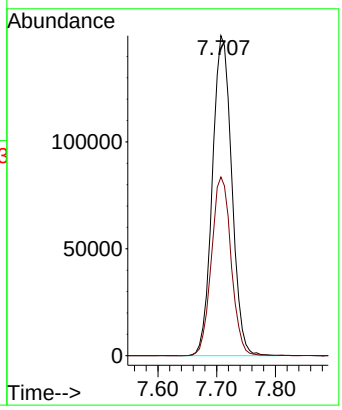


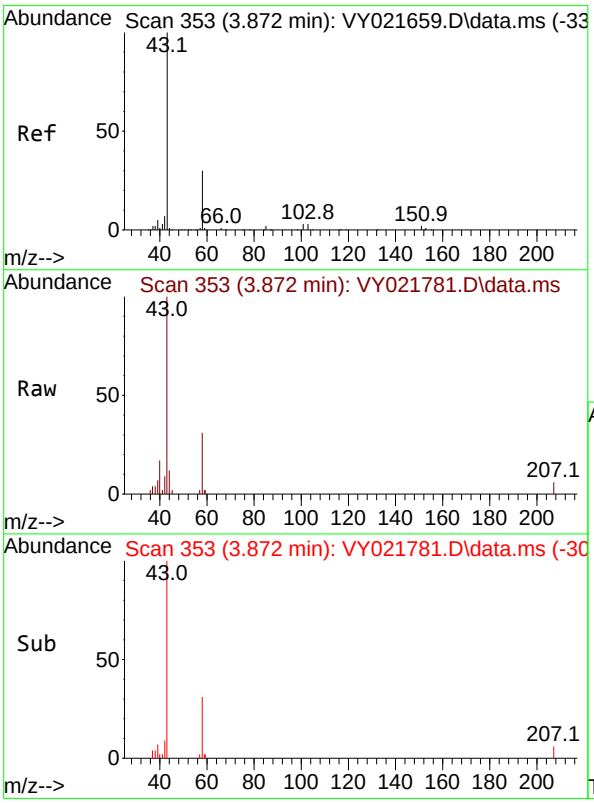
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Tgt Ion:168 Resp: 343368

Ion	Ratio	Lower	Upper
168	100		
99	55.8	46.7	70.1

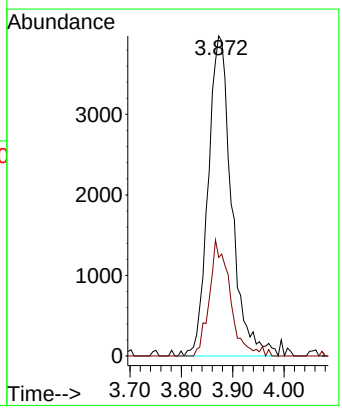


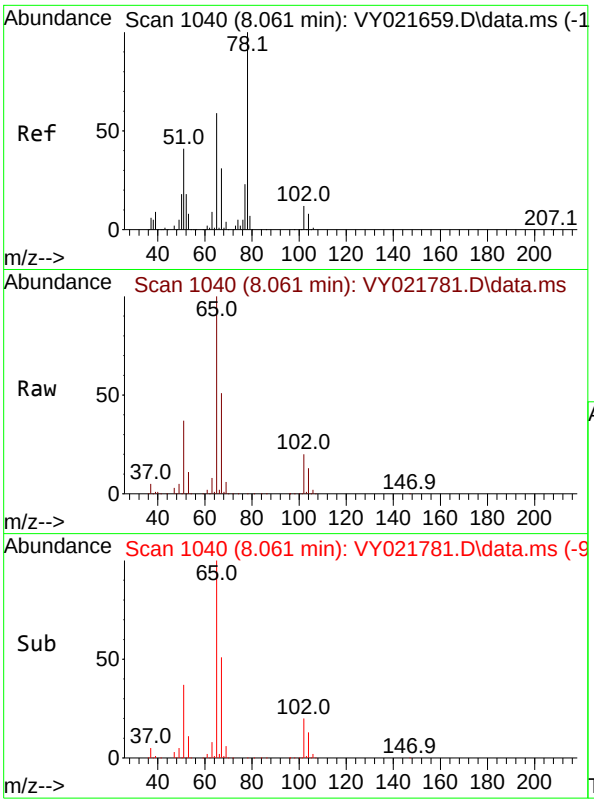


#16
Acetone
Concen: 16.556 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion: 43 Resp: 12606

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.2	36.4



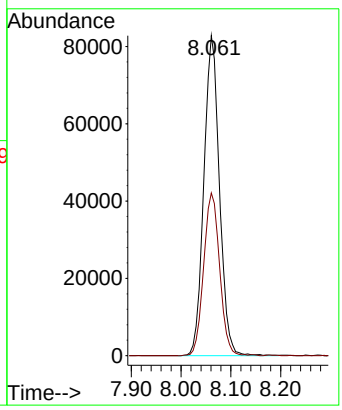


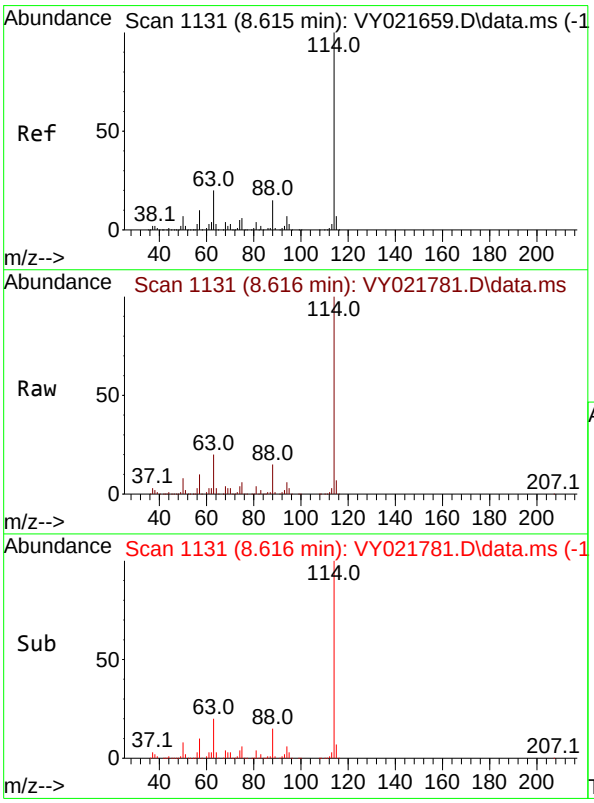
#33
1,2-Dichloroethane-d4
Concen: 48.331 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Tgt Ion: 65 Resp: 179805

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6

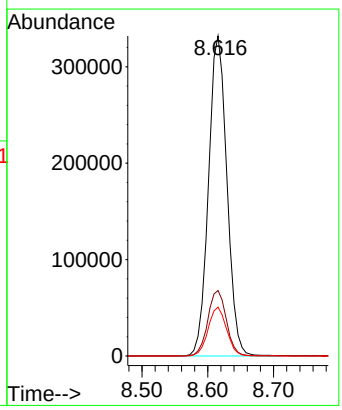


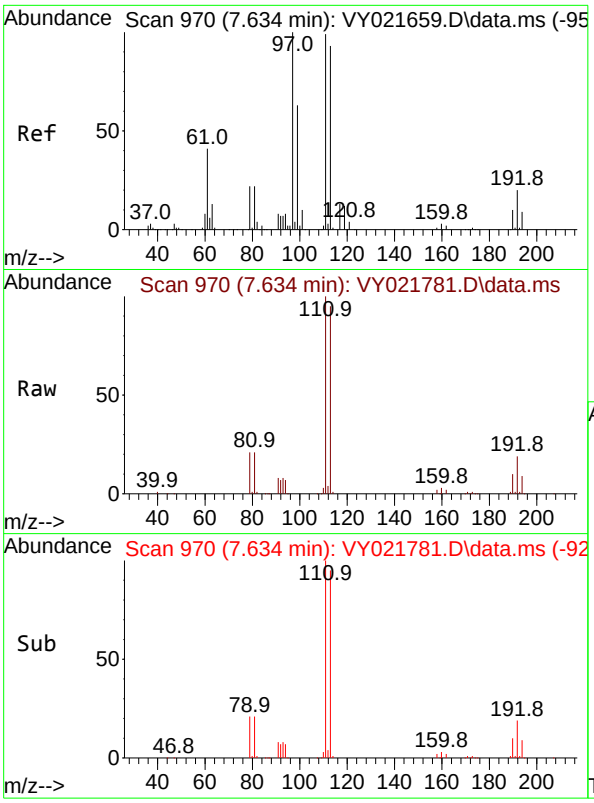


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion:114 Resp: 647395

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	15.3	0.0	29.8



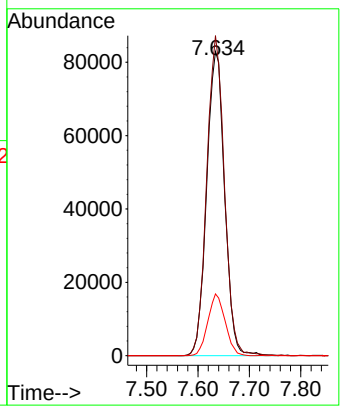


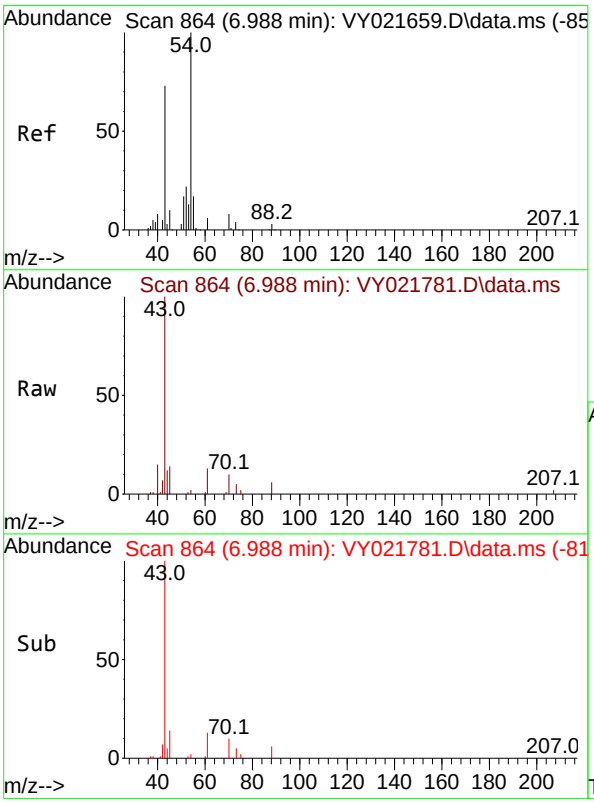
#35
Dibromofluoromethane
Concen: 47.857 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Tgt Ion:113 Resp: 200979

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.6	16.2	24.4

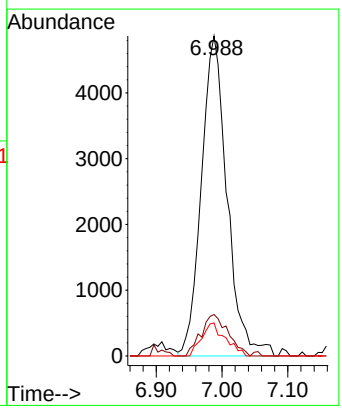


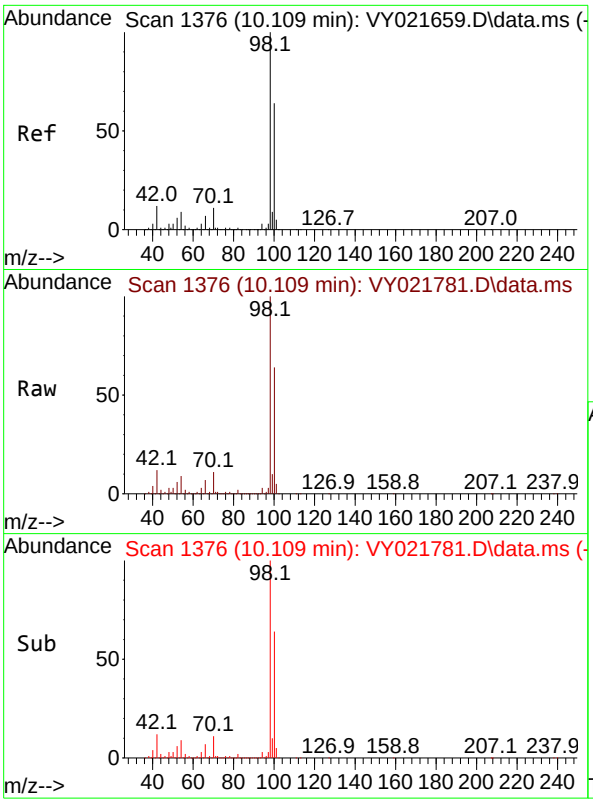


#37
Ethyl Acetate
Concen: 4.378 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion: 43 Resp: 13216

Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.6
70	9.5	8.1	12.1



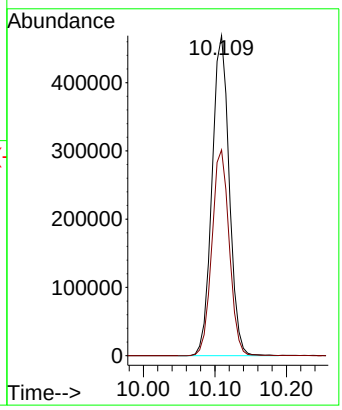


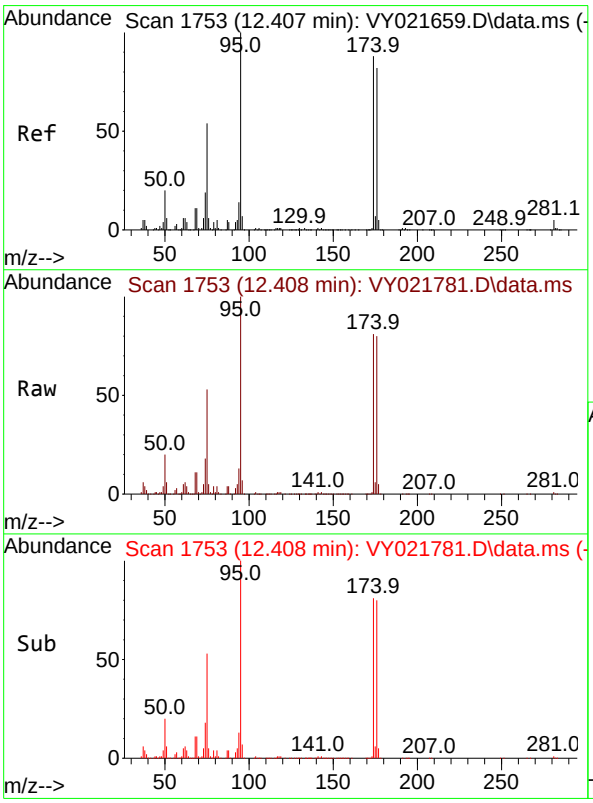
#50
Toluene-d8
Concen: 48.981 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Tgt Ion: 98 Resp: 782529

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

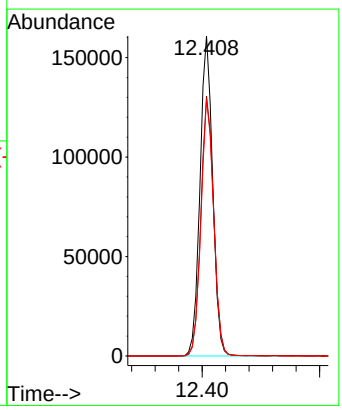


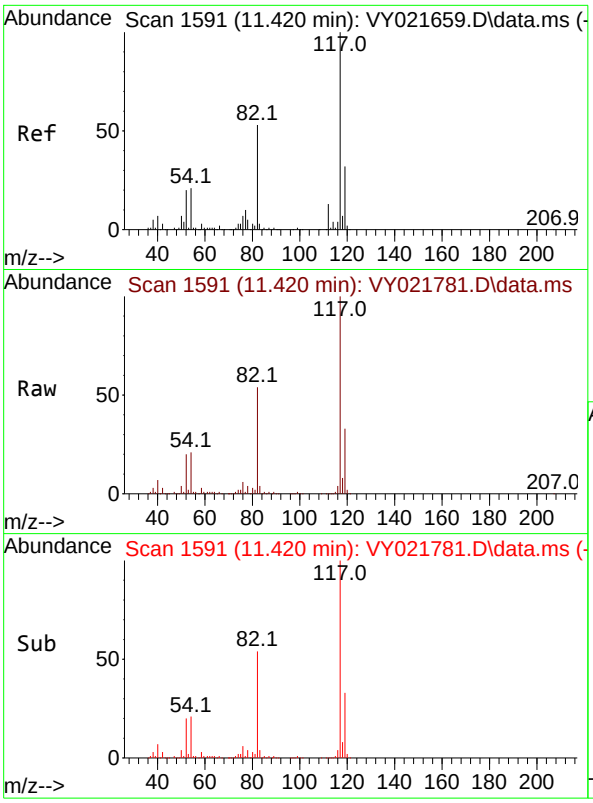


#62
4-Bromofluorobenzene
Concen: 44.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion: 95 Resp: 240375

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	170.8
176	80.2	0.0	162.0



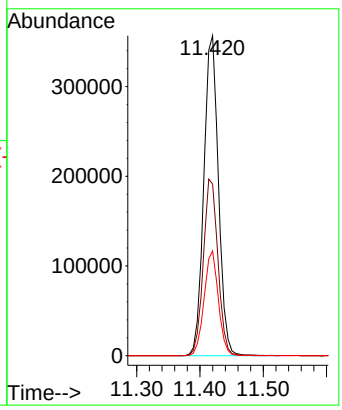


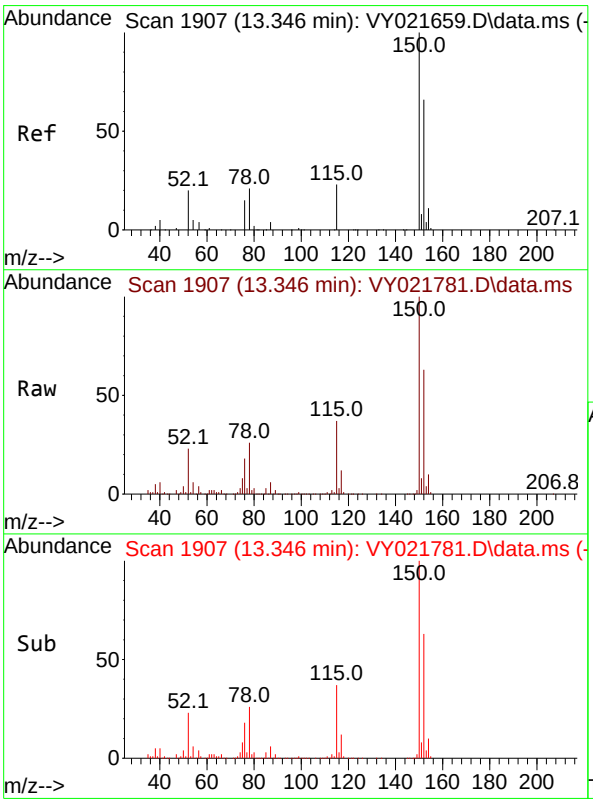
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

Tgt Ion:117 Resp: 573735

Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.8	64.2
119	32.8	25.7	38.5

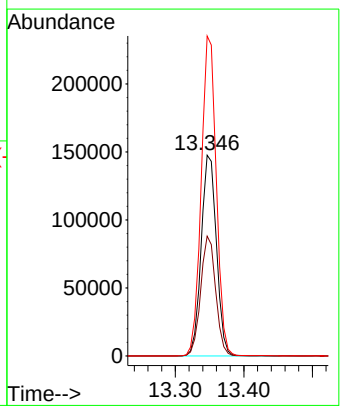




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion:152 Resp: 228826

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.8	86.5
150	157.6	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	5.22 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
VY021782.D	1		04/04/25 13:50	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
74-83-9	Bromomethane	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0051	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0051	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.014	J	0.0048	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
75-09-2	Methylene Chloride	0.0081	U	0.0036	0.0081	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00087	0.0025	0.0051	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00081	0.0025	0.0051	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0066	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00098	0.0025	0.0051	mg/Kg
594-20-7	2,2-Dichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00076	0.0025	0.0051	mg/Kg
67-66-3	Chloroform	0.0041	U	0.00085	0.0041	0.0051	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00094	0.0025	0.0051	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00088	0.0025	0.0051	mg/Kg
71-43-2	Benzene	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00082	0.0025	0.0051	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00092	0.0025	0.0051	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00090	0.0025	0.0051	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	5.22 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
VY021782.D	1		04/04/25 13:50	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00066	0.0025	0.0051	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00093	0.0025	0.0051	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00069	0.0025	0.0051	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	0.00088	0.0025	0.0051	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00089	0.0025	0.0051	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00092	0.0025	0.0051	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00078	0.0025	0.0051	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
179601-23-1	m/p-Xylenes	0.0051	U	0.0013	0.0051	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0076	U	0.0021	0.0076	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
100-42-5	Styrene	0.0025	U	0.00072	0.0025	0.0051	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00087	0.0025	0.0051	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00069	0.0025	0.0051	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00065	0.0025	0.0051	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0051	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0051	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0051	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	5.22 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
VY021782.D	1		04/04/25 13:50	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0041	U	0.0019	0.0041	0.0051	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0041	U	0.0030	0.0041	0.0051	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0051	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0041	U	0.0032	0.0041	0.0051	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.7		71 - 136		115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	303000	7.713				
540-36-3	1,4-Difluorobenzene	591000	8.616				
3114-55-4	Chlorobenzene-d5	546000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	230000	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\VY040425\
Data File : VY021782.D
Acq On : 04 Apr 2025 13:50
Operator : SY/MD
Sample : Q1730-03
Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Quant Time: Apr 04 23:39:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

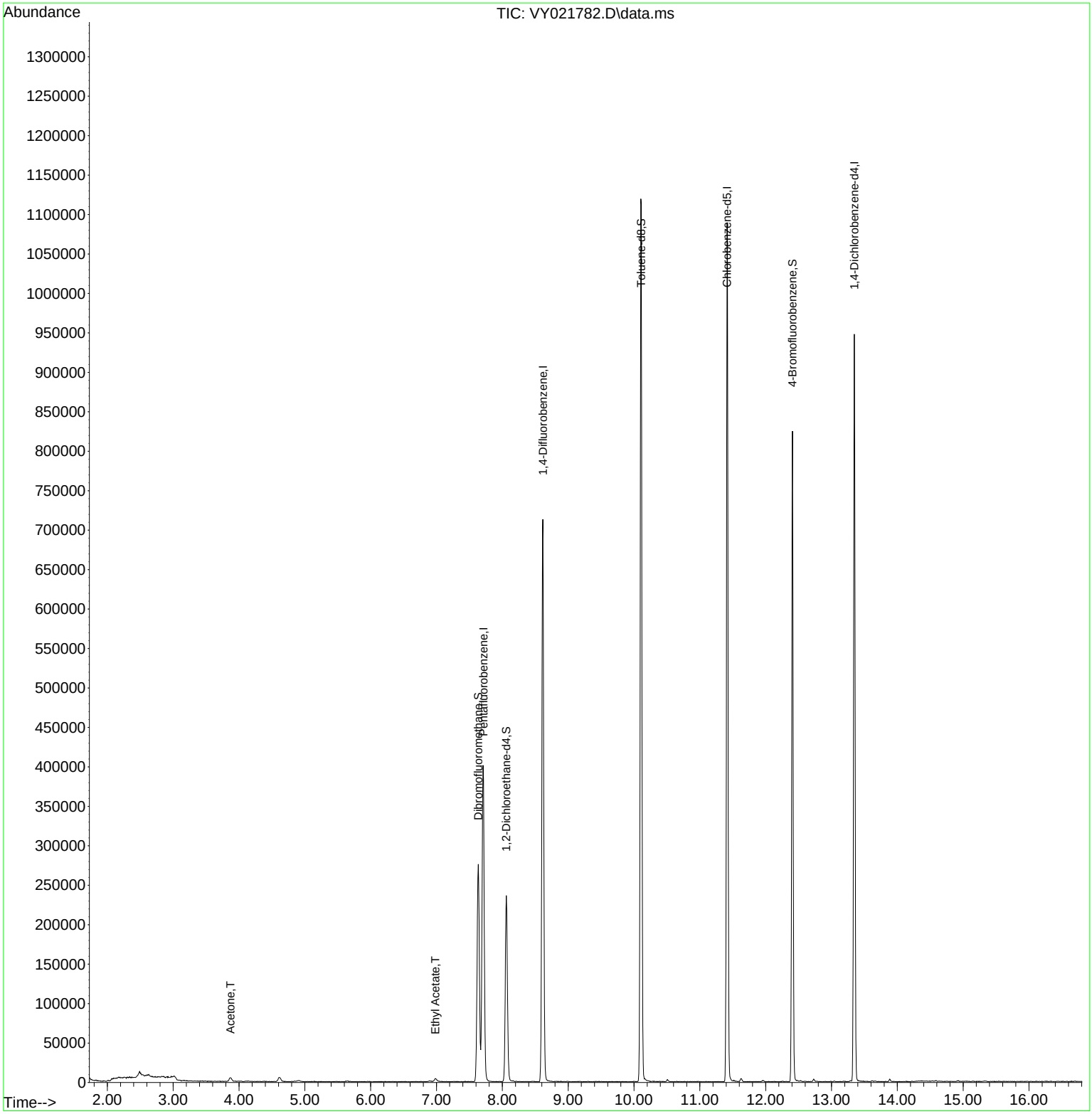
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	302989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	591384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	546276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	230456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	189545	57.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.480%			
35) Dibromofluoromethane	7.634	113	194103	50.598	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.109	98	722172	49.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.408	95	236153	47.839	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.680%			
Target Compounds						Qvalue
16) Acetone	3.873	43	9058	13.482	ug/l	97
37) Ethyl Acetate	6.982	43	6270	2.274	ug/l	99

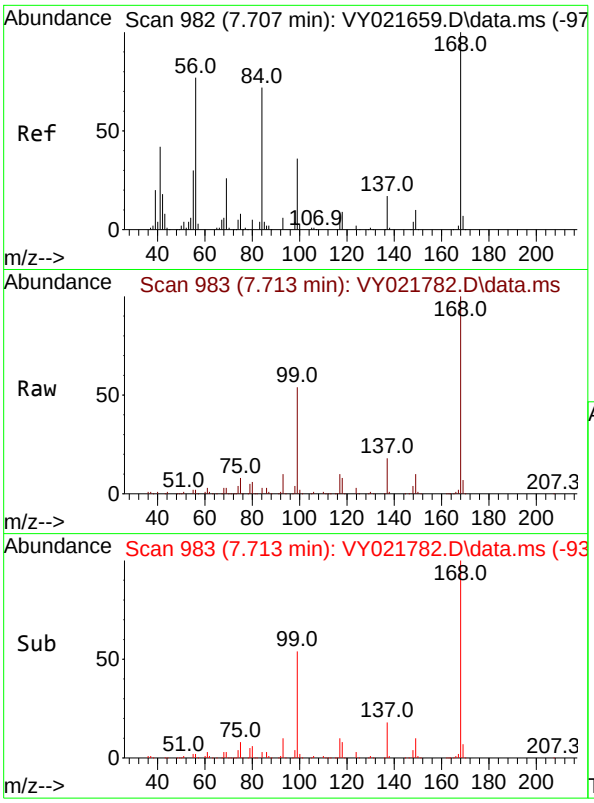
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021782.D
Acq On : 04 Apr 2025 13:50
Operator : SY/MD
Sample : Q1730-03
Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Quant Time: Apr 04 23:39:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



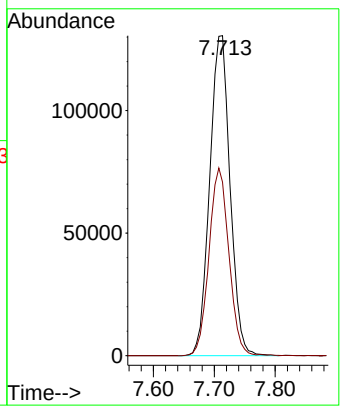


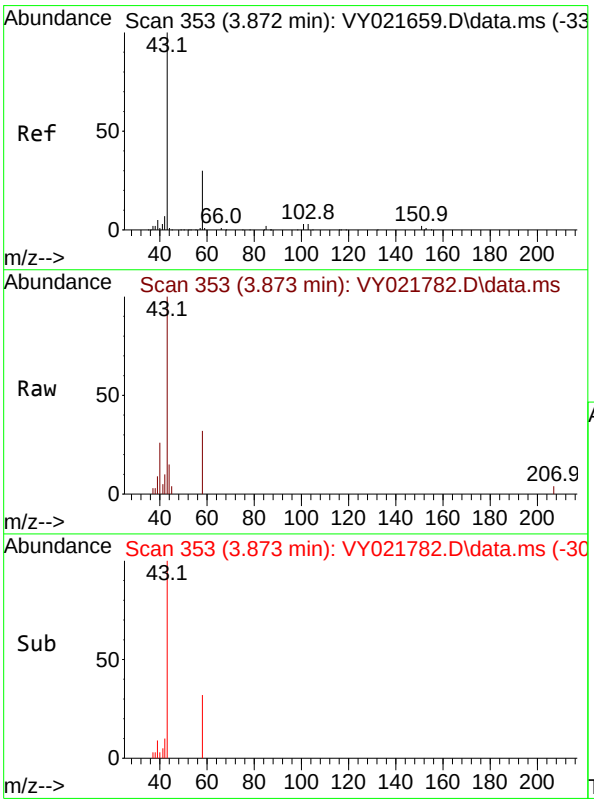
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Tgt Ion:168 Resp: 302989

Ion	Ratio	Lower	Upper
168	100		
99	54.3	46.7	70.1

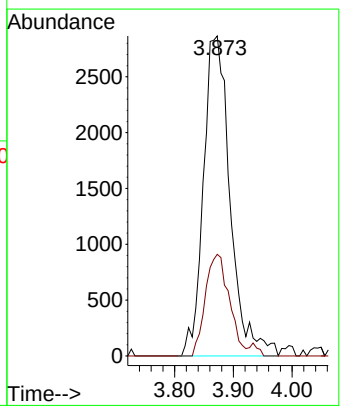


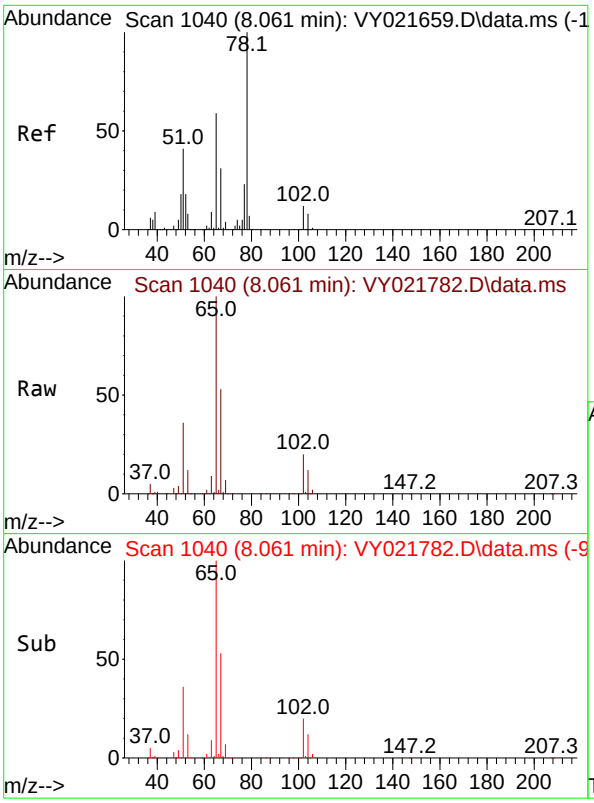


#16
Acetone
Concen: 13.482 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 43 Resp: 9058

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.2	36.4



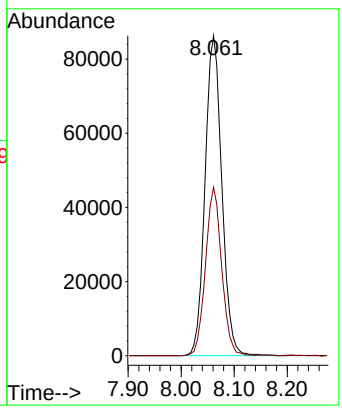


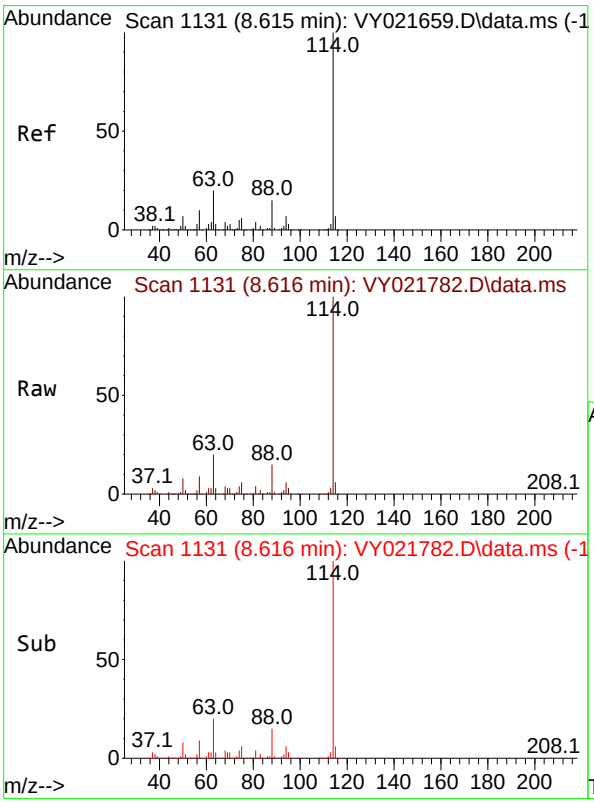
#33
1,2-Dichloroethane-d4
Concen: 57.739 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Tgt Ion: 65 Resp: 189545

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.6

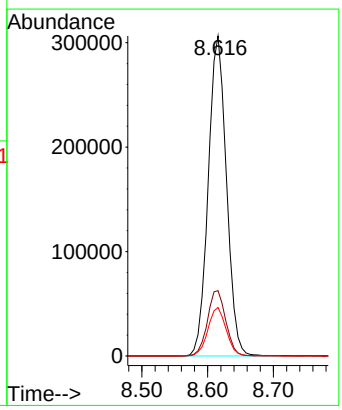


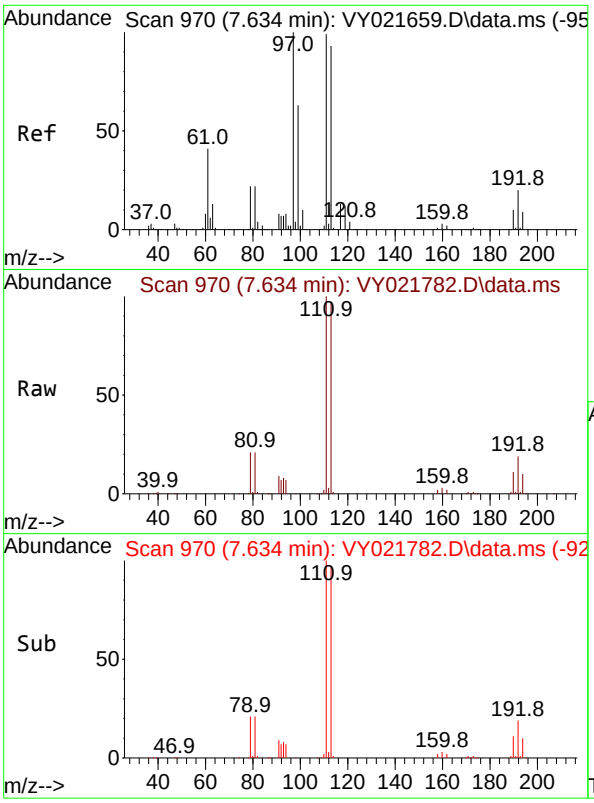


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion:114 Resp: 591384

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	15.1	0.0	29.8



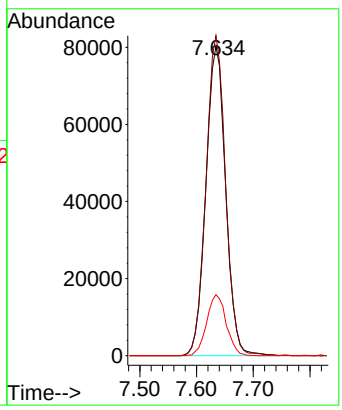


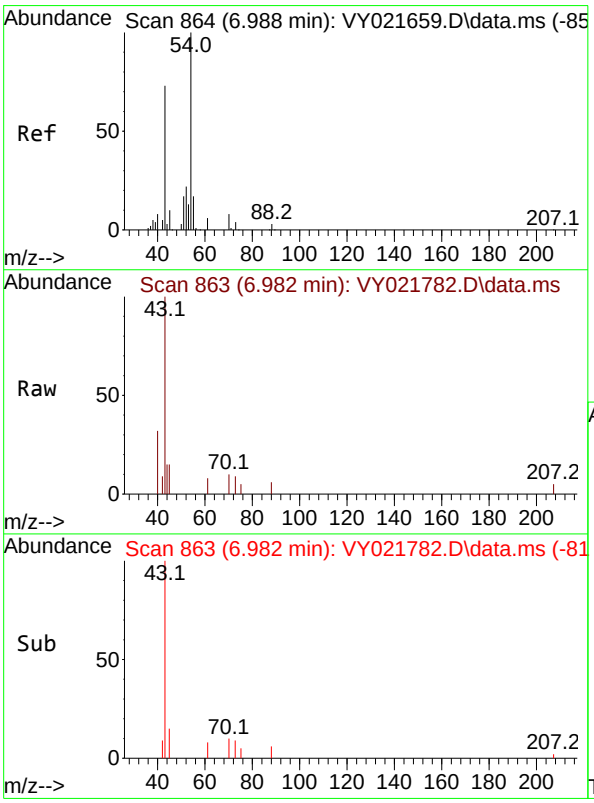
#35
Dibromofluoromethane
Concen: 50.598 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Tgt Ion:113 Resp: 194103

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	19.5	16.2	24.4

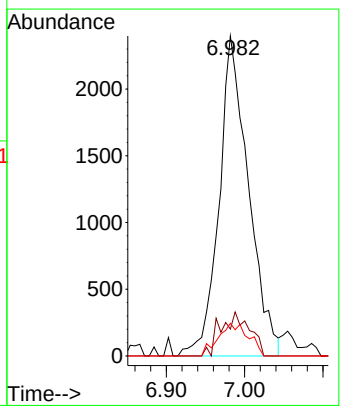


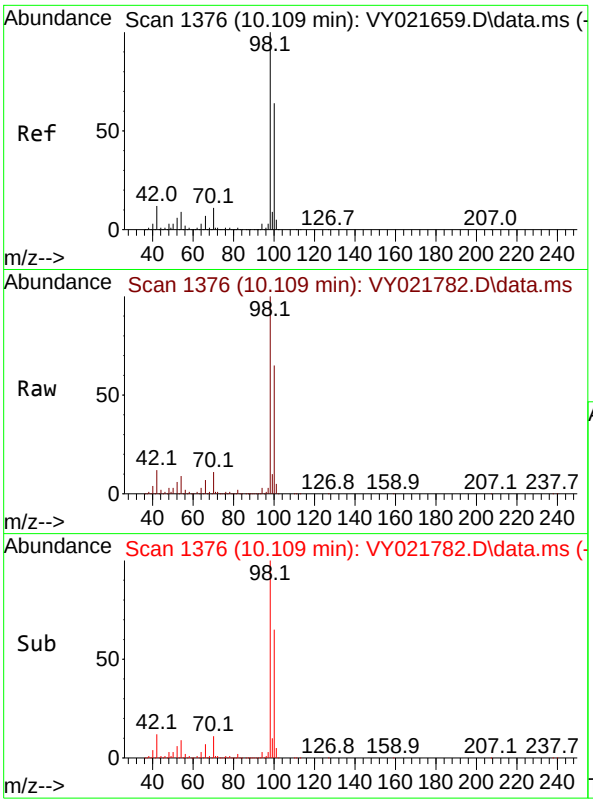


#37
Ethyl Acetate
Concen: 2.274 ug/l
RT: 6.982 min Scan# 863
Delta R.T. -0.006 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 43 Resp: 6270

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	10.4	8.1	12.1



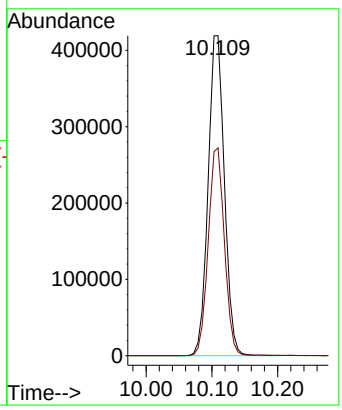


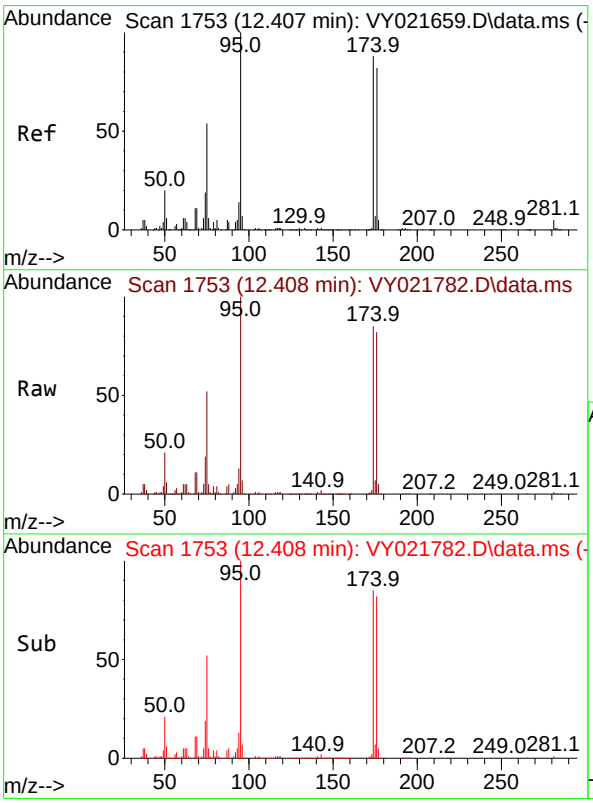
#50
Toluene-d8
Concen: 49.484 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Tgt Ion: 98 Resp: 722172

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

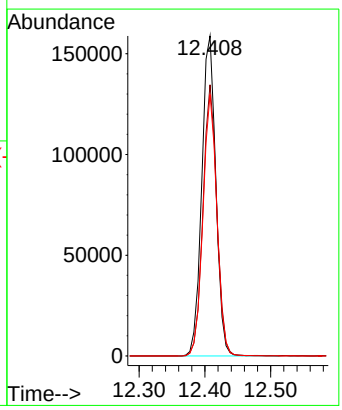


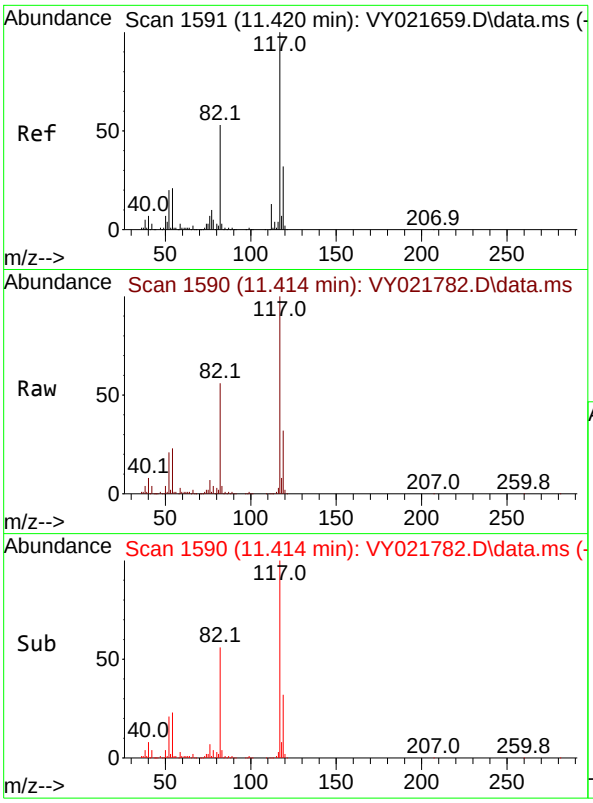


#62
4-Bromofluorobenzene
Concen: 47.839 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion: 95 Resp: 236153

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	170.8
176	81.0	0.0	162.0



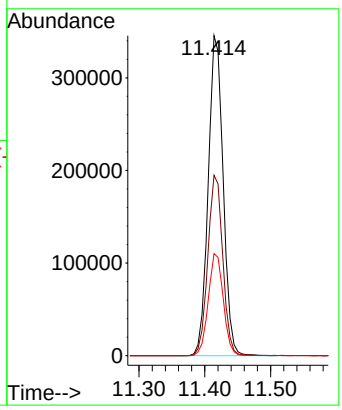


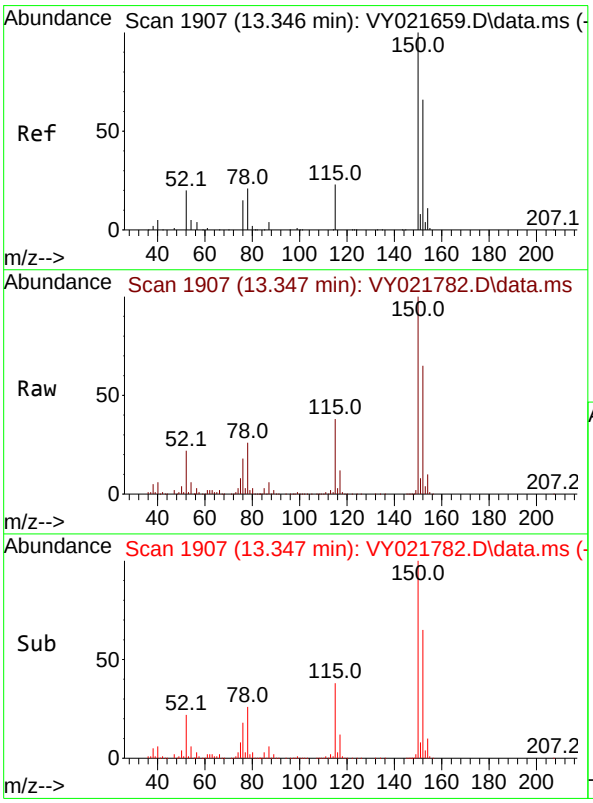
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-16-040325

Tgt Ion:117 Resp: 546276

Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.8	64.2
119	31.9	25.7	38.5

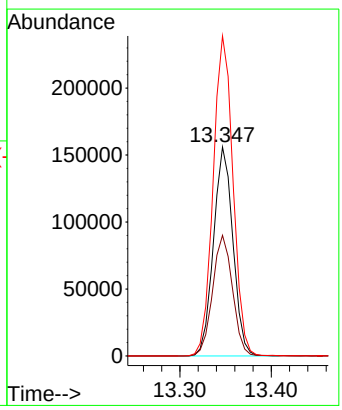




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021782.D
Acq: 04 Apr 2025 13:50

Tgt Ion:152 Resp: 230456

Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.8	86.5
150	156.6	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-17-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.7 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
VY021783.D	1		04/04/25 14:13	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0038	U	0.0011	0.0038	0.0047	mg/Kg
74-87-3	Chloromethane	0.0024	U	0.0011	0.0024	0.0047	mg/Kg
75-01-4	Vinyl Chloride	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
74-83-9	Bromomethane	0.0038	U	0.0010	0.0038	0.0047	mg/Kg
75-00-3	Chloroethane	0.0024	U	0.0012	0.0024	0.0047	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0044	0.012	0.024	mg/Kg
75-69-4	Trichlorofluoromethane	0.0038	U	0.0011	0.0038	0.0047	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00095	0.0024	0.0047	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0047	0.012	0.024	mg/Kg
67-64-1	Acetone	0.024		0.0045	0.019	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0038	U	0.0010	0.0038	0.0047	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00069	0.0024	0.0047	mg/Kg
75-09-2	Methylene Chloride	0.0076	U	0.0034	0.0076	0.0095	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00082	0.0024	0.0047	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00076	0.0024	0.0047	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0062	0.019	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00092	0.0024	0.0047	mg/Kg
594-20-7	2,2-Dichloropropane	0.0038	U	0.0012	0.0038	0.0047	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00071	0.0024	0.0047	mg/Kg
67-66-3	Chloroform	0.0038	U	0.00080	0.0038	0.0047	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00088	0.0024	0.0047	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00083	0.0024	0.0047	mg/Kg
71-43-2	Benzene	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00075	0.0024	0.0047	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00077	0.0024	0.0047	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00086	0.0024	0.0047	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00084	0.0024	0.0047	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0034	0.012	0.024	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-17-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.7 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
VY021783.D	1		04/04/25 14:13	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00062	0.0024	0.0047	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00059	0.0024	0.0047	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00087	0.0024	0.0047	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00065	0.0024	0.0047	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0035	0.012	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0024	U	0.00083	0.0024	0.0047	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00084	0.0024	0.0047	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00086	0.0024	0.0047	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00073	0.0024	0.0047	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
179601-23-1	m/p-Xylenes	0.0047	U	0.0012	0.0047	0.0095	mg/Kg
1330-20-7	Total Xylenes	0.0071	U	0.0020	0.0071	0.014	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00078	0.0024	0.0047	mg/Kg
100-42-5	Styrene	0.0024	U	0.00067	0.0024	0.0047	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00082	0.0024	0.0047	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00074	0.0024	0.0047	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0011	0.0024	0.0047	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0038	U	0.0012	0.0038	0.0047	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.0011	0.0024	0.0047	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00069	0.0024	0.0047	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00065	0.0024	0.0047	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00078	0.0024	0.0047	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.0012	0.0024	0.0047	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00064	0.0024	0.0047	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.00061	0.0024	0.0047	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00063	0.0024	0.0047	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00059	0.0024	0.0047	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.0016	0.0024	0.0047	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.0015	0.0024	0.0047	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-17-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.7 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
VY021783.D	1		04/04/25 14:13	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.0014	0.0024	0.0047	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.0014	0.0024	0.0047	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0038	U	0.0017	0.0038	0.0047	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0038	U	0.0028	0.0038	0.0047	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.0018	0.0024	0.0047	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0038	U	0.0030	0.0038	0.0047	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.0010	0.0024	0.0047	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.2		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		79 - 119		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	346000	7.707				
540-36-3	1,4-Difluorobenzene	659000	8.616				
3114-55-4	Chlorobenzene-d5	588000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	238000	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\VY040425\
Data File : VY021783.D
Acq On : 04 Apr 2025 14:13
Operator : SY/MD
Sample : Q1730-05
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Quant Time: Apr 04 23:39:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

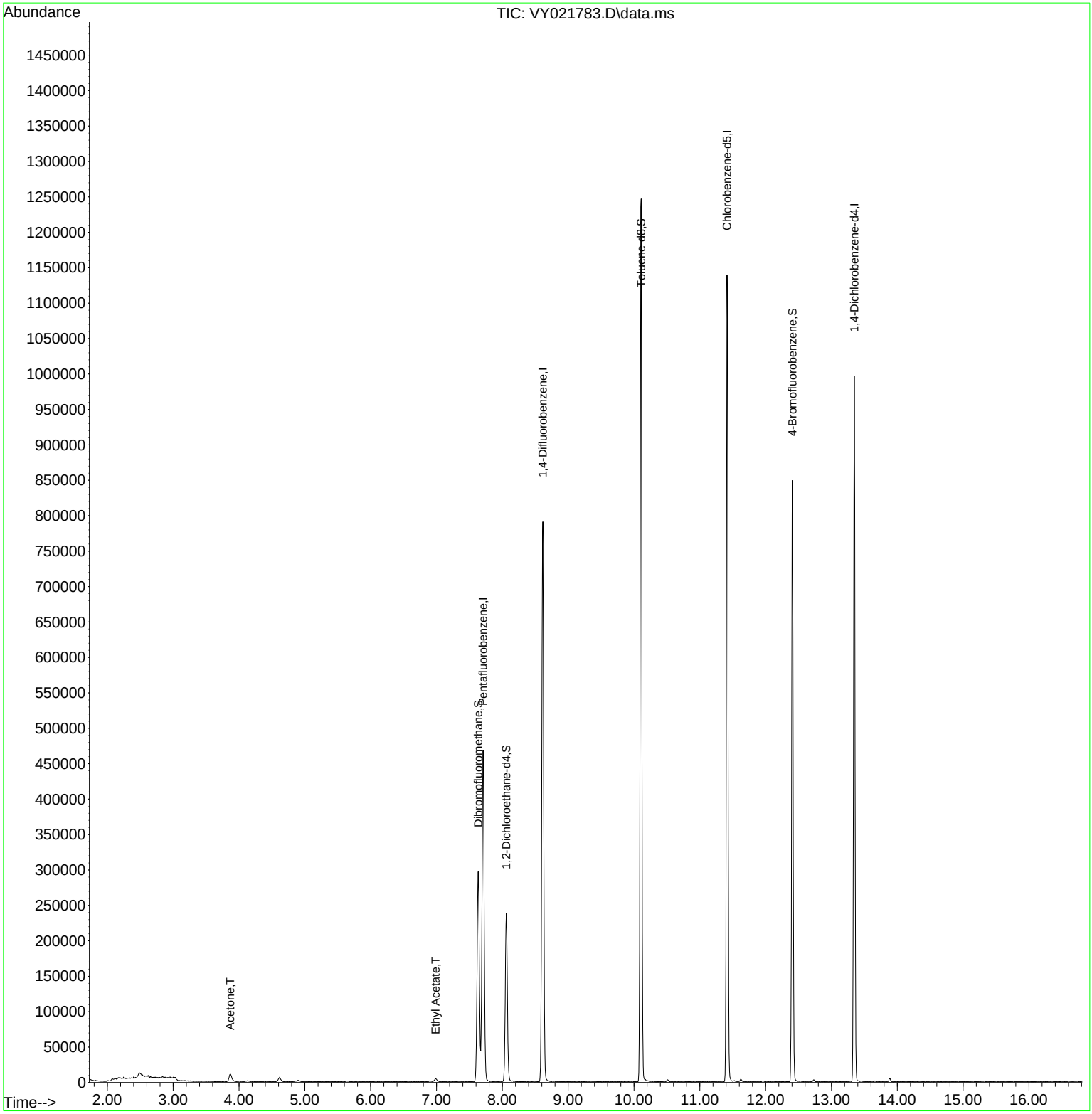
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	345582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	659294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	587921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	238203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187709	50.132	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.260%			
35) Dibromofluoromethane	7.634	113	207764	48.580	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.160%			
50) Toluene-d8	10.109	98	800849	49.223	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.440%			
62) 4-Bromofluorobenzene	12.408	95	249093	45.263	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.520%			
Target Compounds						Qvalue
16) Acetone	3.866	43	19586	25.559	ug/l	100
37) Ethyl Acetate	6.988	43	6886	2.240	ug/l	96

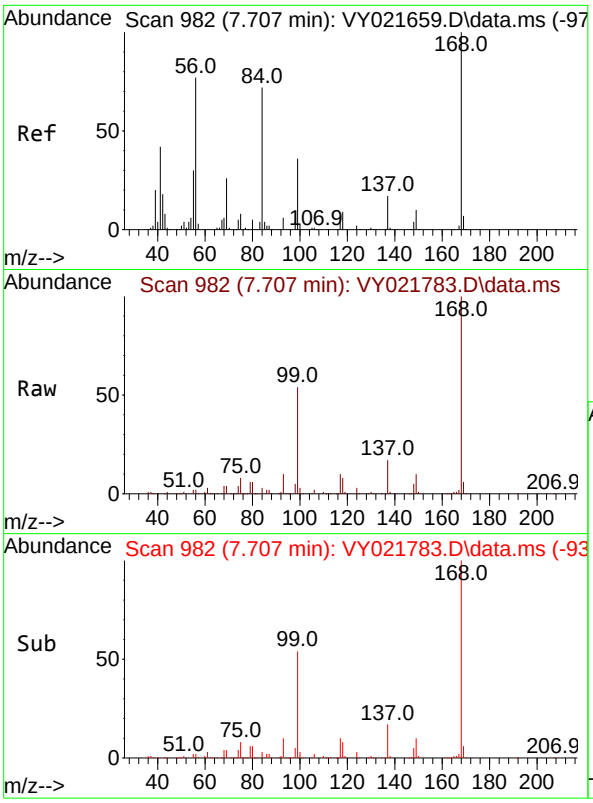
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021783.D
Acq On : 04 Apr 2025 14:13
Operator : SY/MD
Sample : Q1730-05
Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Quant Time: Apr 04 23:39:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



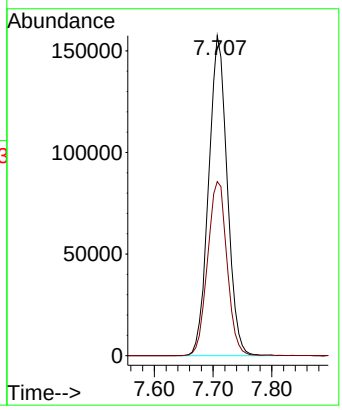


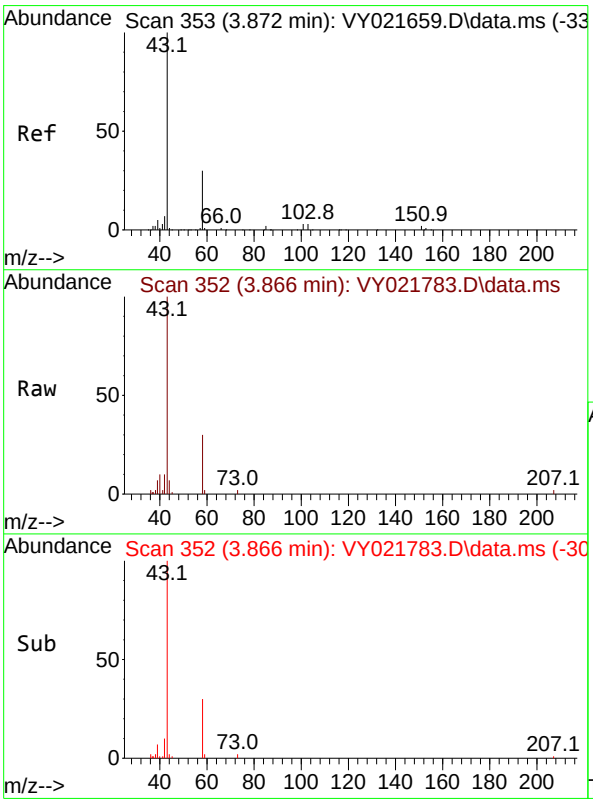
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Tgt Ion:168 Resp: 345582

Ion	Ratio	Lower	Upper
168	100		
99	54.3	46.7	70.1

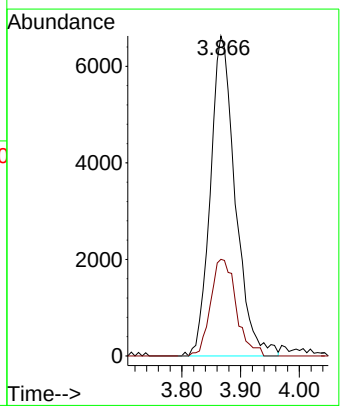


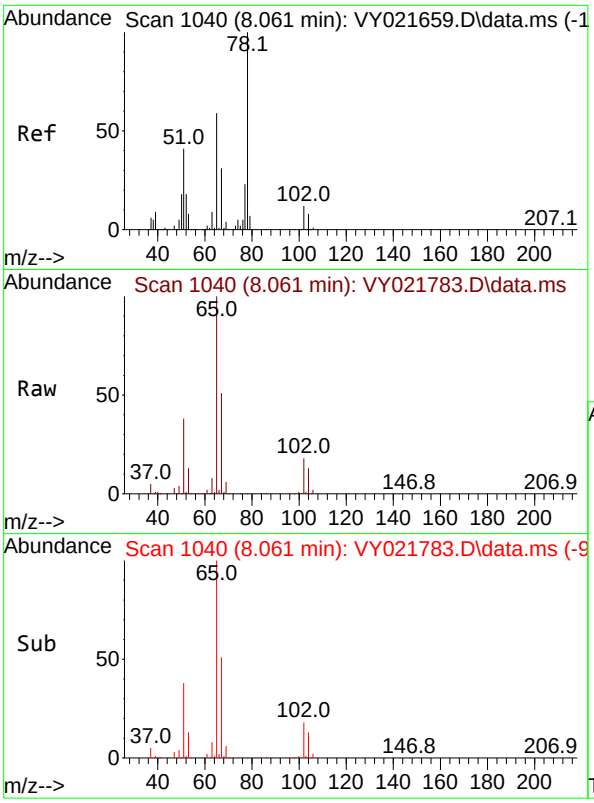


#16
Acetone
Concen: 25.559 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 43 Resp: 19586

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4



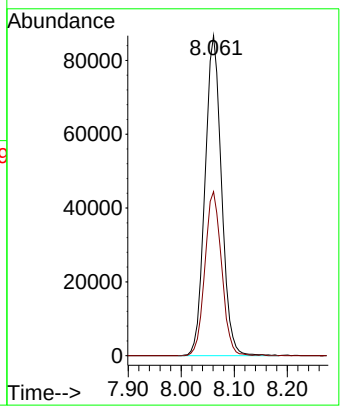


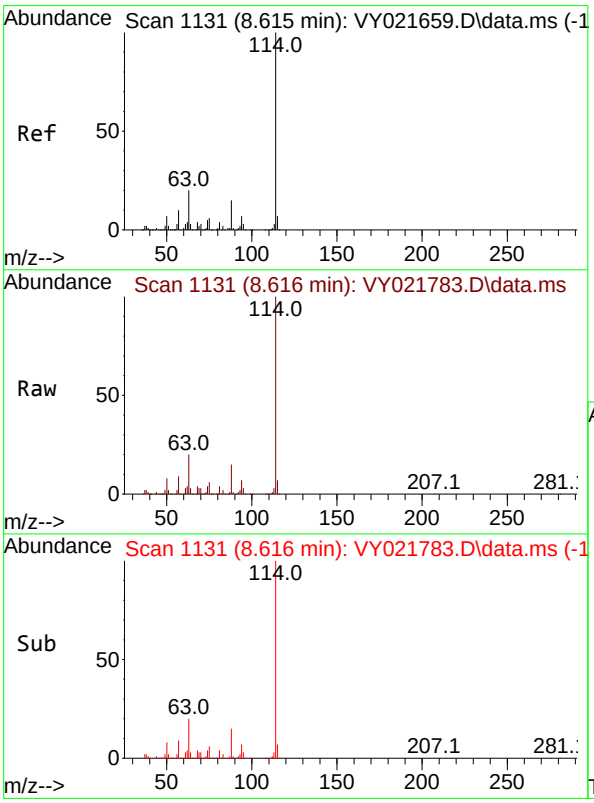
#33
1,2-Dichloroethane-d4
Concen: 50.132 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Tgt Ion: 65 Resp: 187709

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.6

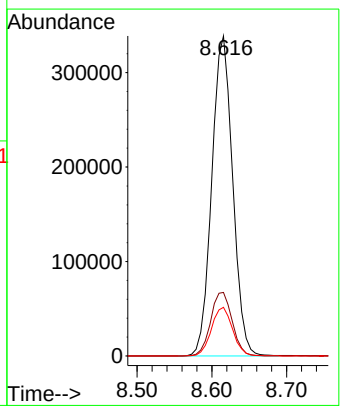


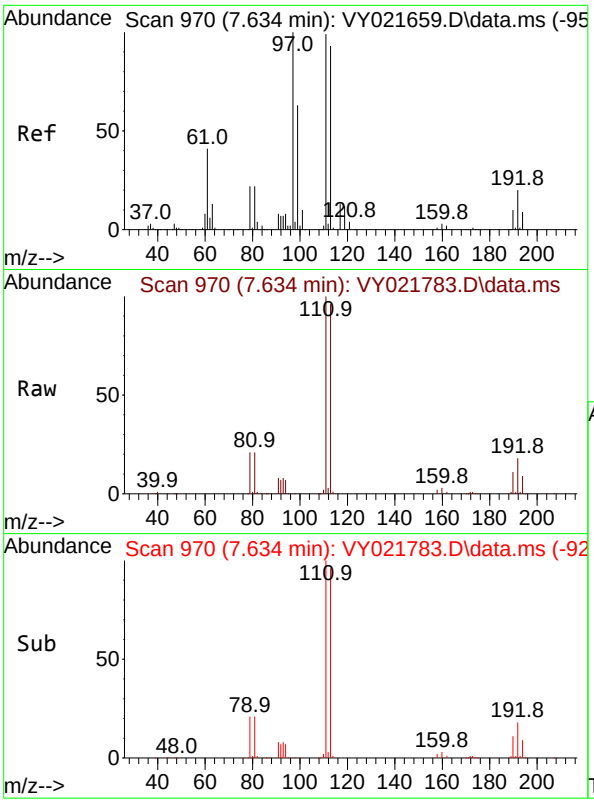


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion:114 Resp: 659294

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.2
88	15.2	0.0	29.8



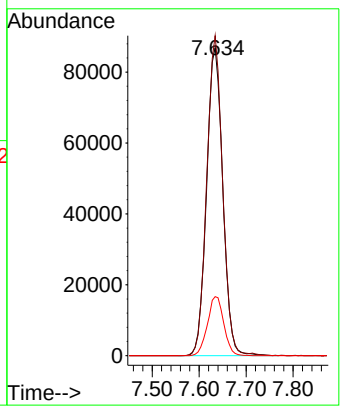


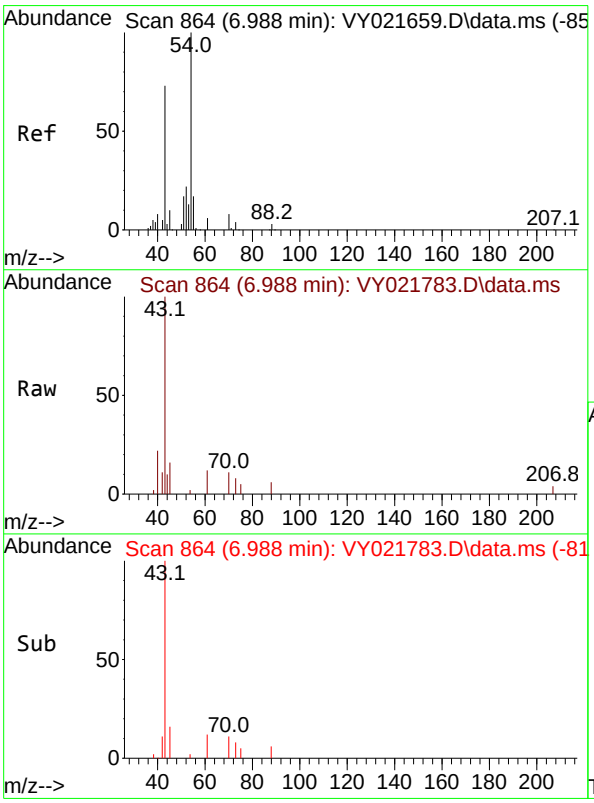
#35
Dibromofluoromethane
Concen: 48.580 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Tgt Ion:113 Resp: 207764

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	19.3	16.2	24.4

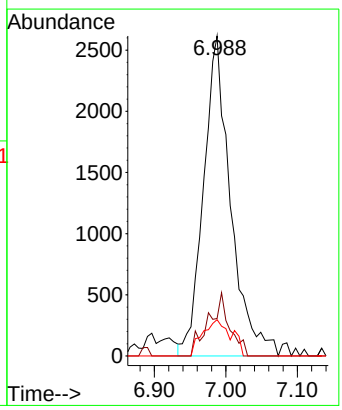


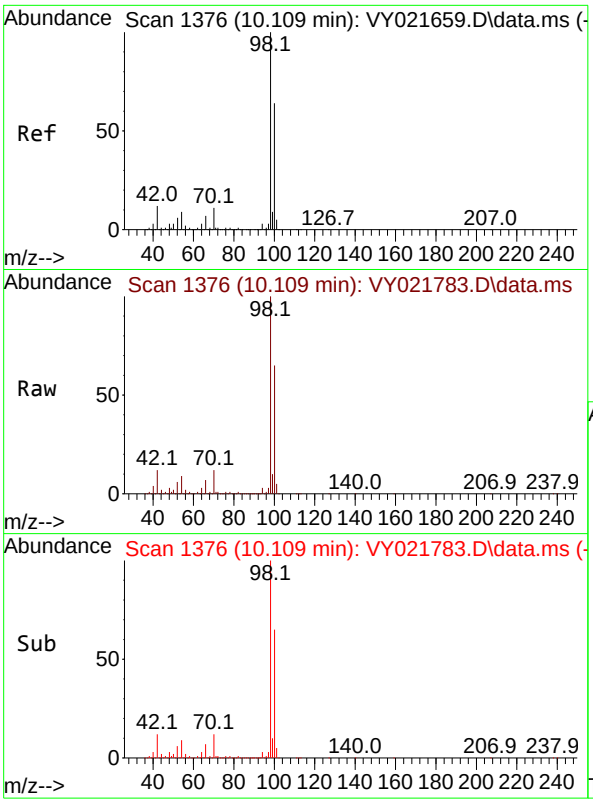


#37
Ethyl Acetate
Concen: 2.240 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 43 Resp: 6886

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.6
70	12.0	8.1	12.1



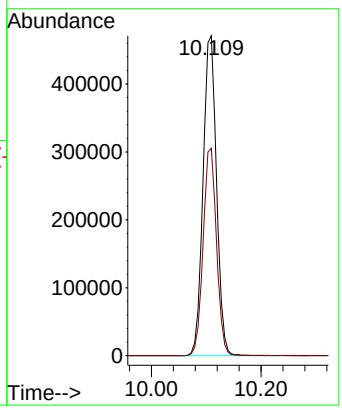


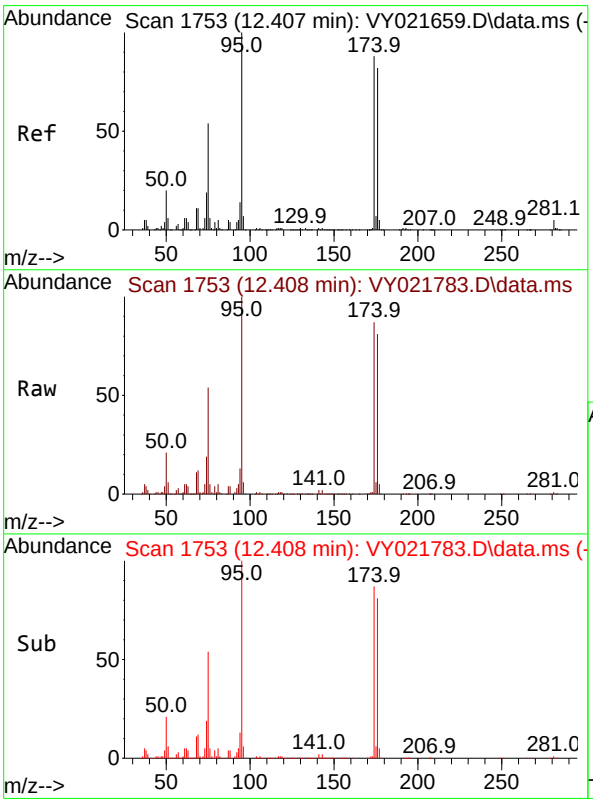
#50
Toluene-d8
Concen: 49.223 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Tgt Ion: 98 Resp: 800849

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

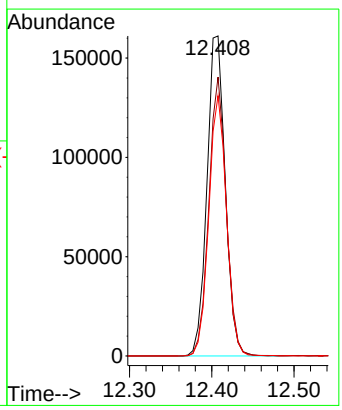


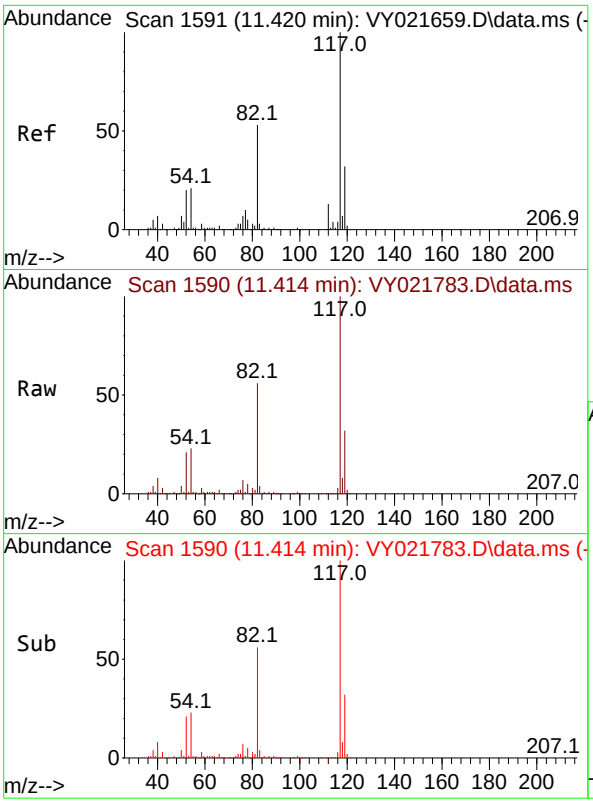


#62
4-Bromofluorobenzene
Concen: 45.263 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 95 Resp: 249093

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	170.8
176	78.6	0.0	162.0



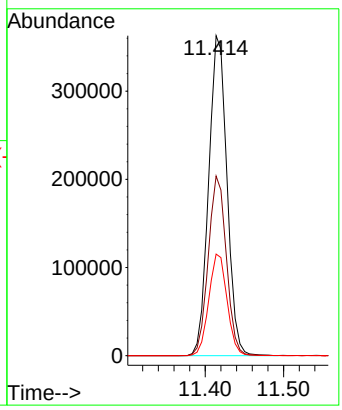


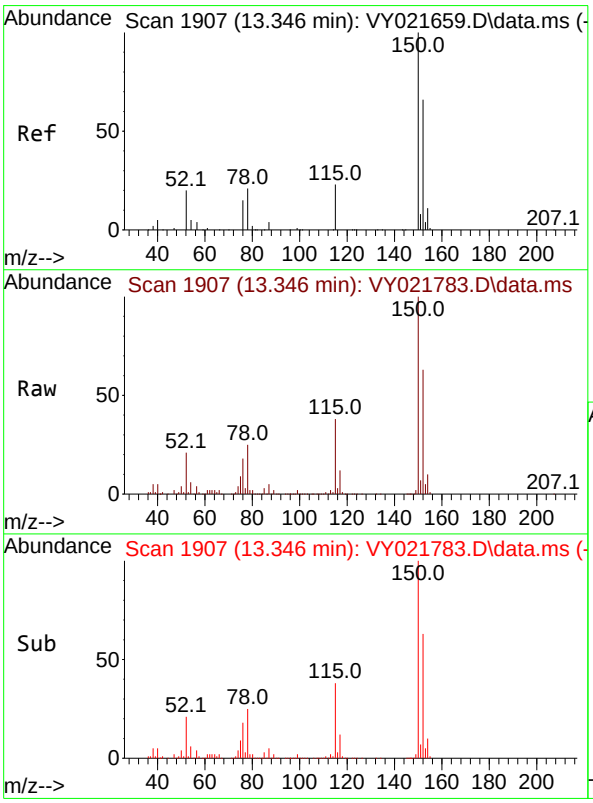
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

Tgt Ion:117 Resp: 587921

Ion	Ratio	Lower	Upper
117	100		
82	56.1	42.8	64.2
119	31.7	25.7	38.5

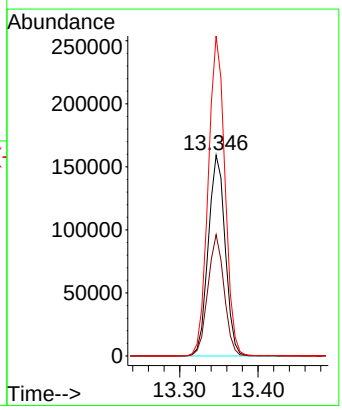




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion:152 Resp: 238203

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	158.1	0.0	348.4



Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-21-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.52 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
VY021784.D	1		04/04/25 14:37	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
74-83-9	Bromomethane	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0051	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0048	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0041	U	0.0012	0.0041	0.0051	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0051	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0051	0.013	0.025	mg/Kg
67-64-1	Acetone	0.021	J	0.0048	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0041	U	0.0011	0.0041	0.0051	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
75-09-2	Methylene Chloride	0.0081	U	0.0036	0.0081	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00088	0.0025	0.0051	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00081	0.0025	0.0051	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0067	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00099	0.0025	0.0051	mg/Kg
594-20-7	2,2-Dichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00076	0.0025	0.0051	mg/Kg
67-66-3	Chloroform	0.0041	U	0.00085	0.0041	0.0051	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00095	0.0025	0.0051	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00089	0.0025	0.0051	mg/Kg
71-43-2	Benzene	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00080	0.0025	0.0051	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00082	0.0025	0.0051	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00093	0.0025	0.0051	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00091	0.0025	0.0051	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-21-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.52 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
VY021784.D	1		04/04/25 14:37	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00066	0.0025	0.0051	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00094	0.0025	0.0051	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00069	0.0025	0.0051	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0038	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00089	0.0025	0.0051	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00090	0.0025	0.0051	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00093	0.0025	0.0051	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00078	0.0025	0.0051	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
179601-23-1	m/p-Xylenes	0.0051	U	0.0013	0.0051	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0076	U	0.0021	0.0076	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
100-42-5	Styrene	0.0025	U	0.00072	0.0025	0.0051	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00088	0.0025	0.0051	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00079	0.0025	0.0051	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0041	U	0.0013	0.0041	0.0051	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00074	0.0025	0.0051	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00069	0.0025	0.0051	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00083	0.0025	0.0051	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0051	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00068	0.0025	0.0051	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00065	0.0025	0.0051	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00067	0.0025	0.0051	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00063	0.0025	0.0051	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0051	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0051	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-21-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.52 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
VY021784.D	1		04/04/25 14:37	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0051	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0041	U	0.0019	0.0041	0.0051	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0041	U	0.0030	0.0041	0.0051	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0051	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0041	U	0.0032	0.0041	0.0051	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0051	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.9		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.9		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	300000	7.707				
540-36-3	1,4-Difluorobenzene	589000	8.616				
3114-55-4	Chlorobenzene-d5	559000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	237000	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\VY040425\
Data File : VY021784.D
Acq On : 04 Apr 2025 14:37
Operator : SY/MD
Sample : Q1730-07
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Quant Time: Apr 04 23:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

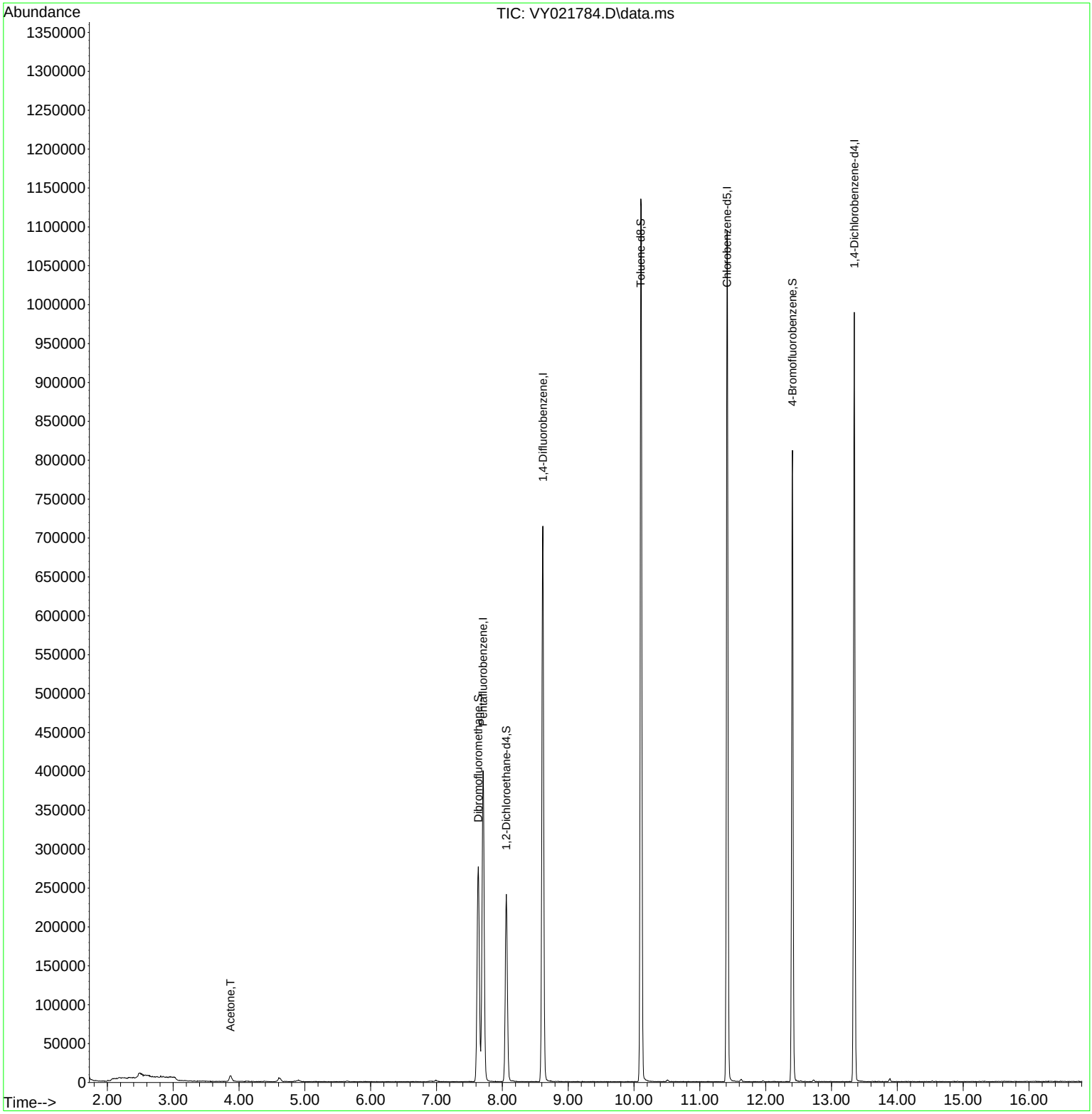
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	589442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	558862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191441	58.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.800%			
35) Dibromofluoromethane	7.634	113	197606	51.680	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.360%			
50) Toluene-d8	10.103	98	726513	49.945	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.408	95	241379	49.059	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.120%			
Target Compounds						Qvalue
16) Acetone	3.873	43	13804	20.751	ug/l	94

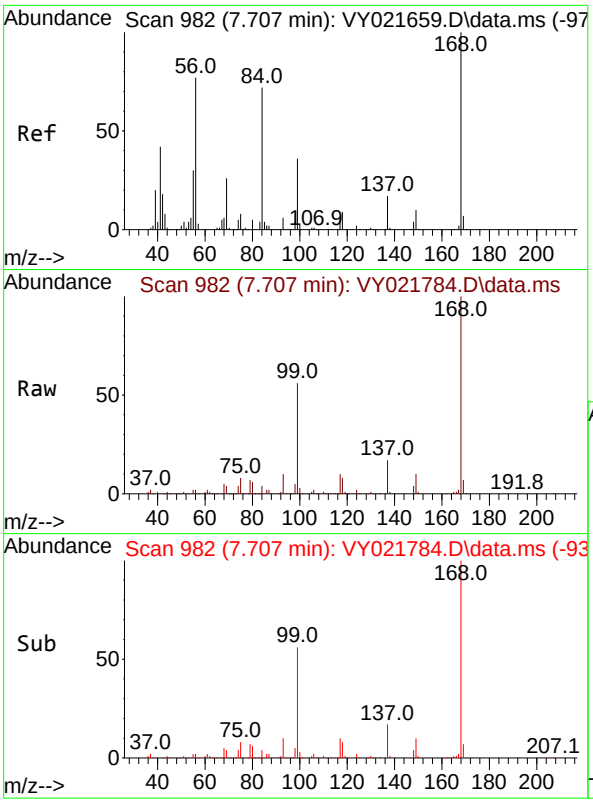
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021784.D
Acq On : 04 Apr 2025 14:37
Operator : SY/MD
Sample : Q1730-07
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Quant Time: Apr 04 23:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



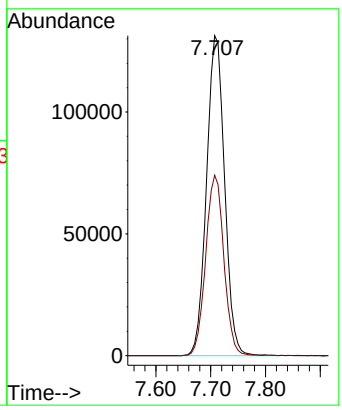


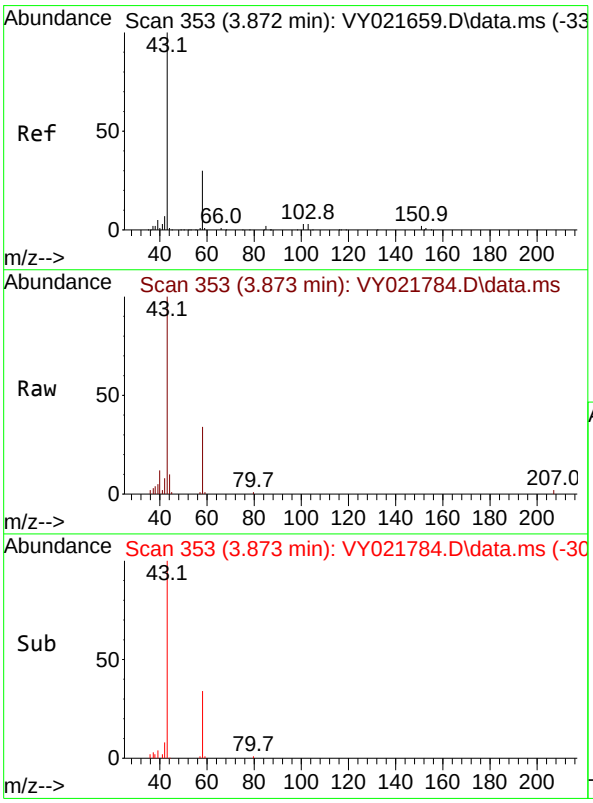
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Tgt Ion:168 Resp: 300002

Ion	Ratio	Lower	Upper
168	100		
99	56.4	46.7	70.1

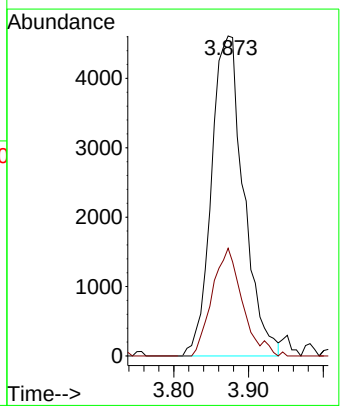


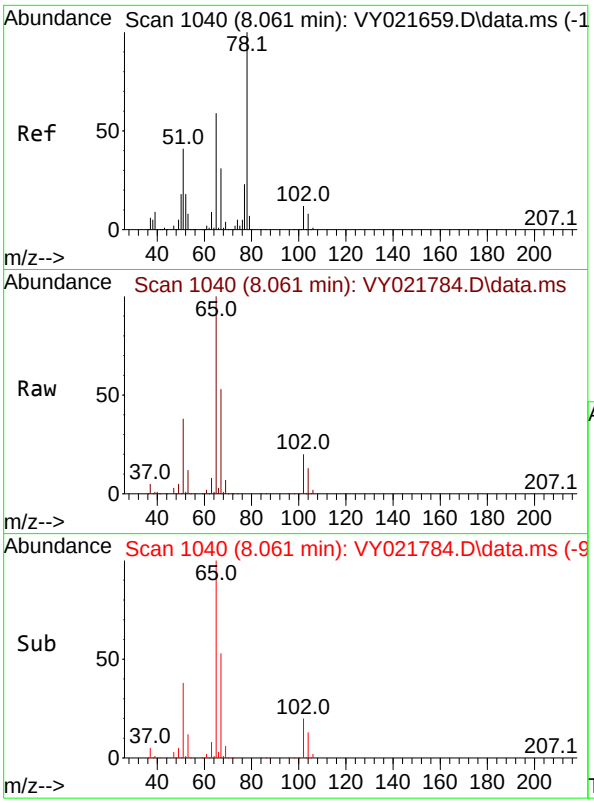


#16
Acetone
Concen: 20.751 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion: 43 Resp: 13804

Ion	Ratio	Lower	Upper
43	100		
58	33.7	24.2	36.4



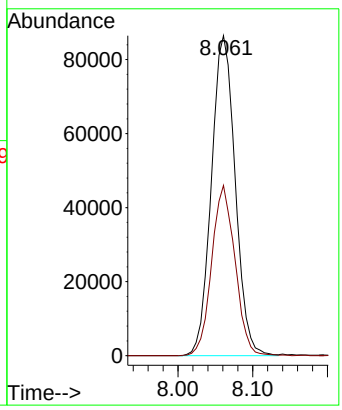


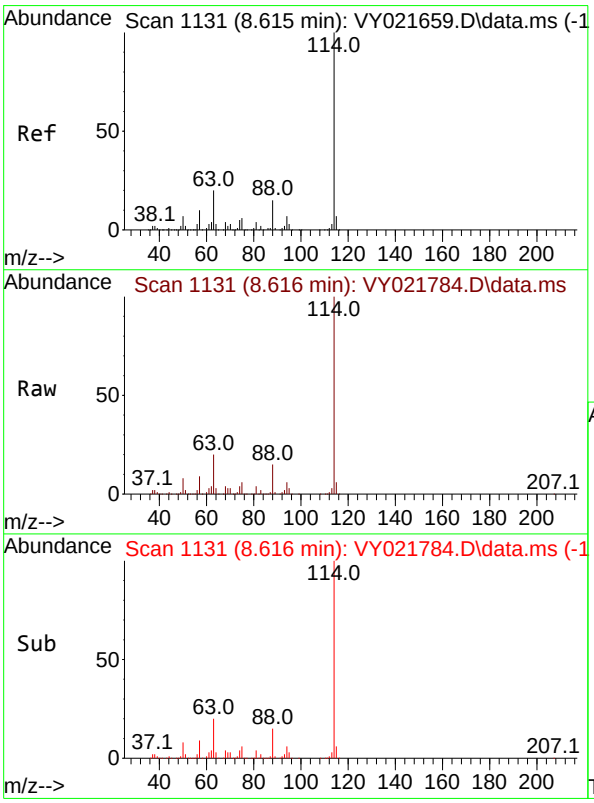
#33
1,2-Dichloroethane-d4
Concen: 58.897 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Tgt Ion: 65 Resp: 191441

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6

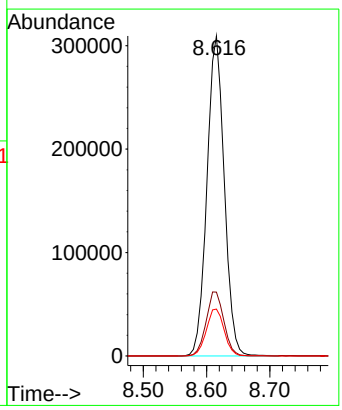


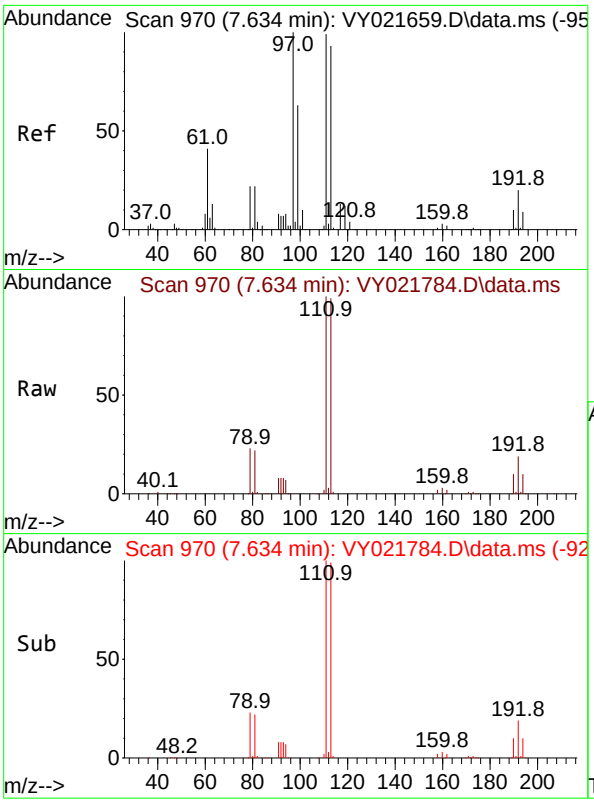


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion:114 Resp: 589442

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.2
88	14.6	0.0	29.8



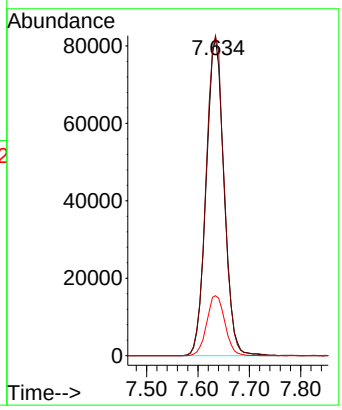


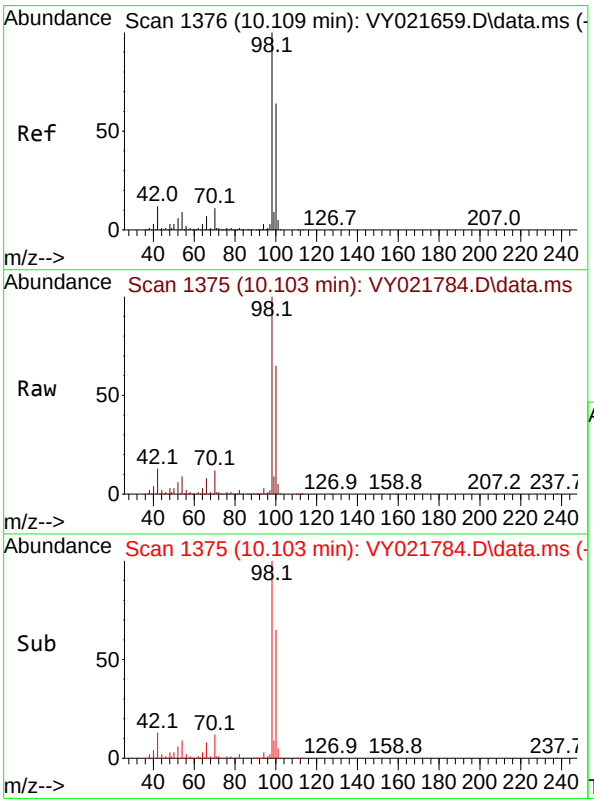
#35
Dibromofluoromethane
Concen: 51.680 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Tgt Ion:113 Resp: 197606

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	19.3	16.2	24.4

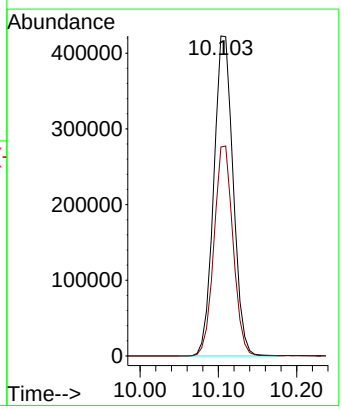


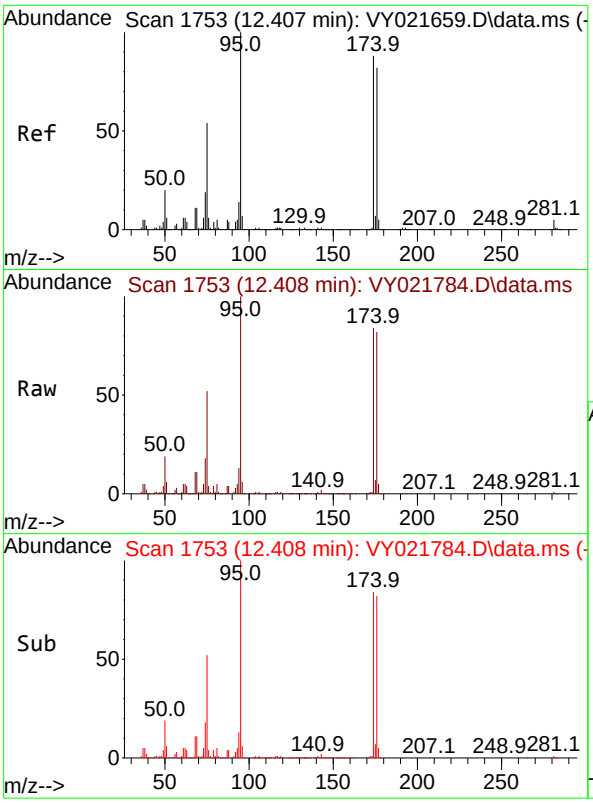


#50
Toluene-d8
Concen: 49.945 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion: 98 Resp: 726513

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



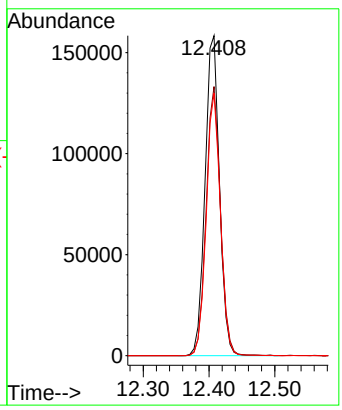


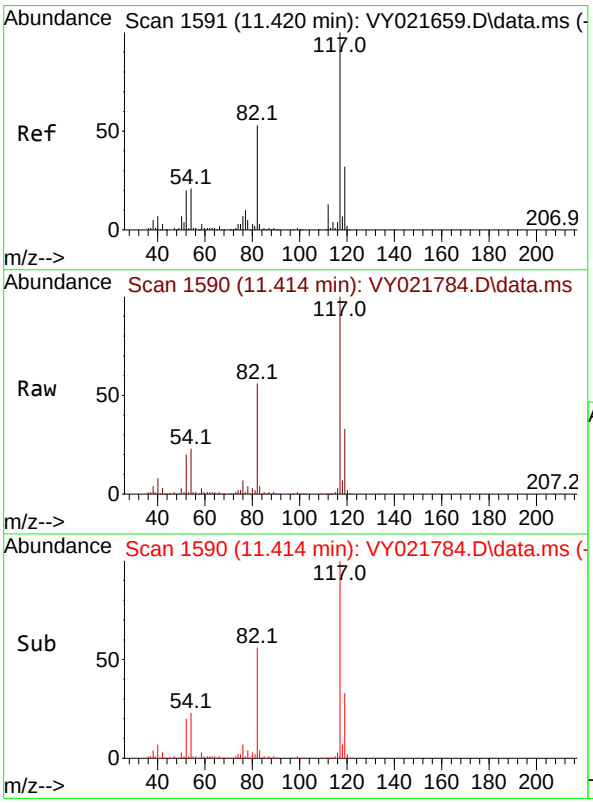
#62
4-Bromofluorobenzene
Concen: 49.059 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Tgt Ion: 95 Resp: 241379

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.8
176	80.6	0.0	162.0

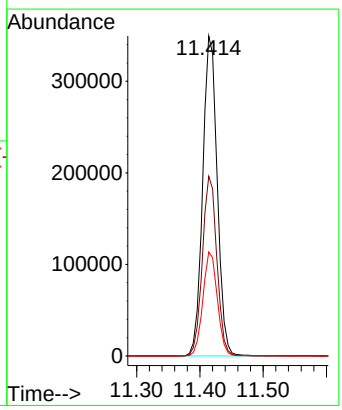


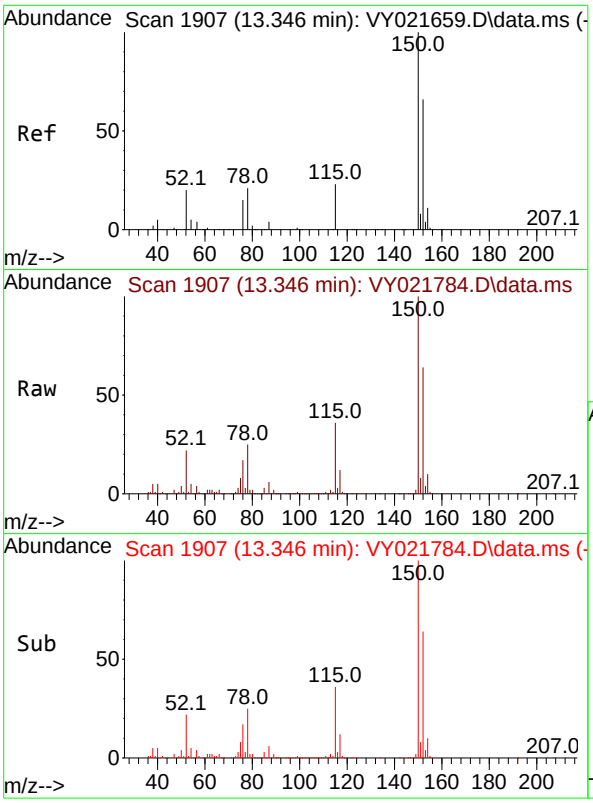


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion:117 Resp: 558862

Ion	Ratio	Lower	Upper
117	100		
82	56.2	42.8	64.2
119	32.5	25.7	38.5



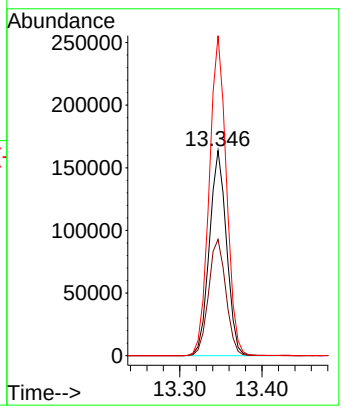


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Tgt Ion:152 Resp: 236951

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.8	86.5
150	156.0	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-22-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	6.58 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
VY021785.D	1		04/04/25 15:00	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0033	U	0.00095	0.0033	0.0042	mg/Kg
74-87-3	Chloromethane	0.0021	U	0.00095	0.0021	0.0042	mg/Kg
75-01-4	Vinyl Chloride	0.0021	U	0.00066	0.0021	0.0042	mg/Kg
74-83-9	Bromomethane	0.0033	U	0.00090	0.0033	0.0042	mg/Kg
75-00-3	Chloroethane	0.0021	U	0.0011	0.0021	0.0042	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0039	0.011	0.021	mg/Kg
75-69-4	Trichlorofluoromethane	0.0033	U	0.0010	0.0033	0.0042	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0021	U	0.00089	0.0021	0.0042	mg/Kg
75-35-4	1,1-Dichloroethene	0.0021	U	0.00084	0.0021	0.0042	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0042	0.011	0.021	mg/Kg
67-64-1	Acetone	0.017	U	0.0040	0.017	0.021	mg/Kg
75-15-0	Carbon Disulfide	0.0033	U	0.00089	0.0033	0.0042	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0021	U	0.00061	0.0021	0.0042	mg/Kg
75-09-2	Methylene Chloride	0.0067	U	0.0030	0.0067	0.0084	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0021	U	0.00072	0.0021	0.0042	mg/Kg
75-34-3	1,1-Dichloroethane	0.0021	U	0.00067	0.0021	0.0042	mg/Kg
78-93-3	2-Butanone	0.017	U	0.0055	0.017	0.021	mg/Kg
56-23-5	Carbon Tetrachloride	0.0021	U	0.00081	0.0021	0.0042	mg/Kg
594-20-7	2,2-Dichloropropane	0.0033	U	0.0011	0.0033	0.0042	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0021	U	0.00063	0.0021	0.0042	mg/Kg
67-66-3	Chloroform	0.0033	U	0.00070	0.0033	0.0042	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0021	U	0.00078	0.0021	0.0042	mg/Kg
563-58-6	1,1-Dichloropropene	0.0021	U	0.00073	0.0021	0.0042	mg/Kg
71-43-2	Benzene	0.0021	U	0.00066	0.0021	0.0042	mg/Kg
107-06-2	1,2-Dichloroethane	0.0021	U	0.00066	0.0021	0.0042	mg/Kg
79-01-6	Trichloroethene	0.0021	U	0.00068	0.0021	0.0042	mg/Kg
78-87-5	1,2-Dichloropropane	0.0021	U	0.00076	0.0021	0.0042	mg/Kg
74-95-3	Dibromomethane	0.0021	U	0.00074	0.0021	0.0042	mg/Kg
75-27-4	Bromodichloromethane	0.0021	U	0.00065	0.0021	0.0042	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0030	0.011	0.021	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-22-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	6.58 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
VY021785.D	1		04/04/25 15:00	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0021	U	0.00065	0.0021	0.0042	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0021	U	0.00054	0.0021	0.0042	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0021	U	0.00052	0.0021	0.0042	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0021	U	0.00077	0.0021	0.0042	mg/Kg
142-28-9	1,3-Dichloropropane	0.0021	U	0.00057	0.0021	0.0042	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0031	0.011	0.021	mg/Kg
124-48-1	Dibromochloromethane	0.0021	U	0.00073	0.0021	0.0042	mg/Kg
106-93-4	1,2-Dibromoethane	0.0021	U	0.00074	0.0021	0.0042	mg/Kg
127-18-4	Tetrachloroethene	0.0021	U	0.00088	0.0021	0.0042	mg/Kg
108-90-7	Chlorobenzene	0.0021	U	0.00076	0.0021	0.0042	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0021	U	0.00064	0.0021	0.0042	mg/Kg
100-41-4	Ethyl Benzene	0.0021	U	0.00056	0.0021	0.0042	mg/Kg
179601-23-1	m/p-Xylenes	0.0042	U	0.0010	0.0042	0.0084	mg/Kg
1330-20-7	Total Xylenes	0.0063	U	0.0017	0.0063	0.013	mg/Kg
95-47-6	o-Xylene	0.0021	U	0.00069	0.0021	0.0042	mg/Kg
100-42-5	Styrene	0.0021	U	0.00059	0.0021	0.0042	mg/Kg
75-25-2	Bromoform	0.0021	U	0.00072	0.0021	0.0042	mg/Kg
98-82-8	Isopropylbenzene	0.0021	U	0.00065	0.0021	0.0042	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	0.0010	0.0021	0.0042	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0033	U	0.0010	0.0033	0.0042	mg/Kg
108-86-1	Bromobenzene	0.0021	U	0.0010	0.0021	0.0042	mg/Kg
103-65-1	n-propylbenzene	0.0021	U	0.00061	0.0021	0.0042	mg/Kg
95-49-8	2-Chlorotoluene	0.0021	U	0.00057	0.0021	0.0042	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0021	U	0.00069	0.0021	0.0042	mg/Kg
106-43-4	4-Chlorotoluene	0.0021	U	0.0010	0.0021	0.0042	mg/Kg
98-06-6	tert-Butylbenzene	0.0021	U	0.00056	0.0021	0.0042	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0021	U	0.00054	0.0021	0.0042	mg/Kg
135-98-8	sec-Butylbenzene	0.0021	U	0.00055	0.0021	0.0042	mg/Kg
99-87-6	p-Isopropyltoluene	0.0021	U	0.00052	0.0021	0.0042	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0021	U	0.0014	0.0021	0.0042	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0021	U	0.0013	0.0021	0.0042	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-22-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.8
Sample Wt/Vol:	6.58 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
VY021785.D	1		04/04/25 15:00	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0021	U	0.0012	0.0021	0.0042	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0021	U	0.0012	0.0021	0.0042	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0033	U	0.0015	0.0033	0.0042	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0033	U	0.0025	0.0033	0.0042	mg/Kg
87-68-3	Hexachlorobutadiene	0.0021	U	0.0016	0.0021	0.0042	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0033	U	0.0027	0.0033	0.0042	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0021	U	0.00089	0.0021	0.0042	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.5		71 - 136		117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	302000	7.707				
540-36-3	1,4-Difluorobenzene	597000	8.616				
3114-55-4	Chlorobenzene-d5	562000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	235000	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\VY040425\
Data File : VY021785.D
Acq On : 04 Apr 2025 15:00
Operator : SY/MD
Sample : Q1730-09
Misc : 6.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Quant Time: Apr 04 23:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

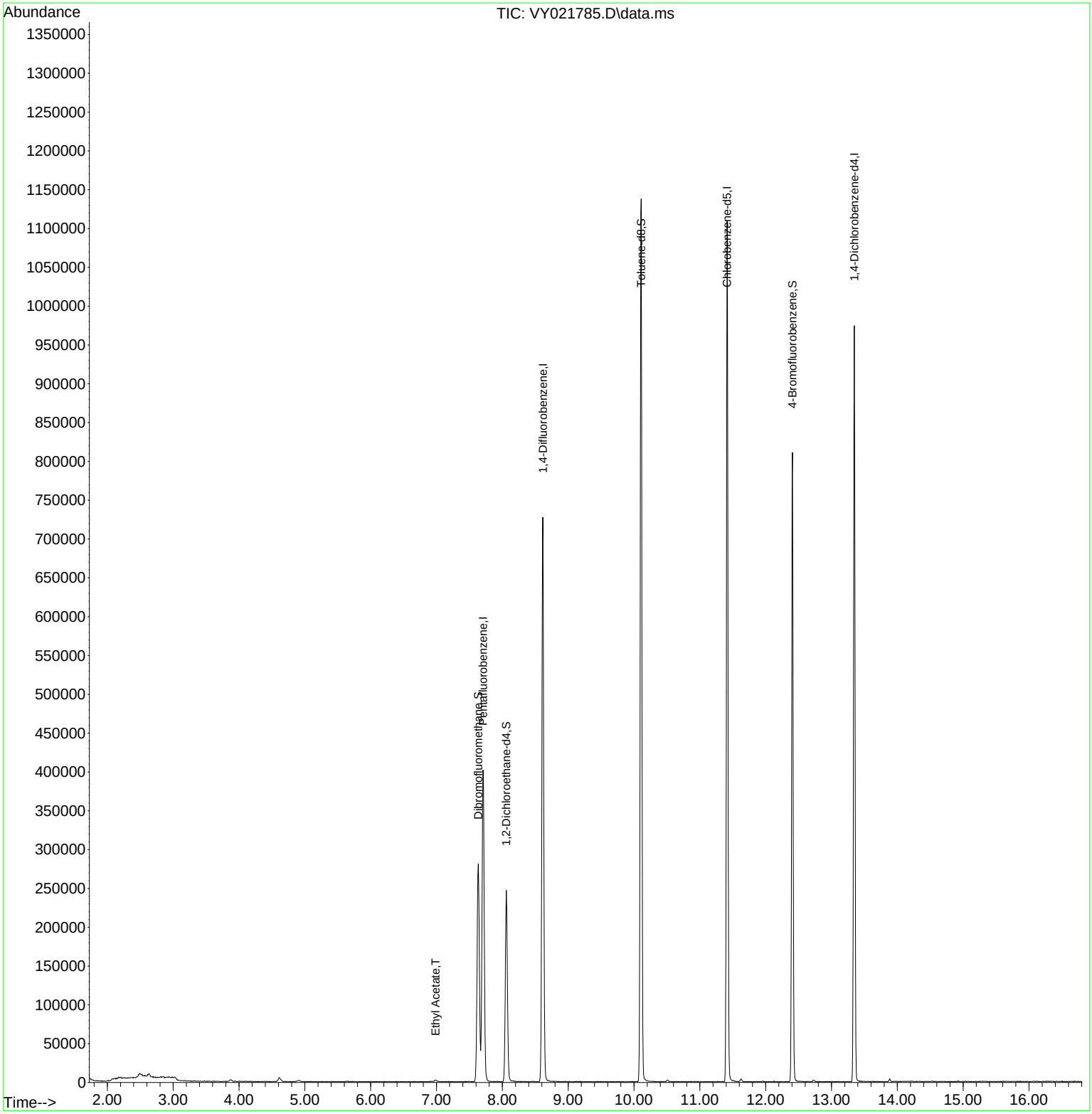
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	596930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	561519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	235341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191837	58.547	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.100%			
35) Dibromofluoromethane	7.634	113	198061	51.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.300%			
50) Toluene-d8	10.109	98	739915	50.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.408	95	244095	48.988	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.980%			
Target Compounds						Qvalue
37) Ethyl Acetate	6.988	43	3484	1.252	ug/l #	93

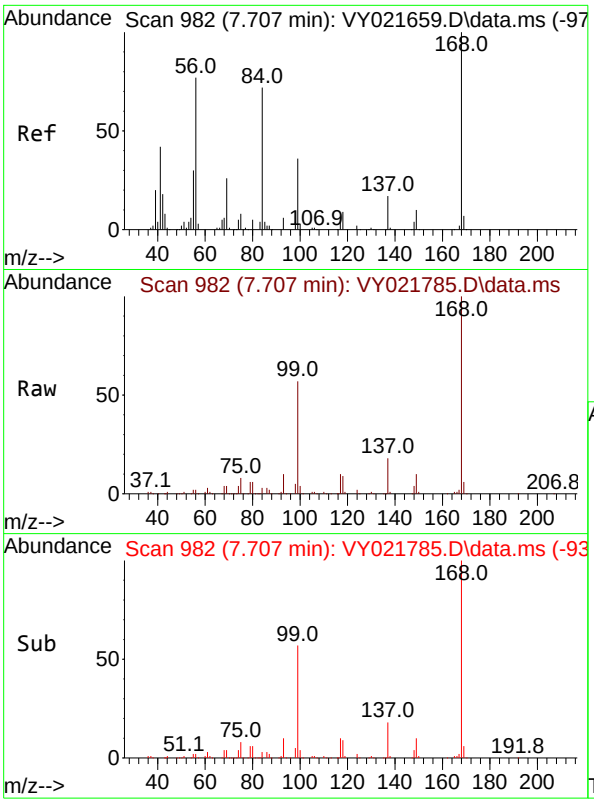
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021785.D
Acq On : 04 Apr 2025 15:00
Operator : SY/MD
Sample : Q1730-09
Misc : 6.58g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Quant Time: Apr 04 23:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



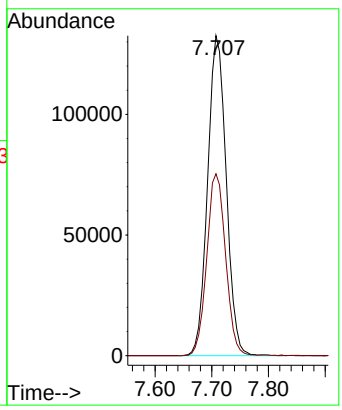


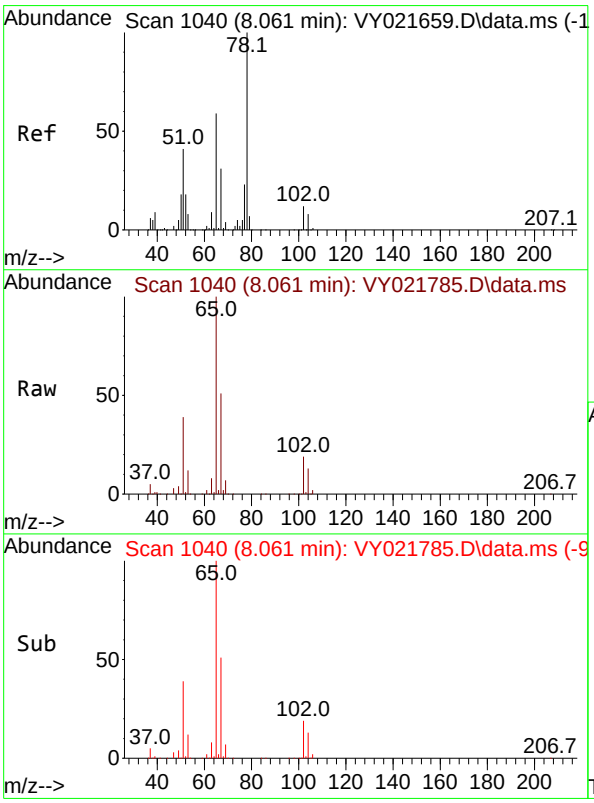
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Tgt Ion:168 Resp: 302418

Ion	Ratio	Lower	Upper
168	100		
99	56.9	46.7	70.1

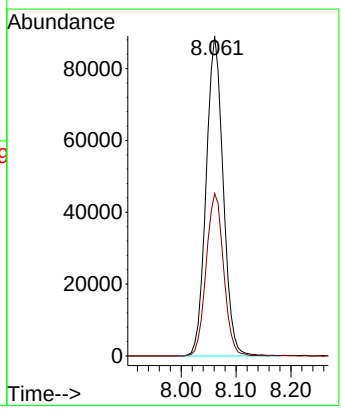


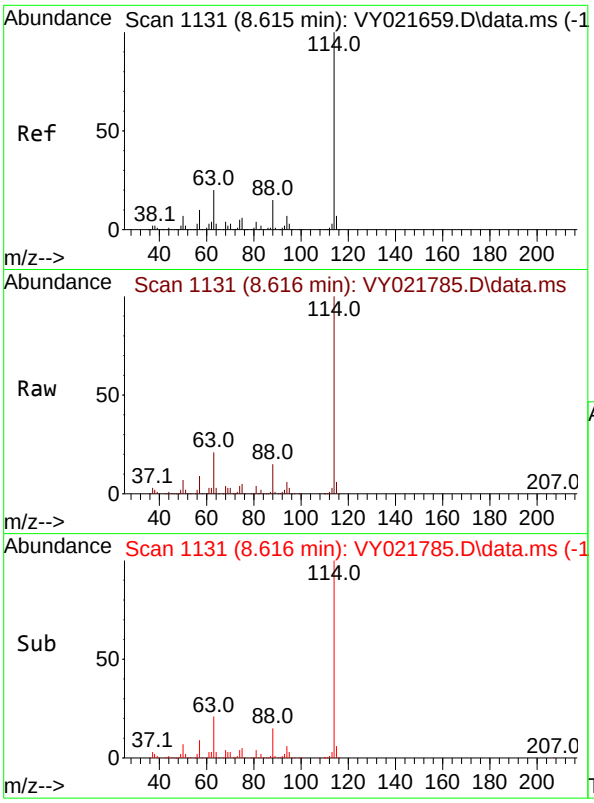


#33
1,2-Dichloroethane-d4
Concen: 58.547 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Tgt Ion: 65 Resp: 191837

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6



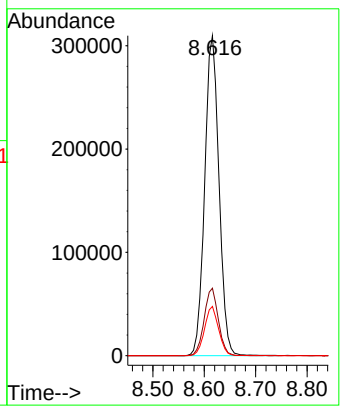


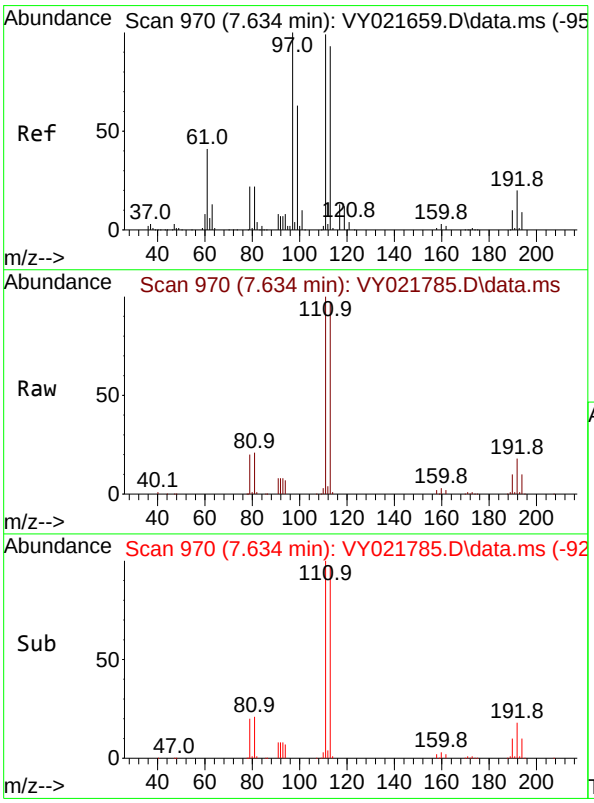
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Tgt Ion:114 Resp: 596930

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.2
88	15.4	0.0	29.8

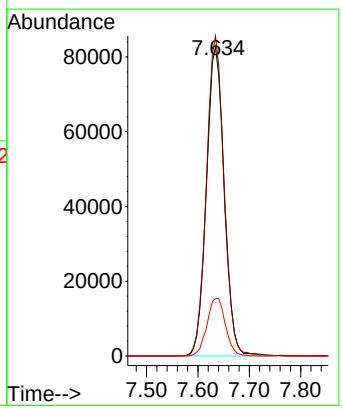


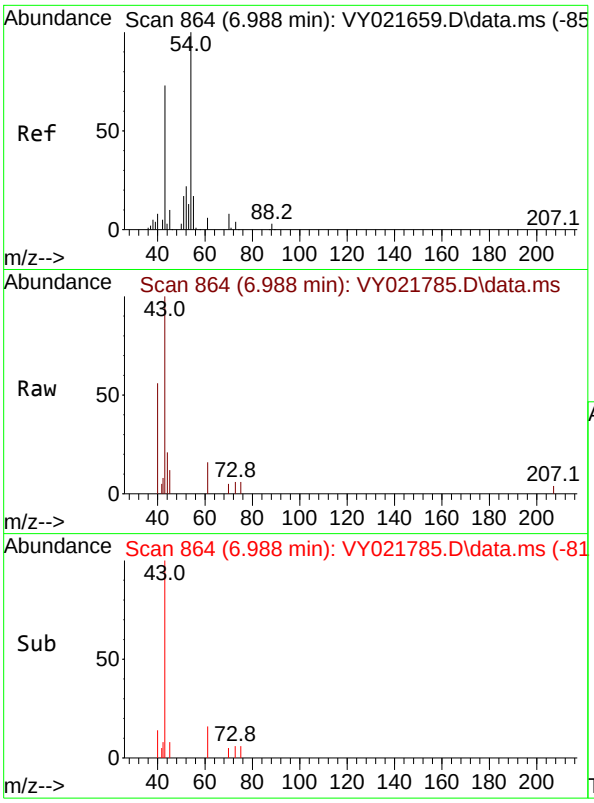


#35
Dibromofluoromethane
Concen: 51.150 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Tgt Ion:113 Resp: 198061

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	19.5	16.2	24.4



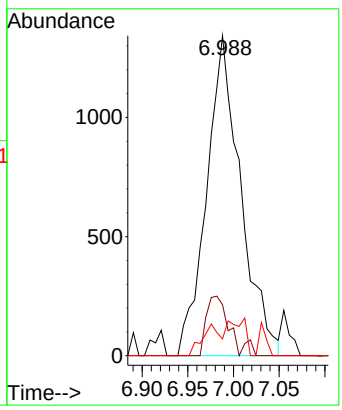


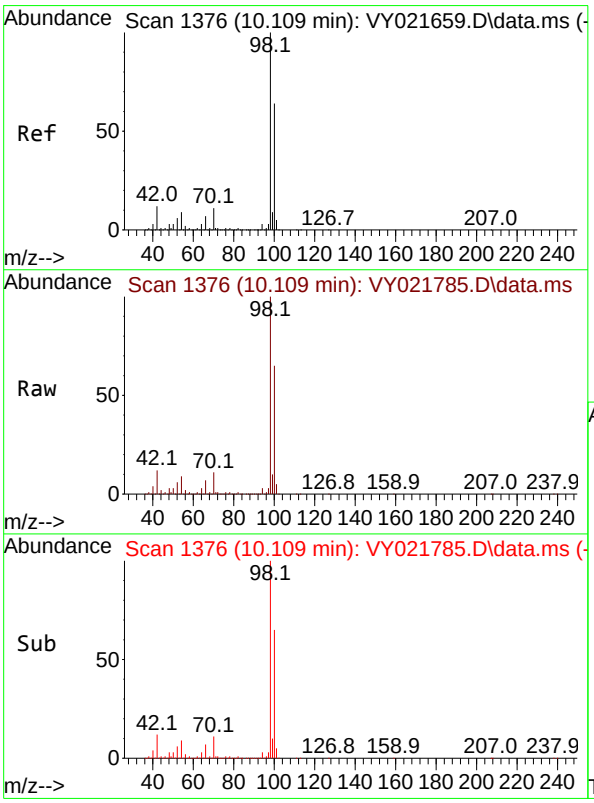
#37
Ethyl Acetate
Concen: 1.252 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Tgt Ion: 43 Resp: 3484

Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.6
70	5.3	8.1	12.1#

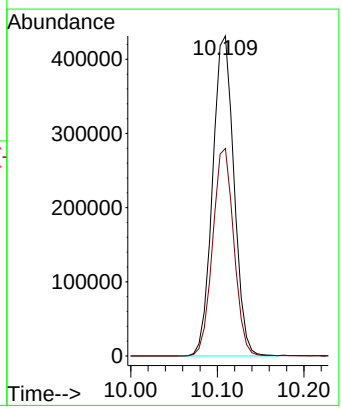


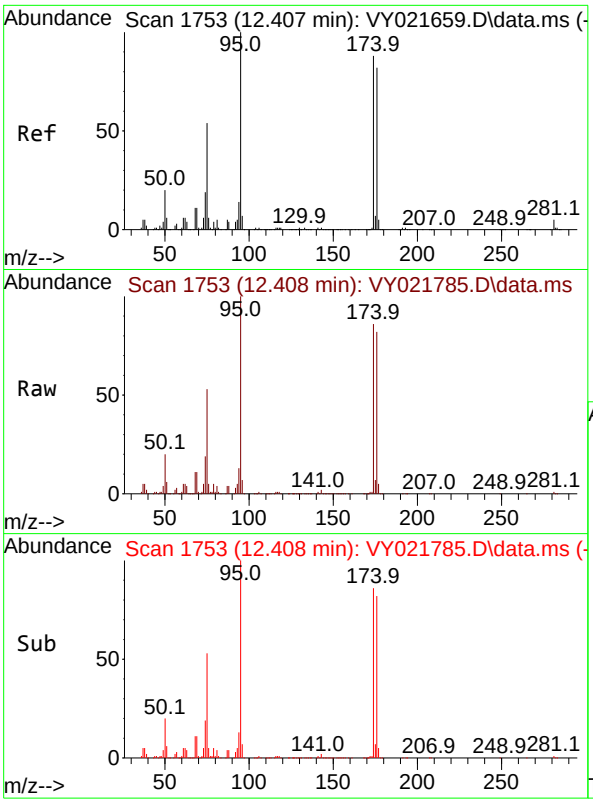


#50
Toluene-d8
Concen: 50.229 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Tgt Ion: 98 Resp: 739915

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1



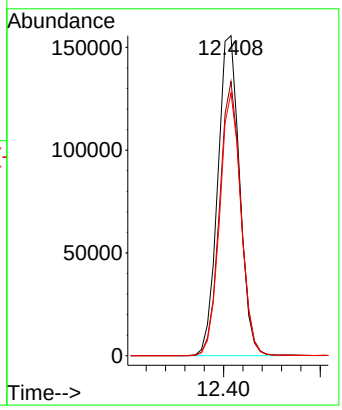


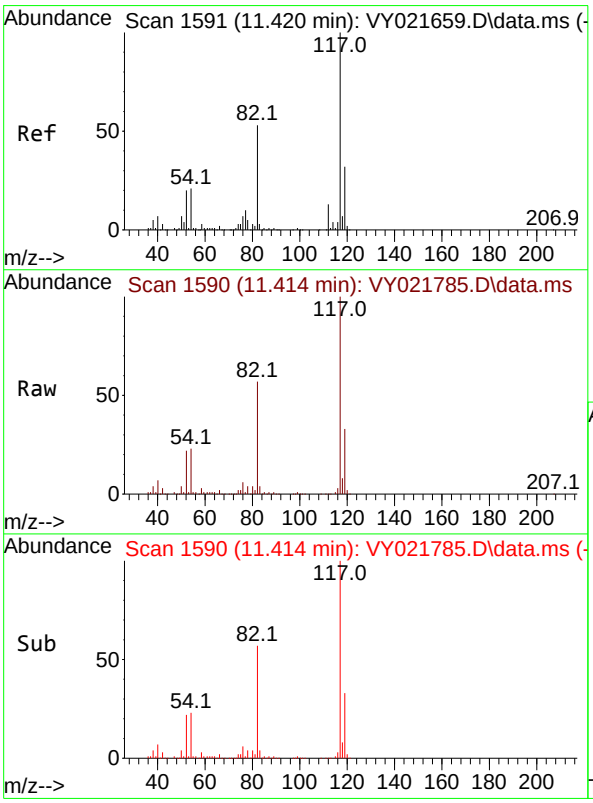
#62
4-Bromofluorobenzene
Concen: 48.988 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Tgt Ion: 95 Resp: 244095

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	170.8
176	79.7	0.0	162.0

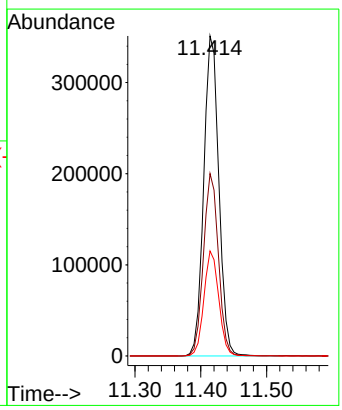


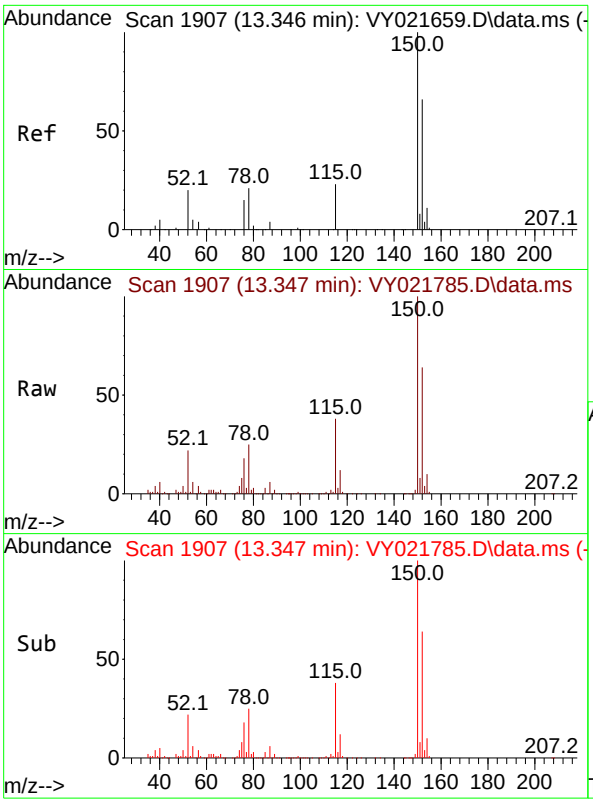


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Tgt Ion:117 Resp: 561519

Ion	Ratio	Lower	Upper
117	100		
82	57.0	42.8	64.2
119	32.8	25.7	38.5



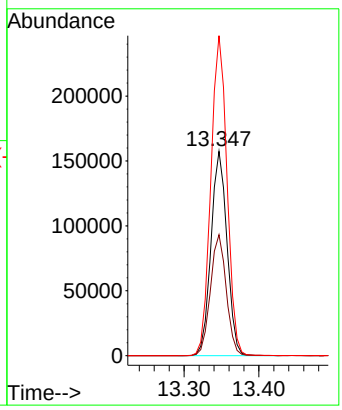


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021785.D
Acq: 04 Apr 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-22-040325

Tgt Ion:152 Resp: 235341

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.5
150	157.8	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-23-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	5.9 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
VY021786.D	1		04/04/25 15:24	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0011	0.0037	0.0047	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.0010	0.0037	0.0047	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.0012	0.0023	0.0047	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0044	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.0011	0.0037	0.0047	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00099	0.0023	0.0047	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00093	0.0023	0.0047	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0046	0.012	0.023	mg/Kg
67-64-1	Acetone	0.028		0.0044	0.019	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.00099	0.0037	0.0047	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00068	0.0023	0.0047	mg/Kg
75-09-2	Methylene Chloride	0.0075	U	0.0033	0.0075	0.0093	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00080	0.0023	0.0047	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00075	0.0023	0.0047	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0061	0.019	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00090	0.0023	0.0047	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0012	0.0037	0.0047	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00070	0.0023	0.0047	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00078	0.0037	0.0047	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00087	0.0023	0.0047	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00081	0.0023	0.0047	mg/Kg
71-43-2	Benzene	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00074	0.0023	0.0047	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00085	0.0023	0.0047	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00083	0.0023	0.0047	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0033	0.012	0.023	mg/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-23-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	5.9 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
VY021786.D	1		04/04/25 15:24	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00061	0.0023	0.0047	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00058	0.0023	0.0047	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00086	0.0023	0.0047	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0034	0.012	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00081	0.0023	0.0047	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00082	0.0023	0.0047	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00098	0.0023	0.0047	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00085	0.0023	0.0047	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00072	0.0023	0.0047	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00062	0.0023	0.0047	mg/Kg
179601-23-1	m/p-Xylenes	0.0047	U	0.0012	0.0047	0.0093	mg/Kg
1330-20-7	Total Xylenes	0.0070	U	0.0020	0.0070	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
100-42-5	Styrene	0.0023	U	0.00066	0.0023	0.0047	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00080	0.0023	0.0047	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00073	0.0023	0.0047	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0037	U	0.0012	0.0037	0.0047	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00068	0.0023	0.0047	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00063	0.0023	0.0047	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00076	0.0023	0.0047	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.0011	0.0023	0.0047	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00062	0.0023	0.0047	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.00060	0.0023	0.0047	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00062	0.0023	0.0047	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00058	0.0023	0.0047	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.0016	0.0023	0.0047	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.0015	0.0023	0.0047	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-23-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	5.9 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
VY021786.D	1		04/04/25 15:24	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.0014	0.0023	0.0047	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.0014	0.0023	0.0047	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0037	U	0.0017	0.0037	0.0047	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0037	U	0.0028	0.0037	0.0047	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.0018	0.0023	0.0047	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0037	U	0.0030	0.0037	0.0047	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00099	0.0023	0.0047	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	342000	7.707				
540-36-3	1,4-Difluorobenzene	663000	8.616				
3114-55-4	Chlorobenzene-d5	607000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	251000	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\VY040425\
Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 04 23:40:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	341604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	662745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	606680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200040	54.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.100%			
35) Dibromofluoromethane	7.634	113	213518	49.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.109	98	813418	49.735	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.408	95	260762	47.136	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.280%			
Target Compounds						Qvalue
16) Acetone	3.867	43	22926	30.266	ug/l	95
37) Ethyl Acetate	6.994	43	7123m	2.305	ug/l	

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

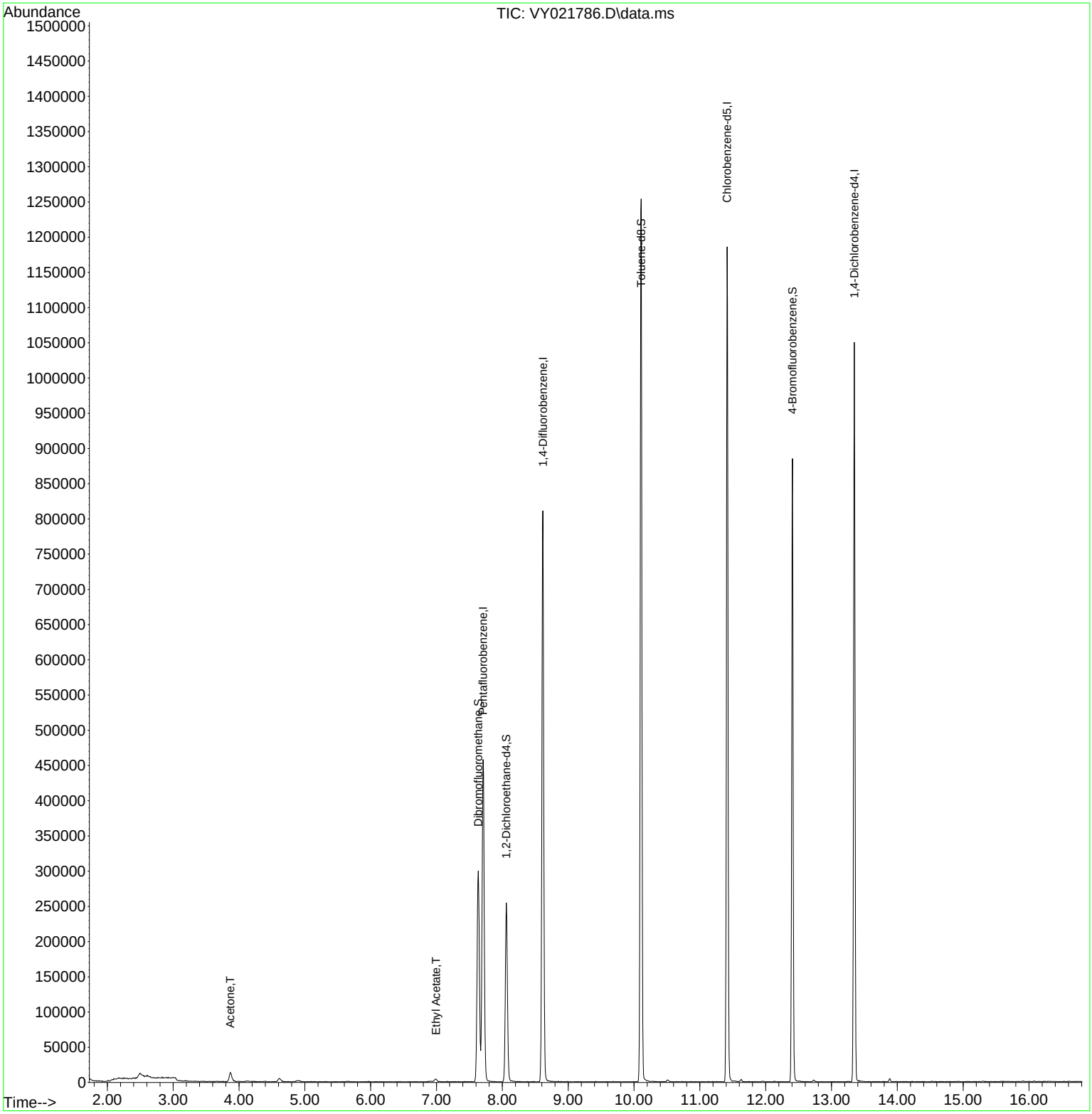
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Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

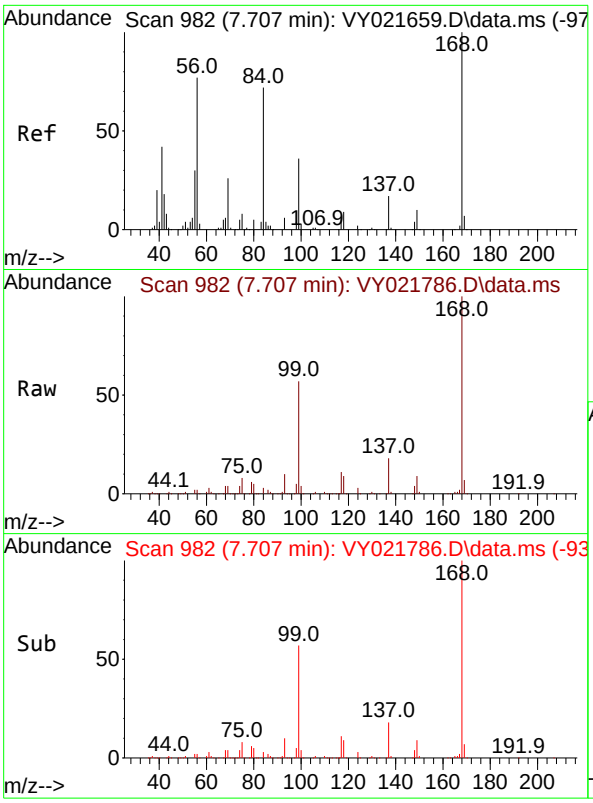
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

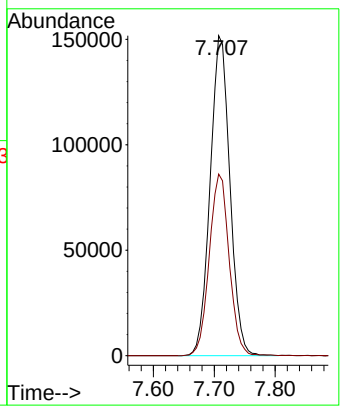
Tgt Ion:168 Resp: 34160

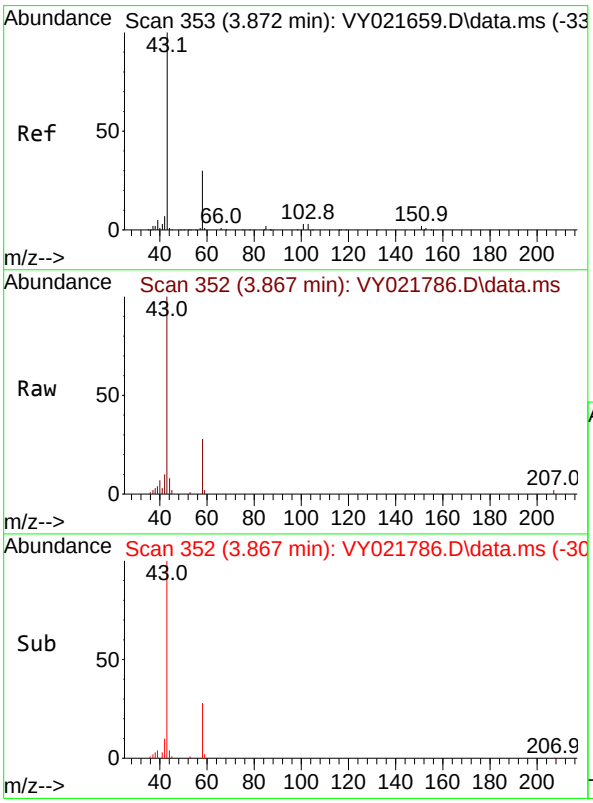
Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

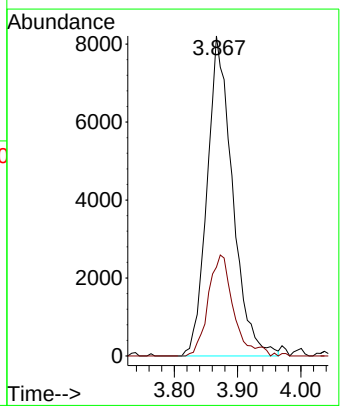


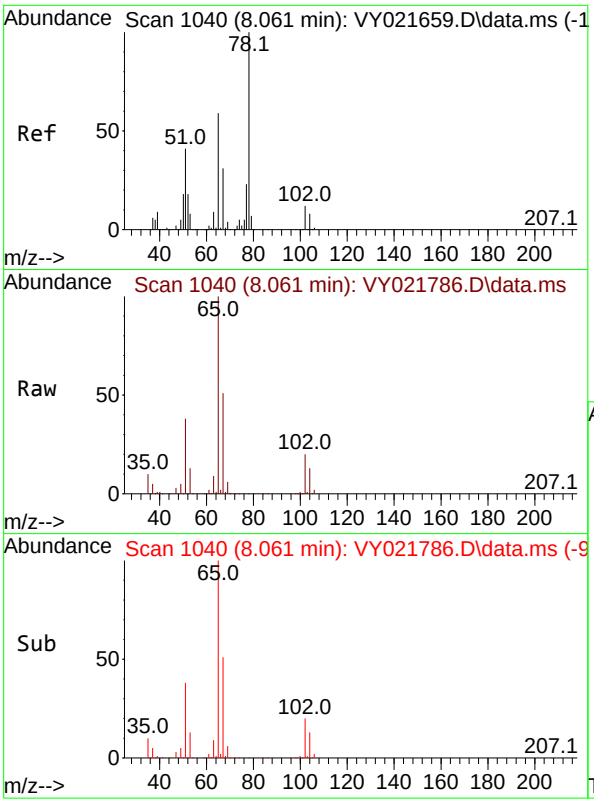


#16
Acetone
Concen: 30.266 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 43 Resp: 22926

Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.2	36.4

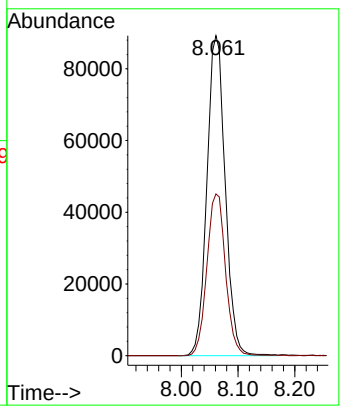




#33
1,2-Dichloroethane-d4
Concen: 54.048 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 65 Resp: 20004

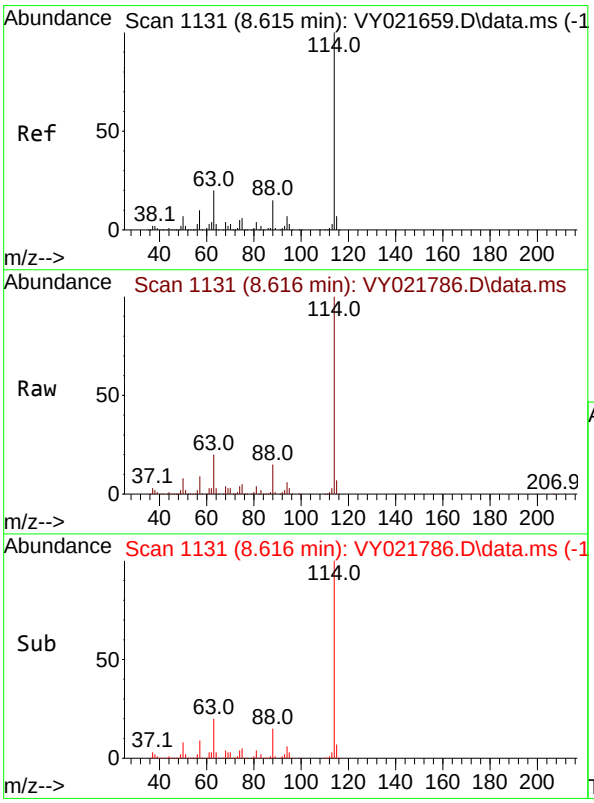
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations
APPROVED

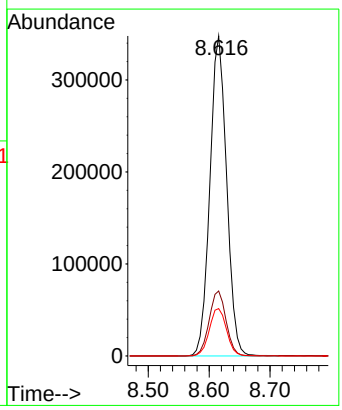
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

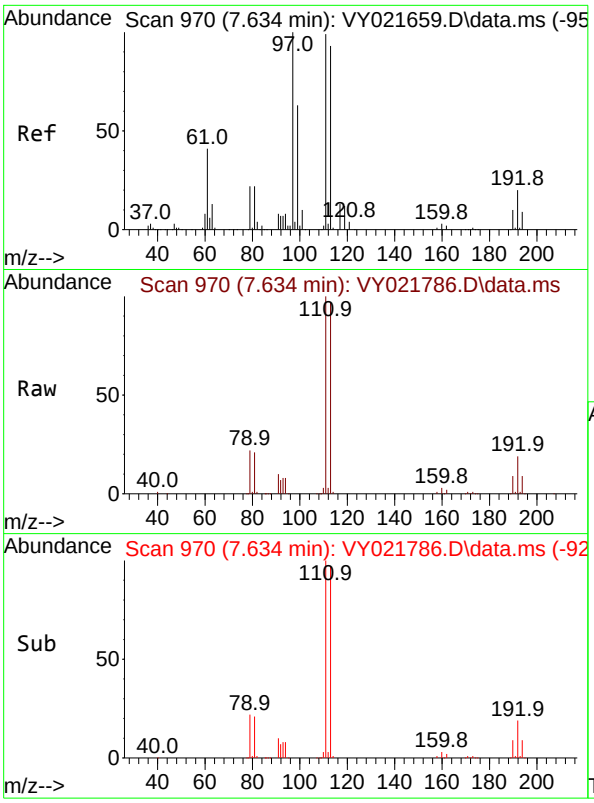


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion:114 Resp: 662745

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	14.8	0.0	29.8

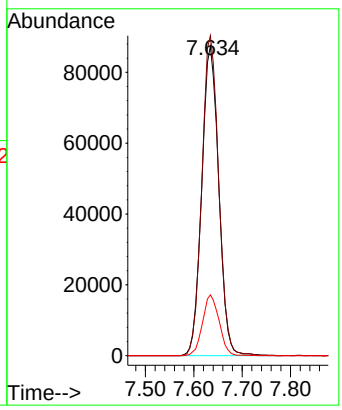




#35
Dibromofluoromethane
Concen: 49.666 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion:113 Resp: 21351

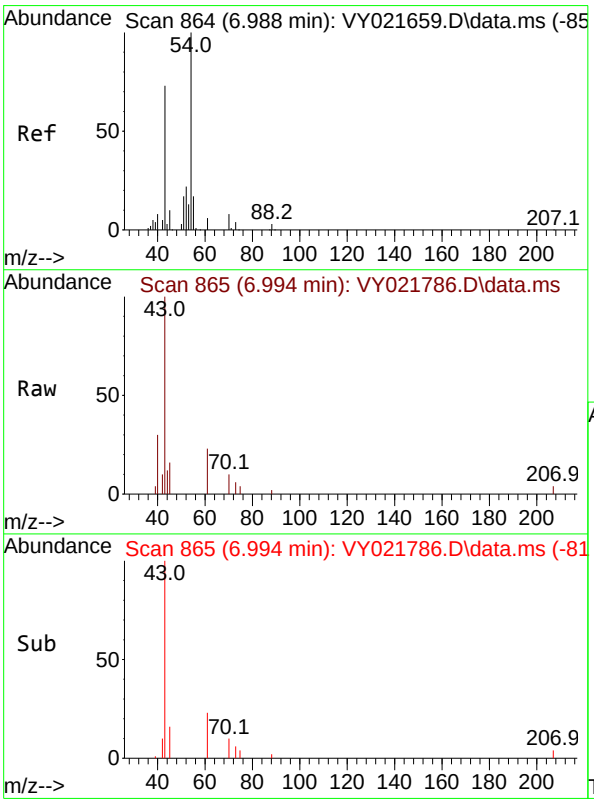
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	19.2	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations
APPROVED

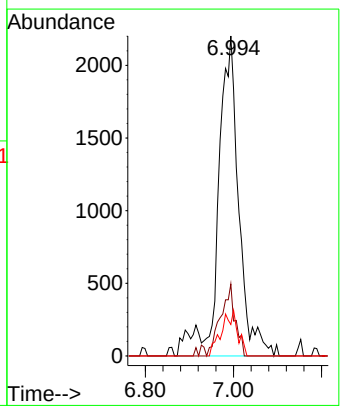
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

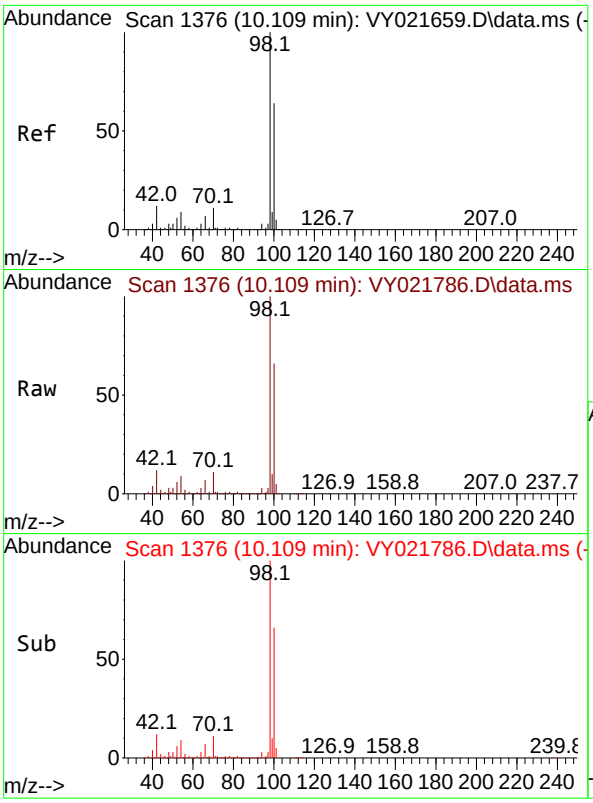


#37
Ethyl Acetate
Concen: 2.305 ug/l m
RT: 6.994 min Scan# 865
Delta R.T. 0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 43 Resp: 7123

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.0	16.6
70	11.2	8.1	12.1





#50
Toluene-d8
Concen: 49.735 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

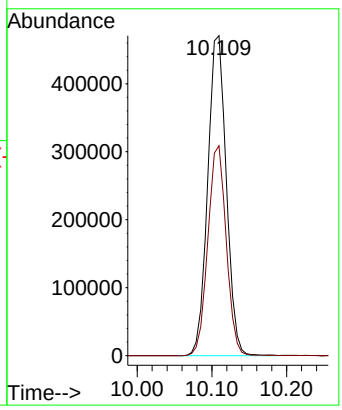
Tgt Ion: 98 Resp: 81341

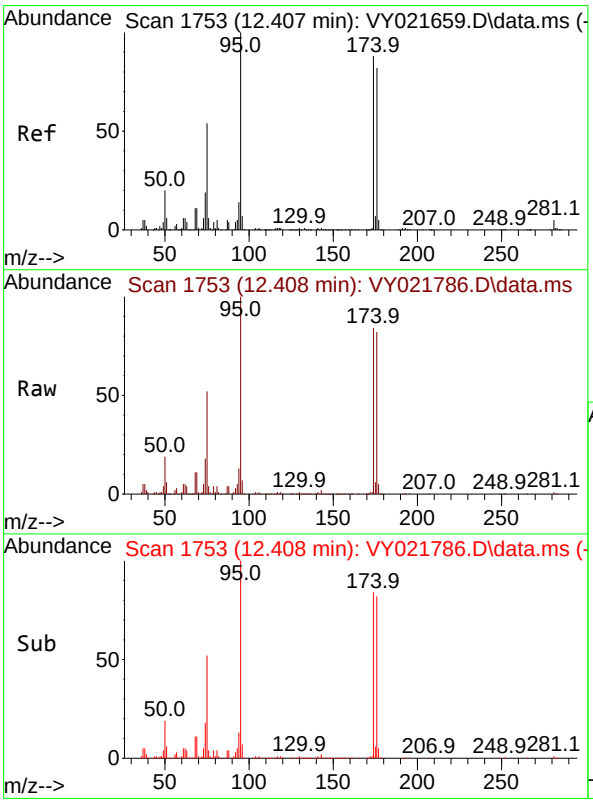
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

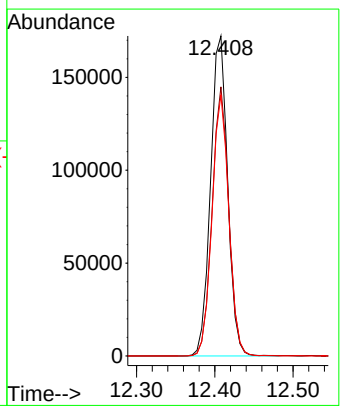


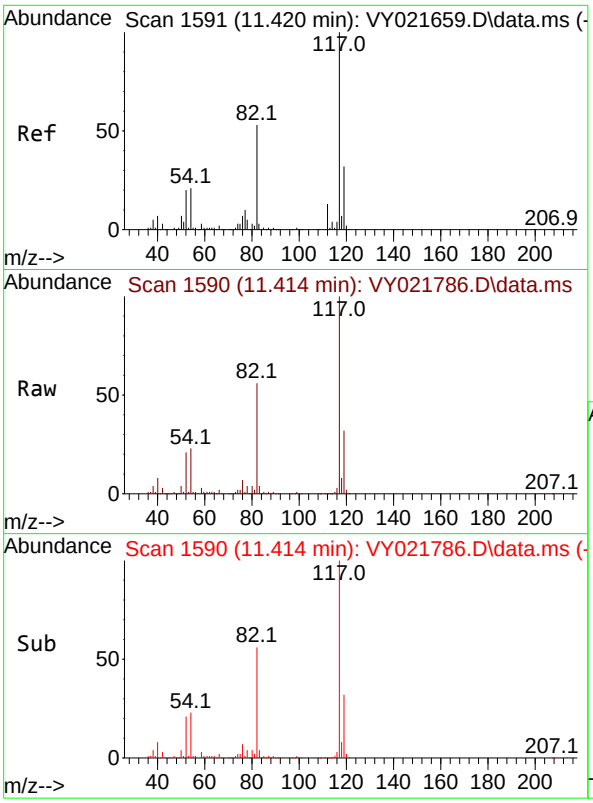


#62
4-Bromofluorobenzene
Concen: 47.136 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 95 Resp: 260762

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	170.8
176	80.1	0.0	162.0

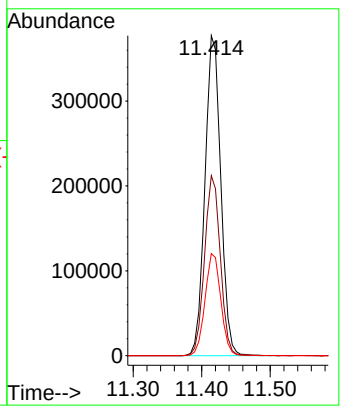




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

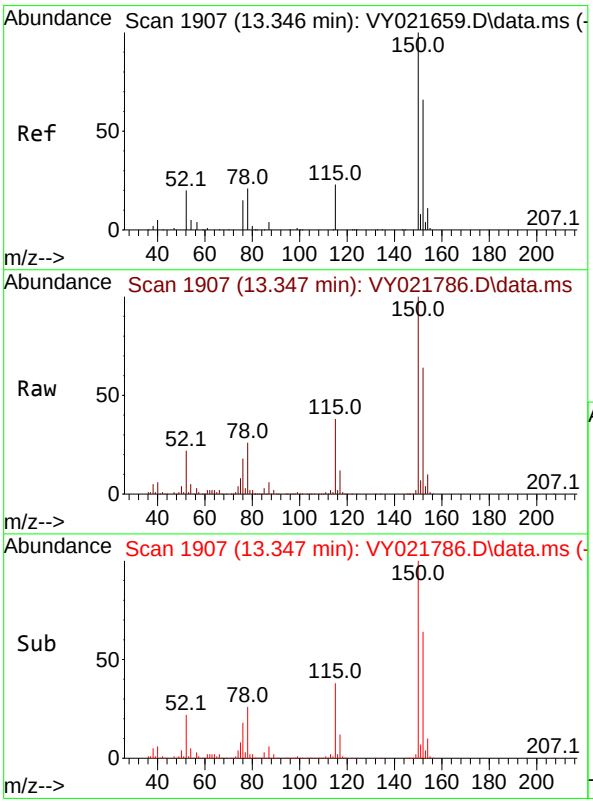
Tgt Ion:117 Resp: 60668

Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.8	64.2
119	31.9	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

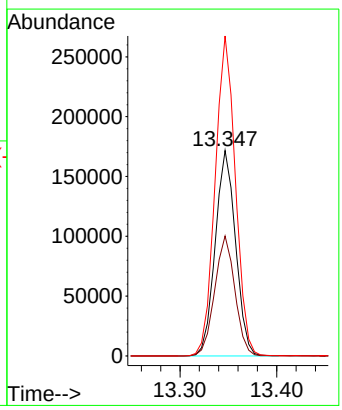
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion:152 Resp: 250886

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	155.0	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-24-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.4 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
VY021787.D	1		04/04/25 15:47	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0034	U	0.00098	0.0034	0.0043	mg/Kg
74-87-3	Chloromethane	0.0021	U	0.00098	0.0021	0.0043	mg/Kg
75-01-4	Vinyl Chloride	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
74-83-9	Bromomethane	0.0034	U	0.00092	0.0034	0.0043	mg/Kg
75-00-3	Chloroethane	0.0021	U	0.0011	0.0021	0.0043	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0040	0.011	0.021	mg/Kg
75-69-4	Trichlorofluoromethane	0.0034	U	0.0010	0.0034	0.0043	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0021	U	0.00091	0.0021	0.0043	mg/Kg
75-35-4	1,1-Dichloroethene	0.0021	U	0.00086	0.0021	0.0043	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0043	0.011	0.021	mg/Kg
67-64-1	Acetone	0.017	J	0.0041	0.017	0.021	mg/Kg
75-15-0	Carbon Disulfide	0.0034	U	0.00091	0.0034	0.0043	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0021	U	0.00062	0.0021	0.0043	mg/Kg
75-09-2	Methylene Chloride	0.0068	U	0.0030	0.0068	0.0086	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
75-34-3	1,1-Dichloroethane	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
78-93-3	2-Butanone	0.017	U	0.0056	0.017	0.021	mg/Kg
56-23-5	Carbon Tetrachloride	0.0021	U	0.00083	0.0021	0.0043	mg/Kg
594-20-7	2,2-Dichloropropane	0.0034	U	0.0011	0.0034	0.0043	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0021	U	0.00064	0.0021	0.0043	mg/Kg
67-66-3	Chloroform	0.0034	U	0.00072	0.0034	0.0043	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0021	U	0.00080	0.0021	0.0043	mg/Kg
563-58-6	1,1-Dichloropropene	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
71-43-2	Benzene	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
107-06-2	1,2-Dichloroethane	0.0021	U	0.00068	0.0021	0.0043	mg/Kg
79-01-6	Trichloroethene	0.0021	U	0.00069	0.0021	0.0043	mg/Kg
78-87-5	1,2-Dichloropropane	0.0021	U	0.00078	0.0021	0.0043	mg/Kg
74-95-3	Dibromomethane	0.0021	U	0.00076	0.0021	0.0043	mg/Kg
75-27-4	Bromodichloromethane	0.0021	U	0.00067	0.0021	0.0043	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0031	0.011	0.021	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-24-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.4 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
VY021787.D	1		04/04/25 15:47	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0021	U	0.00067	0.0021	0.0043	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0021	U	0.00056	0.0021	0.0043	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0021	U	0.00053	0.0021	0.0043	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0021	U	0.00079	0.0021	0.0043	mg/Kg
142-28-9	1,3-Dichloropropane	0.0021	U	0.00058	0.0021	0.0043	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0032	0.011	0.021	mg/Kg
124-48-1	Dibromochloromethane	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
106-93-4	1,2-Dibromoethane	0.0021	U	0.00075	0.0021	0.0043	mg/Kg
127-18-4	Tetrachloroethene	0.0021	U	0.00090	0.0021	0.0043	mg/Kg
108-90-7	Chlorobenzene	0.0021	U	0.00078	0.0021	0.0043	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0021	U	0.00066	0.0021	0.0043	mg/Kg
100-41-4	Ethyl Benzene	0.0021	U	0.00057	0.0021	0.0043	mg/Kg
179601-23-1	m/p-Xylenes	0.0043	U	0.0011	0.0043	0.0086	mg/Kg
1330-20-7	Total Xylenes	0.0064	U	0.0018	0.0064	0.013	mg/Kg
95-47-6	o-Xylene	0.0021	U	0.00070	0.0021	0.0043	mg/Kg
100-42-5	Styrene	0.0021	U	0.00061	0.0021	0.0043	mg/Kg
75-25-2	Bromoform	0.0021	U	0.00074	0.0021	0.0043	mg/Kg
98-82-8	Isopropylbenzene	0.0021	U	0.00067	0.0021	0.0043	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	0.0010	0.0021	0.0043	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0034	U	0.0011	0.0034	0.0043	mg/Kg
108-86-1	Bromobenzene	0.0021	U	0.0010	0.0021	0.0043	mg/Kg
103-65-1	n-propylbenzene	0.0021	U	0.00062	0.0021	0.0043	mg/Kg
95-49-8	2-Chlorotoluene	0.0021	U	0.00058	0.0021	0.0043	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0021	U	0.00070	0.0021	0.0043	mg/Kg
106-43-4	4-Chlorotoluene	0.0021	U	0.0010	0.0021	0.0043	mg/Kg
98-06-6	tert-Butylbenzene	0.0021	U	0.00057	0.0021	0.0043	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0021	U	0.00055	0.0021	0.0043	mg/Kg
135-98-8	sec-Butylbenzene	0.0021	U	0.00056	0.0021	0.0043	mg/Kg
99-87-6	p-Isopropyltoluene	0.0021	U	0.00053	0.0021	0.0043	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0021	U	0.0015	0.0021	0.0043	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0021	U	0.0013	0.0021	0.0043	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-24-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.3
Sample Wt/Vol:	6.4 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
VY021787.D	1		04/04/25 15:47	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0021	U	0.0012	0.0021	0.0043	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0021	U	0.0012	0.0021	0.0043	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0034	U	0.0016	0.0034	0.0043	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0034	U	0.0025	0.0034	0.0043	mg/Kg
87-68-3	Hexachlorobutadiene	0.0021	U	0.0016	0.0021	0.0043	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0034	U	0.0027	0.0034	0.0043	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0021	U	0.00091	0.0021	0.0043	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.1		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.4		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	312000	7.707				
540-36-3	1,4-Difluorobenzene	617000	8.616				
3114-55-4	Chlorobenzene-d5	589000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	248000	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\VY040425\
Data File : VY021787.D
Acq On : 04 Apr 2025 15:47
Operator : SY/MD
Sample : Q1730-13
Misc : 6.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Quant Time: Apr 04 23:40:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

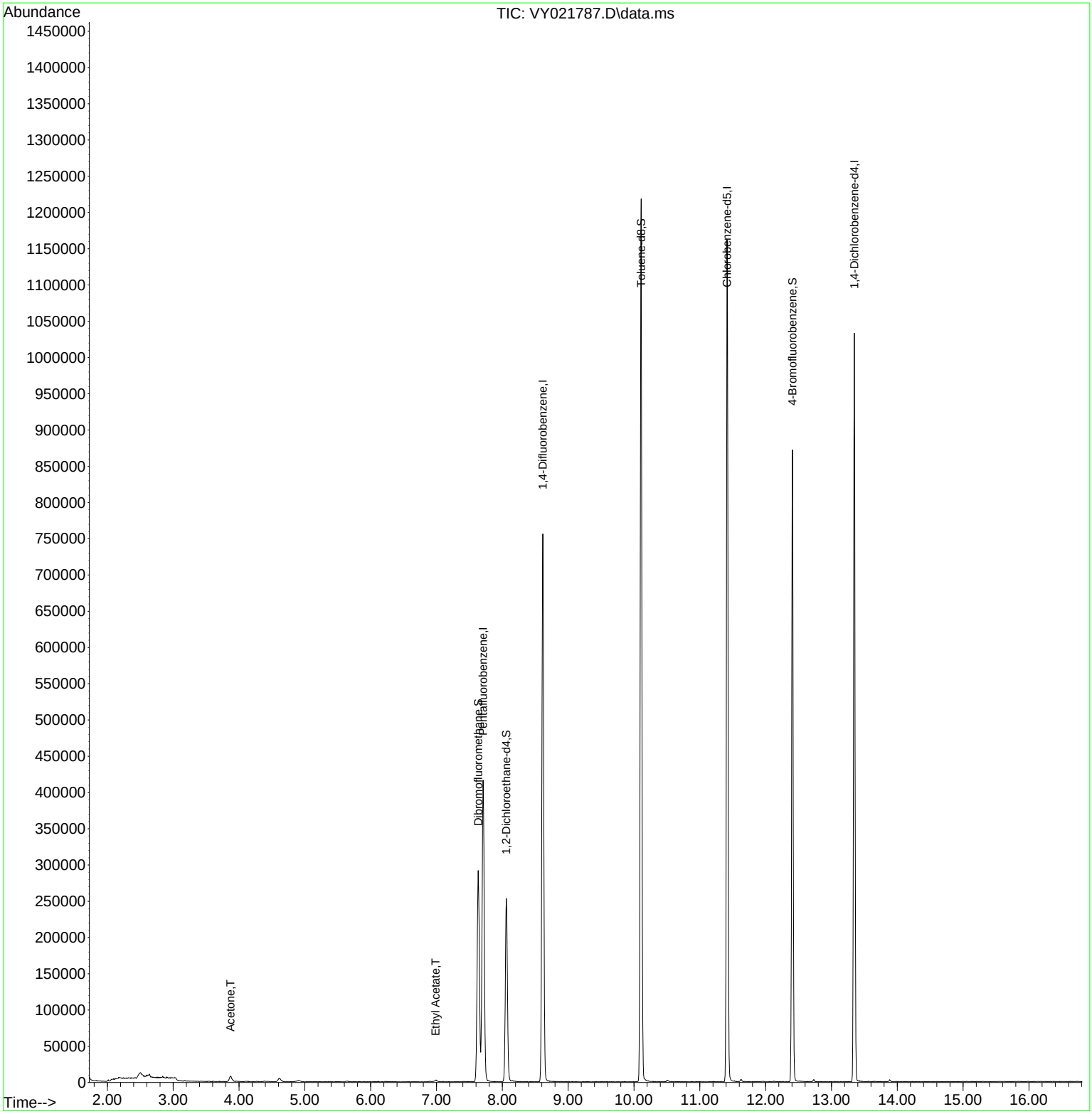
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	311584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	616656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	588608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	247734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199571	59.116	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.240%			
35) Dibromofluoromethane	7.634	113	203635	50.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.109	98	767004	50.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.800%			
62) 4-Bromofluorobenzene	12.408	95	254584	49.459	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.920%			
Target Compounds						Qvalue
16) Acetone	3.873	43	13685	19.807	ug/l	95
37) Ethyl Acetate	6.988	43	3581	1.245	ug/l	97

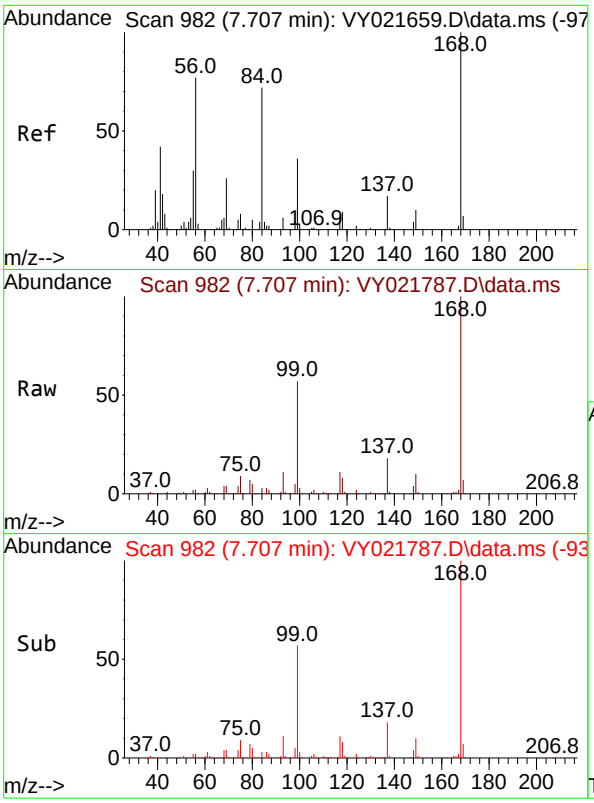
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021787.D
Acq On : 04 Apr 2025 15:47
Operator : SY/MD
Sample : Q1730-13
Misc : 6.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Quant Time: Apr 04 23:40:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



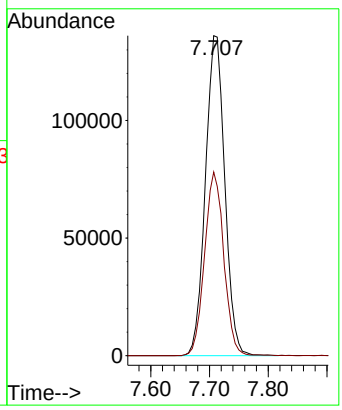


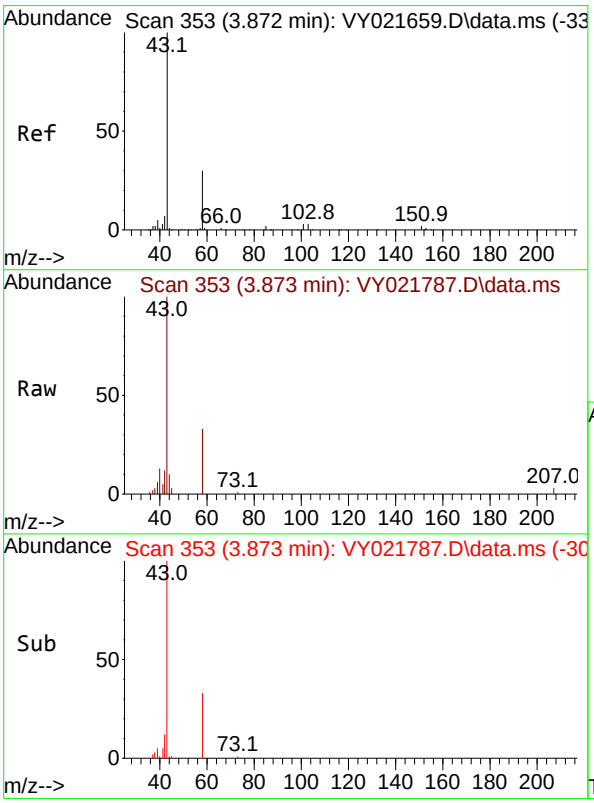
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Tgt Ion:168 Resp: 311584

Ion	Ratio	Lower	Upper
168	100		
99	57.4	46.7	70.1

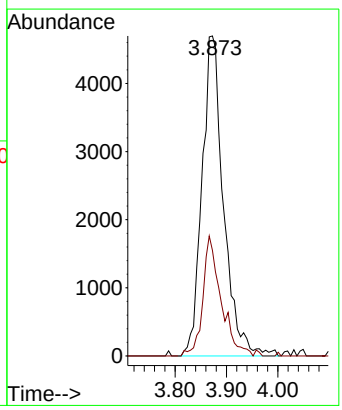


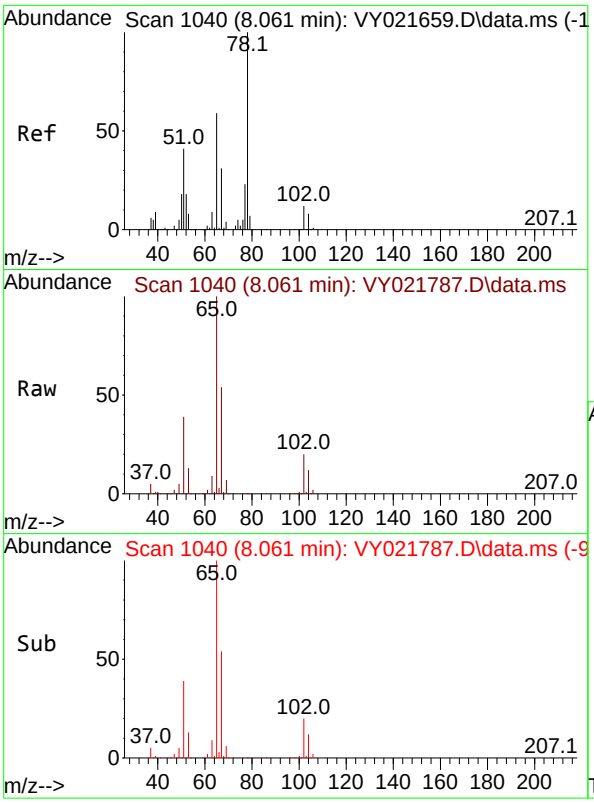


#16
Acetone
Concen: 19.807 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 43 Resp: 13685

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.2	36.4



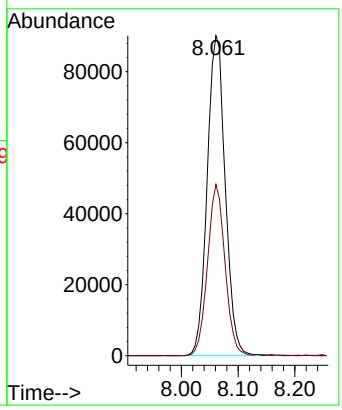


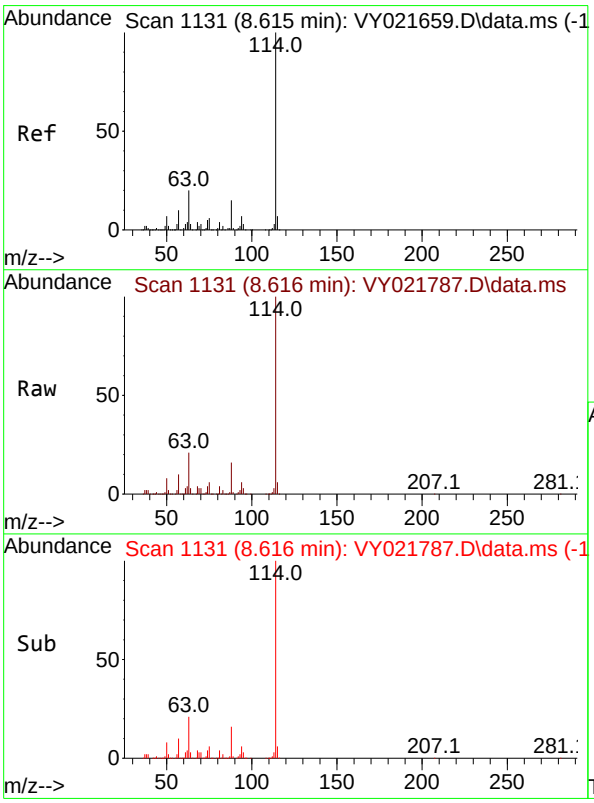
#33
1,2-Dichloroethane-d4
Concen: 59.116 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Tgt Ion: 65 Resp: 199571

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.6

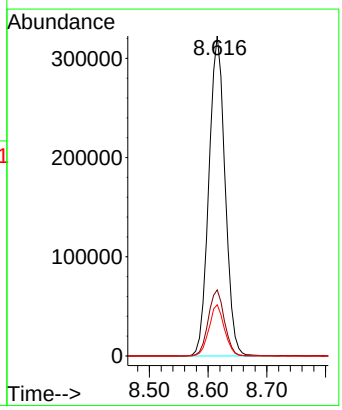


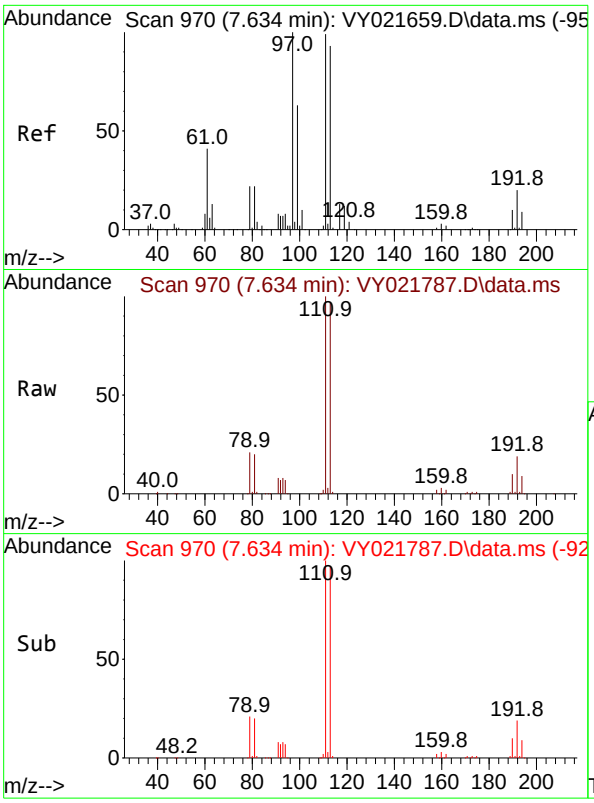


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion:114 Resp: 616656

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.2
88	16.0	0.0	29.8



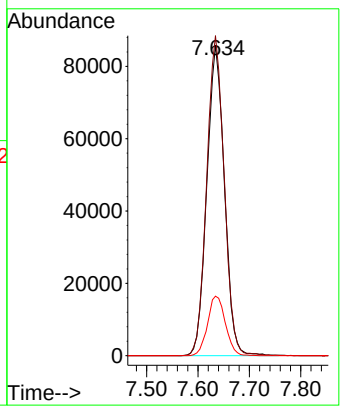


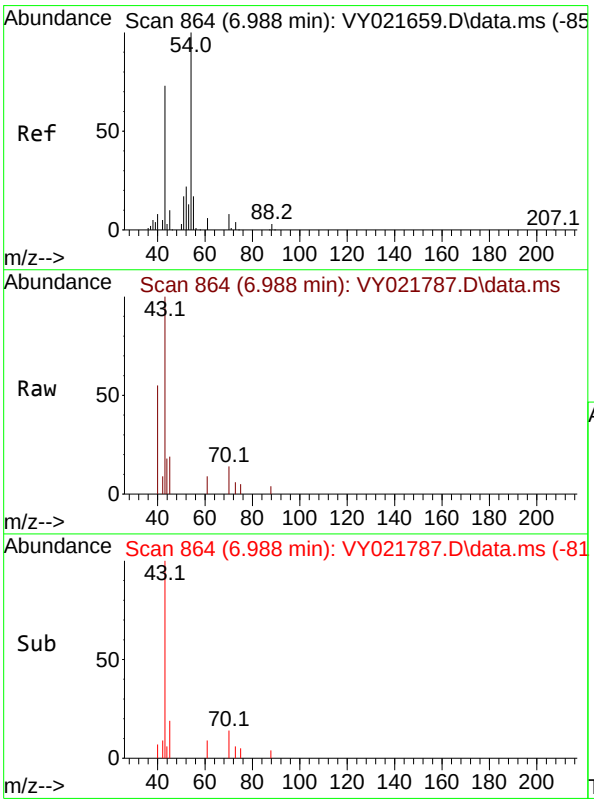
#35
Dibromofluoromethane
Concen: 50.907 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Tgt Ion:113 Resp: 203635

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	19.5	16.2	24.4

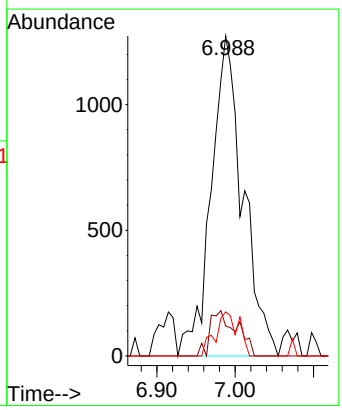


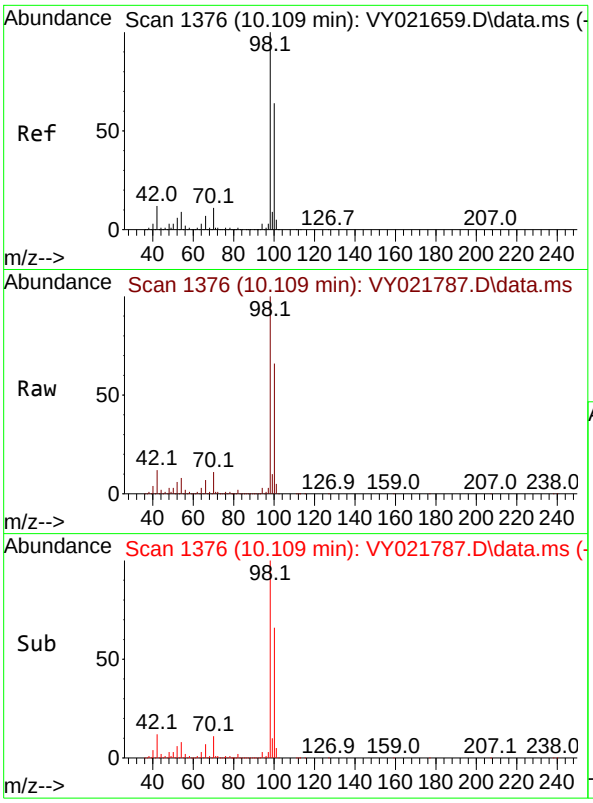


#37
Ethyl Acetate
Concen: 1.245 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 43 Resp: 3581

Ion	Ratio	Lower	Upper
43	100		
61	11.8	11.0	16.6
70	10.2	8.1	12.1



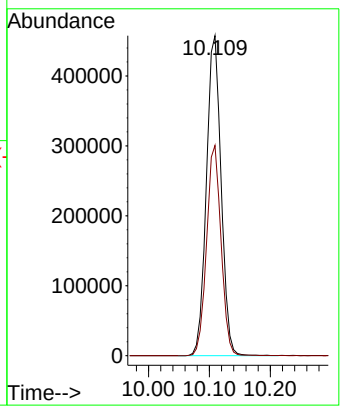


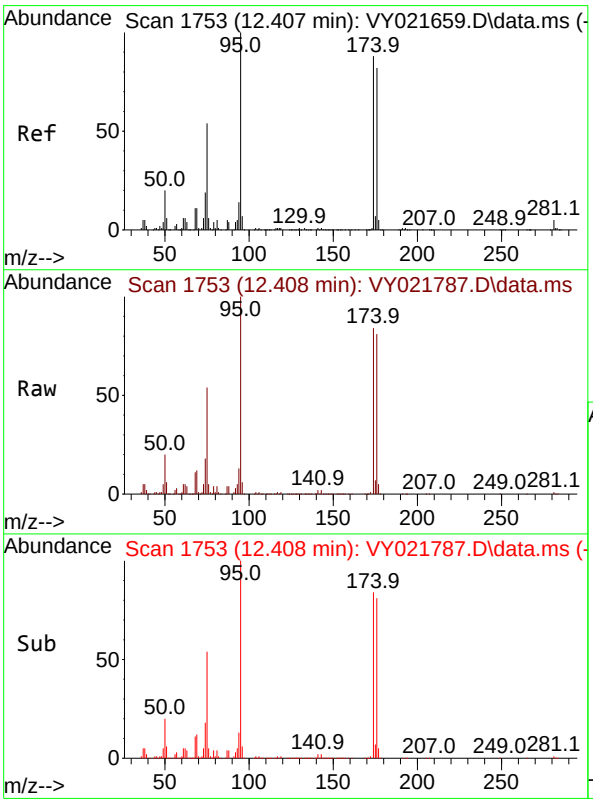
#50
Toluene-d8
Concen: 50.402 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Tgt Ion: 98 Resp: 767004

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

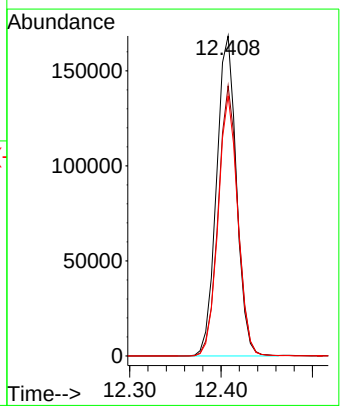


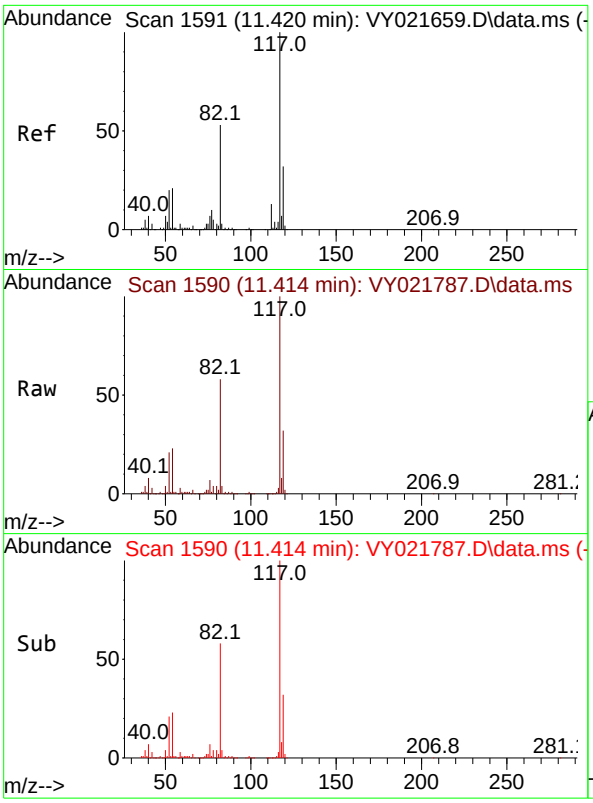


#62
4-Bromofluorobenzene
Concen: 49.459 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 95 Resp: 254584

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.8
176	80.3	0.0	162.0



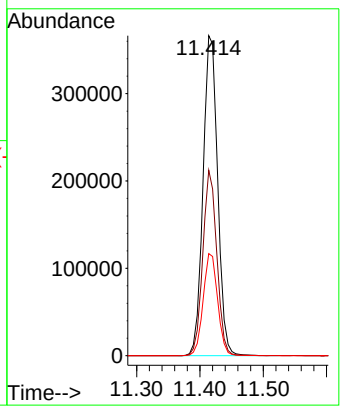


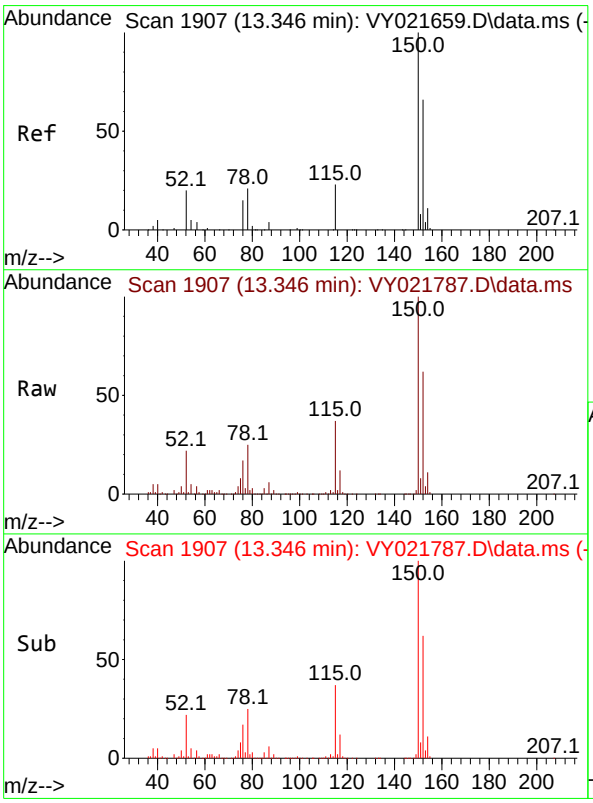
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Tgt Ion:117 Resp: 588608

Ion	Ratio	Lower	Upper
117	100		
82	58.0	42.8	64.2
119	31.9	25.7	38.5

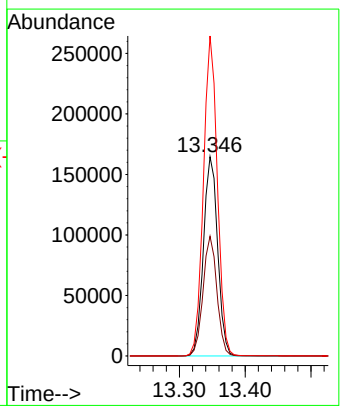




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion:152 Resp: 247734

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.5
150	157.4	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-25-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.94 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
VY021788.D	1		04/04/25 16:11	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0036	U	0.0010	0.0036	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0010	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0036	U	0.00097	0.0036	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0042	0.011	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0036	U	0.0011	0.0036	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00096	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00091	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0045	0.011	0.023	mg/Kg
67-64-1	Acetone	0.029		0.0043	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0036	U	0.00096	0.0036	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0073	U	0.0032	0.0073	0.0091	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0060	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00088	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0036	U	0.0012	0.0036	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0036	U	0.00076	0.0036	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00085	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00079	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00083	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00081	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0033	0.011	0.023	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-25-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.94 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
VY021788.D	1		04/04/25 16:11	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00084	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0034	0.011	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0023	U	0.00079	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00080	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00096	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00083	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00070	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0011	0.0046	0.0091	mg/Kg
1330-20-7	Total Xylenes	0.0069	U	0.0019	0.0069	0.014	mg/Kg
95-47-6	o-Xylene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00065	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00078	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0036	U	0.0011	0.0036	0.0046	mg/Kg
108-86-1	Bromobenzene	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
103-65-1	n-propylbenzene	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
106-43-4	4-Chlorotoluene	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
98-06-6	tert-Butylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.00058	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00056	0.0023	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0023	U	0.0016	0.0023	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0023	U	0.0014	0.0023	0.0046	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-25-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.5
Sample Wt/Vol:	5.94 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
VY021788.D	1		04/04/25 16:11	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0023	U	0.0013	0.0023	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0036	U	0.0017	0.0036	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0036	U	0.0027	0.0036	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.0017	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0036	U	0.0029	0.0036	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00096	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	321000	7.707				
540-36-3	1,4-Difluorobenzene	630000	8.616				
3114-55-4	Chlorobenzene-d5	590000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	248000	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\VY040425\
Data File : VY021788.D
Acq On : 04 Apr 2025 16:11
Operator : SY/MD
Sample : Q1730-15
Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Quant Time: Apr 04 23:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

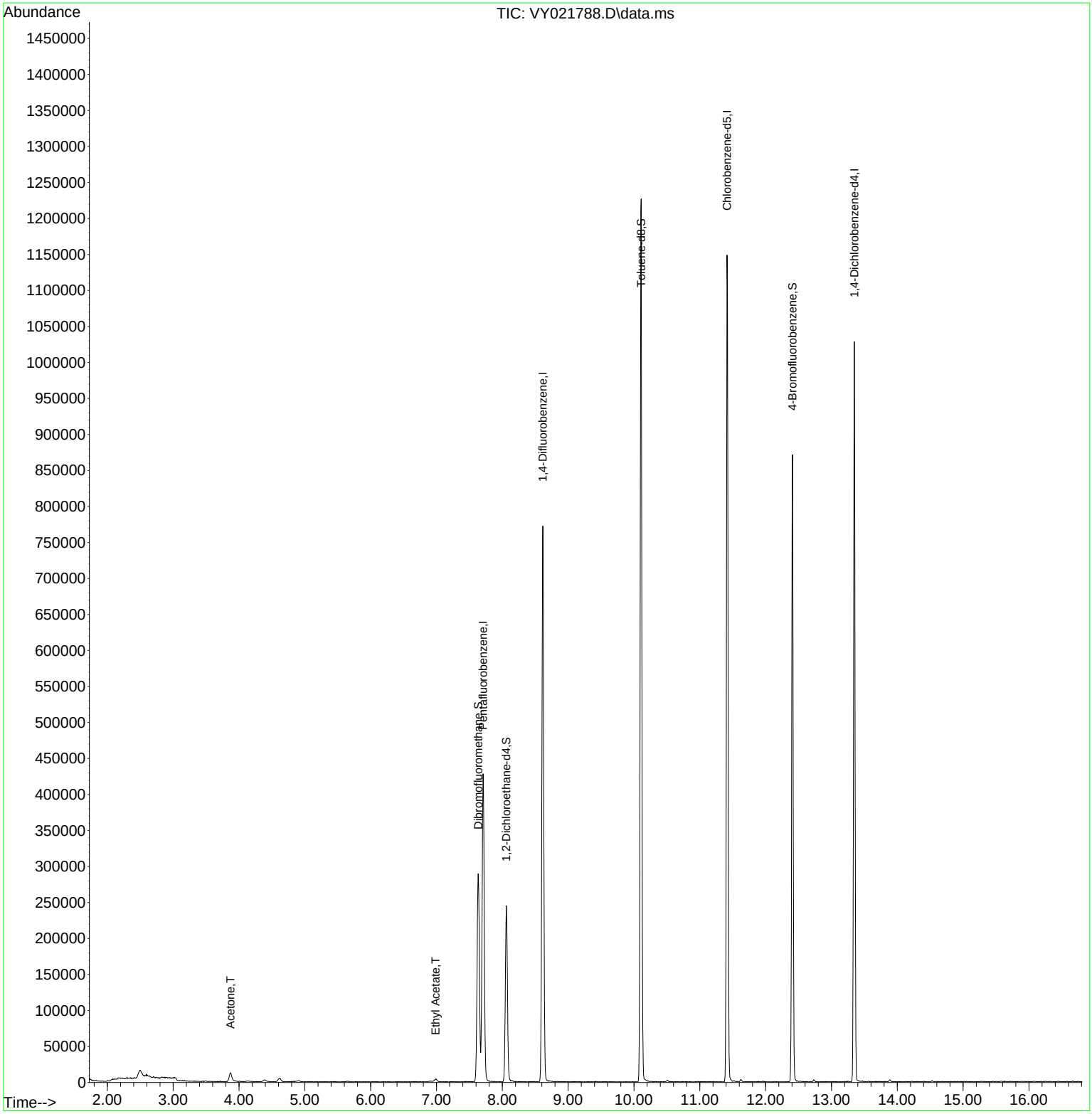
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	320565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	630114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	590211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	247639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193209	55.628	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.260%			
35) Dibromofluoromethane	7.634	113	206030	50.406	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.109	98	780046	50.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.320%			
62) 4-Bromofluorobenzene	12.408	95	255317	48.542	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
16) Acetone	3.873	43	22600	31.794	ug/l	100
37) Ethyl Acetate	6.988	43	5217	1.776	ug/l #	89

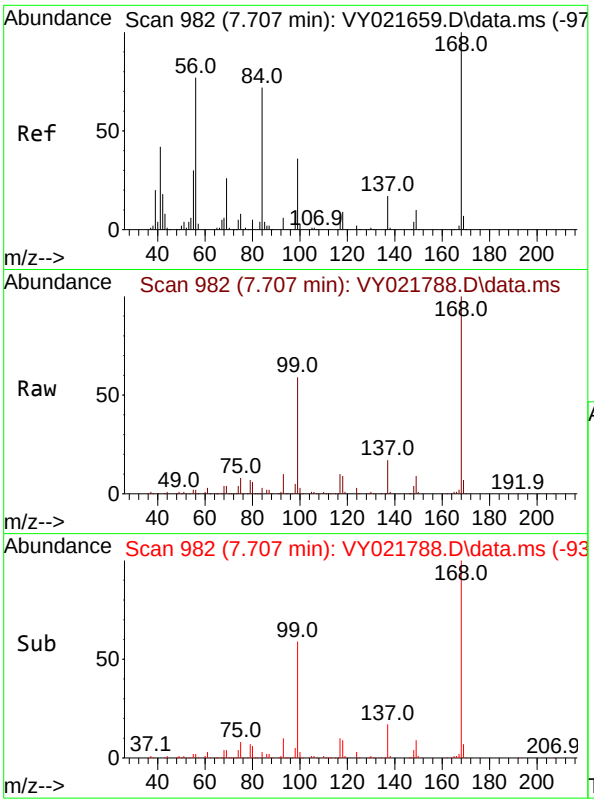
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021788.D
Acq On : 04 Apr 2025 16:11
Operator : SY/MD
Sample : Q1730-15
Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Quant Time: Apr 04 23:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



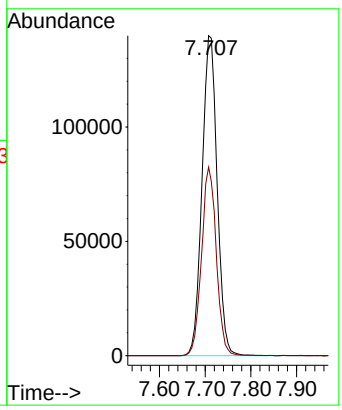


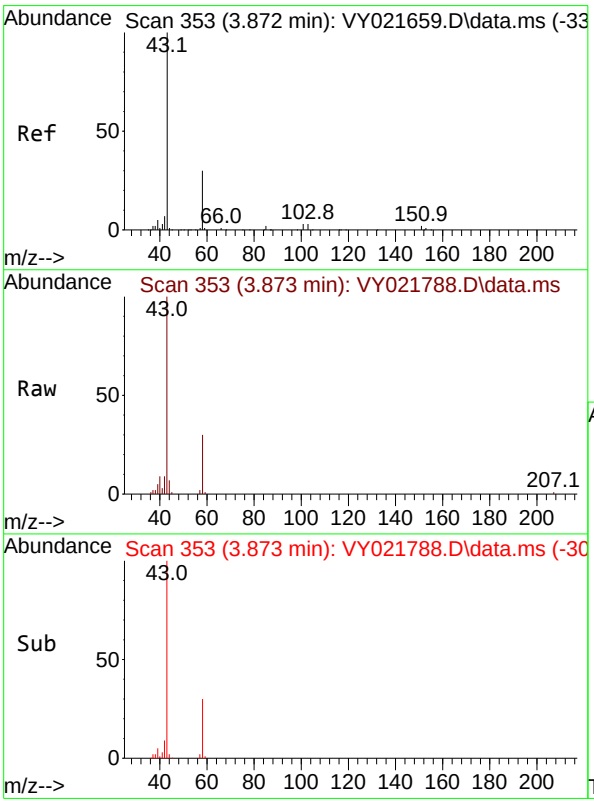
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Tgt Ion:168 Resp: 320565

Ion	Ratio	Lower	Upper
168	100		
99	58.9	46.7	70.1

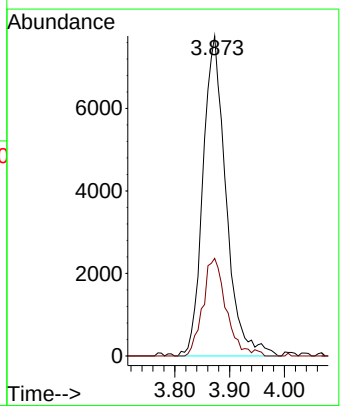


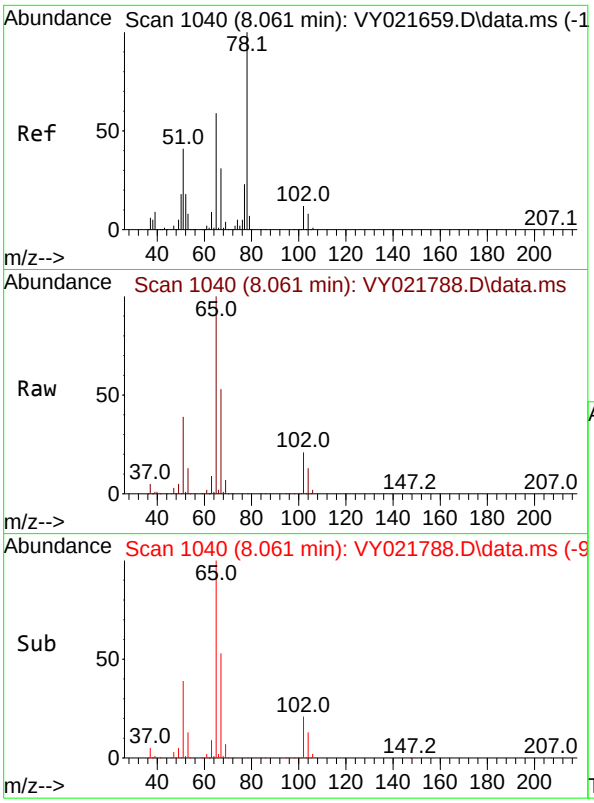


#16
Acetone
Concen: 31.794 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 43 Resp: 22600

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



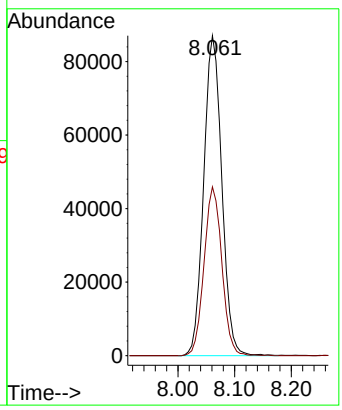


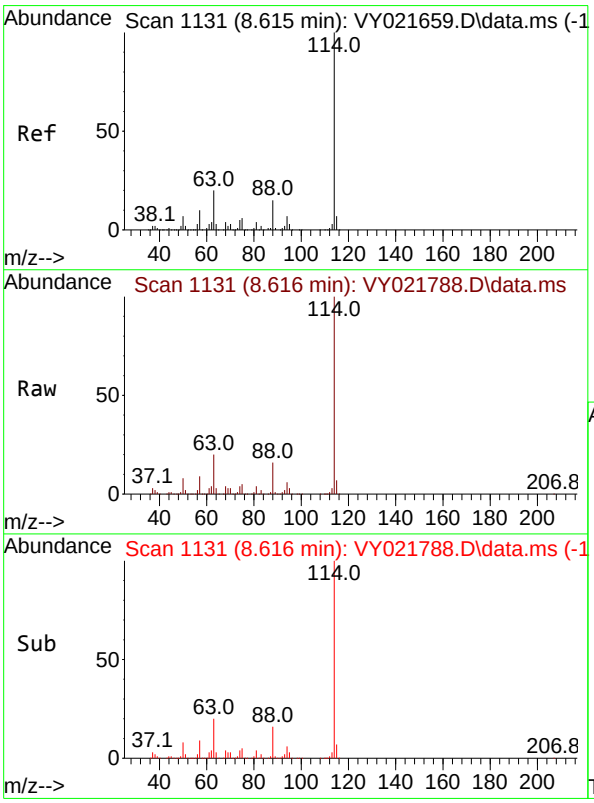
#33
1,2-Dichloroethane-d4
Concen: 55.628 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Tgt Ion: 65 Resp: 193209

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6

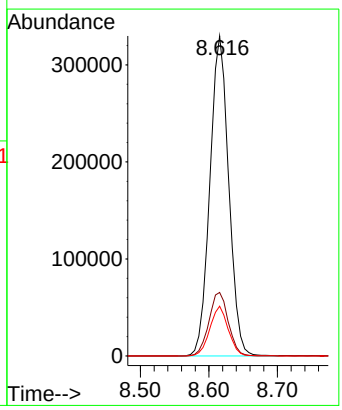


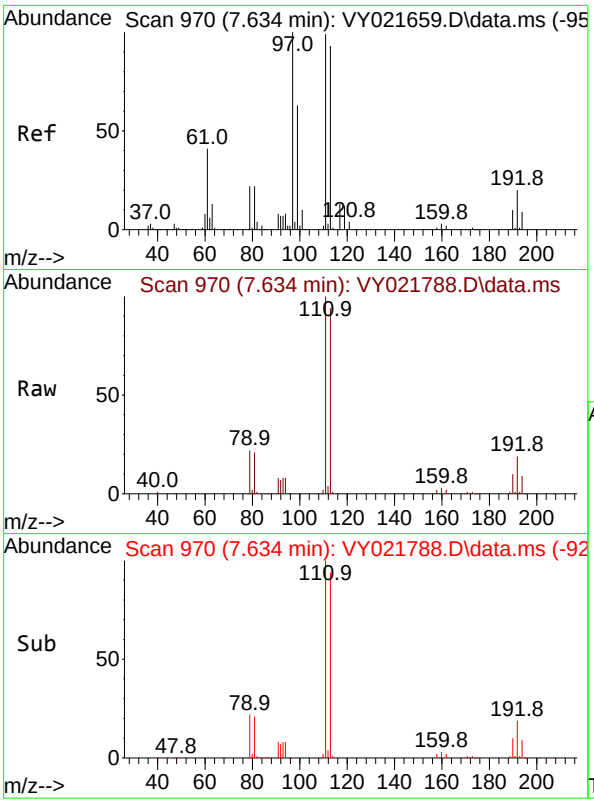


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion:114 Resp: 630114

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.2
88	15.6	0.0	29.8



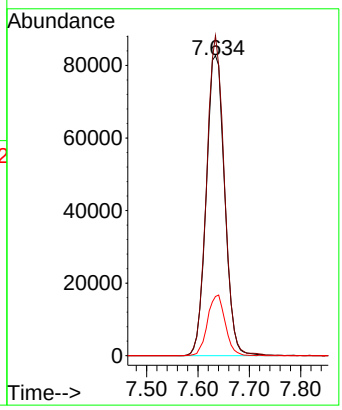


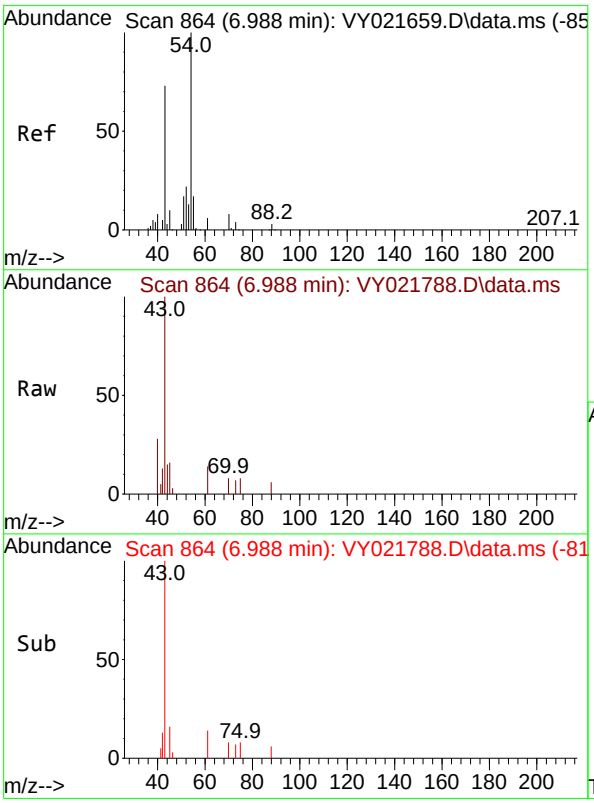
#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Tgt Ion:113 Resp: 206030

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	19.5	16.2	24.4

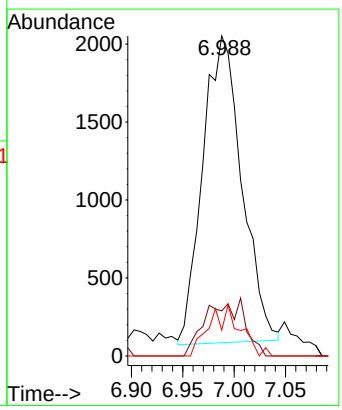


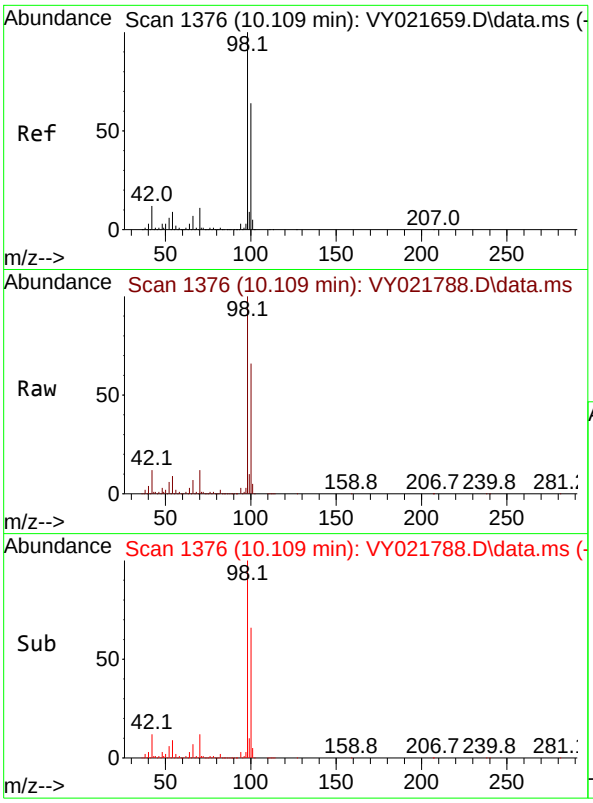


#37
Ethyl Acetate
Concen: 1.776 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 43 Resp: 5217

Ion	Ratio	Lower	Upper
43	100		
61	9.4	11.0	16.6#
70	6.3	8.1	12.1#



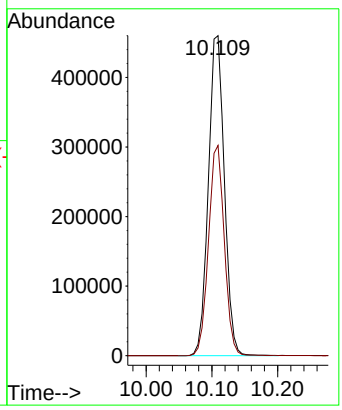


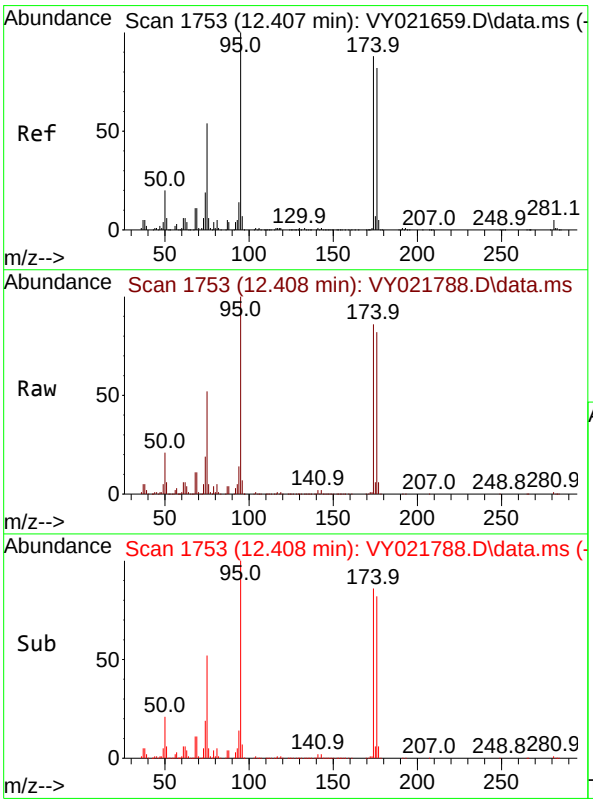
#50
Toluene-d8
Concen: 50.164 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Tgt Ion: 98 Resp: 780046

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

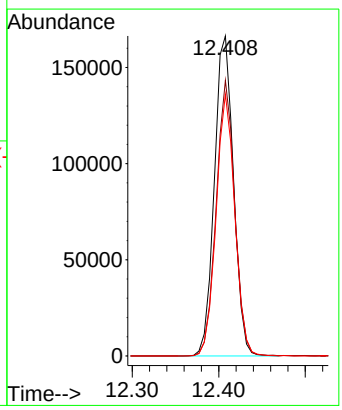


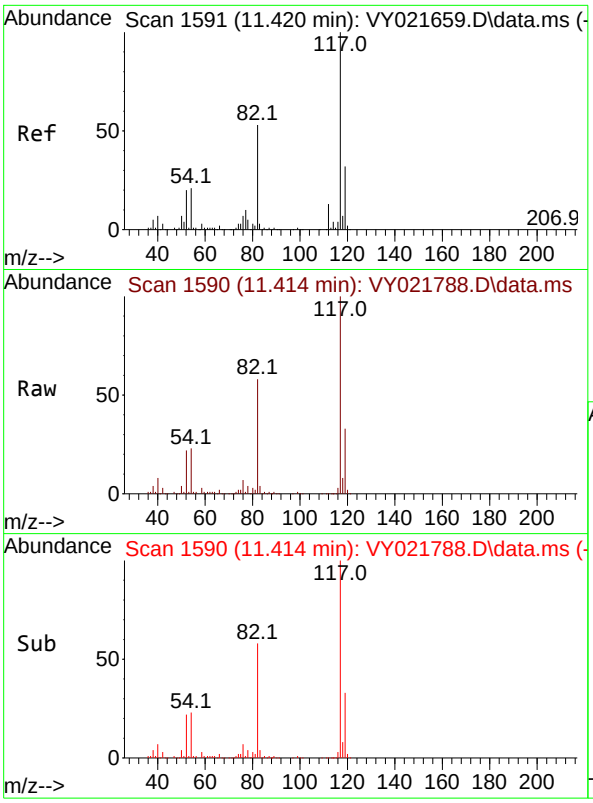


#62
4-Bromofluorobenzene
Concen: 48.542 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 95 Resp: 255317

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	79.9	0.0	162.0



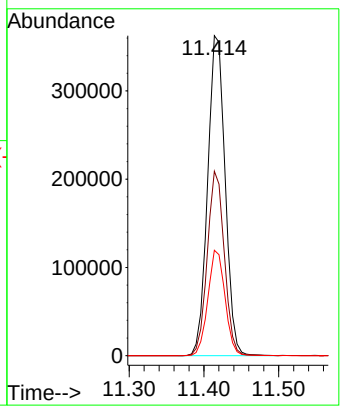


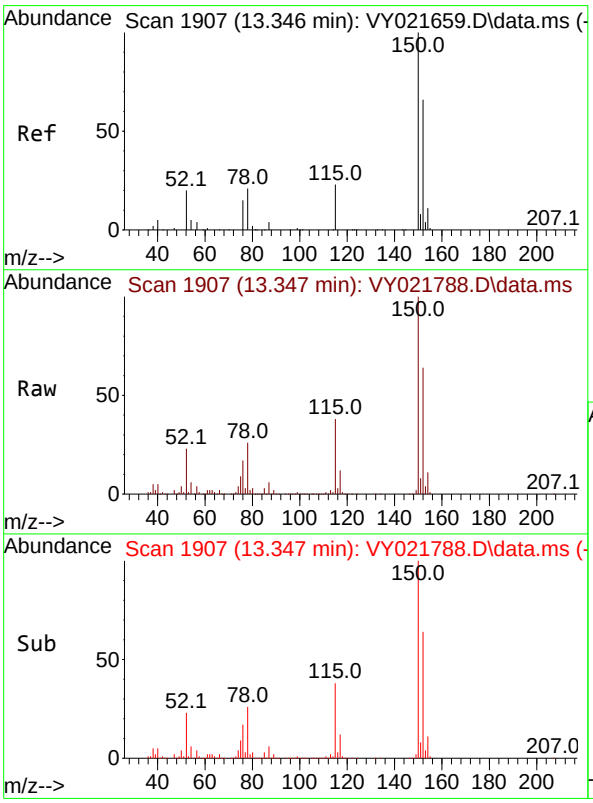
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Tgt Ion:117 Resp: 590211

Ion	Ratio	Lower	Upper
117	100		
82	57.7	42.8	64.2
119	33.0	25.7	38.5

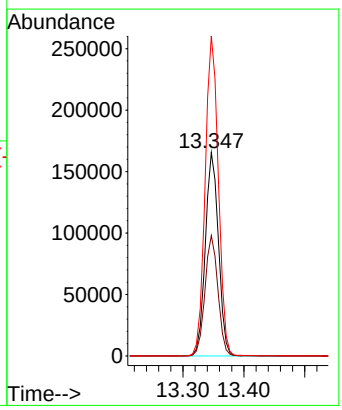




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion:152 Resp: 247639

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	158.2	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-26-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	6.29 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
VY021798.D	1		04/07/25 15:10	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0035	U	0.00098	0.0035	0.0043	mg/Kg
74-87-3	Chloromethane	0.0022	U	0.00098	0.0022	0.0043	mg/Kg
75-01-4	Vinyl Chloride	0.0022	U	0.00068	0.0022	0.0043	mg/Kg
74-83-9	Bromomethane	0.0035	U	0.00092	0.0035	0.0043	mg/Kg
75-00-3	Chloroethane	0.0022	U	0.0011	0.0022	0.0043	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0040	0.011	0.022	mg/Kg
75-69-4	Trichlorofluoromethane	0.0035	U	0.0010	0.0035	0.0043	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0022	U	0.00091	0.0022	0.0043	mg/Kg
75-35-4	1,1-Dichloroethene	0.0022	U	0.00086	0.0022	0.0043	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0043	0.011	0.022	mg/Kg
67-64-1	Acetone	0.10		0.0041	0.017	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.0035	U	0.00091	0.0035	0.0043	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0022	U	0.00063	0.0022	0.0043	mg/Kg
75-09-2	Methylene Chloride	0.0069	U	0.0030	0.0069	0.0086	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0022	U	0.00074	0.0022	0.0043	mg/Kg
75-34-3	1,1-Dichloroethane	0.0022	U	0.00069	0.0022	0.0043	mg/Kg
78-93-3	2-Butanone	0.017	U	0.0056	0.017	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.0022	U	0.00084	0.0022	0.0043	mg/Kg
594-20-7	2,2-Dichloropropane	0.0035	U	0.0011	0.0035	0.0043	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0022	U	0.00065	0.0022	0.0043	mg/Kg
67-66-3	Chloroform	0.0035	U	0.00073	0.0035	0.0043	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0022	U	0.00080	0.0022	0.0043	mg/Kg
563-58-6	1,1-Dichloropropene	0.0022	U	0.00075	0.0022	0.0043	mg/Kg
71-43-2	Benzene	0.0022	U	0.00068	0.0022	0.0043	mg/Kg
107-06-2	1,2-Dichloroethane	0.0022	U	0.00068	0.0022	0.0043	mg/Kg
79-01-6	Trichloroethene	0.0022	U	0.00070	0.0022	0.0043	mg/Kg
78-87-5	1,2-Dichloropropane	0.0022	U	0.00079	0.0022	0.0043	mg/Kg
74-95-3	Dibromomethane	0.0022	U	0.00077	0.0022	0.0043	mg/Kg
75-27-4	Bromodichloromethane	0.0022	U	0.00067	0.0022	0.0043	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0031	0.011	0.022	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-26-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	6.29 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
VY021798.D	1		04/07/25 15:10	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0022	U	0.00067	0.0022	0.0043	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0022	U	0.00056	0.0022	0.0043	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	0.00054	0.0022	0.0043	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0022	U	0.00079	0.0022	0.0043	mg/Kg
142-28-9	1,3-Dichloropropane	0.0022	U	0.00059	0.0022	0.0043	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0032	0.011	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.0022	U	0.00075	0.0022	0.0043	mg/Kg
106-93-4	1,2-Dibromoethane	0.0022	U	0.00076	0.0022	0.0043	mg/Kg
127-18-4	Tetrachloroethene	0.0022	U	0.00091	0.0022	0.0043	mg/Kg
108-90-7	Chlorobenzene	0.0022	U	0.00079	0.0022	0.0043	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0022	U	0.00066	0.0022	0.0043	mg/Kg
100-41-4	Ethyl Benzene	0.0022	U	0.00058	0.0022	0.0043	mg/Kg
179601-23-1	m/p-Xylenes	0.0043	U	0.0011	0.0043	0.0086	mg/Kg
1330-20-7	Total Xylenes	0.0065	U	0.0018	0.0065	0.013	mg/Kg
95-47-6	o-Xylene	0.0022	U	0.00071	0.0022	0.0043	mg/Kg
100-42-5	Styrene	0.0022	U	0.00061	0.0022	0.0043	mg/Kg
75-25-2	Bromoform	0.0022	U	0.00074	0.0022	0.0043	mg/Kg
98-82-8	Isopropylbenzene	0.0022	U	0.00067	0.0022	0.0043	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	0.0010	0.0022	0.0043	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0035	U	0.0011	0.0035	0.0043	mg/Kg
108-86-1	Bromobenzene	0.0022	U	0.0010	0.0022	0.0043	mg/Kg
103-65-1	n-propylbenzene	0.0022	U	0.00063	0.0022	0.0043	mg/Kg
95-49-8	2-Chlorotoluene	0.0022	U	0.00059	0.0022	0.0043	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0022	U	0.00071	0.0022	0.0043	mg/Kg
106-43-4	4-Chlorotoluene	0.0022	U	0.0011	0.0022	0.0043	mg/Kg
98-06-6	tert-Butylbenzene	0.0022	U	0.00058	0.0022	0.0043	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0022	U	0.00055	0.0022	0.0043	mg/Kg
135-98-8	sec-Butylbenzene	0.0022	U	0.00057	0.0022	0.0043	mg/Kg
99-87-6	p-Isopropyltoluene	0.0022	U	0.00054	0.0022	0.0043	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0022	U	0.0015	0.0022	0.0043	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0022	U	0.0013	0.0022	0.0043	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-26-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	6.29 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
VY021798.D	1		04/07/25 15:10	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0022	U	0.0013	0.0022	0.0043	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0022	U	0.0013	0.0022	0.0043	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0035	U	0.0016	0.0035	0.0043	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0035	U	0.0026	0.0035	0.0043	mg/Kg
87-68-3	Hexachlorobutadiene	0.0022	U	0.0016	0.0022	0.0043	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0035	U	0.0027	0.0035	0.0043	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0022	U	0.00091	0.0022	0.0043	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	49.3		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	7.713				
540-36-3	1,4-Difluorobenzene	308000	8.616				
3114-55-4	Chlorobenzene-d5	258000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.352				

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\VY040725\
Data File : VY021798.D
Acq On : 07 Apr 2025 15:10
Operator : SY/MD
Sample : Q1730-17
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Quant Time: Apr 08 03:33:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

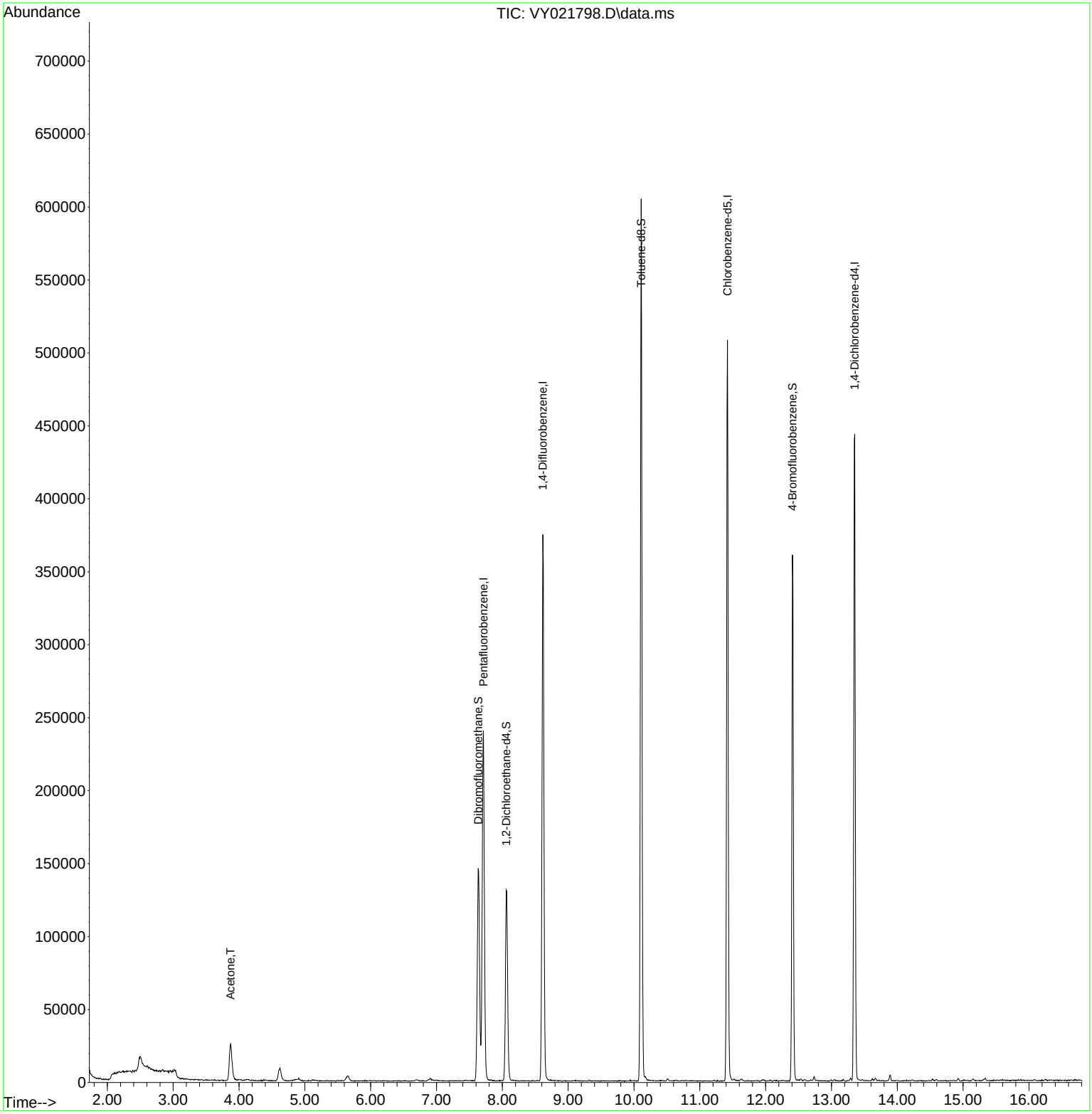
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	178880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	258255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	113263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107247	55.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.680%			
35) Dibromofluoromethane	7.634	113	103916	52.088	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.180%			
50) Toluene-d8	10.109	98	374466	49.339	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.680%			
62) 4-Bromofluorobenzene	12.408	95	107009	41.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.360%			
Target Compounds						Qvalue
16) Acetone	3.872	43	46046	116.086	ug/l	97

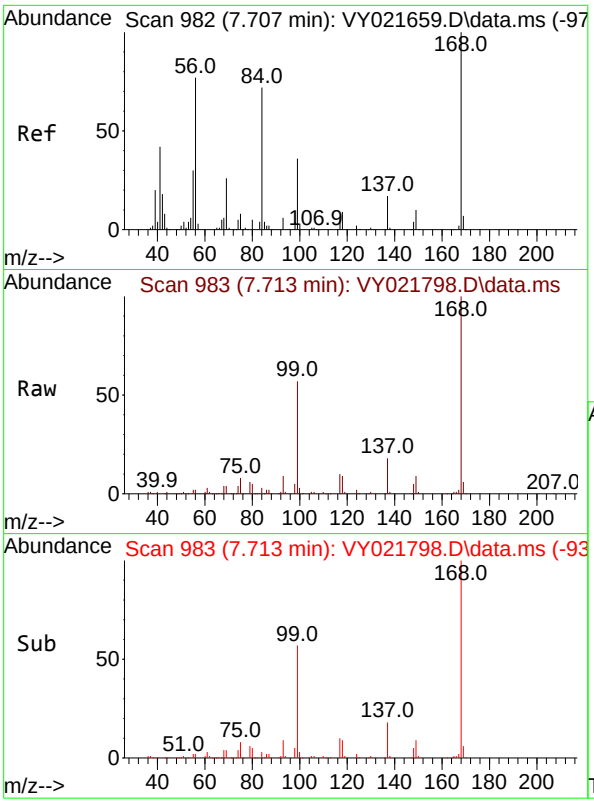
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021798.D
Acq On : 07 Apr 2025 15:10
Operator : SY/MD
Sample : Q1730-17
Misc : 6.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Quant Time: Apr 08 03:33:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



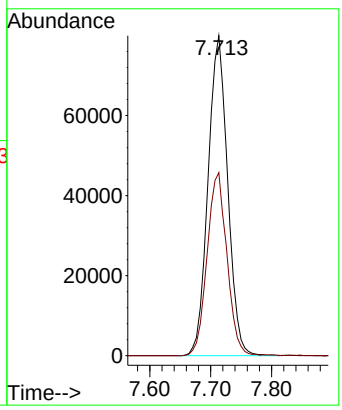


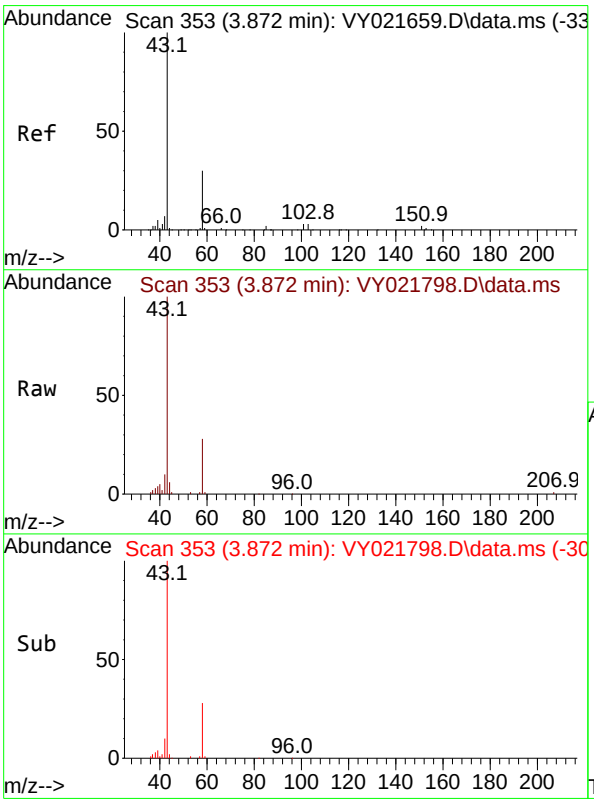
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Tgt Ion:168 Resp: 178880

Ion	Ratio	Lower	Upper
168	100		
99	57.2	46.7	70.1

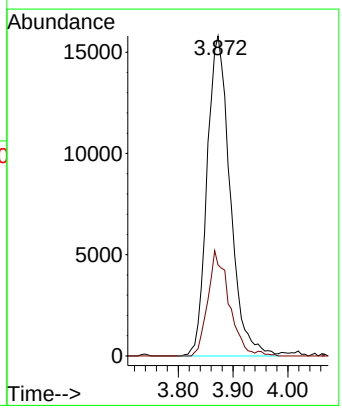


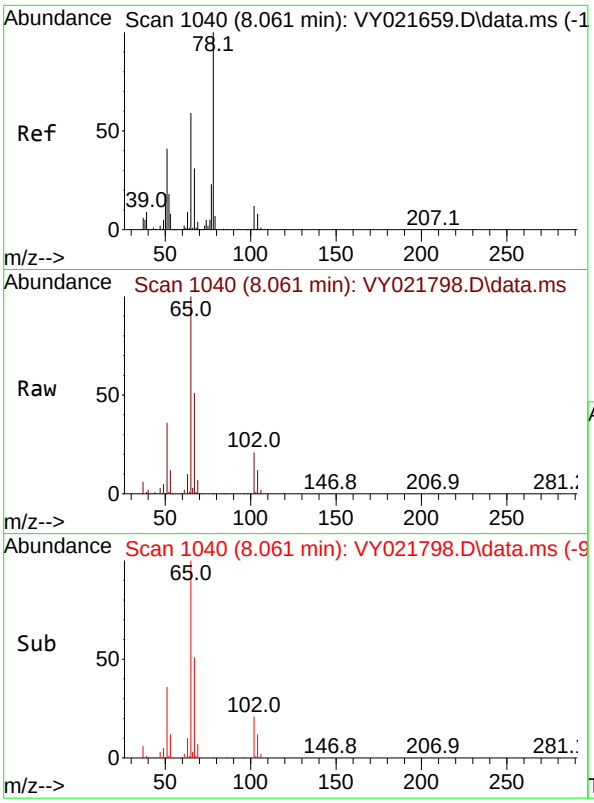


#16
Acetone
Concen: 116.086 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Tgt Ion: 43 Resp: 46046

Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.2	36.4



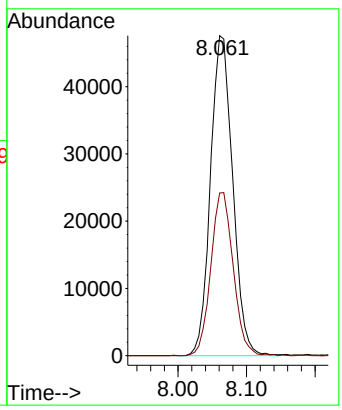


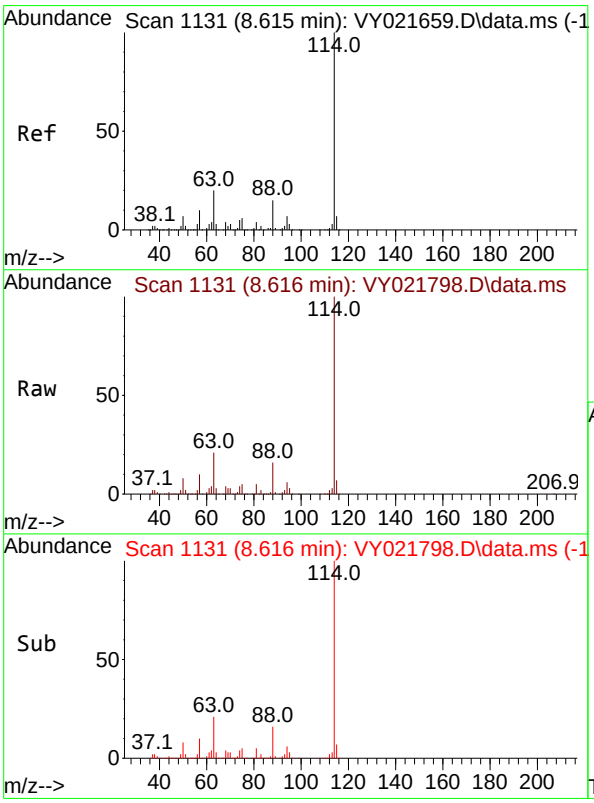
#33
1,2-Dichloroethane-d4
Concen: 55.336 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Tgt Ion: 65 Resp: 107247

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6

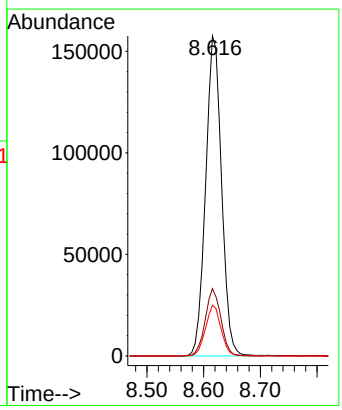


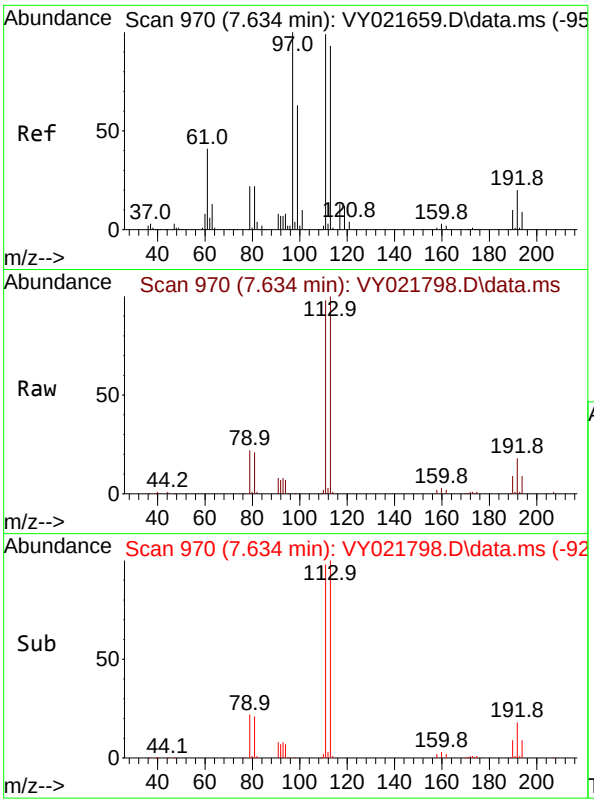


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Tgt Ion:114 Resp: 307549

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.2
88	15.8	0.0	29.8



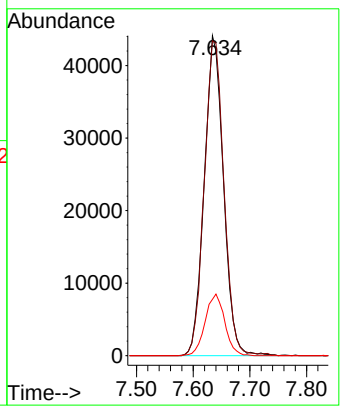


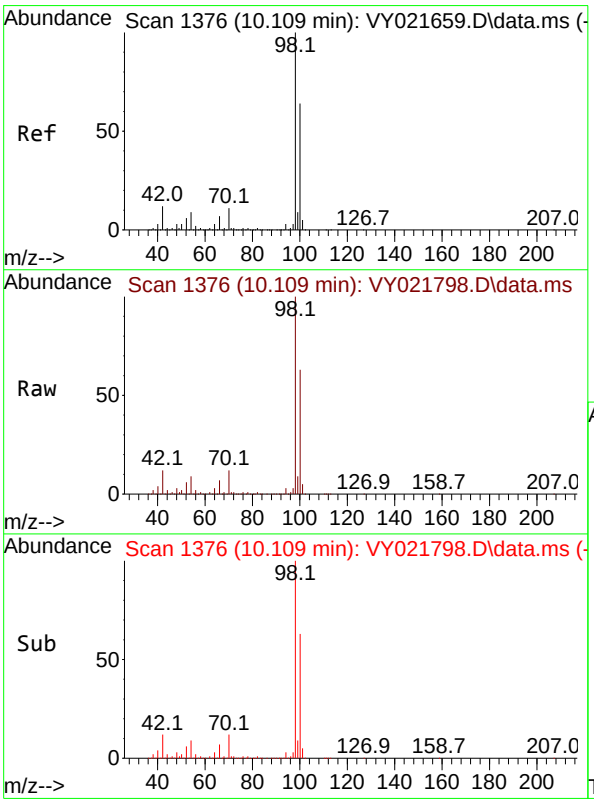
#35
Dibromofluoromethane
Concen: 52.088 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Tgt Ion:113 Resp: 103916

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	19.6	16.2	24.4

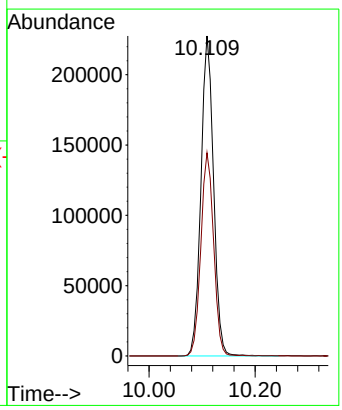


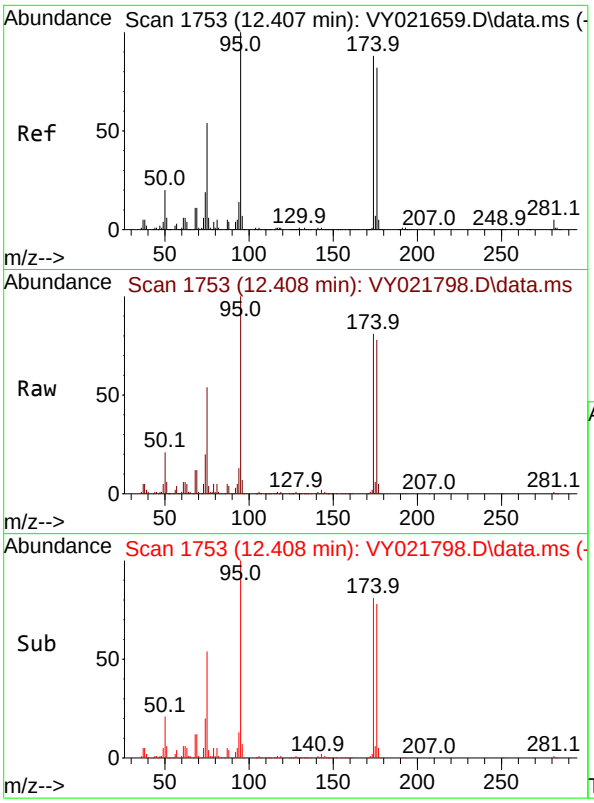


#50
Toluene-d8
Concen: 49.339 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Tgt Ion: 98 Resp: 374466

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1



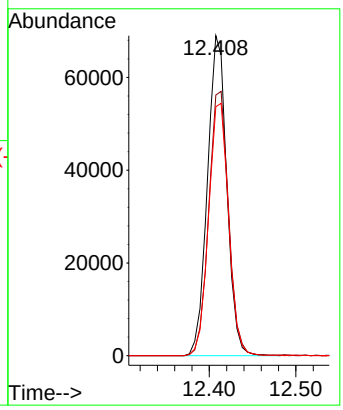


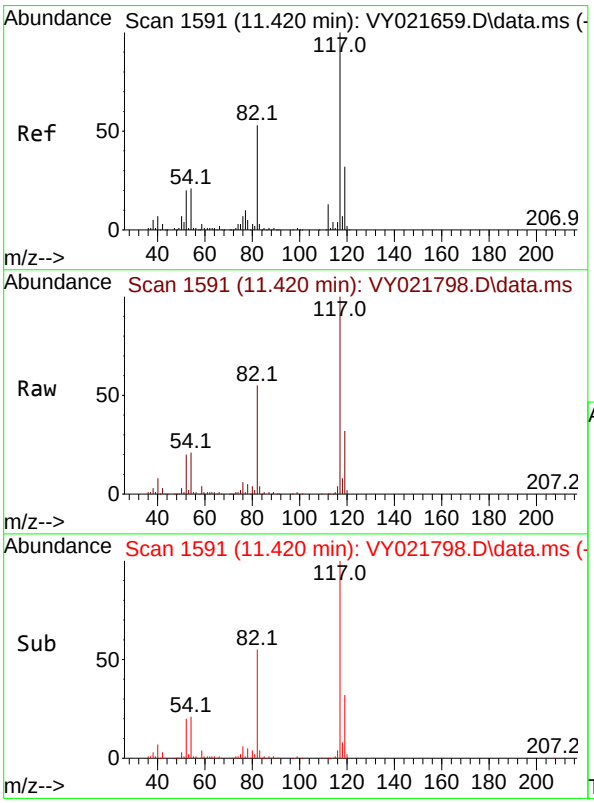
#62
4-Bromofluorobenzene
Concen: 41.684 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Tgt Ion: 95 Resp: 107009

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.8
176	81.8	0.0	162.0

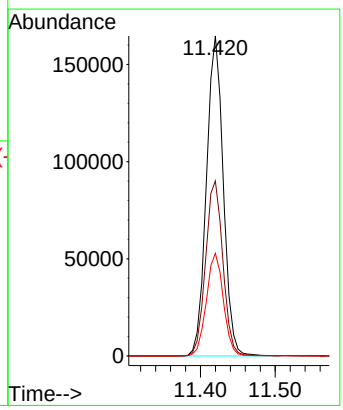


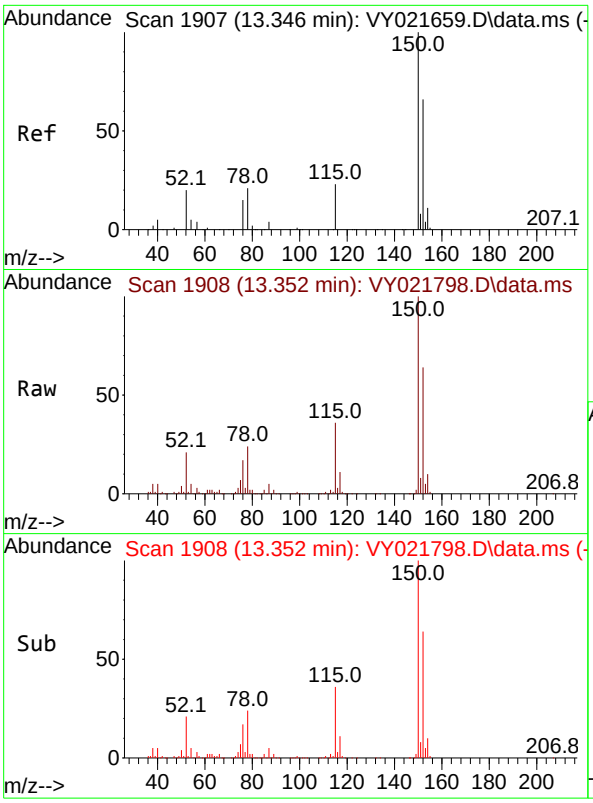


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Tgt Ion:117 Resp: 258255

Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.8	64.2
119	32.1	25.7	38.5



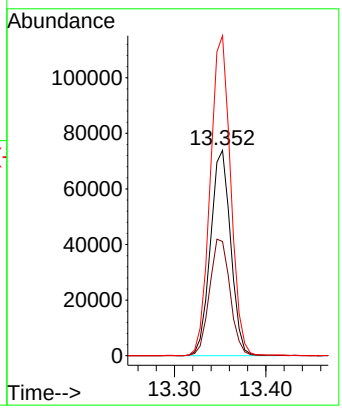


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021798.D
Acq: 07 Apr 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-26-040325

Tgt Ion:152 Resp: 113263

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.8	86.5
150	157.0	0.0	348.4



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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-CF-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.9
Sample Wt/Vol:	5.48 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
VY021799.D	1		04/07/25 15:32	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0039	U	0.0011	0.0039	0.0049	mg/Kg
74-87-3	Chloromethane	0.0024	U	0.0011	0.0024	0.0049	mg/Kg
75-01-4	Vinyl Chloride	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
74-83-9	Bromomethane	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
75-00-3	Chloroethane	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0045	0.012	0.024	mg/Kg
75-69-4	Trichlorofluoromethane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00097	0.0024	0.0049	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0048	0.012	0.024	mg/Kg
67-64-1	Acetone	0.017	J	0.0046	0.019	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0039	U	0.0010	0.0039	0.0049	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00071	0.0024	0.0049	mg/Kg
75-09-2	Methylene Chloride	0.0078	U	0.0034	0.0078	0.0097	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00084	0.0024	0.0049	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00078	0.0024	0.0049	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0064	0.019	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00094	0.0024	0.0049	mg/Kg
594-20-7	2,2-Dichloropropane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00073	0.0024	0.0049	mg/Kg
67-66-3	Chloroform	0.0039	U	0.00082	0.0039	0.0049	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00090	0.0024	0.0049	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00085	0.0024	0.0049	mg/Kg
71-43-2	Benzene	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00077	0.0024	0.0049	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00079	0.0024	0.0049	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00088	0.0024	0.0049	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00086	0.0024	0.0049	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0035	0.012	0.024	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-CF-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.9
Sample Wt/Vol:	5.48 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
VY021799.D	1		04/07/25 15:32	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00063	0.0024	0.0049	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00089	0.0024	0.0049	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00066	0.0024	0.0049	mg/Kg
591-78-6	2-Hexanone	0.012	U	0.0036	0.012	0.024	mg/Kg
124-48-1	Dibromochloromethane	0.0024	U	0.00085	0.0024	0.0049	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00086	0.0024	0.0049	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00088	0.0024	0.0049	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00075	0.0024	0.0049	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
179601-23-1	m/p-Xylenes	0.0049	U	0.0012	0.0049	0.0097	mg/Kg
1330-20-7	Total Xylenes	0.0073	U	0.0020	0.0073	0.015	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00080	0.0024	0.0049	mg/Kg
100-42-5	Styrene	0.0024	U	0.00069	0.0024	0.0049	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00084	0.0024	0.0049	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00076	0.0024	0.0049	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0039	U	0.0012	0.0039	0.0049	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00071	0.0024	0.0049	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00066	0.0024	0.0049	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00080	0.0024	0.0049	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.0012	0.0024	0.0049	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00065	0.0024	0.0049	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.00062	0.0024	0.0049	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00064	0.0024	0.0049	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00060	0.0024	0.0049	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.0017	0.0024	0.0049	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.0015	0.0024	0.0049	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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-CF-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.9
Sample Wt/Vol:	5.48 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
VY021799.D	1		04/07/25 15:32	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.0014	0.0024	0.0049	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.0014	0.0024	0.0049	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0039	U	0.0018	0.0039	0.0049	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0039	U	0.0029	0.0039	0.0049	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.0018	0.0024	0.0049	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0039	U	0.0031	0.0039	0.0049	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.0010	0.0024	0.0049	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.8		71 - 136		126%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	51.9		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	156000	7.707				
540-36-3	1,4-Difluorobenzene	278000	8.616				
3114-55-4	Chlorobenzene-d5	243000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	107000	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\VY040725\
Data File : VY021799.D
Acq On : 07 Apr 2025 15:32
Operator : SY/MD
Sample : Q1730-19
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Quant Time: Apr 08 03:34:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

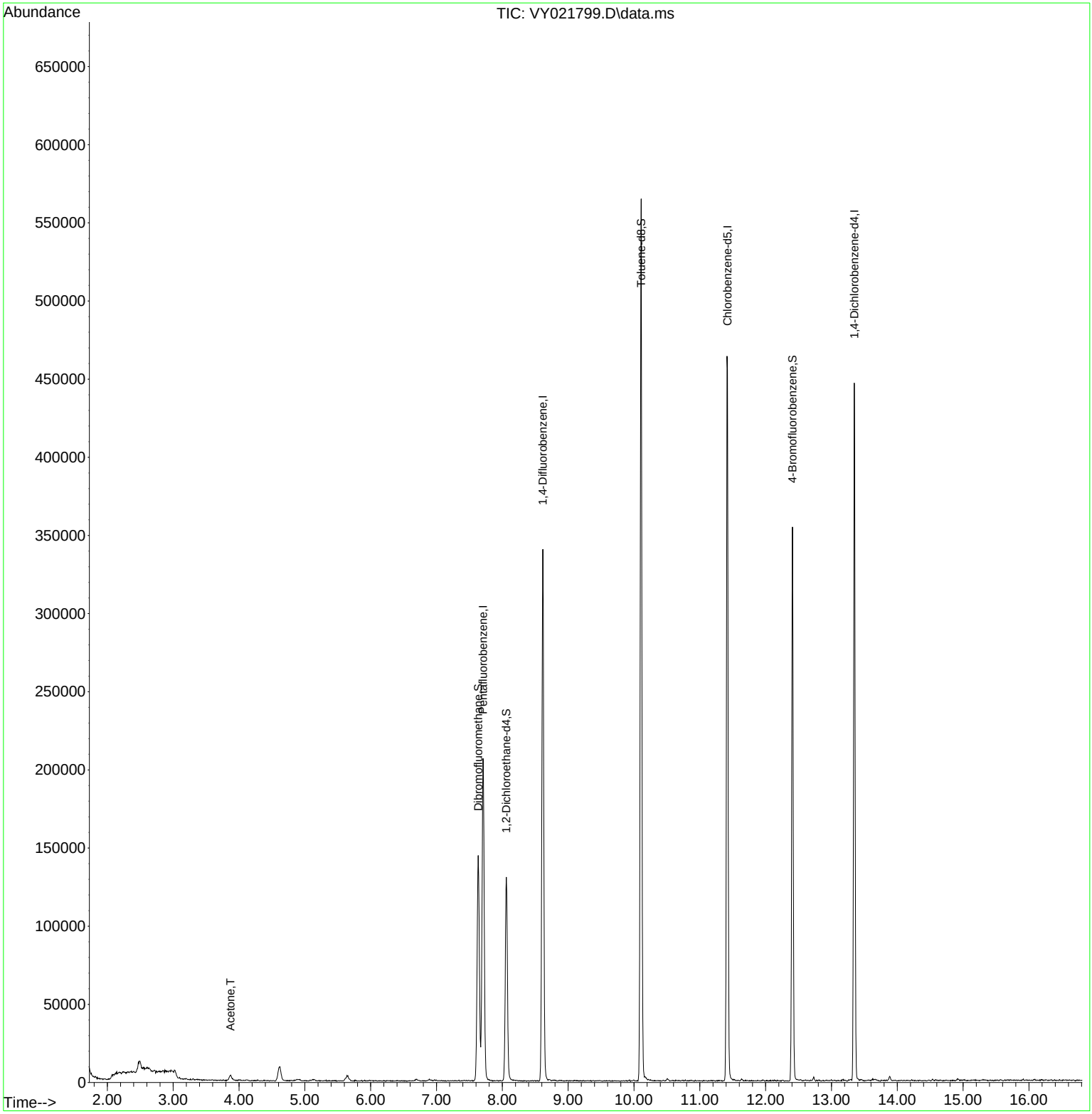
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	155604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	277750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	243254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	107208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105846	62.782	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.560%			
35) Dibromofluoromethane	7.634	113	100831	55.964	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.920%			
50) Toluene-d8	10.109	98	355519	51.868	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.408	95	104888	45.241	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.480%			
Target Compounds						Qvalue
16) Acetone	3.873	43	6057	17.554	ug/l #	85

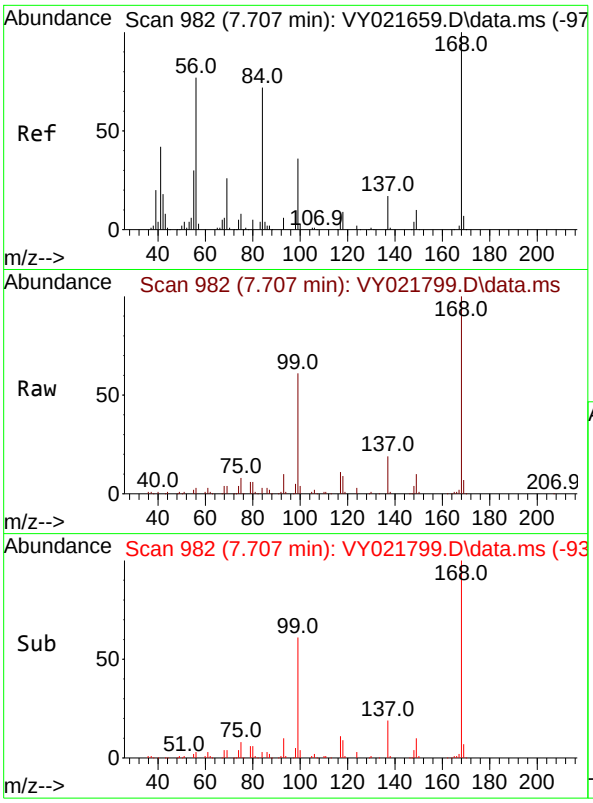
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021799.D
Acq On : 07 Apr 2025 15:32
Operator : SY/MD
Sample : Q1730-19
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Quant Time: Apr 08 03:34:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



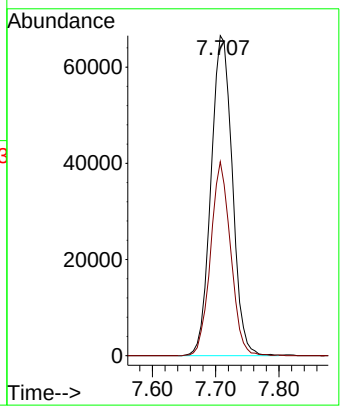


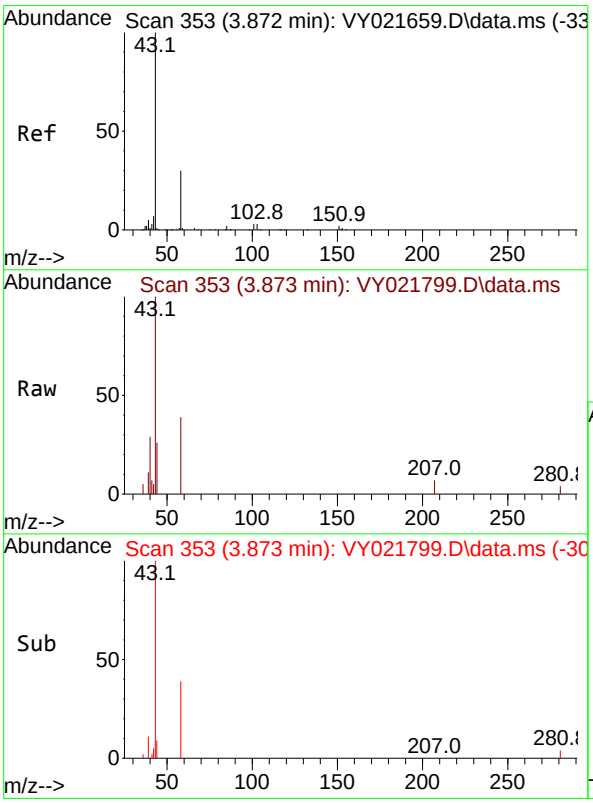
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Tgt Ion:168 Resp: 155604

Ion	Ratio	Lower	Upper
168	100		
99	60.6	46.7	70.1

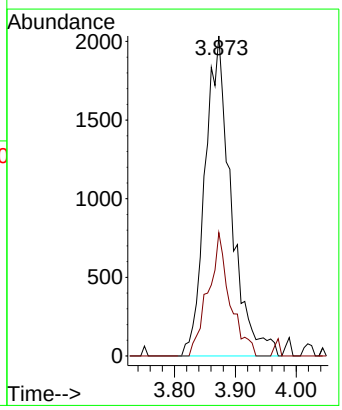


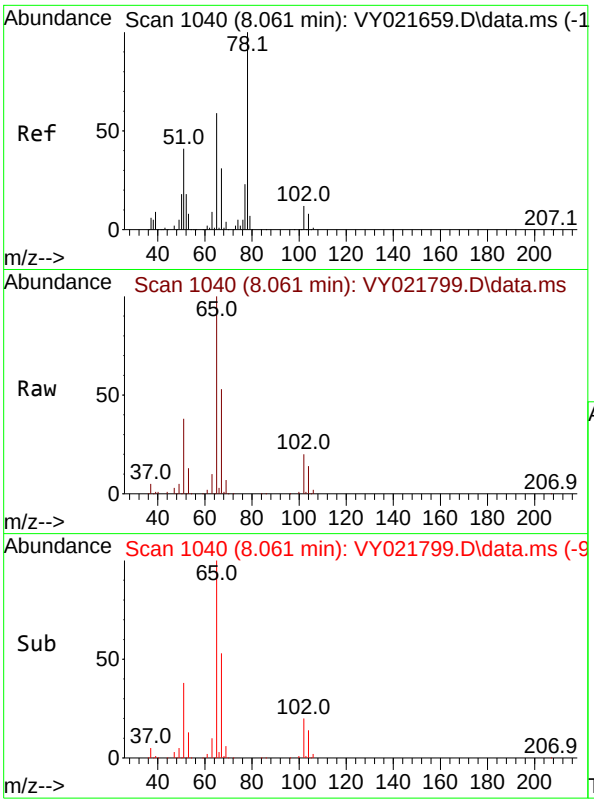


#16
Acetone
Concen: 17.554 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion: 43 Resp: 6057

Ion	Ratio	Lower	Upper
43	100		
58	38.6	24.2	36.4#



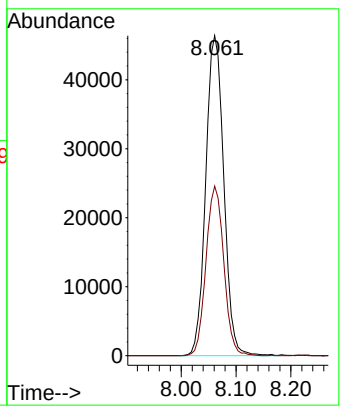


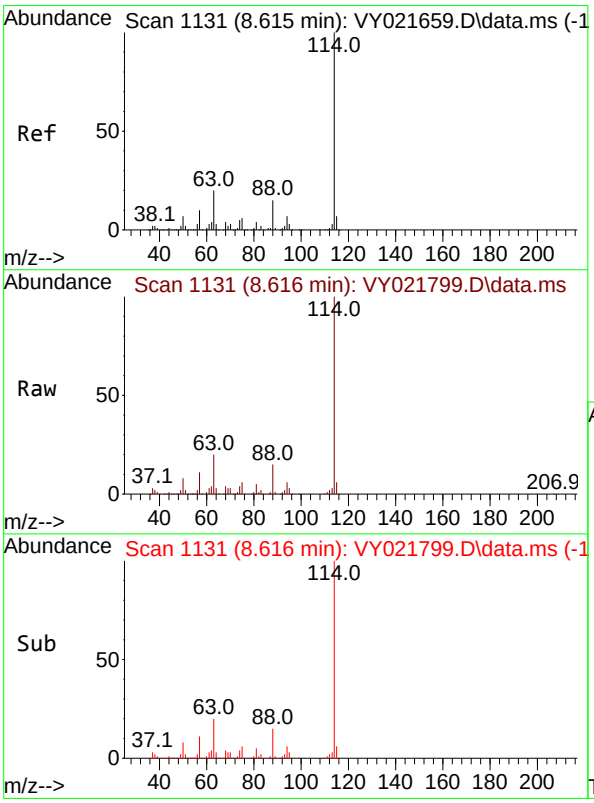
#33
1,2-Dichloroethane-d4
Concen: 62.782 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Tgt Ion: 65 Resp: 105846

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

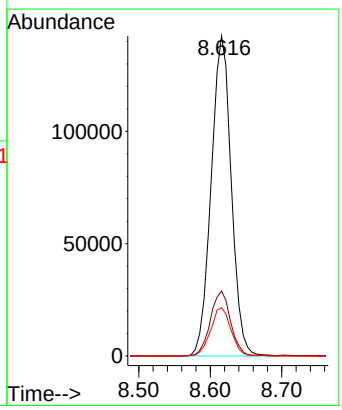


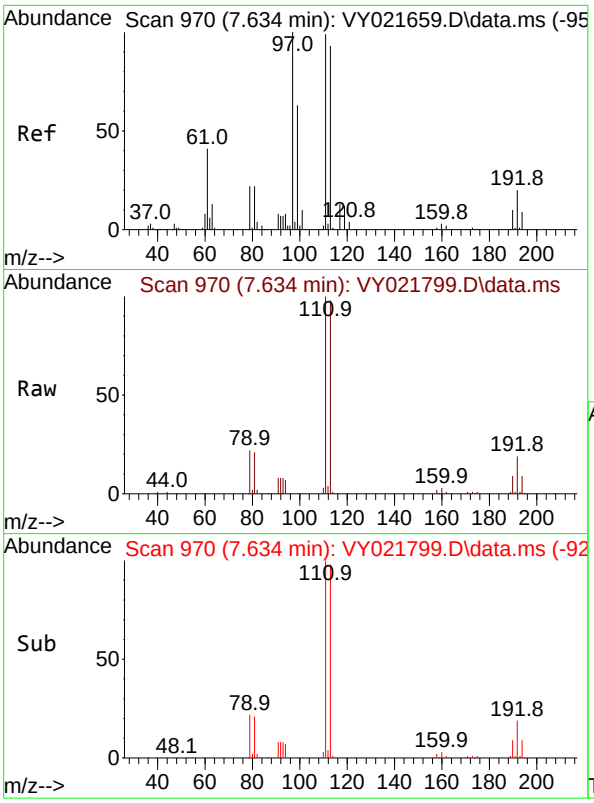


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion:114 Resp: 277750

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.0	0.0	29.8



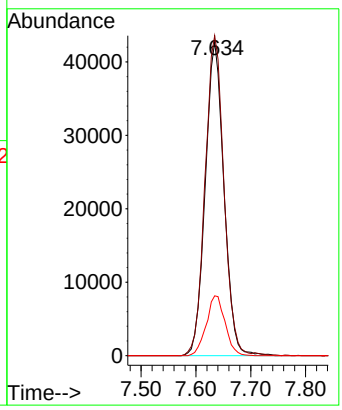


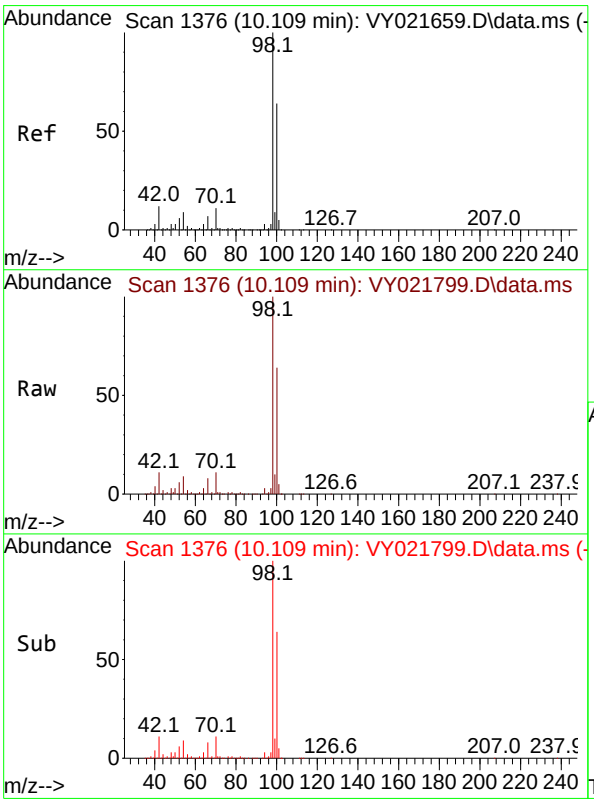
#35
Dibromofluoromethane
Concen: 55.964 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Tgt Ion:113 Resp: 100831

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	19.3	16.2	24.4

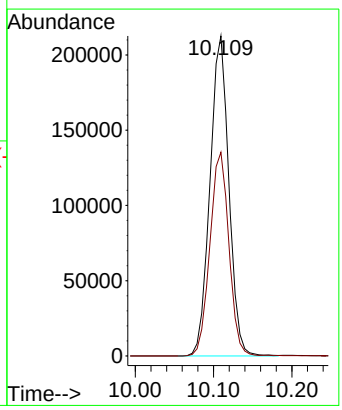


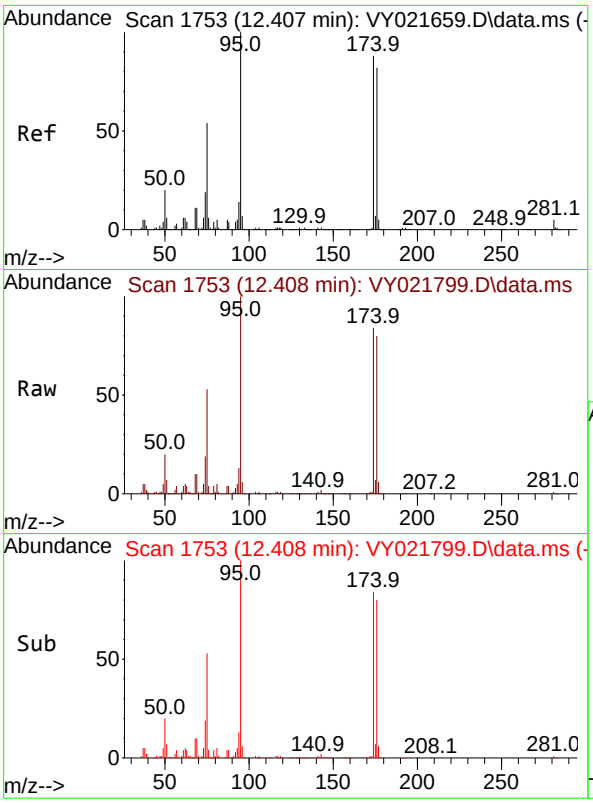


#50
Toluene-d8
Concen: 51.868 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion: 98 Resp: 355519

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1



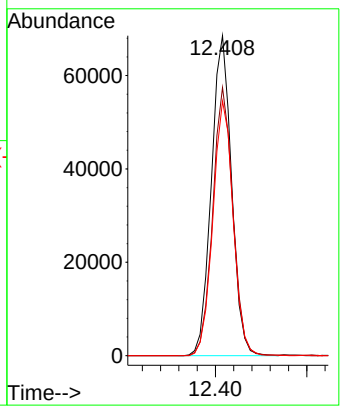


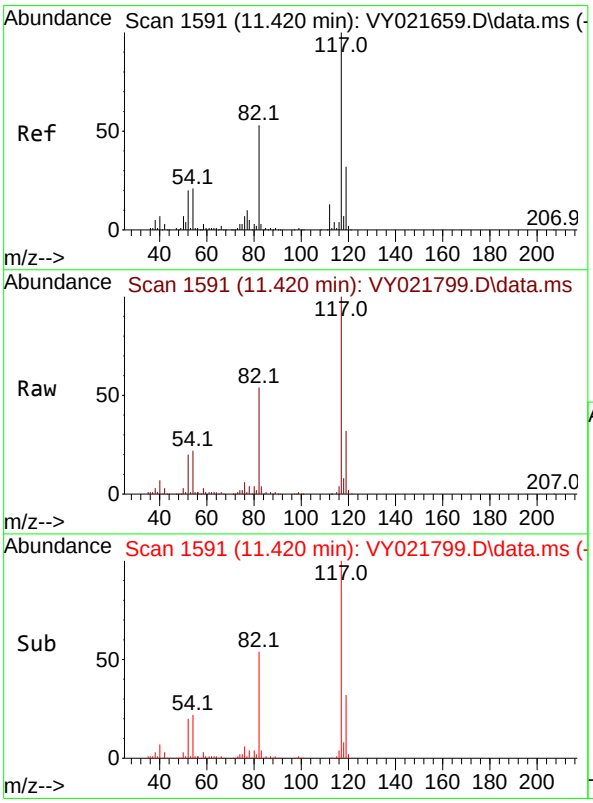
#62
4-Bromofluorobenzene
Concen: 45.241 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Tgt Ion: 95 Resp: 104888

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	170.8
176	80.2	0.0	162.0

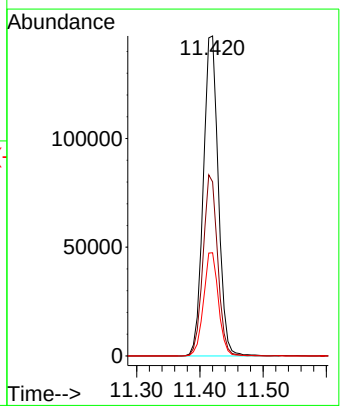


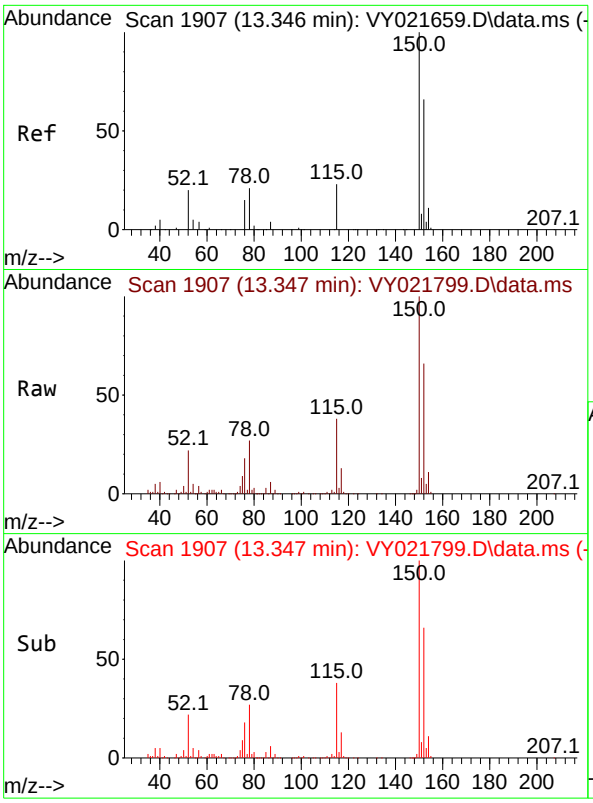


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion:117 Resp: 243254

Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.8	64.2
119	32.2	25.7	38.5



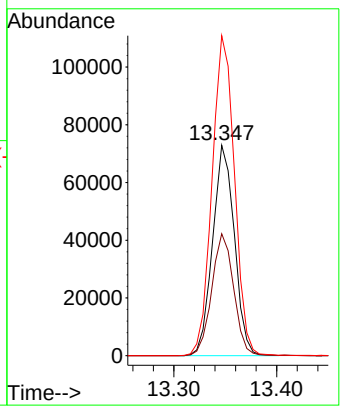


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

Tgt Ion:152 Resp: 107208

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.8	86.5
150	156.9	0.0	348.4



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.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.4
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5
Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.1
Trichlorofluoromethane	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.5
1,1,2-Trichlorotrifluoroethane	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.4
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2
Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.5
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9
2,2-Dichloropropane	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.6
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3
1,1-Dichloropropene	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.6
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2
Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.2
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9

* 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.

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.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9
1,3-Dichloropropane	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.8
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1
1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.3
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3
1,1,1,2-Tetrachloroethane	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.7
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4
Isopropylbenzene	3.628	3.701	3.582	3.826	3.843	3.702	3.714	2.8
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
1,2,3-Trichloropropane	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.5
Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.7
n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.8
2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	2
1,3,5-Trimethylbenzene	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3
4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.4
tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.5
1,2,4-Trimethylbenzene	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.3
sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.8
p-Isopropyltoluene	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.2
1,3-Dichlorobenzene	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.2
1,4-Dichlorobenzene	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.2

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

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.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.1
1,2-Dichlorobenzene	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.9
1,2-Dibromo-3-Chloropropane	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.6
1,2,4-Trichlorobenzene	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.6
Hexachlorobutadiene	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.5
1,2,3-Trichlorobenzene	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.1
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6
trans-1,4-Dichloro-2-butene	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.1

* 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 : 82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025
Response Via : Initial Calibration

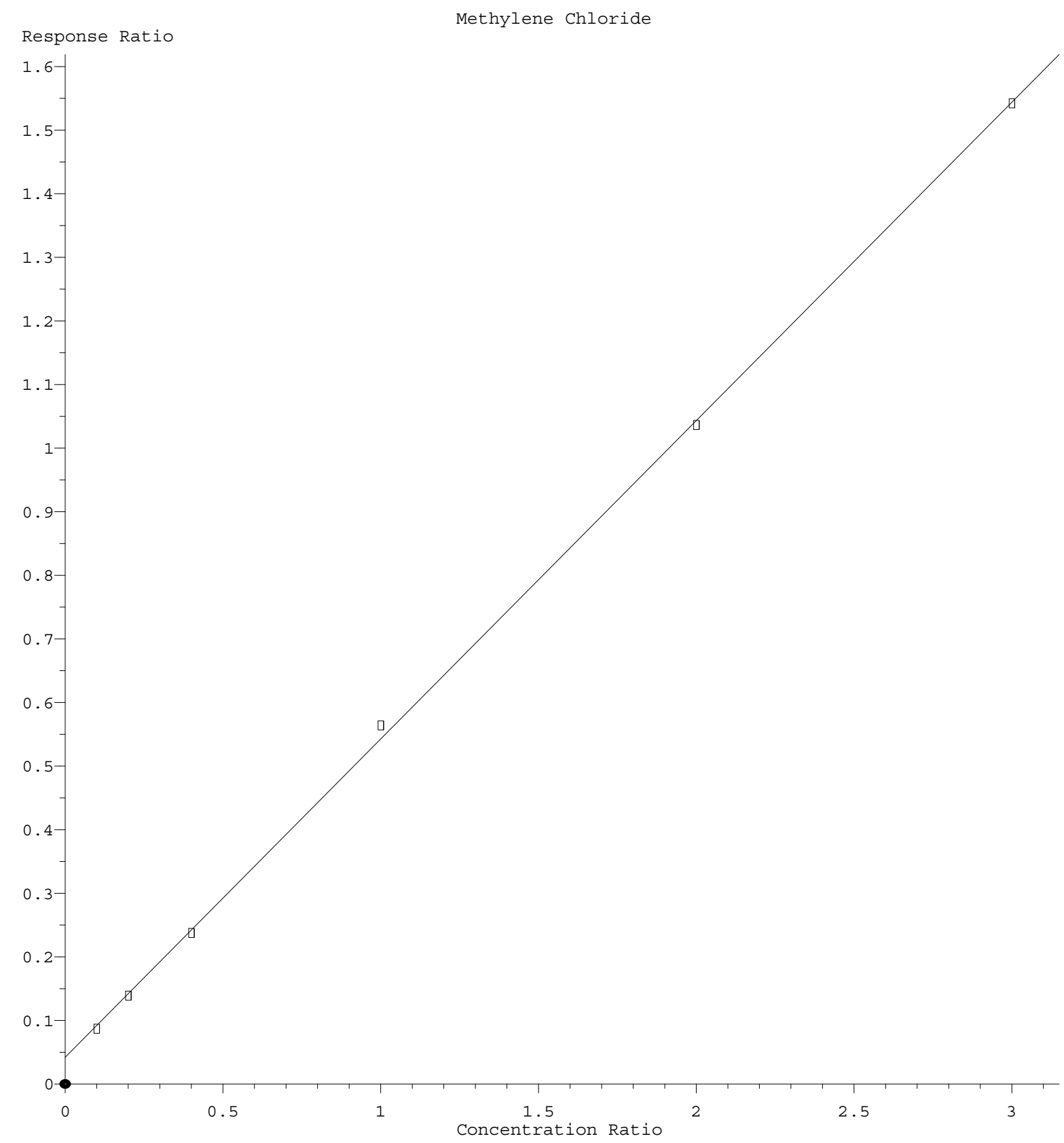
Calibration Files
5 =VY021656.D 10 =VY021657.D 20 =VY021658.D 50 =VY021659.D 100 =VY021660.D 150 =VY021661.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.38
3)	P	Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.61
4)	C	Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.48#
5)	T	Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.90
6)	T	Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.46
7)	T	Trichlorofluor...	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.48
8)	T	Diethyl Ether	0.332	0.309	0.284	0.275	0.256	0.266	0.287	9.95
9)	T	1,1,2-Trichlor...	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.39
10)	T	Methyl Iodide	0.567	0.581	0.610	0.655	0.631	0.620	0.611	5.34
11)	T	Tert butyl alc...	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.48
12)	CM	1,1-Dichloroet...	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.17#
13)	T	Acrolein	0.069	0.070	0.064	0.063	0.059	0.061	0.064	7.03
14)	T	Allyl chloride	0.897	0.866	0.803	0.837	0.814	0.801	0.836	4.60
15)	T	Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.45
16)	T	Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.31
17)	T	Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.40
18)	T	Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	10.97
19)	T	Methyl tert-bu...	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.90
20)	T	Methylene Chlo...	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.82
21)	T	trans-1,2-Dich...	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.32
22)	T	Diisopropyl ether	1.795	1.771	1.732	1.800	1.725	1.701	1.754	2.32
23)	T	Vinyl Acetate	1.026	1.036	1.000	1.066	1.004	1.025	1.026	2.33
24)	P	1,1-Dichloroet...	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.26
25)	T	2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.91
26)	T	2,2-Dichloropr...	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.63
27)	T	cis-1,2-Dichlo...	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.34
28)	T	Bromochloromet...	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.32
29)	T	Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.06
30)	C	Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.85#
31)	T	Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.12
32)	T	1,1,1-Trichlor...	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.31
33)	S	1,2-Dichloroet...	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.53
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7.00
36)	T	1,1-Dichloropr...	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.59
37)	T	Ethyl Acetate	0.270	0.256	0.217	0.236	0.211	0.210	0.233	10.82
38)	T	Carbon Tetrach...	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.89
39)	T	Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.50
40)	TM	Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.58
41)	T	Methacrylonitrile	0.134	0.132	0.111	0.137	0.114	0.116	0.124	9.32
42)	TM	1,2-Dichloroet...	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.15
43)	T	Isopropyl Acetate	0.471	0.474	0.408	0.451	0.420	0.426	0.442	6.29
44)	TM	Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.37
45)	C	1,2-Dichloropr...	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.15#
46)	T	Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.23
47)	T	Bromodichlorom...	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6.02
48)	T	Methyl methacr...	0.212	0.205	0.179	0.210	0.206	0.203	0.203	5.87
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.07
50)	S	Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.12
51)	T	4-Methyl-2-Pen...	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.93
52)	CM	Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3.01#
53)	T	t-1,3-Dichloro...	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.47
54)	T	cis-1,3-Dichlo...	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.62
55)	T	1,1,2-Trichlor...	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.92
56)	T	Ethyl methacry...	0.287	0.309	0.314	0.366	0.356	0.359	0.332	9.82

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y032725S.M

57)	T	1,3-Dichloropr...	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.84
58)	T	2-Chloroethyl ...	0.142	0.153	0.151	0.180	0.173	0.172	0.162	9.22
59)	T	2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.25
60)	T	Dibromochlorom...	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.10
61)	T	1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.32
62)	S	4-Bromofluorob...	0.447	0.410	0.378	0.439	0.424	0.407	0.417	5.97
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.28
65)	PM	Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.26
66)	T	1,1,1,2-Tetrac...	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.67
67)	C	Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.93#
68)	T	m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.21
69)	T	o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.40
70)	T	Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.82
71)	P	Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.44
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.628	3.701	3.582	3.825	3.843	3.702	3.714	2.80
74)	T	N-amyl acetate	0.812	0.864	0.800	0.917	0.898	0.938	0.872	6.47
75)	P	1,1,2,2-Tetrac...	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.14
76)	T	1,2,3-Trichlor...	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.46
77)	T	Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.71
78)	T	n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.75
79)	T	2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	1.96
80)	T	1,3,5-Trimethy...	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3.01
81)	T	trans-1,4-Dich...	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.06
82)	T	4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.42
83)	T	tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.46
84)	T	1,2,4-Trimethy...	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.30
85)	T	sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.85
86)	T	p-Isopropyltol...	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.19
87)	T	1,3-Dichlorobe...	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.21
88)	T	1,4-Dichlorobe...	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.16
89)	T	n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.11
90)	T	Hexachloroethane	0.798	0.720	0.677	0.707	0.709	0.683	0.716	6.06
91)	T	1,2-Dichlorobe...	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.91
92)	T	1,2-Dibromo-3-...	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.58
93)	T	1,2,4-Trichlor...	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.65
94)	T	Hexachlorobuta...	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.51
95)	T	Naphthalene	1.153	1.208	1.258	1.508	1.505	1.616	1.375	13.94
96)	T	1,2,3-Trichlor...	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.06

(#) = Out of Range



Response = 5.006e-001 * Amt + 4.197e-002
Coef of Det (r^2) = 0.999666 Curve Fit: Linear
Method Name: z:\vmsrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Calibration Table Last Updated: Fri Mar 28 02:30:29 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.300%#			
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.020%#			
50) Toluene-d8	10.109	98	44774	5.177	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.360%#			
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.700%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l		98
3) Chloromethane	2.074	50	19017	6.010	ug/l		90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l		93
5) Bromomethane	2.598	94	15395	6.308	ug/l		99
6) Chloroethane	2.733	64	13977	5.969	ug/l		99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l		98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l		98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l		98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l	#	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l		92
13) Acrolein	3.653	56	7499	26.881	ug/l		93
14) Allyl chloride	4.385	41	19469	5.362	ug/l		97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l	#	88
16) Acetone	3.873	43	15736	32.687	ug/l		100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l		99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l		97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l		100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l		96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l		95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l		95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l		98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l	#	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l		96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l		100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l		99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l		99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l		99
30) Chloroform	7.421	83	26819	5.662	ug/l		95
31) Cyclohexane	7.707	56	25394	6.117	ug/l	#	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l		97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l		99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l	#	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l		95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l		97
40) Benzene	8.079	78	56287	5.427	ug/l		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4688m	5.402	ug/l		
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l		98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l		97
44) Trichloroethene	8.866	130	14453	5.470	ug/l		98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l		99
46) Dibromomethane	9.231	93	7882	5.571	ug/l		97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l		92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l		96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l		97
52) Toluene	10.176	92	32954	5.093	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l		94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l		93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l		98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l		92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l		99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l		100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l		93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l		97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l		98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l		97
69) o-Xylene	11.956	106	20041	4.786	ug/l		98
70) Styrene	11.975	104	32075	4.594	ug/l		99
71) Bromoform	12.133	173	7253	5.187	ug/l	#	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l		99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l		95
76) 1,2,3-Trichloropropane	12.554	75	7373m	5.106	ug/l		
77) Bromobenzene	12.536	156	13783	5.305	ug/l		97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l		100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l		88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l		100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l		99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l		100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l		94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l		96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l		97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l		96
95) Naphthalene	15.151	128	16796	4.194	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

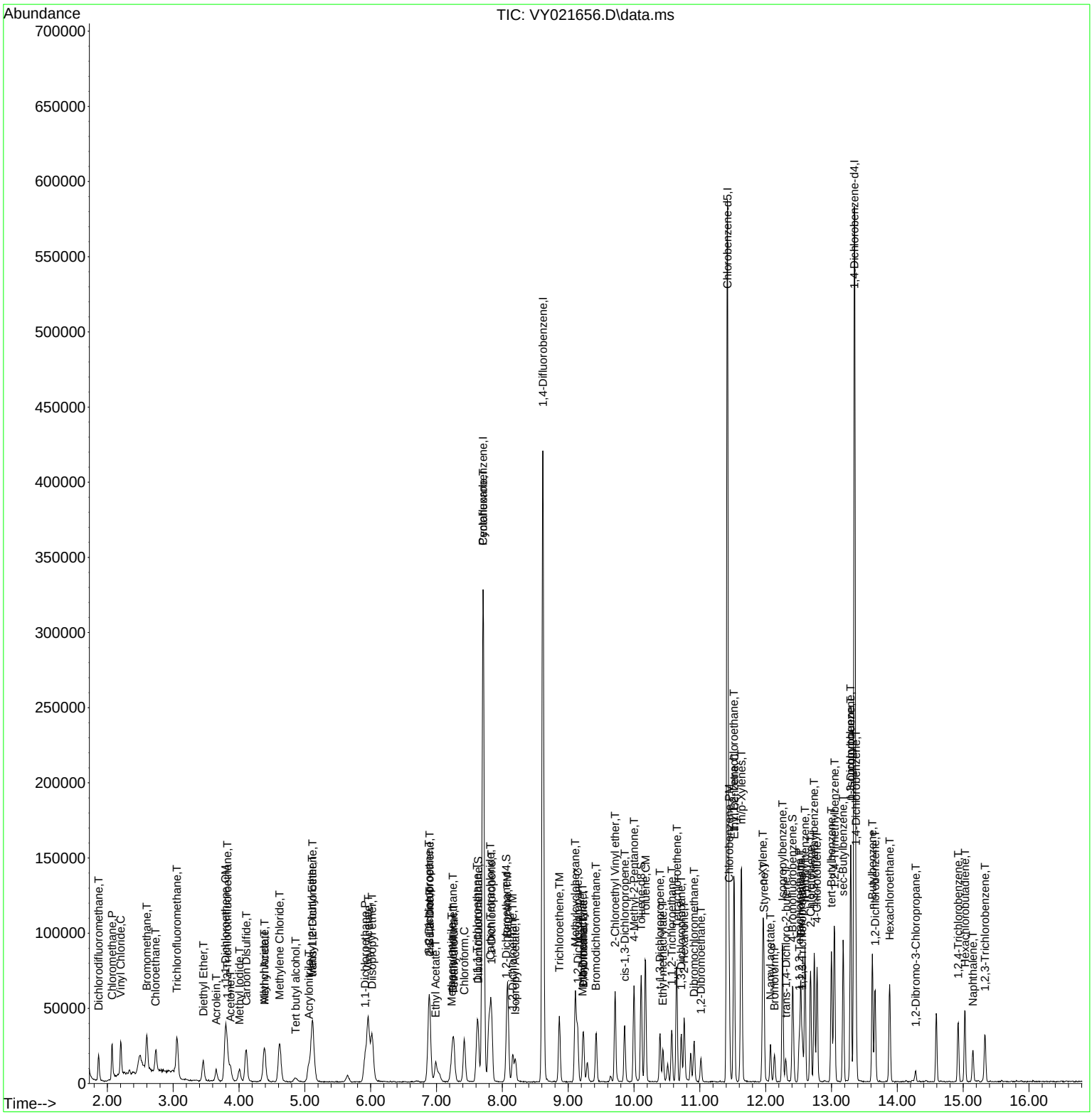
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Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

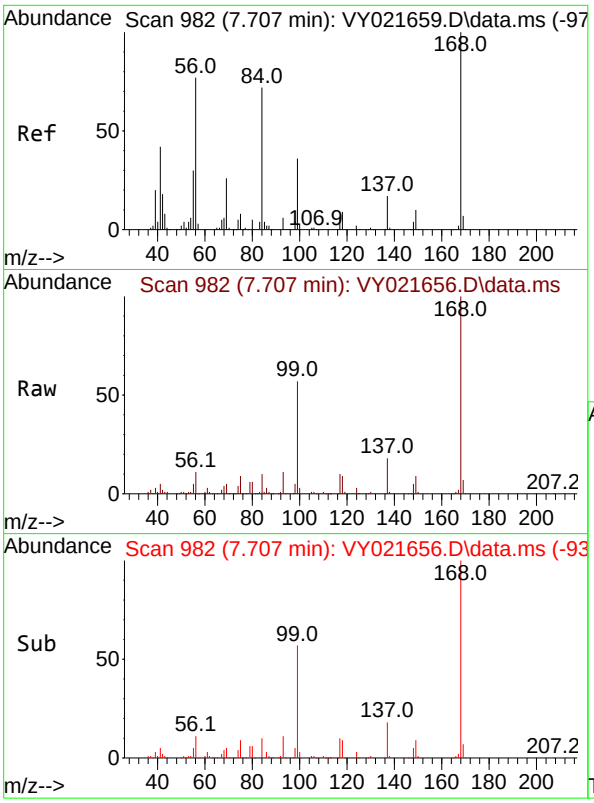
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QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

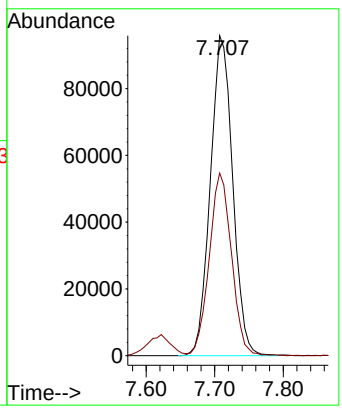




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:168 Resp: 21710

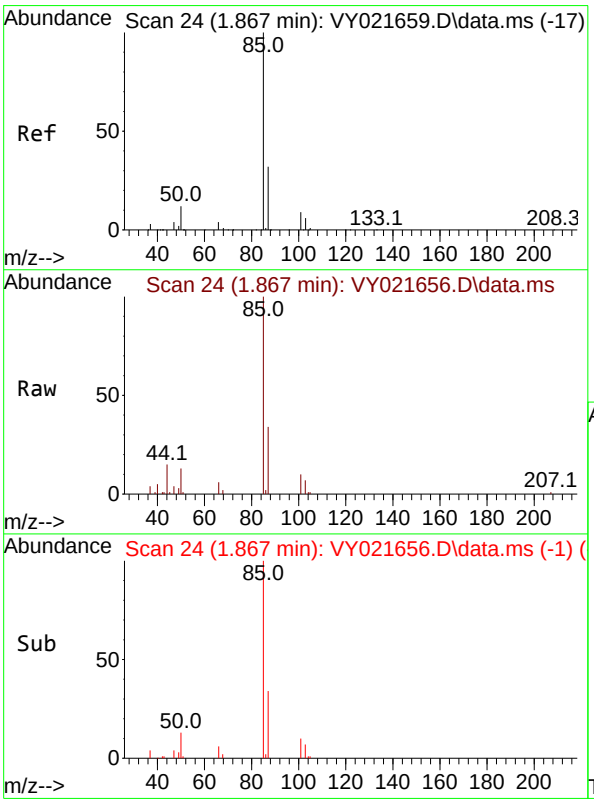
Ion	Ratio	Lower	Upper
168	100		
99	56.8	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

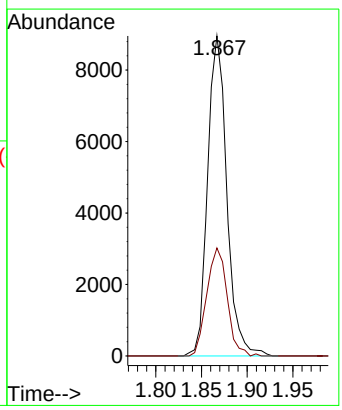
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

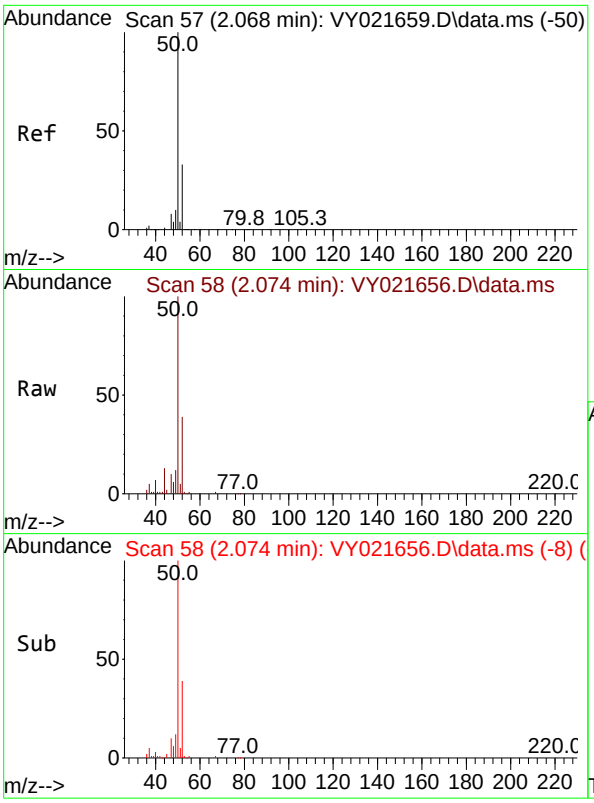


#2
Dichlorodifluoromethane
Concen: 5.806 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 85 Resp: 13065

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.2	48.6

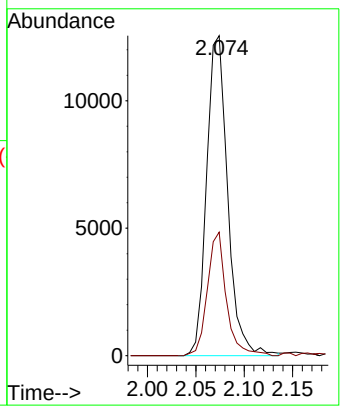




#3
Chloromethane
Concen: 6.010 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 50 Resp: 1901

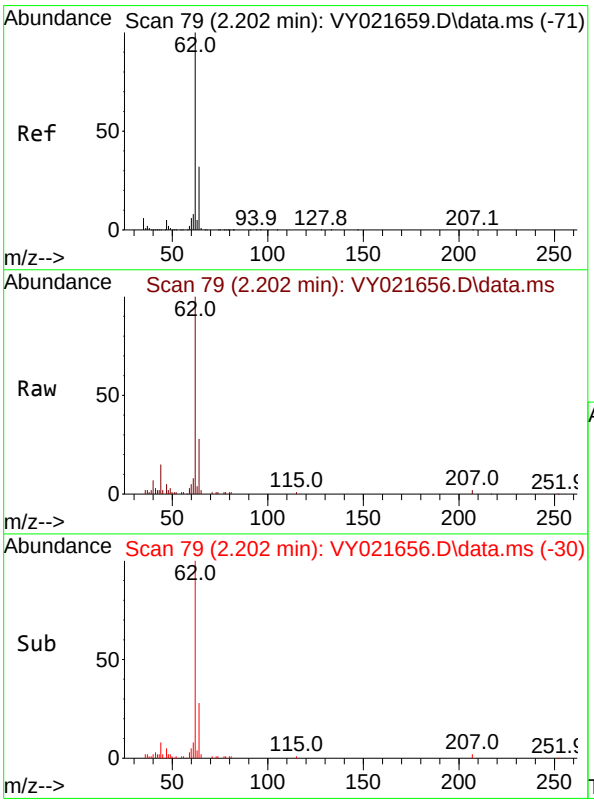
Ion	Ratio	Lower	Upper
50	100		
52	38.6	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

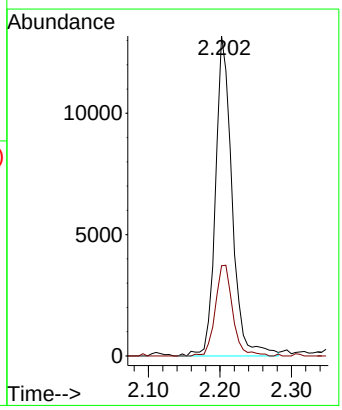
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

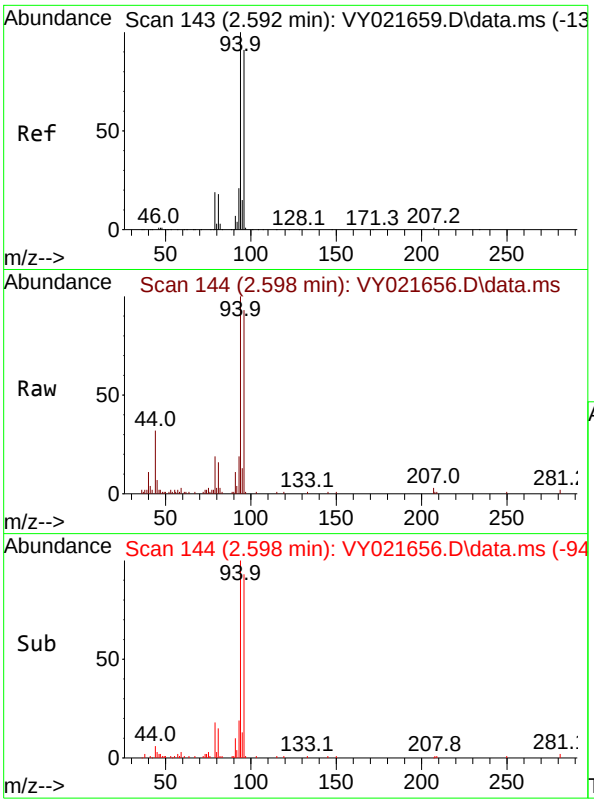


#4
Vinyl Chloride
Concen: 5.928 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 21214

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.5	38.3

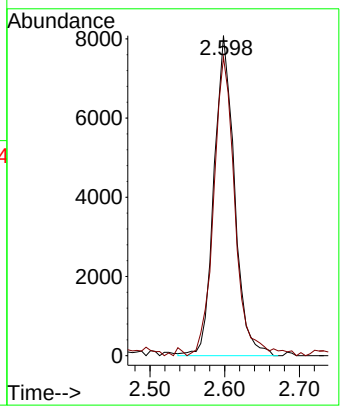




#5
Bromomethane
Concen: 6.308 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 94 Resp: 1539

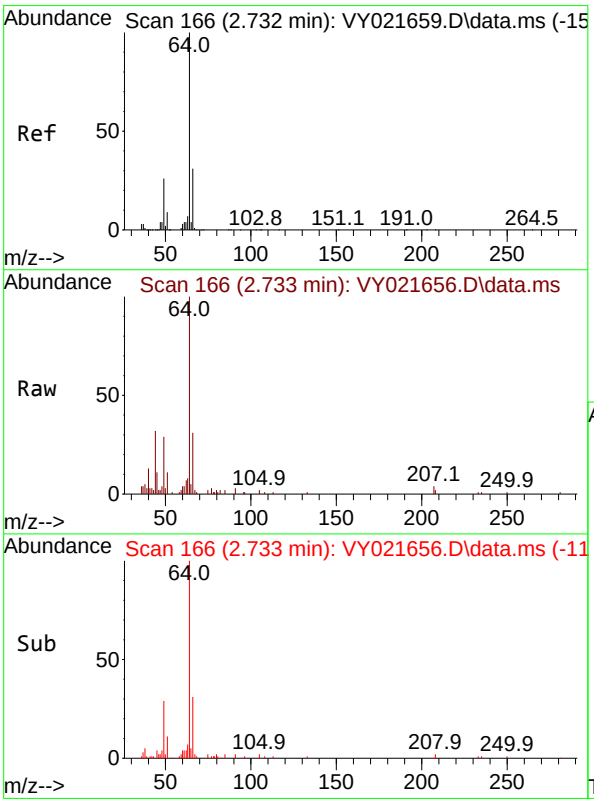
Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

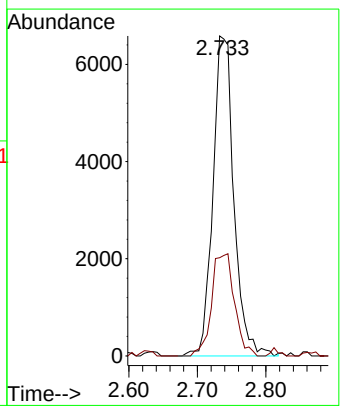
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

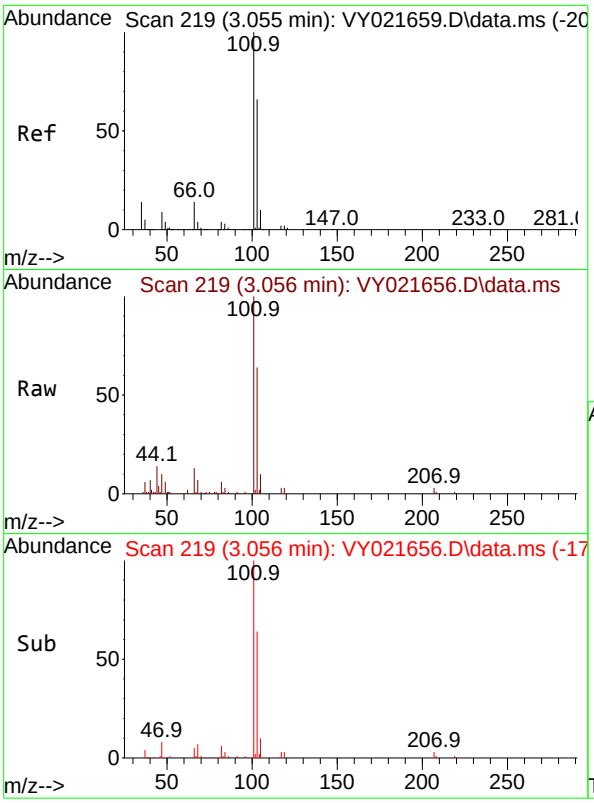


#6
Chloroethane
Concen: 5.969 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 64 Resp: 13977

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.9	37.3

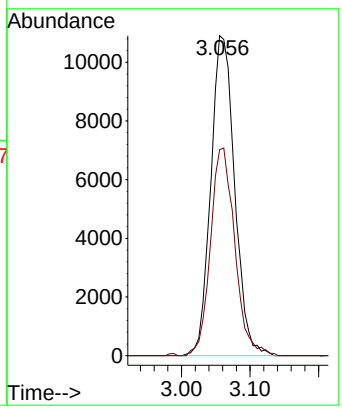




#7
Trichlorofluoromethane
Concen: 5.740 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:101 Resp: 2631

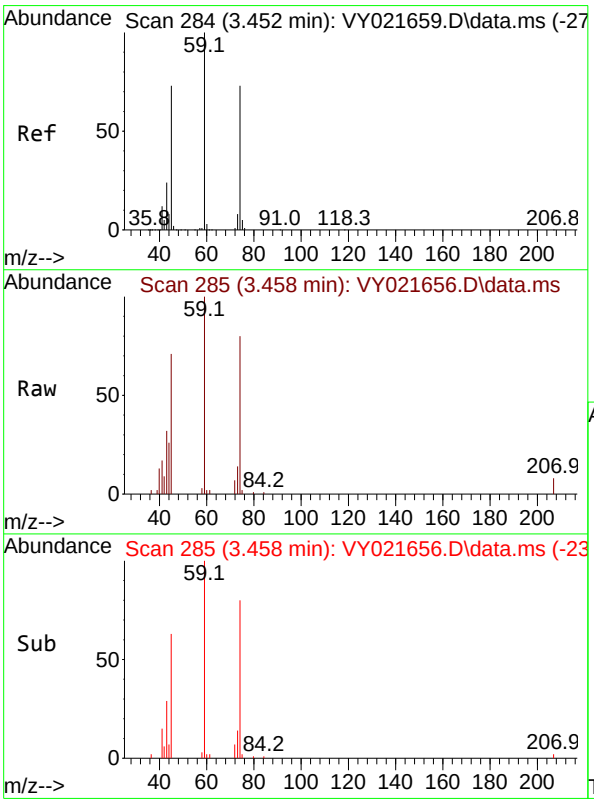
Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

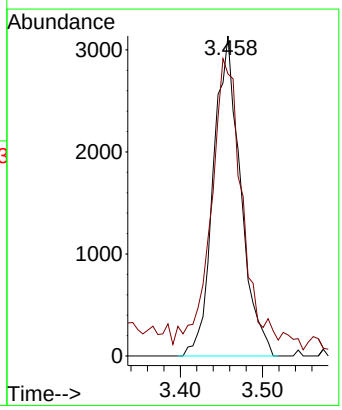
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

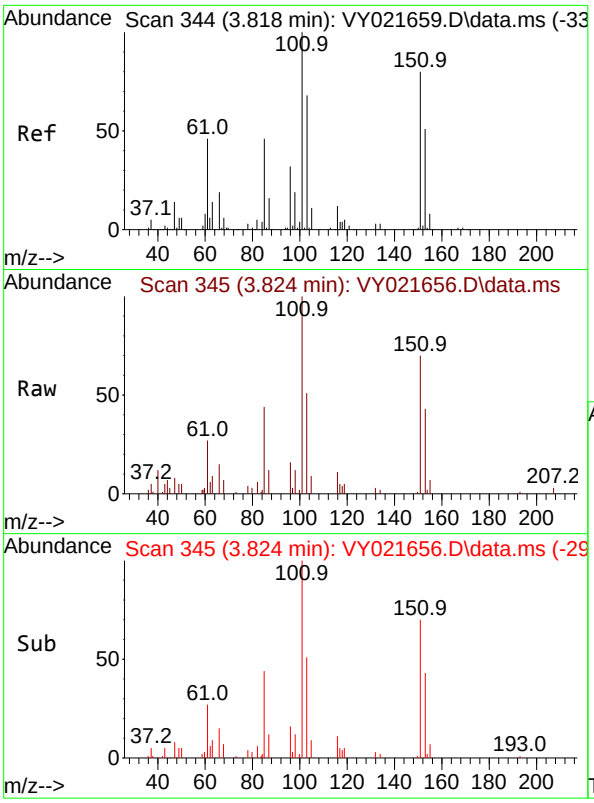


#8
Diethyl Ether
Concen: 5.786 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 74 Resp: 7213

Ion	Ratio	Lower	Upper
74	100		
45	99.4	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.995 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

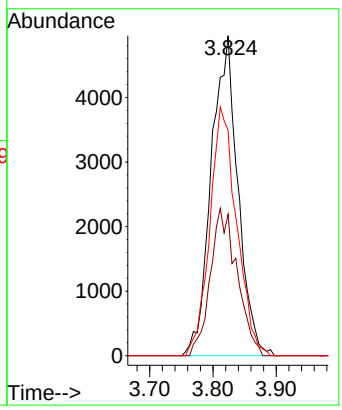
Tgt Ion:101 Resp: 1449

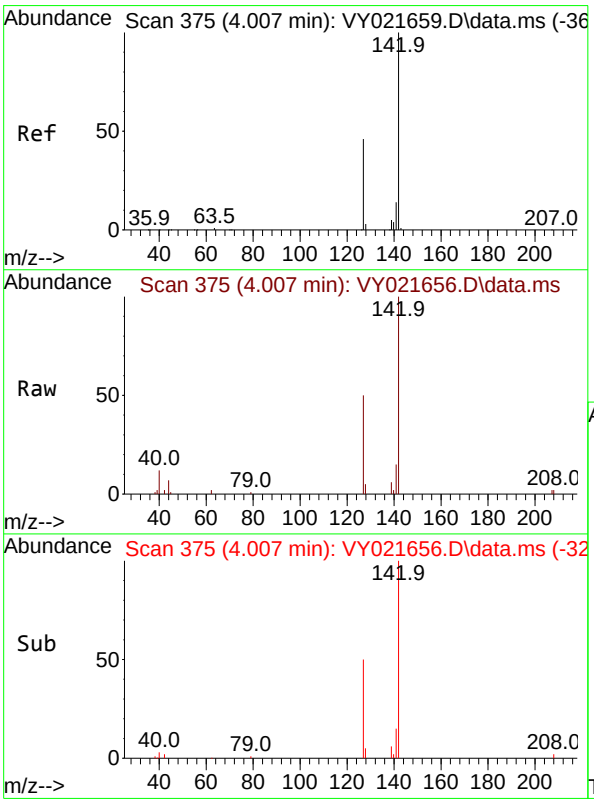
Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.3	54.5
151	78.3	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

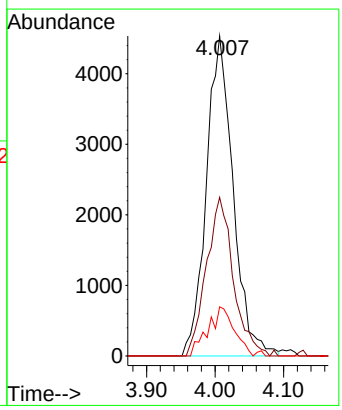


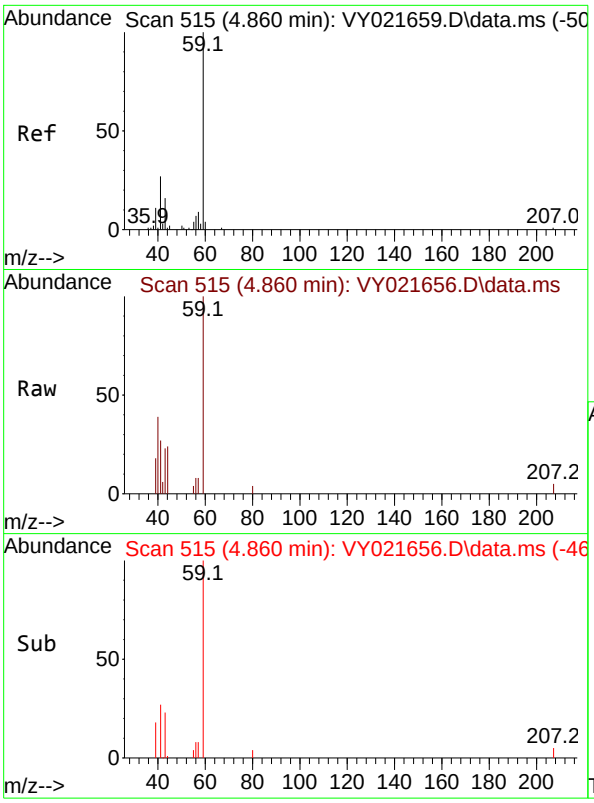


#10
Methyl Iodide
Concen: 4.642 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:142 Resp: 12311

Ion	Ratio	Lower	Upper
142	100		
127	50.2	38.7	58.1
141	15.0	11.5	17.3

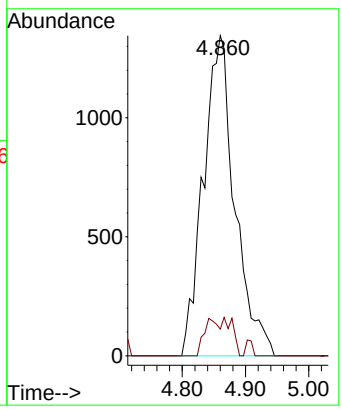




#11
Tert butyl alcohol
Concen: 30.344 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 59 Resp: 463

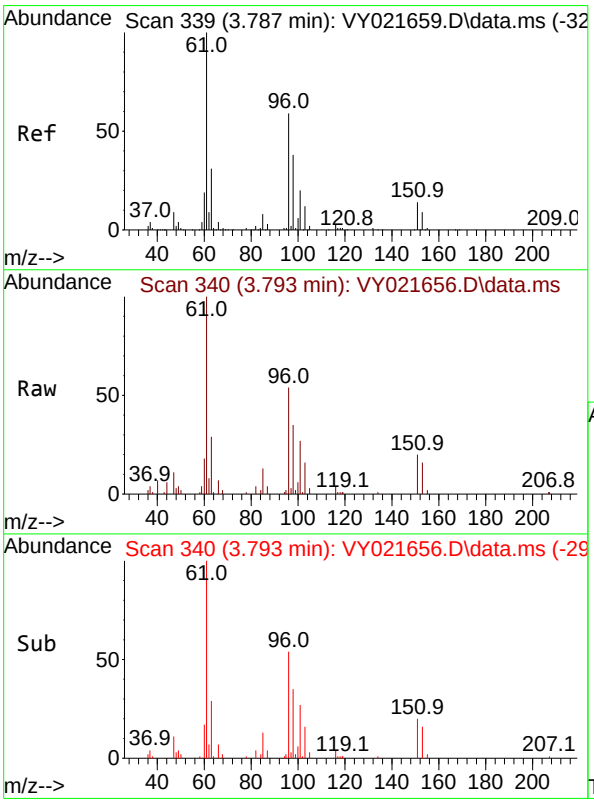
Ion	Ratio	Lower	Upper
59	100		
57	5.7	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

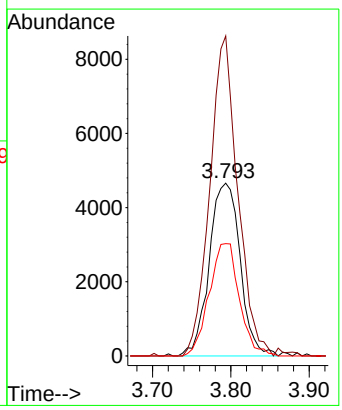
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

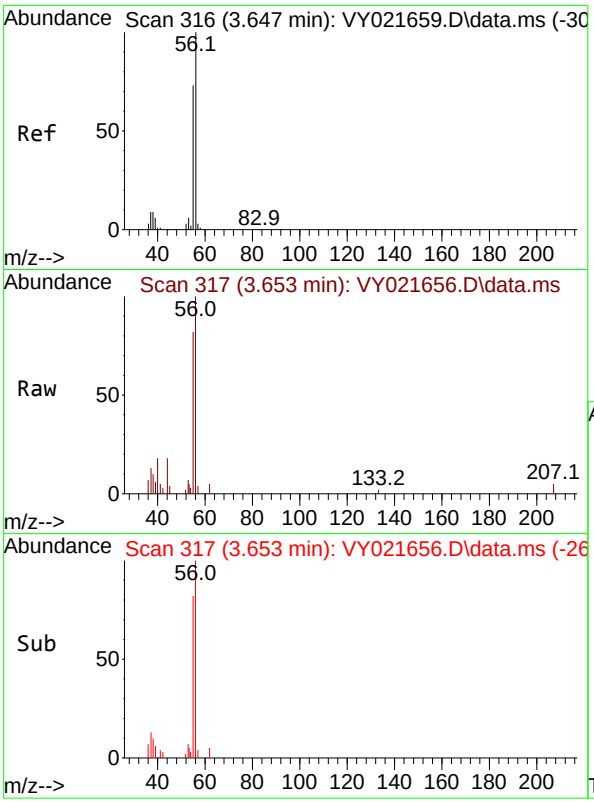


#12
1,1-Dichloroethene
Concen: 5.611 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 96 Resp: 12778

Ion	Ratio	Lower	Upper
96	100		
61	185.1	136.6	204.8
98	65.0	52.3	78.5

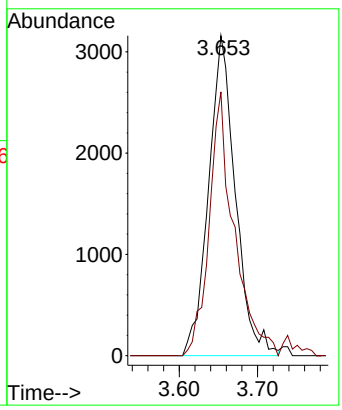




#13
Acrolein
Concen: 26.881 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 56 Resp: 749

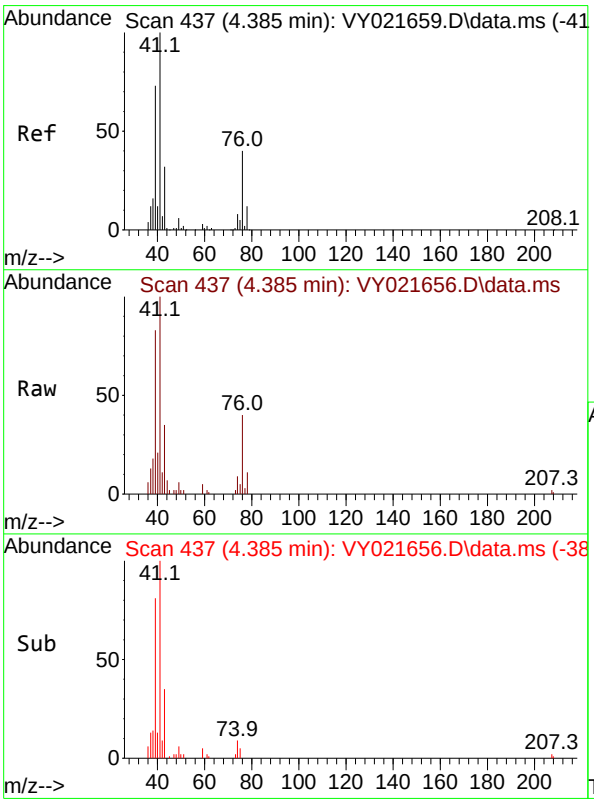
Ion	Ratio	Lower	Upper
56	100		
55	76.7	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

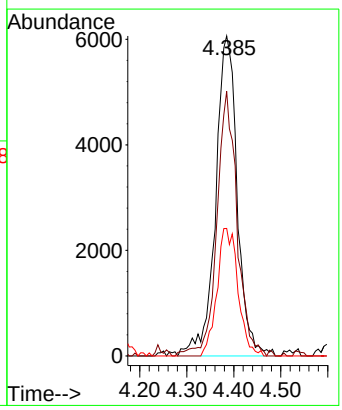
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

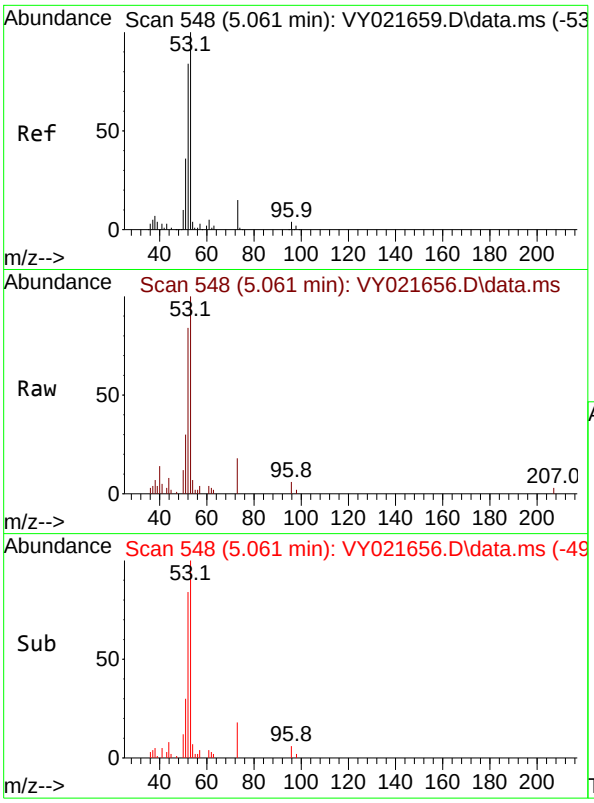


#14
Allyl chloride
Concen: 5.362 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 19469

Ion	Ratio	Lower	Upper
41	100		
39	76.8	58.6	88.0
76	38.6	30.3	45.5

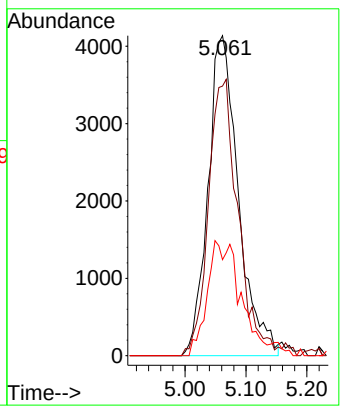




#15
Acrylonitrile
Concen: 27.546 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 53 Resp: 1433

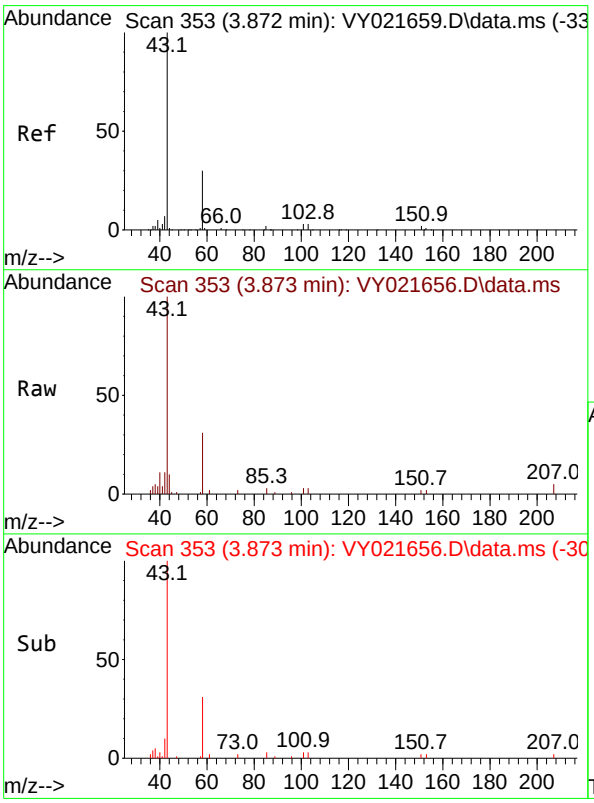
Ion	Ratio	Lower	Upper
53	100		
52	84.3	64.9	97.3
51	18.9	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

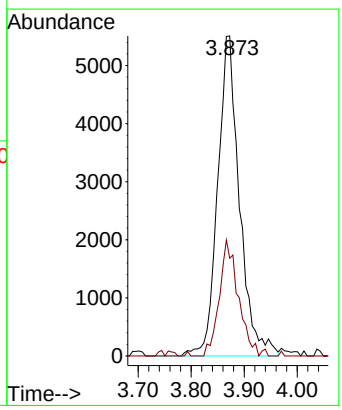
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

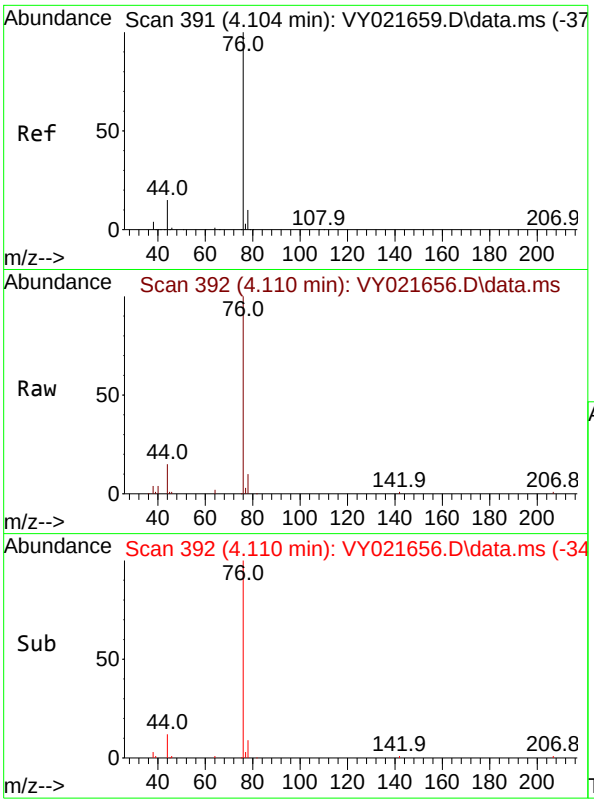


#16
Acetone
Concen: 32.687 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 15736

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

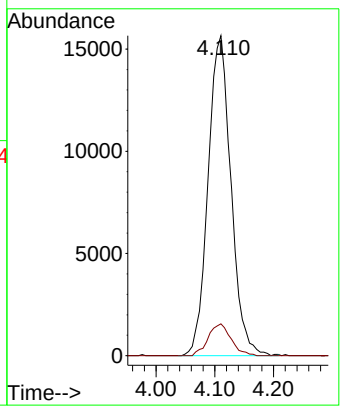




#17
Carbon Disulfide
Concen: 5.662 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 76 Resp: 4246

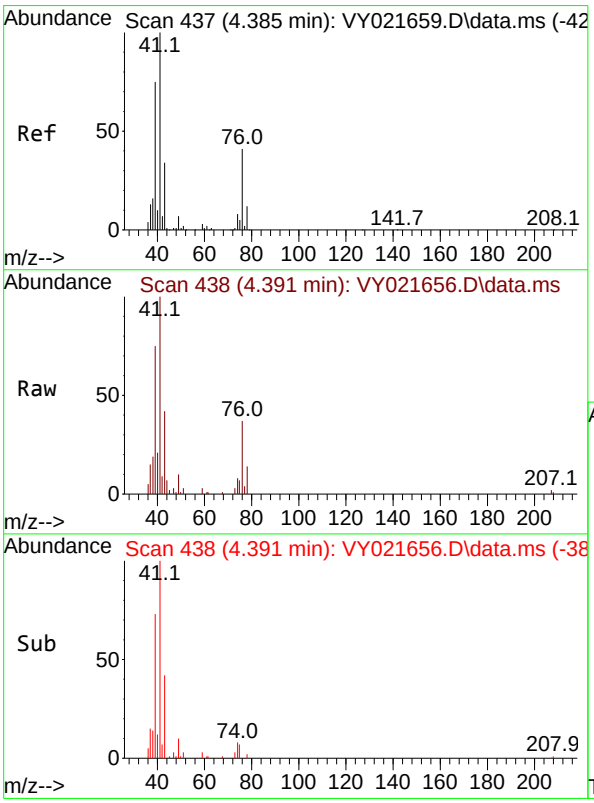
Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

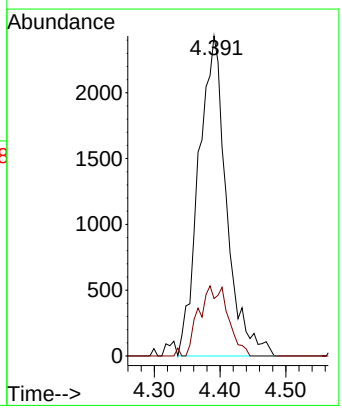
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

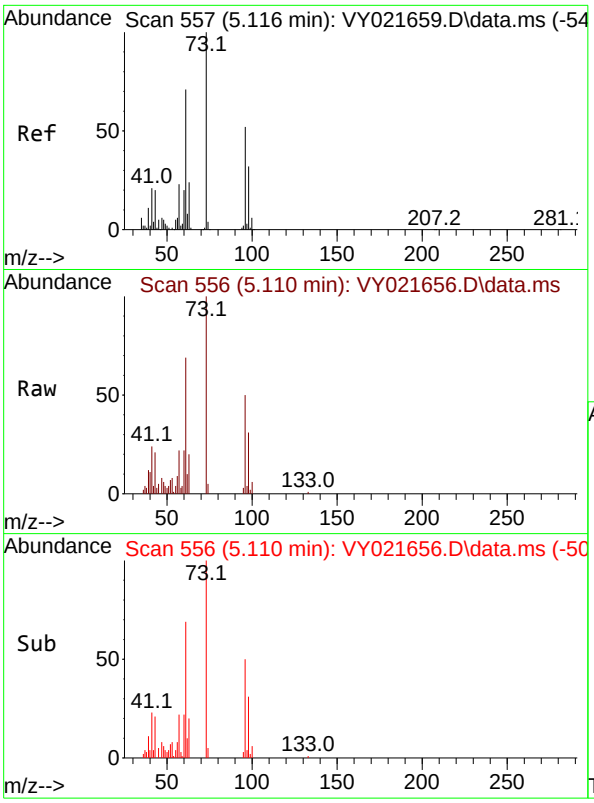


#18
Methyl Acetate
Concen: 5.985 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 7141

Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.1	28.7

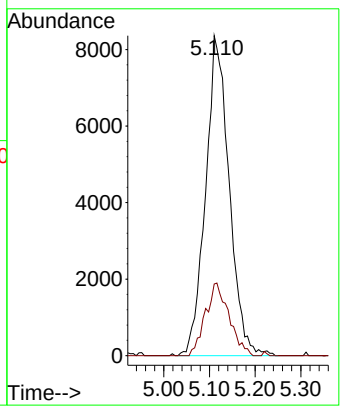




#19
Methyl tert-butyl Ether
Concen: 5.286 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 73 Resp: 2996

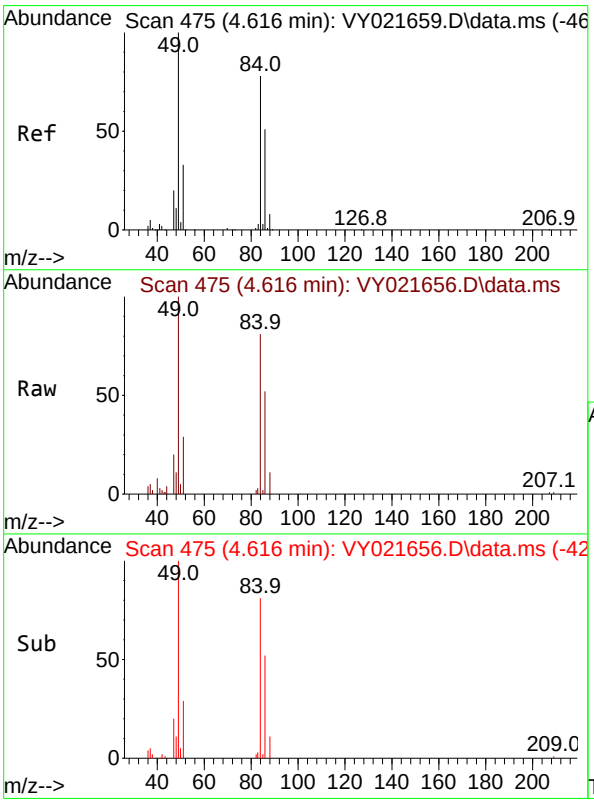
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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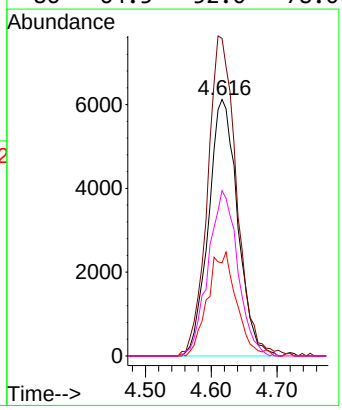
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

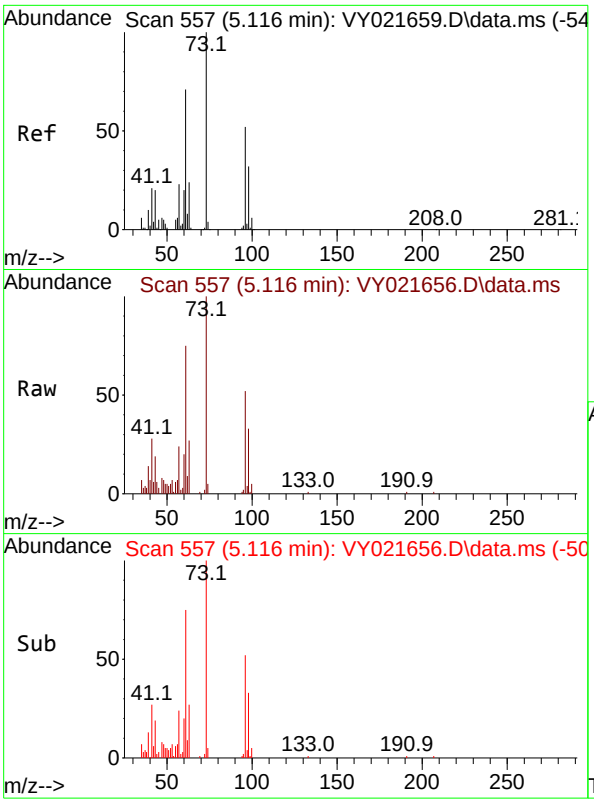


#20
Methylene Chloride
Concen: 4.497 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 84 Resp: 18885

Ion	Ratio	Lower	Upper
84	100		
49	123.8	102.8	154.2
51	36.3	33.5	50.3
86	64.5	52.0	78.0

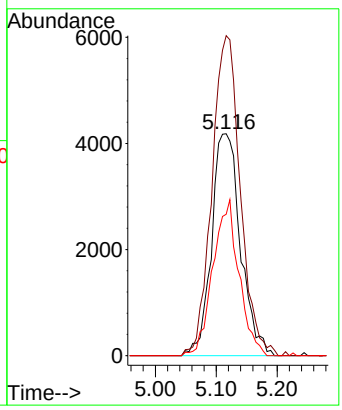




#21
trans-1,2-Dichloroethene
Concen: 5.489 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 96 Resp: 1376

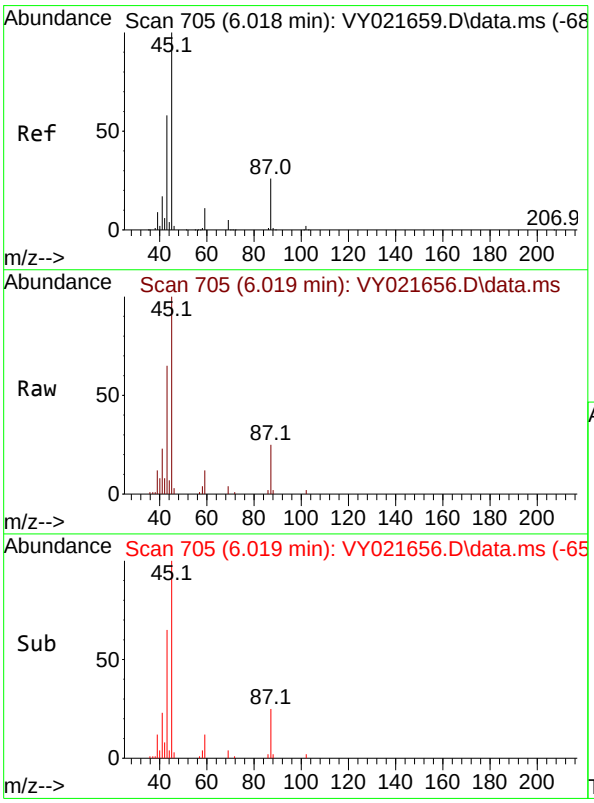
Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.4	164.0
98	63.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

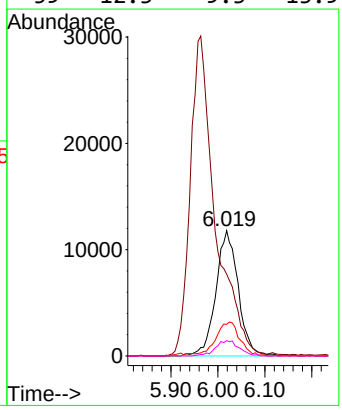
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

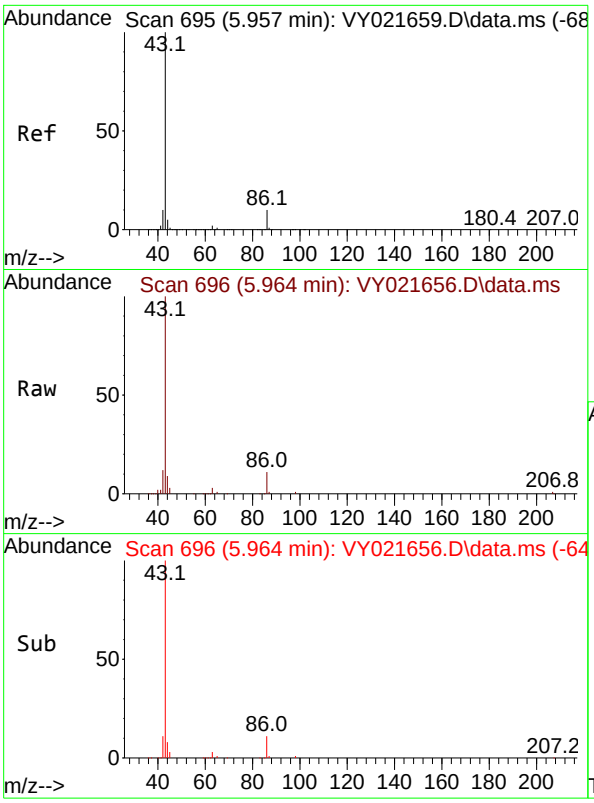


#22
Diisopropyl ether
Concen: 5.118 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 45 Resp: 38980

Ion	Ratio	Lower	Upper
45	100		
43	64.0	46.6	69.8
87	25.2	20.7	31.1
59	12.3	9.3	13.9





#23
Vinyl Acetate
Concen: 24.992 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

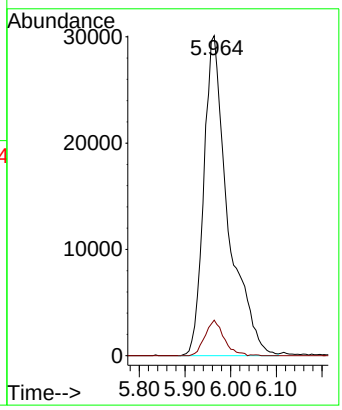
Tgt Ion: 43 Resp: 11135

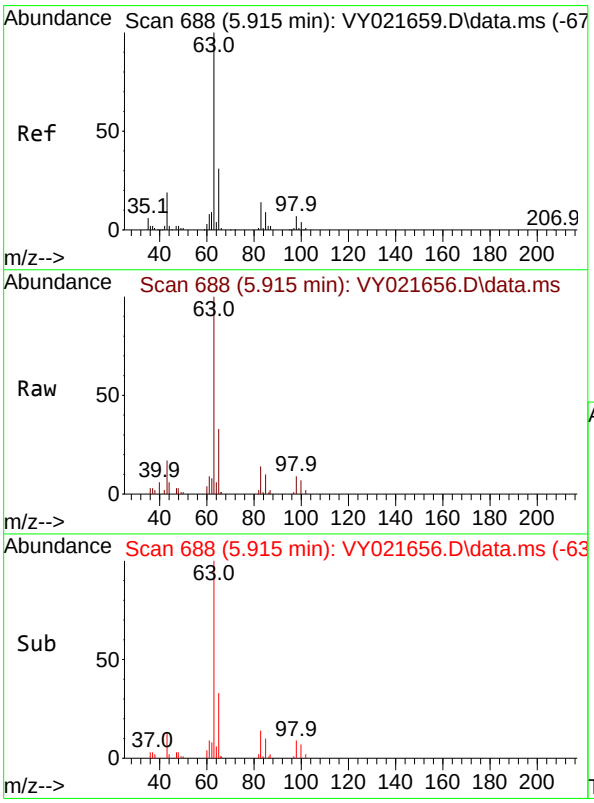
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

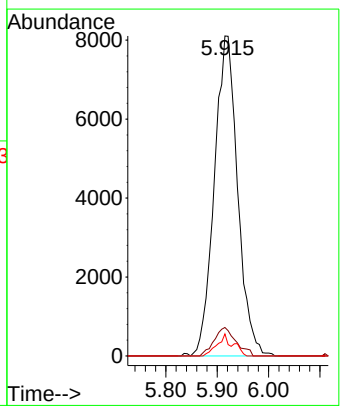


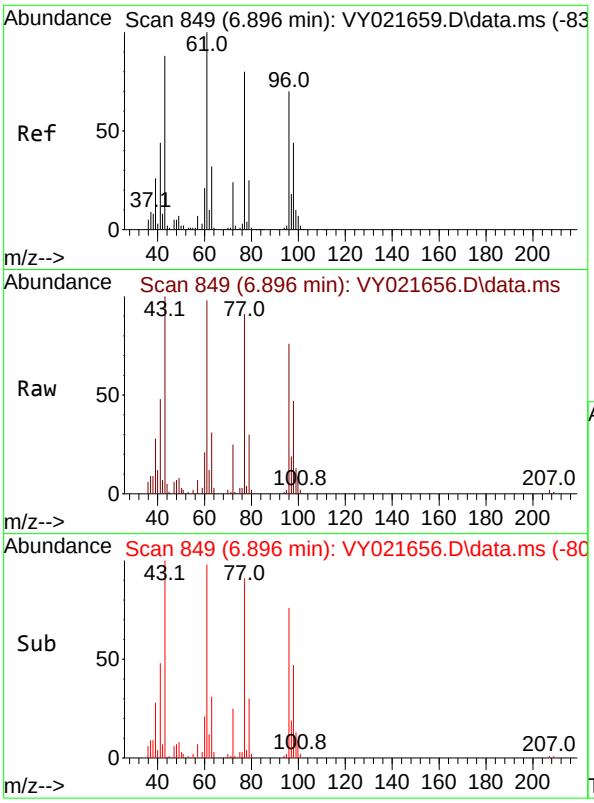


#24
1,1-Dichloroethane
Concen: 5.616 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 25578

Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.5	10.5
100	6.9	2.2	6.6#





#25
2-Butanone
Concen: 28.598 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

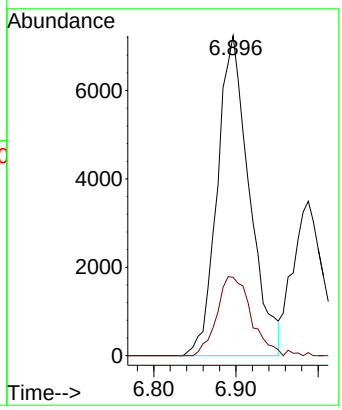
Tgt Ion: 43 Resp: 1966

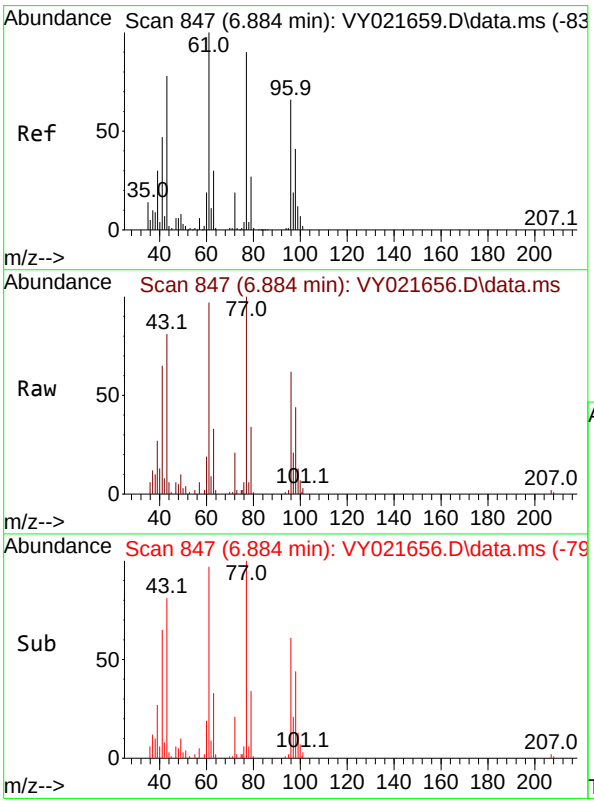
Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

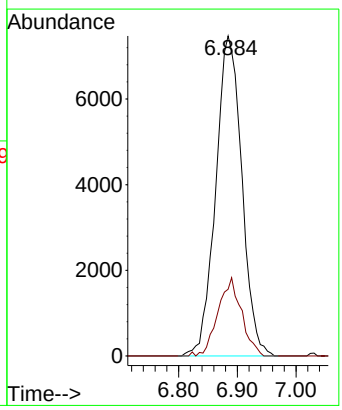


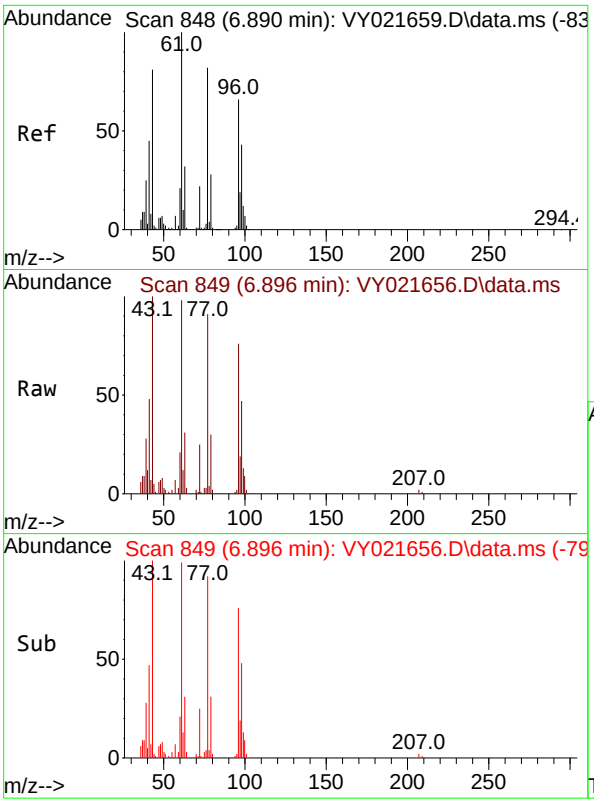


#26
2,2-Dichloropropane
Concen: 5.695 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 77 Resp: 23073

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.1	33.1

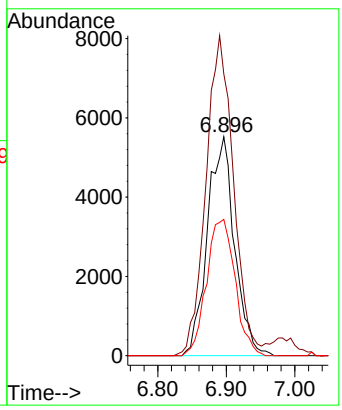




#27
cis-1,2-Dichloroethene
Concen: 5.390 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 96 Resp: 1519

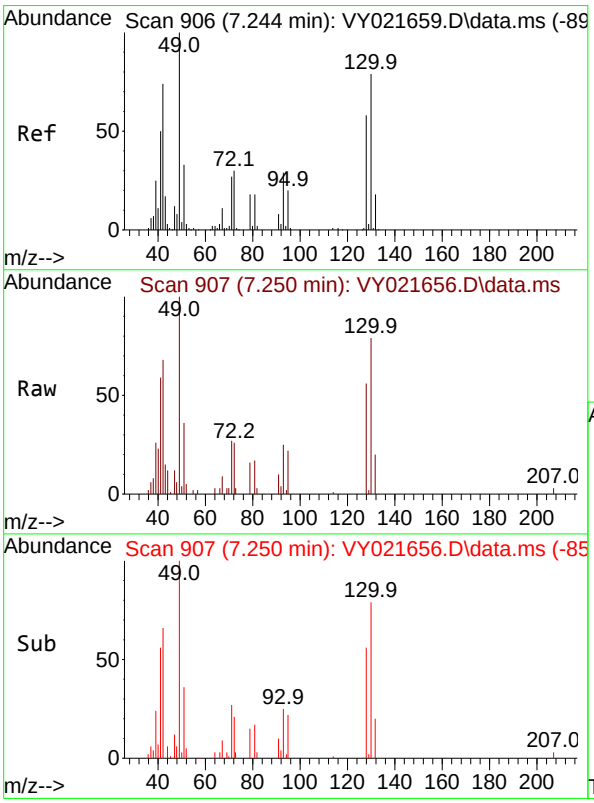
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	296.4
98	65.4	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

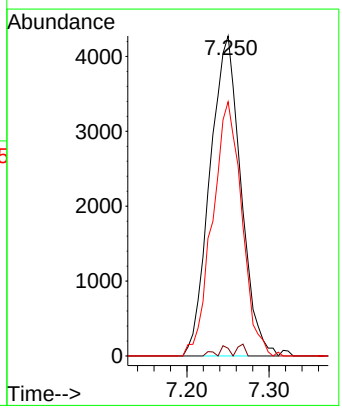
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

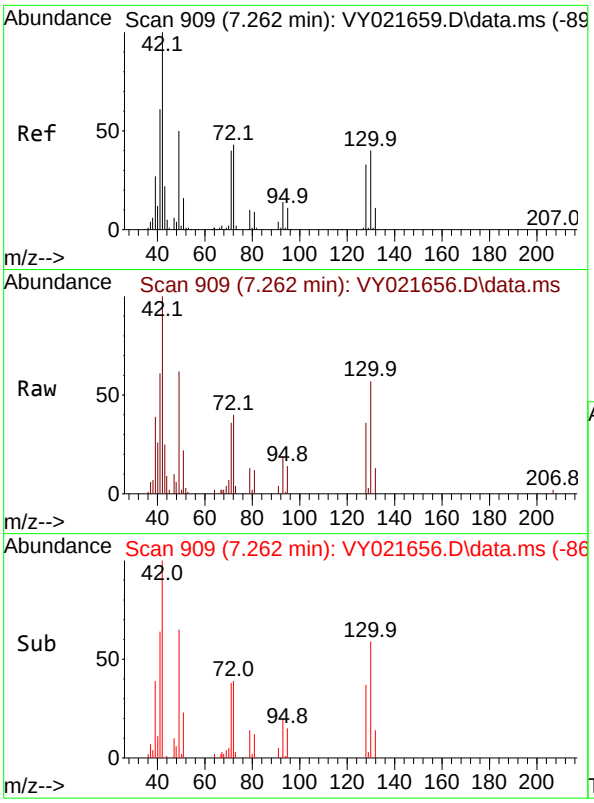


#28
Bromochloromethane
Concen: 5.799 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 49 Resp: 11139

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	75.8	60.1	90.1

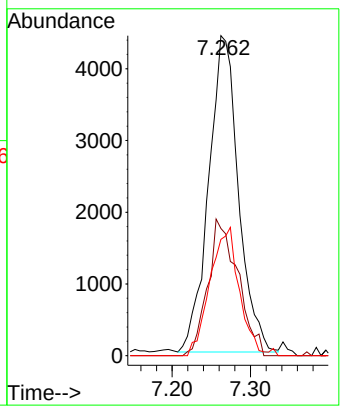




#29
Tetrahydrofuran
Concen: 26.430 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 42 Resp: 1169(

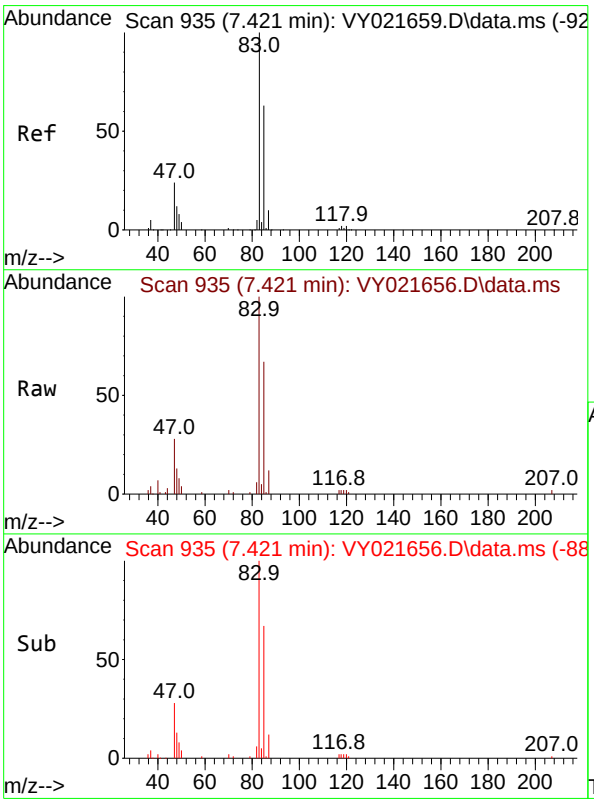
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	39.9	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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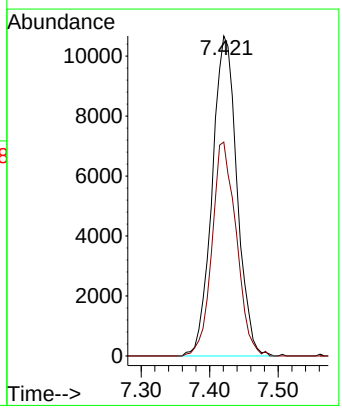
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

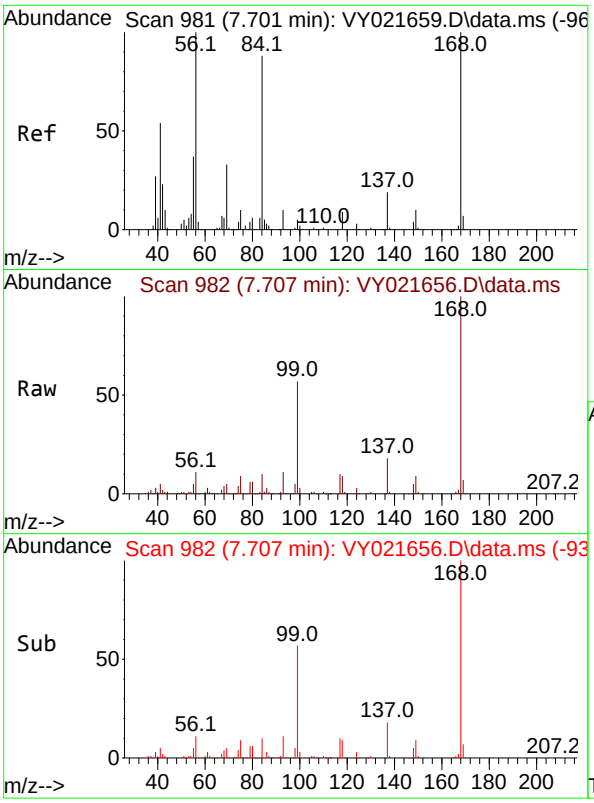


#30
Chloroform
Concen: 5.662 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 83 Resp: 26819

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.6	75.8

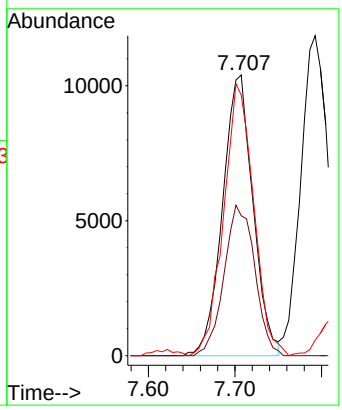




#31
Cyclohexane
Concen: 6.117 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 56 Resp: 2539

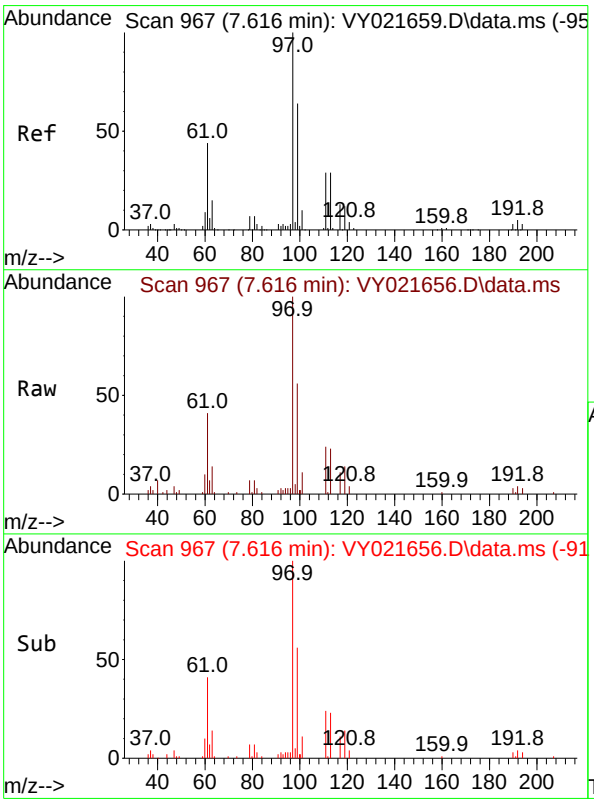
Ion	Ratio	Lower	Upper
56	100		
69	49.9	26.6	40.0
84	91.4	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

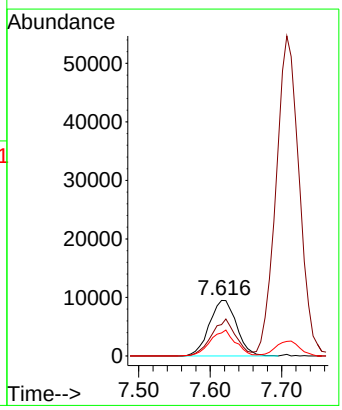
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

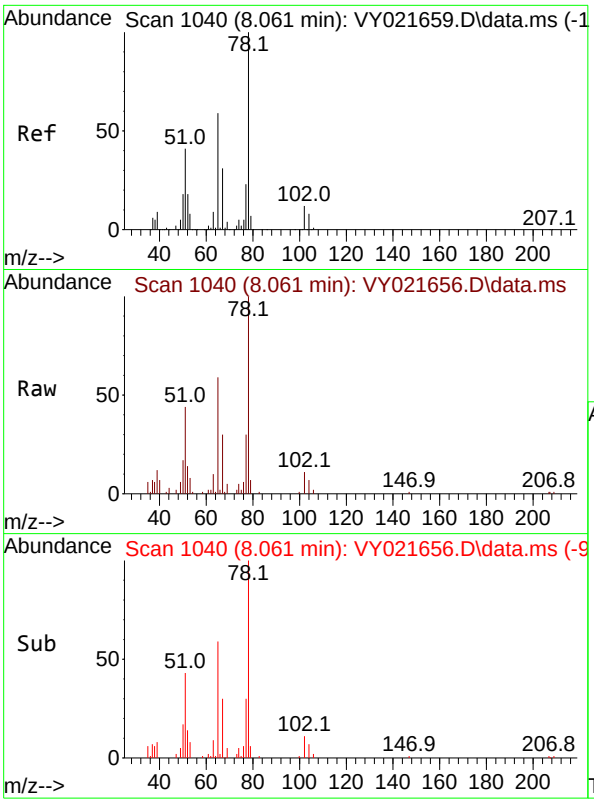


#32
1,1,1-Trichloroethane
Concen: 5.856 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 97 Resp: 25069

Ion	Ratio	Lower	Upper
97	100		
99	59.7	50.7	76.1
61	43.2	35.2	52.8

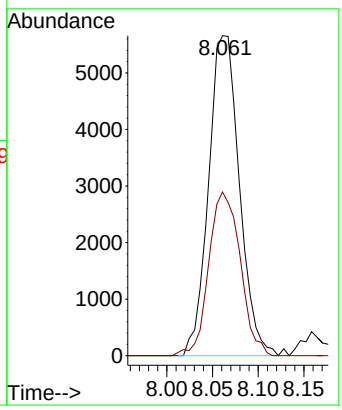




#33
1,2-Dichloroethane-d4
Concen: 5.650 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 65 Resp: 1328

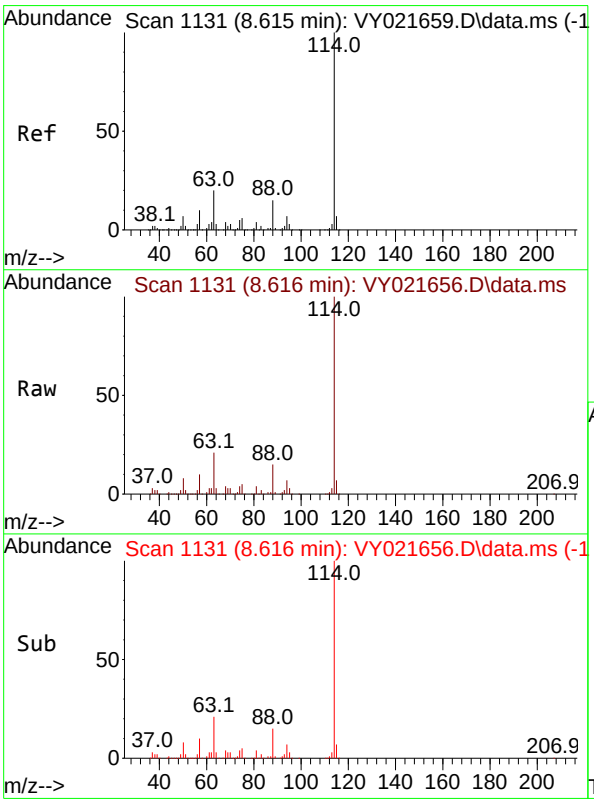
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

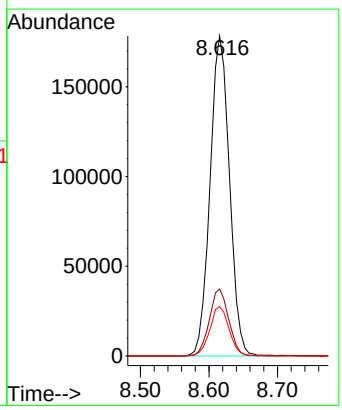
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

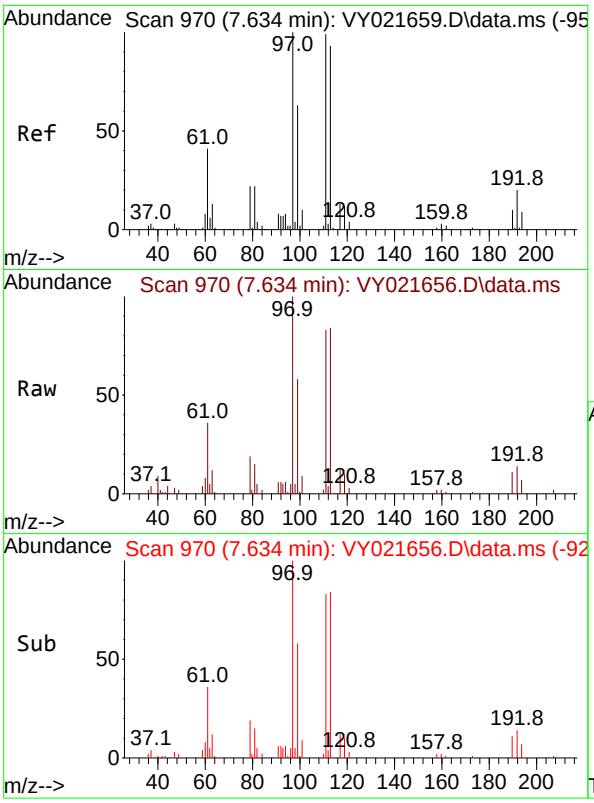


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:114 Resp: 350486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.2
88	15.4	0.0	29.8

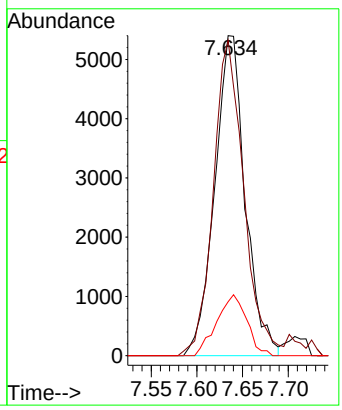




#35
Dibromofluoromethane
Concen: 5.506 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:113 Resp: 1251

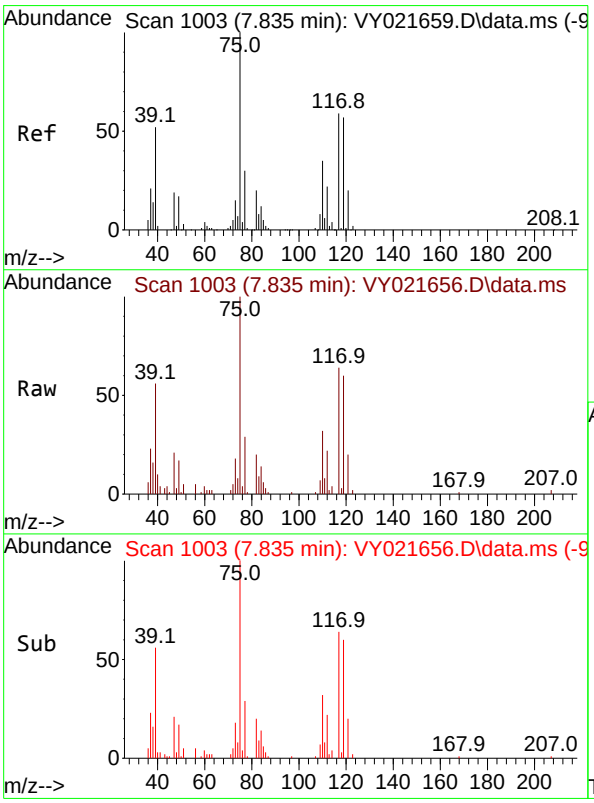
Ion	Ratio	Lower	Upper
113	100		
111	98.5	82.6	123.8
192	18.8	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

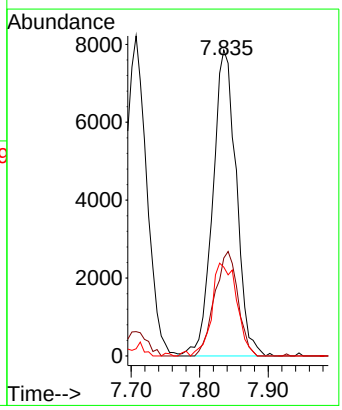
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

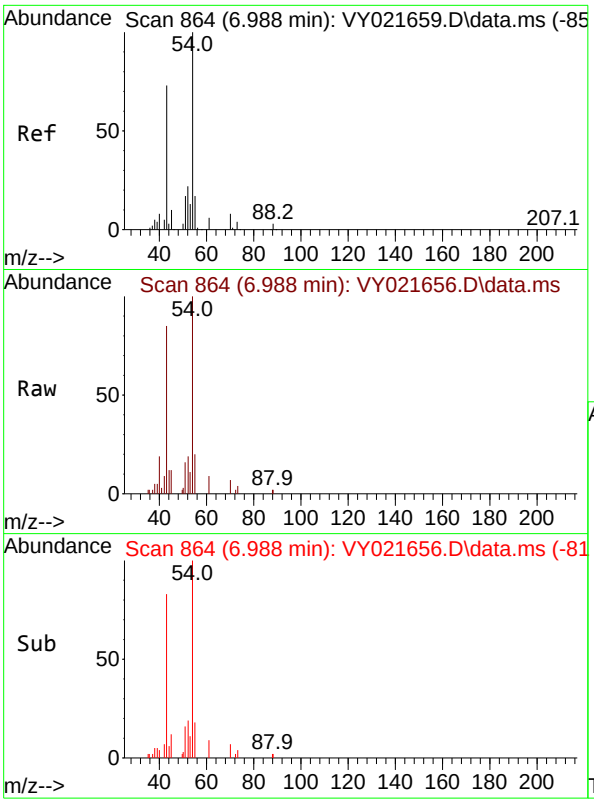


#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 18659

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.0	50.9
77	32.1	24.8	37.2





#37
Ethyl Acetate
Concen: 5.788 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

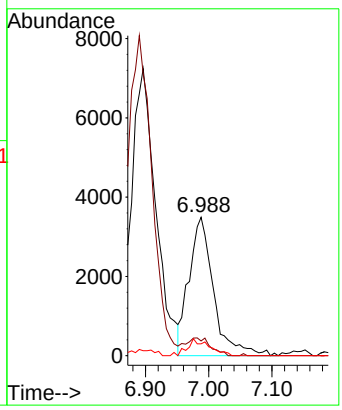
Tgt Ion: 43 Resp: 945

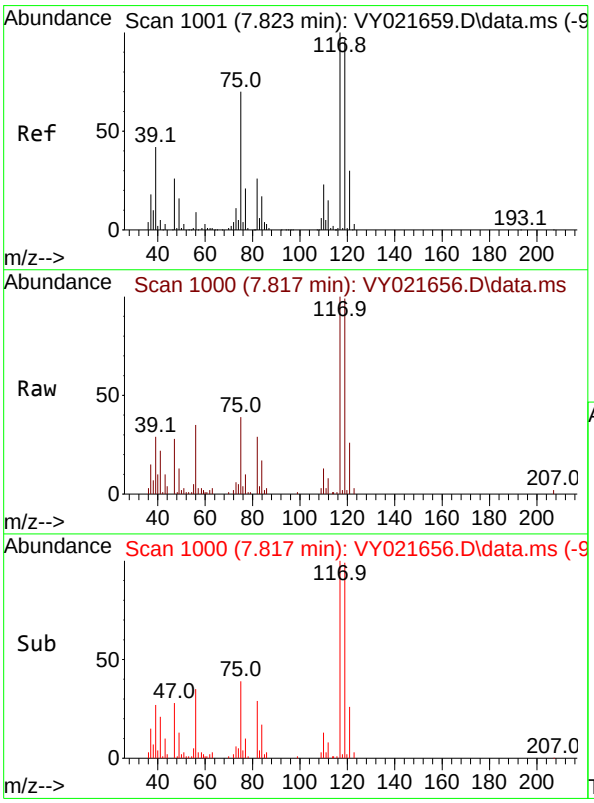
Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.0	16.6
70	10.8	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

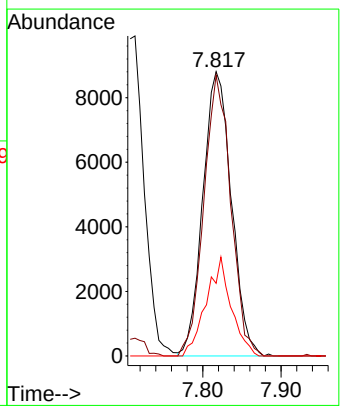


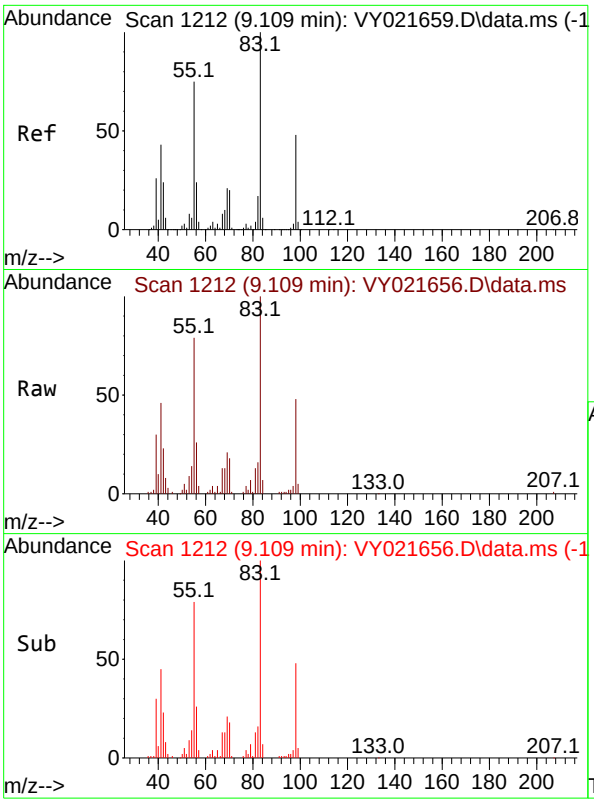


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:117 Resp: 22310

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.4
121	25.6	24.2	36.4





#39
Methylcyclohexane
Concen: 5.023 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

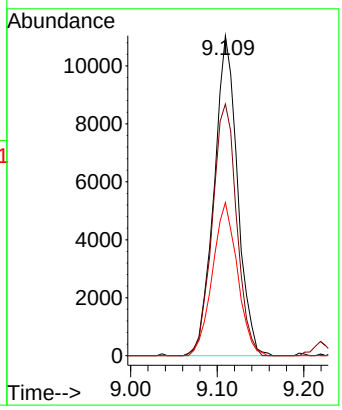
Tgt Ion: 83 Resp: 2078

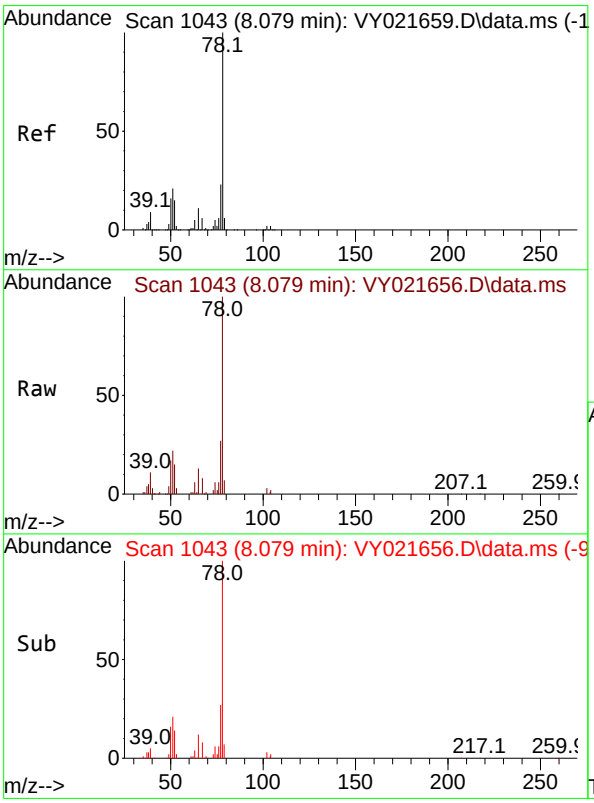
Ion	Ratio	Lower	Upper
83	100		
55	78.6	59.7	89.5
98	47.9	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

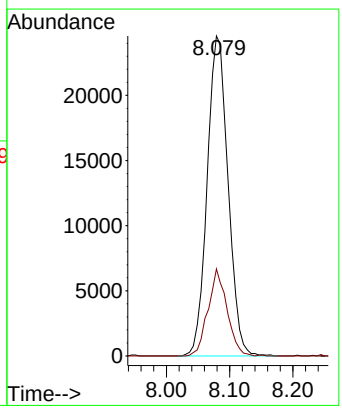


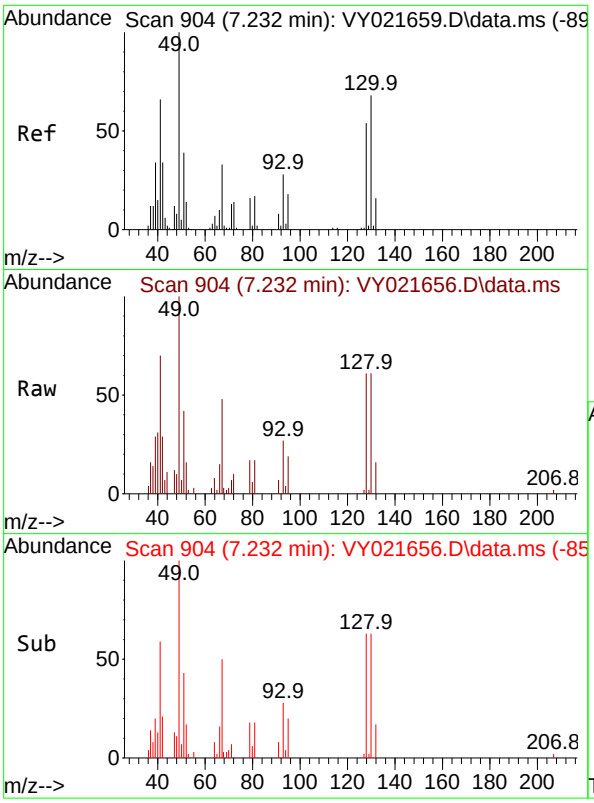


#40
Benzene
Concen: 5.427 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 78 Resp: 56287

Ion	Ratio	Lower	Upper
78	100		
77	27.2	18.8	28.2

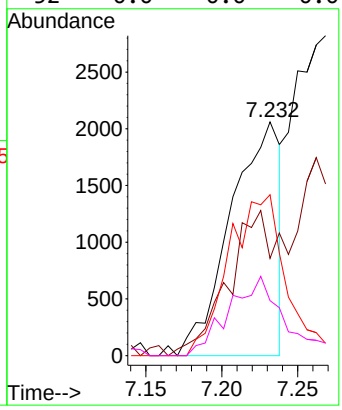




#41
Methacrylonitrile
Concen: 5.402 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 468

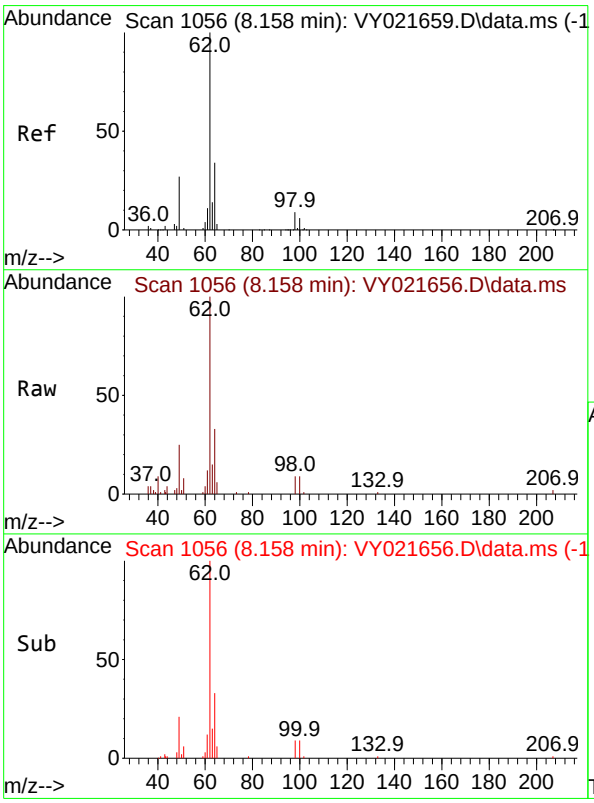
Ion	Ratio	Lower	Upper
41	100		
39	78.1	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

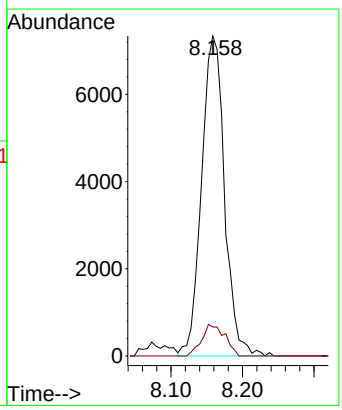
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

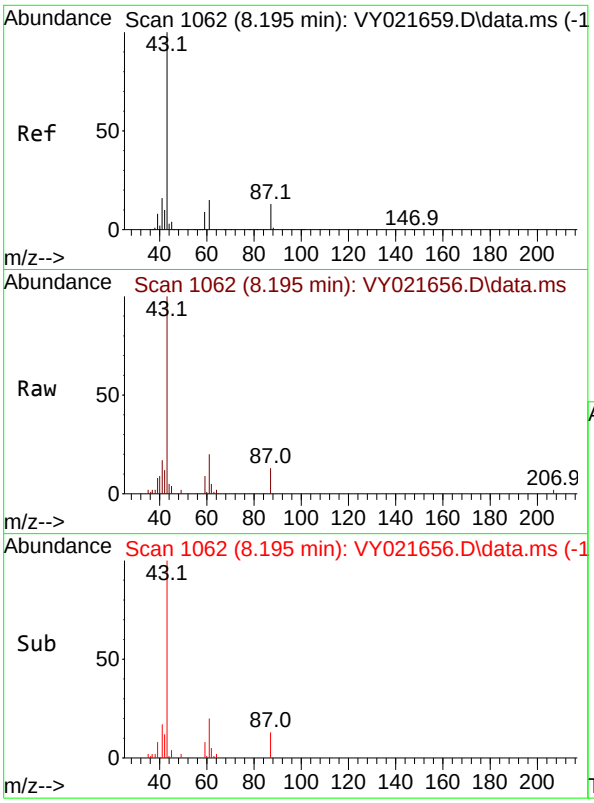


#42
1,2-Dichloroethane
Concen: 5.603 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 16381

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4

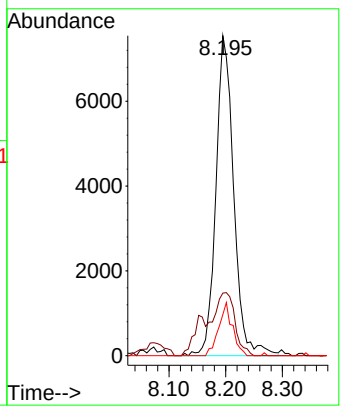




#43
Isopropyl Acetate
Concen: 5.329 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 1650

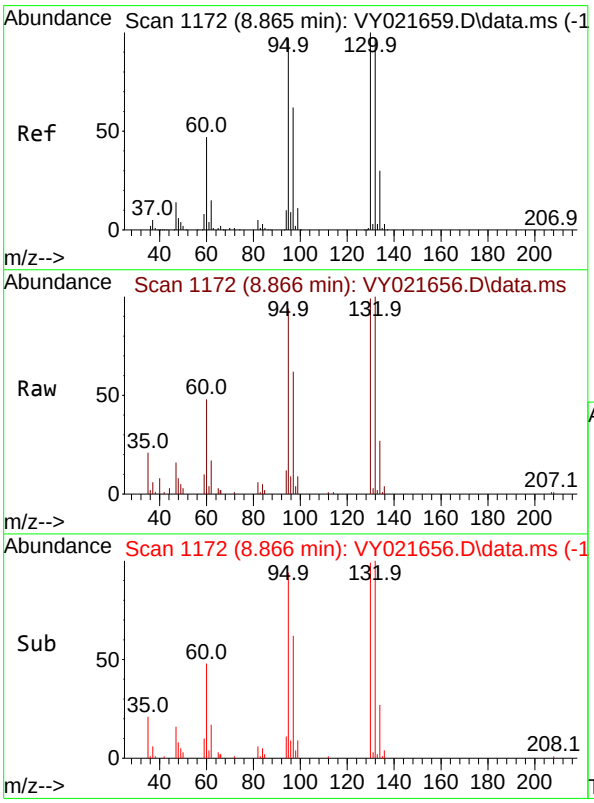
Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.9	23.9
87	12.8	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

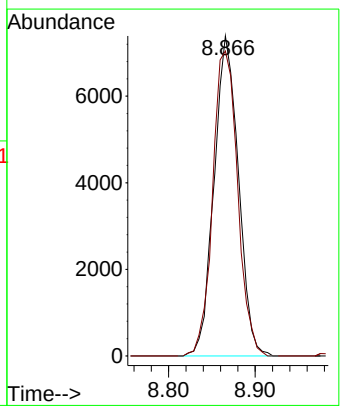
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

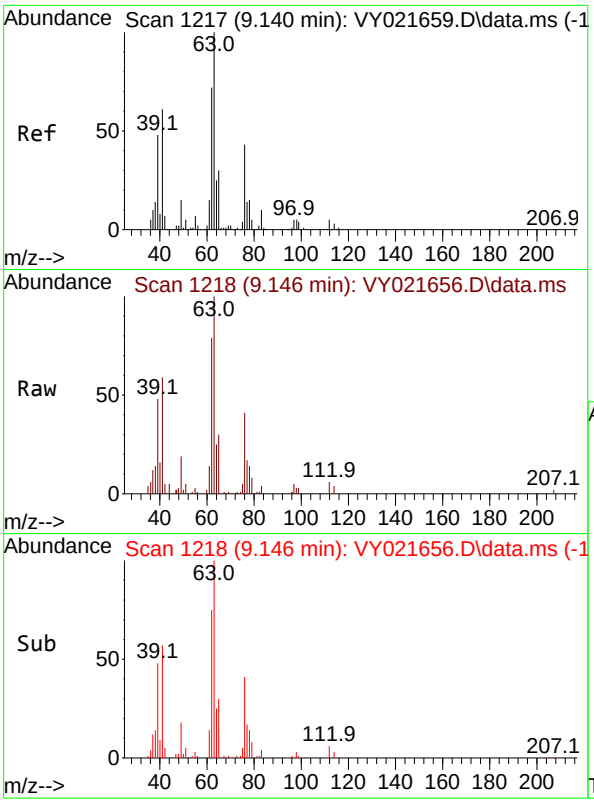


#44
Trichloroethene
Concen: 5.470 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:130 Resp: 14453

Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8

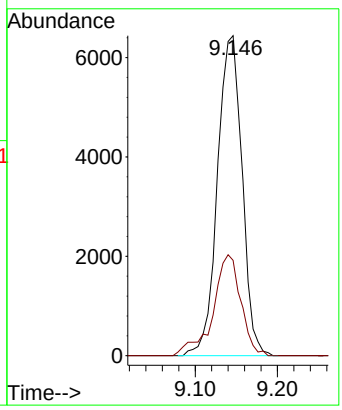




#45
1,2-Dichloropropane
Concen: 5.470 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 1342

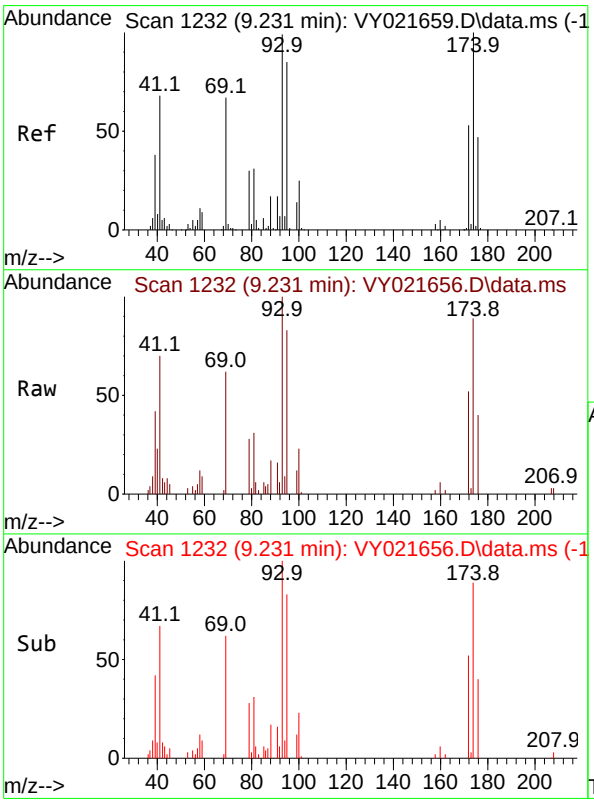
Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

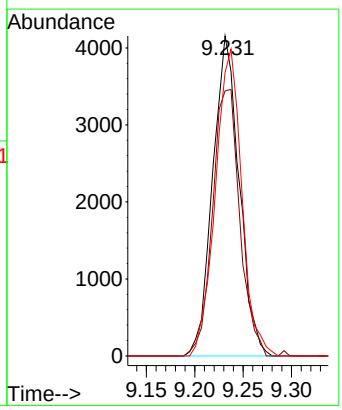
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

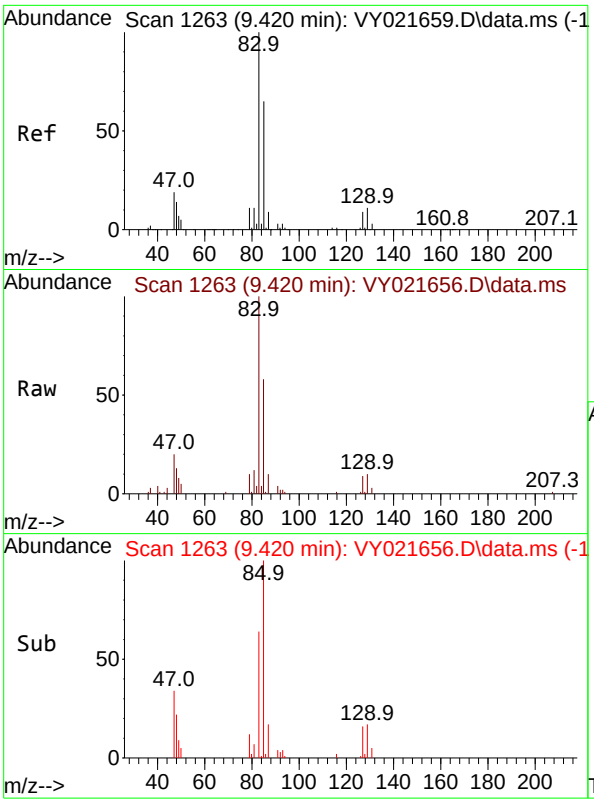


#46
Dibromomethane
Concen: 5.571 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 93 Resp: 7882

Ion	Ratio	Lower	Upper
93	100		
95	85.8	68.1	102.1
174	95.8	80.9	121.3

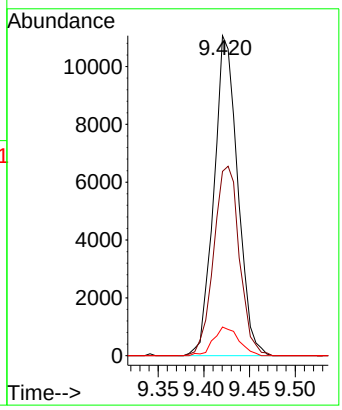




#47
Bromodichloromethane
Concen: 5.458 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 83 Resp: 2000

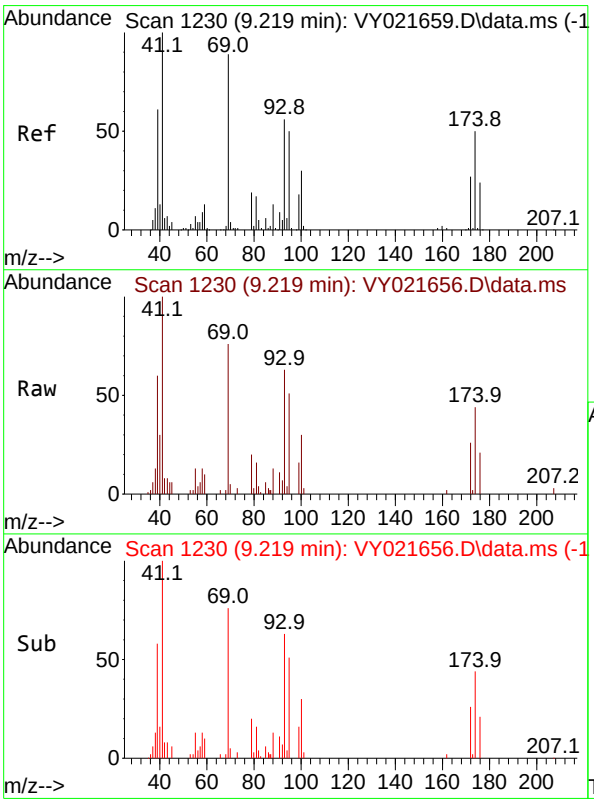
Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.8	77.6
127	9.0	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

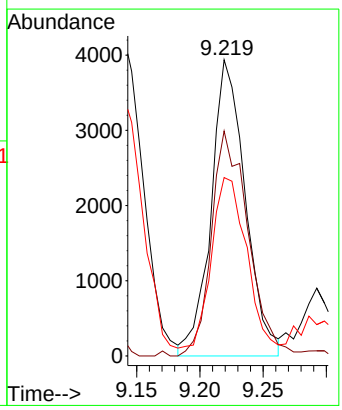
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

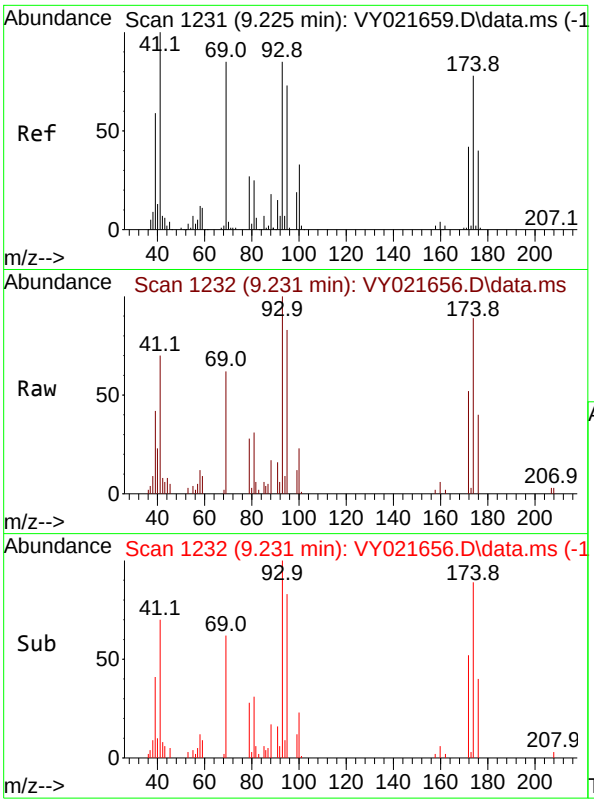


#48
Methyl methacrylate
Concen: 5.225 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 7427

Ion	Ratio	Lower	Upper
41	100		
69	81.4	69.8	104.8
39	59.4	47.2	70.8

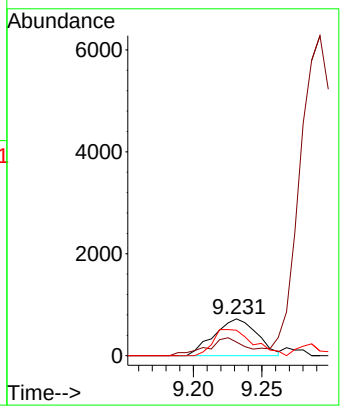




#49
1,4-Dioxane
Concen: 103.789 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 88 Resp: 157

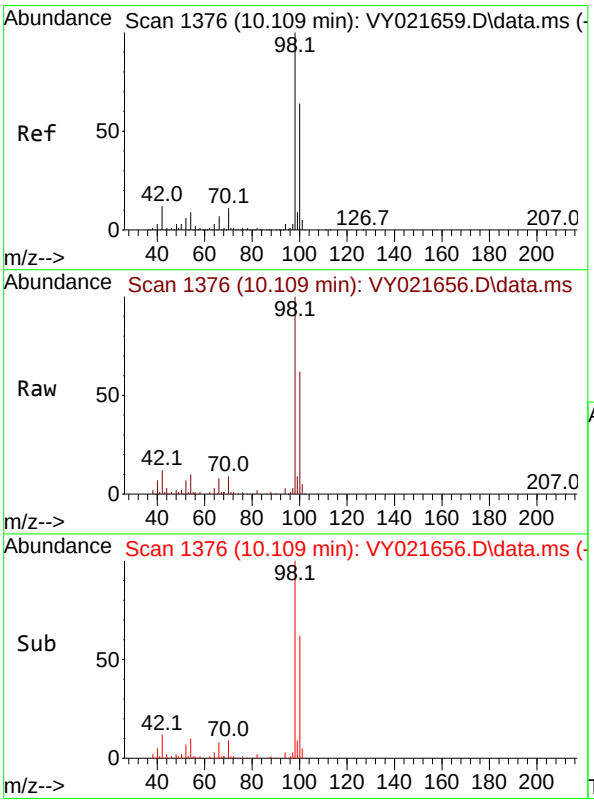
Ion	Ratio	Lower	Upper
88	100		
43	40.8	28.8	43.2
58	66.1	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

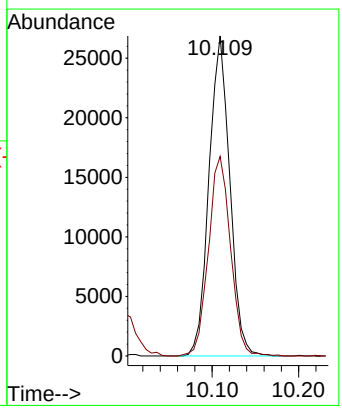
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

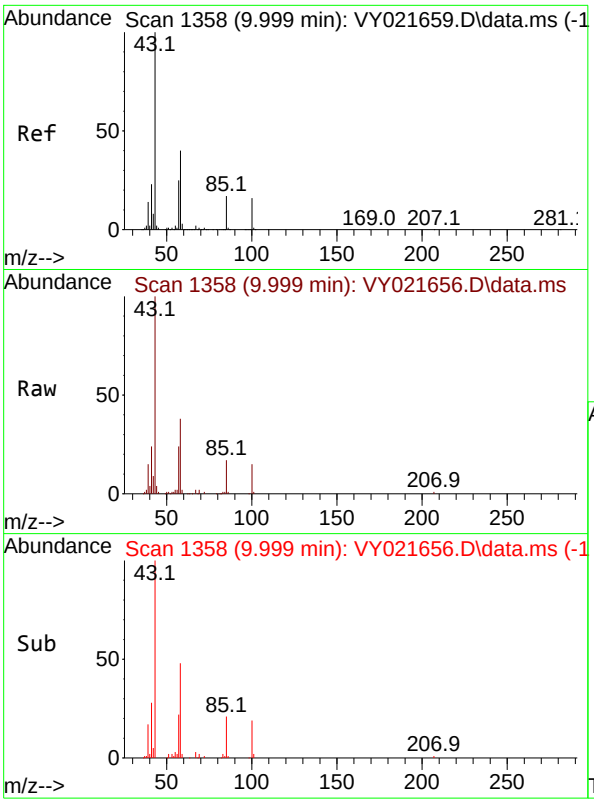


#50
Toluene-d8
Concen: 5.177 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 98 Resp: 44774

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.1	78.1

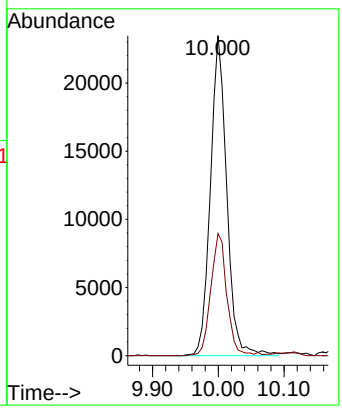




#51
4-Methyl-2-Pentanone
Concen: 25.191 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 4060

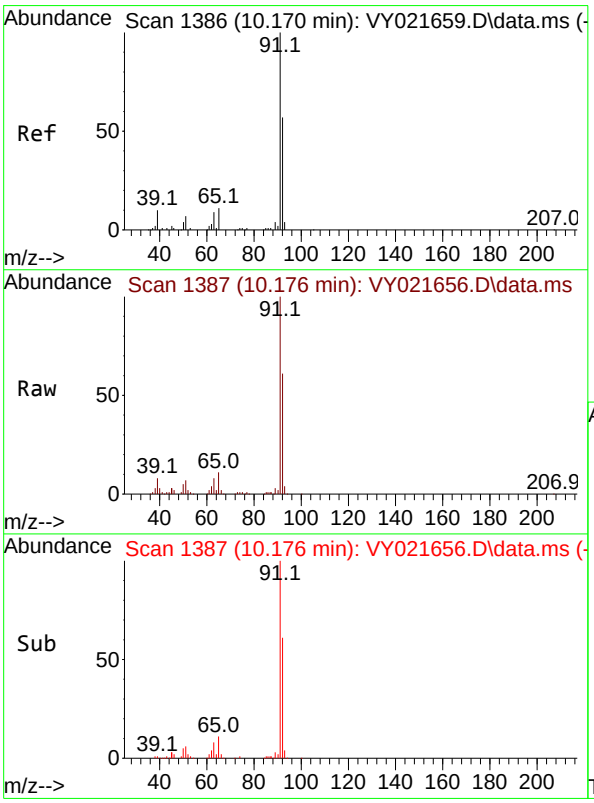
Ion	Ratio	Lower	Upper
43	100		
58	37.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

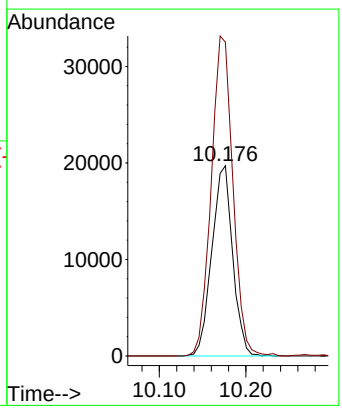
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

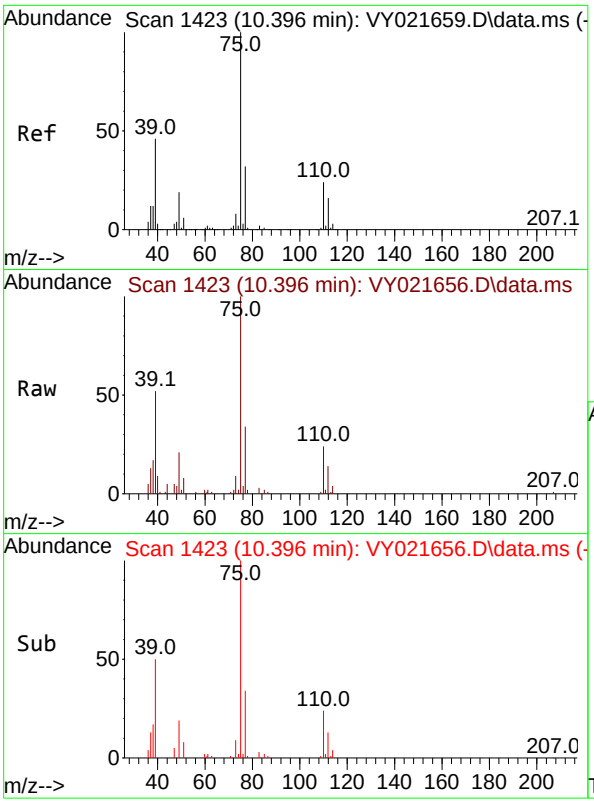


#52
Toluene
Concen: 5.093 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 92 Resp: 32954

Ion	Ratio	Lower	Upper
92	100		
91	175.0	138.6	207.8

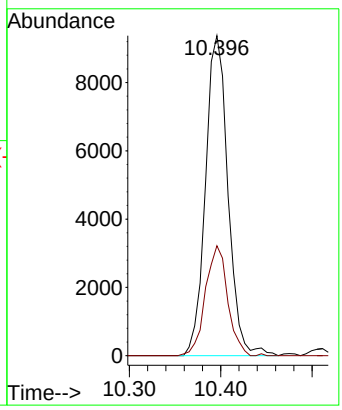




#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 1598

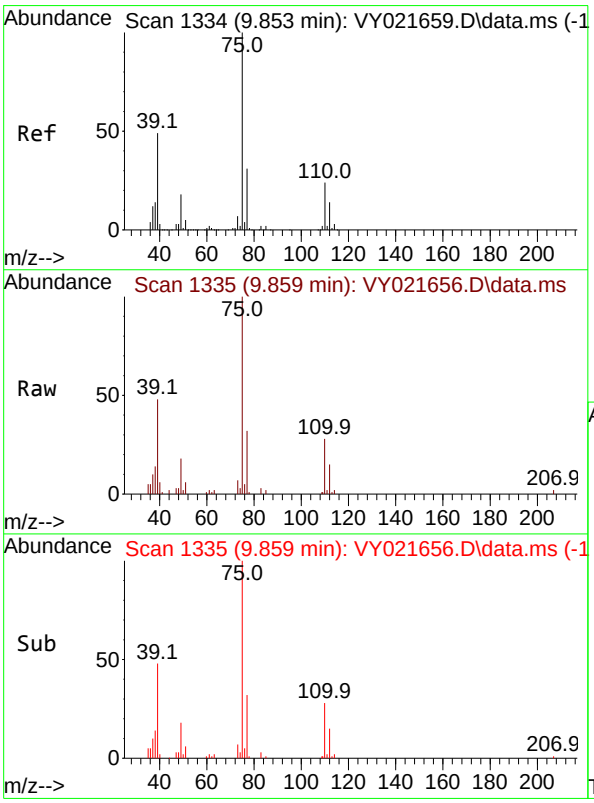
Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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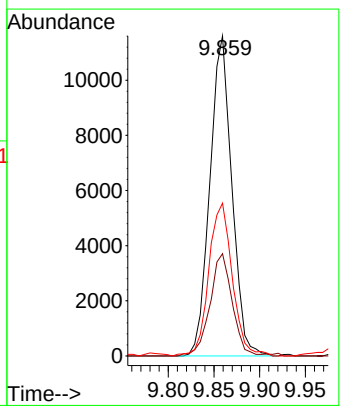
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

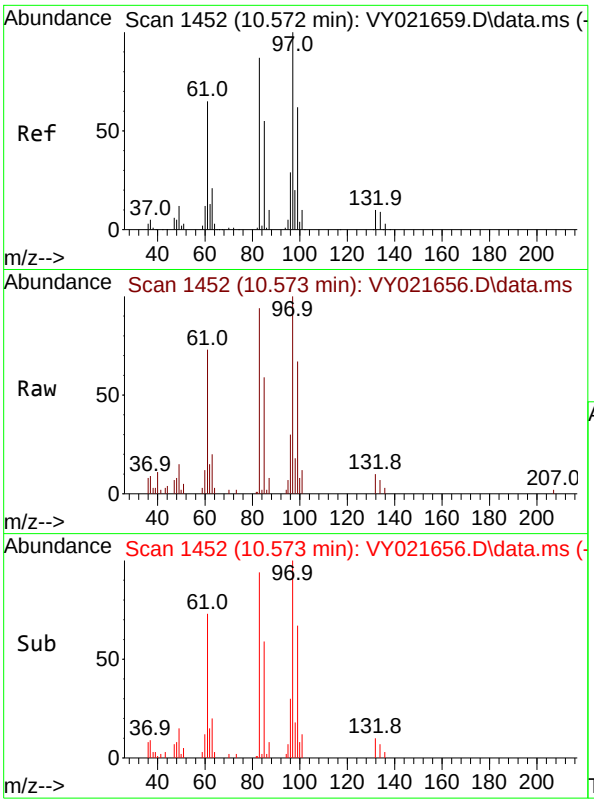


#54
cis-1,3-Dichloropropene
Concen: 5.049 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 19395

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3
39	47.7	39.2	58.8

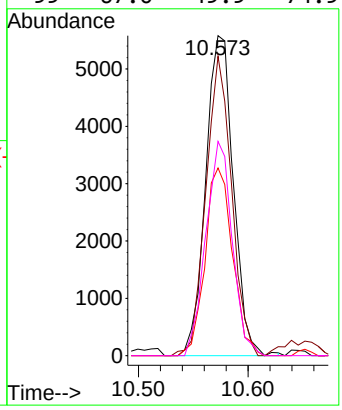




#55
1,1,2-Trichloroethane
Concen: 5.384 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 97 Resp: 980

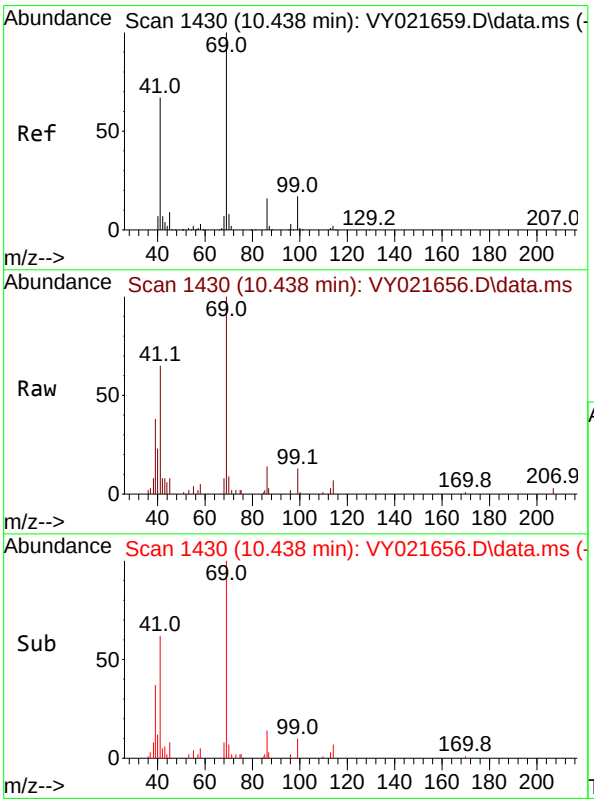
Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.5	104.3
85	58.7	43.9	65.9
99	67.0	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

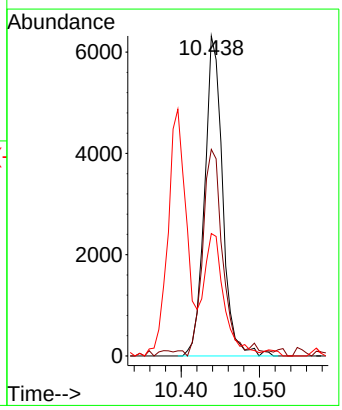
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

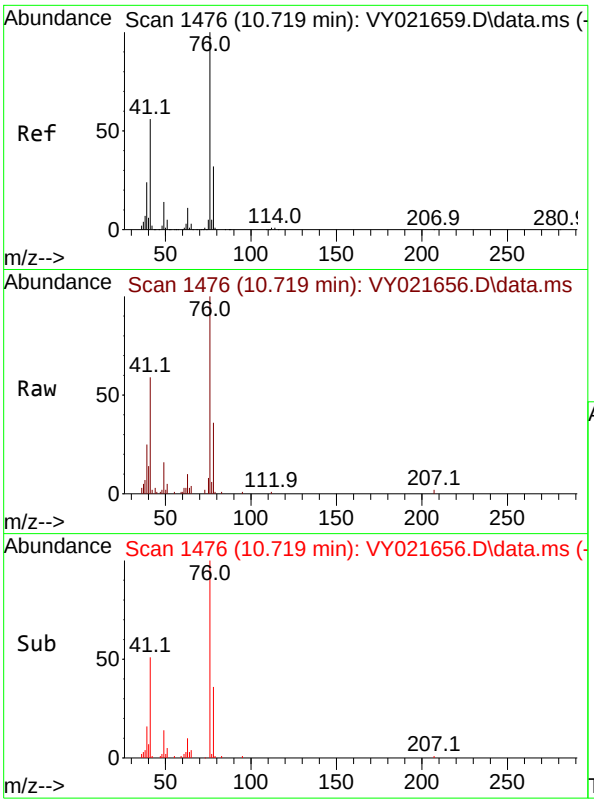


#56
Ethyl methacrylate
Concen: 4.327 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 69 Resp: 10060

Ion	Ratio	Lower	Upper
69	100		
41	71.3	53.8	80.6
39	42.5	29.6	44.4

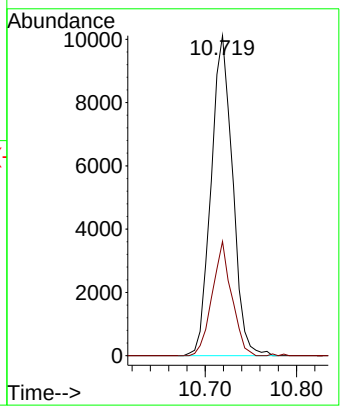




#57
1,3-Dichloropropane
Concen: 5.258 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 76 Resp: 1653

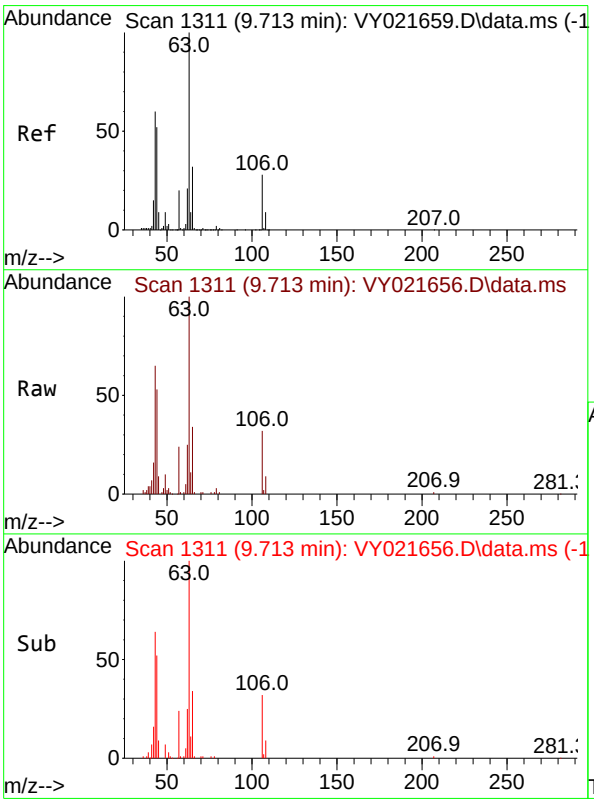
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

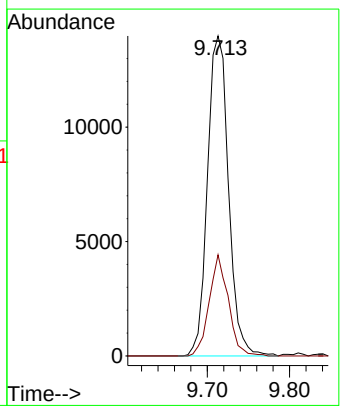
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

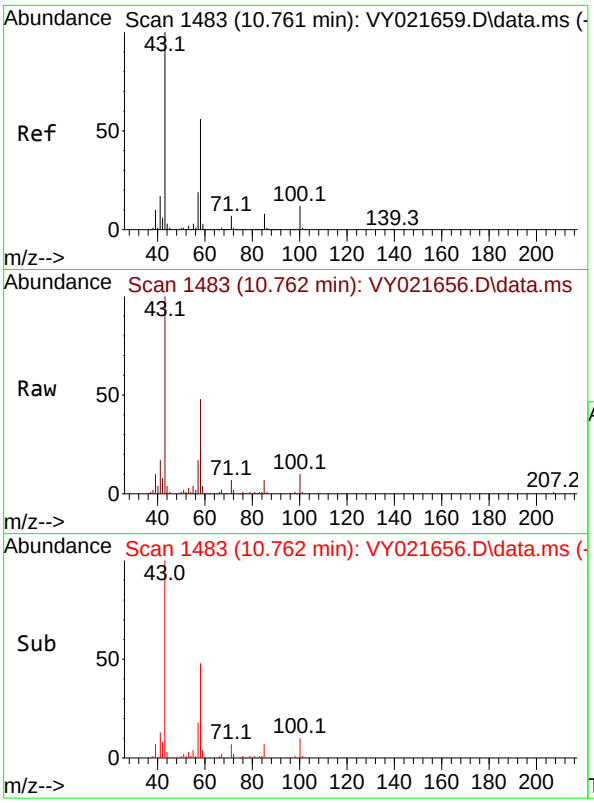


#58
2-Chloroethyl Vinyl ether
Concen: 21.959 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 24903

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.4	33.6





#59
2-Hexanone
Concen: 25.145 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

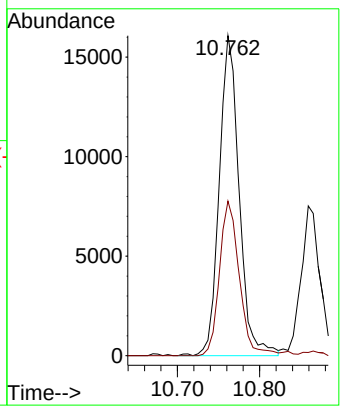
Tgt Ion: 43 Resp: 2699

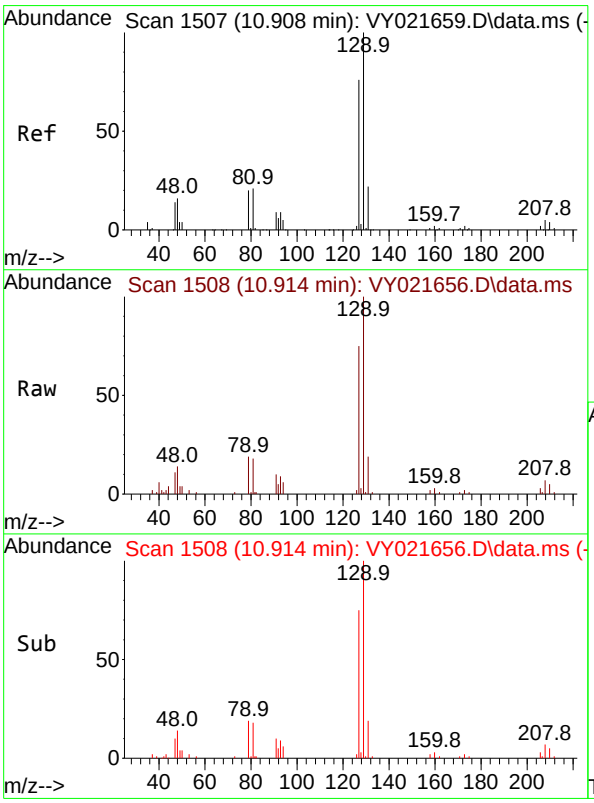
Ion	Ratio	Lower	Upper
43	100		
58	48.9	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

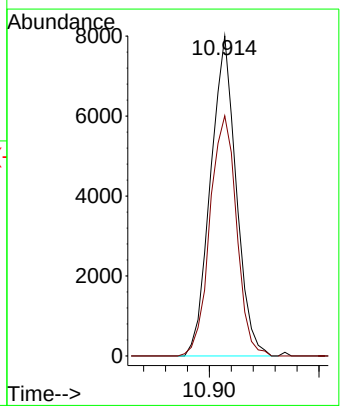


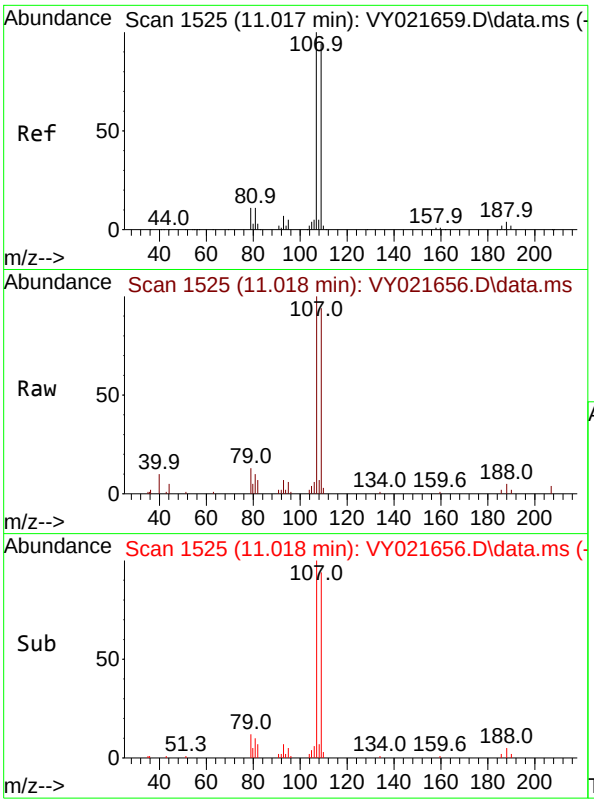


#60
Dibromochloromethane
Concen: 5.231 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:129 Resp: 13002

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7





#61
1,2-Dibromoethane
Concen: 5.472 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

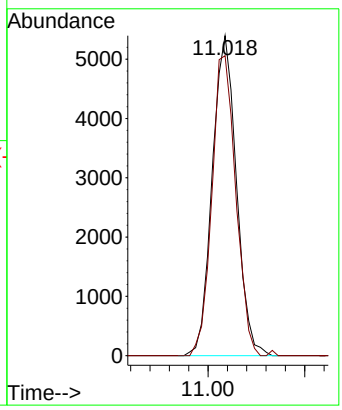
Tgt Ion:107 Resp: 934

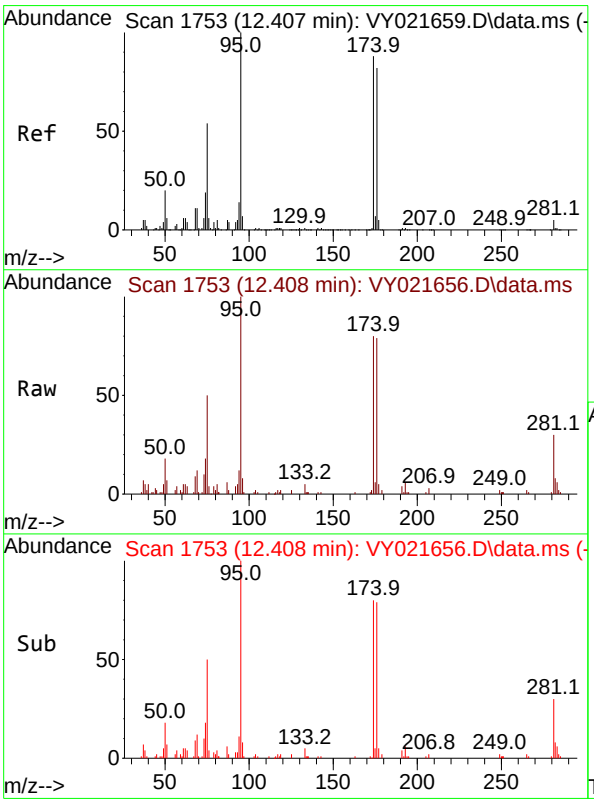
Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

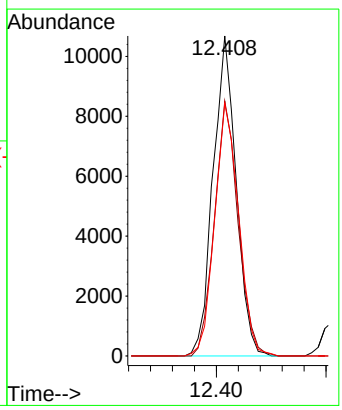


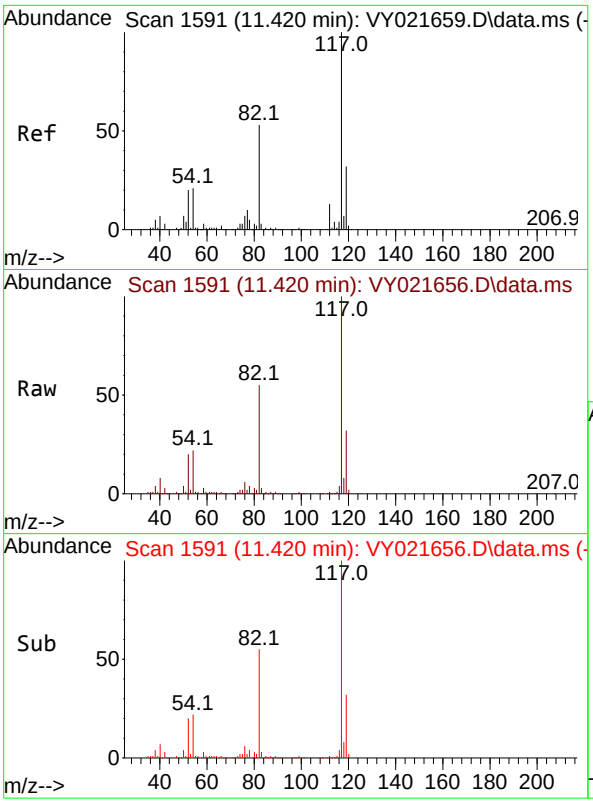


#62
4-Bromofluorobenzene
Concen: 5.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 95 Resp: 15657

Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	170.8
176	81.7	0.0	162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

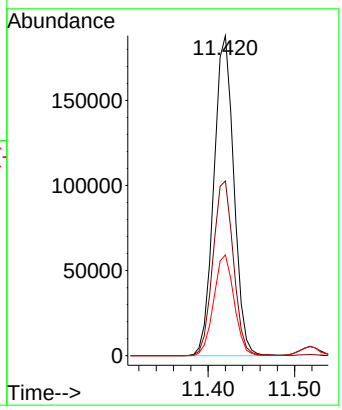
Tgt Ion:117 Resp: 30138

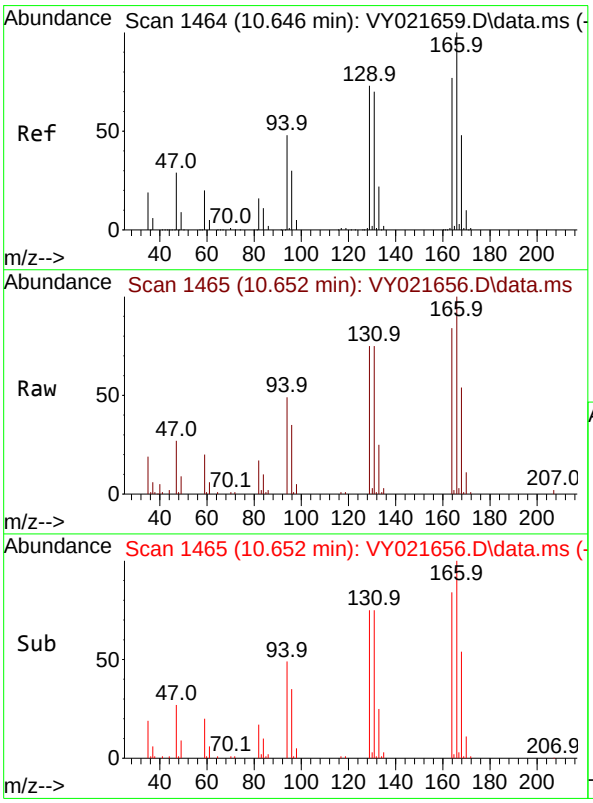
Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	31.5	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

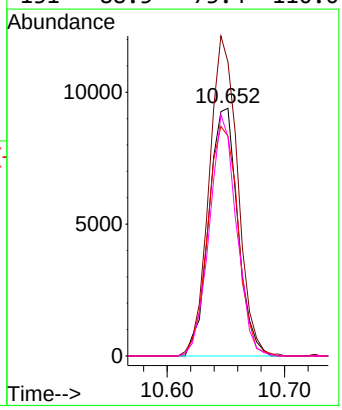


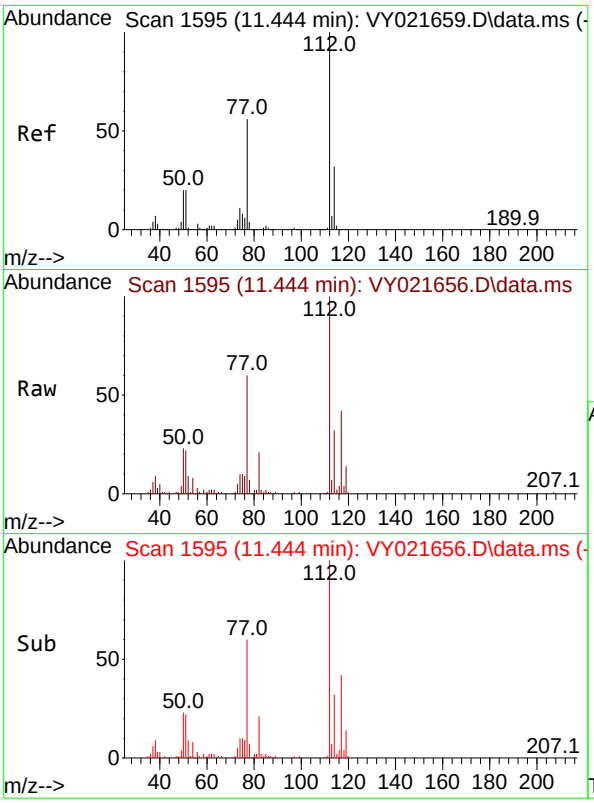


#64
Tetrachloroethene
Concen: 5.860 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:164 Resp: 16085

Ion	Ratio	Lower	Upper
164	100		
166	118.7	104.6	156.8
129	88.8	76.6	114.8
131	88.5	73.4	110.0

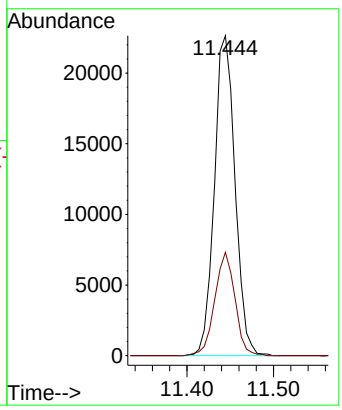




#65
Chlorobenzene
Concen: 5.429 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:112 Resp: 3750

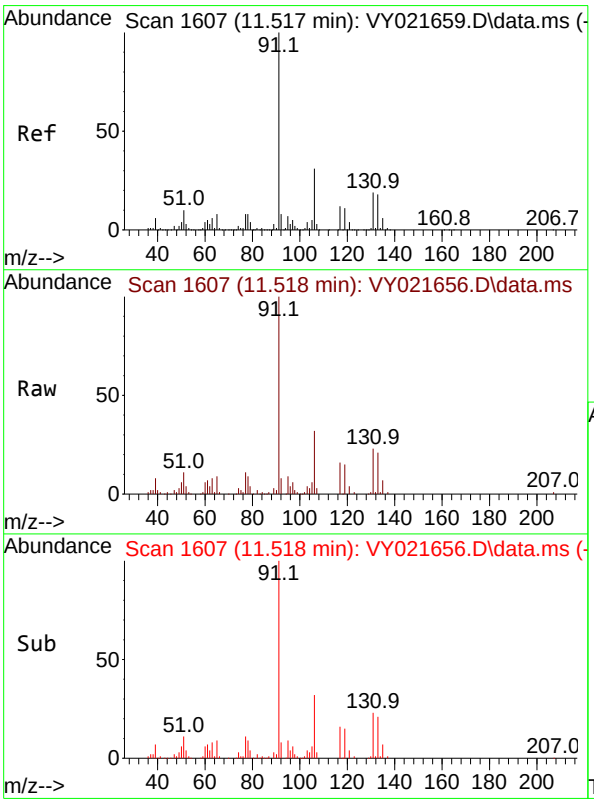
Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

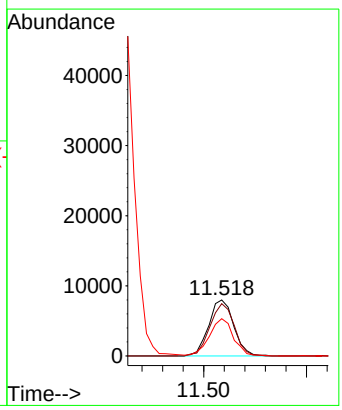
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

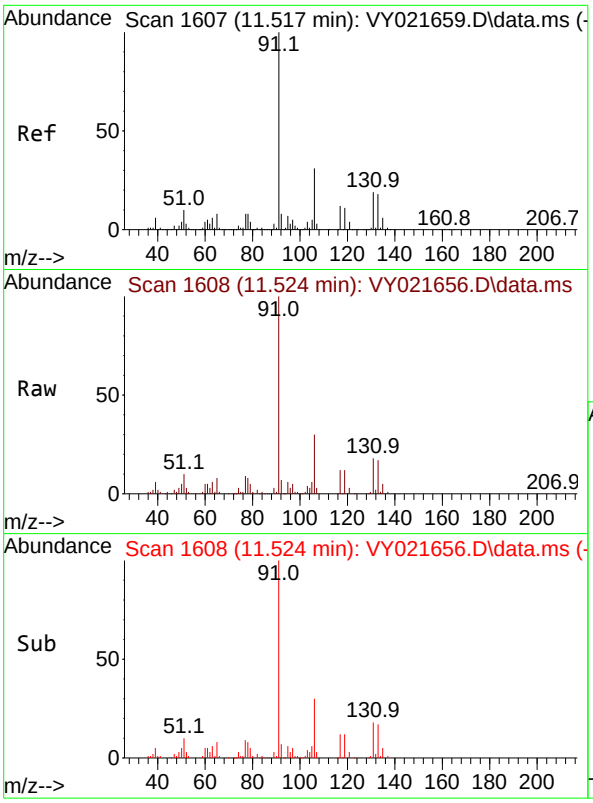


#66
1,1,1,2-Tetrachloroethane
Concen: 5.506 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:131 Resp: 13496

Ion	Ratio	Lower	Upper
131	100		
133	91.0	47.3	141.8
119	64.0	31.6	95.0

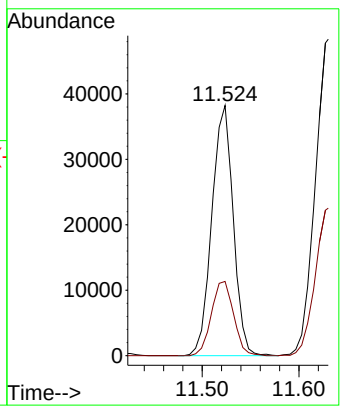




#67
Ethyl Benzene
Concen: 4.959 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 5875

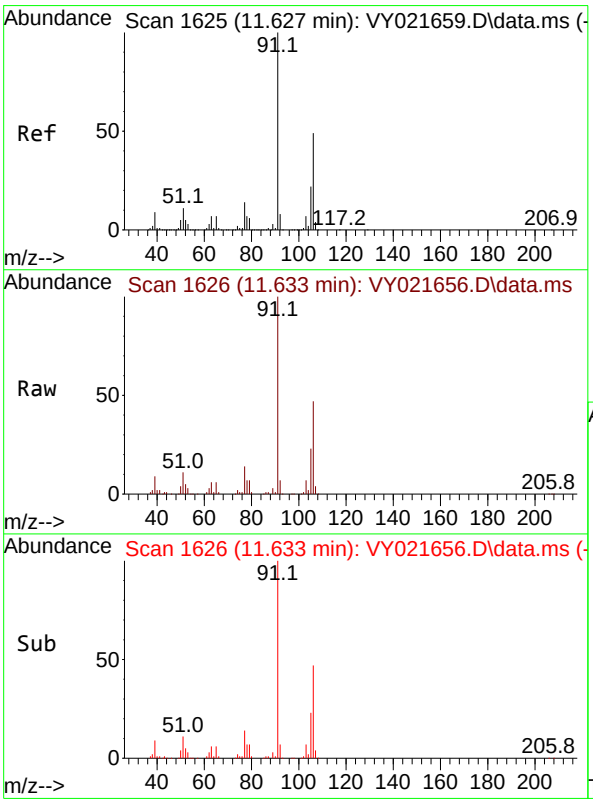
Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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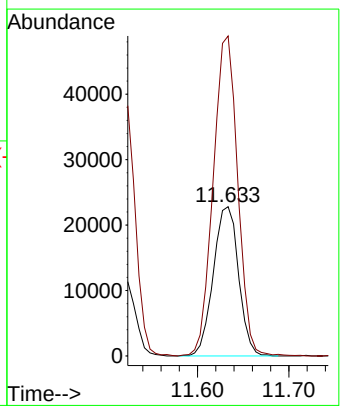
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

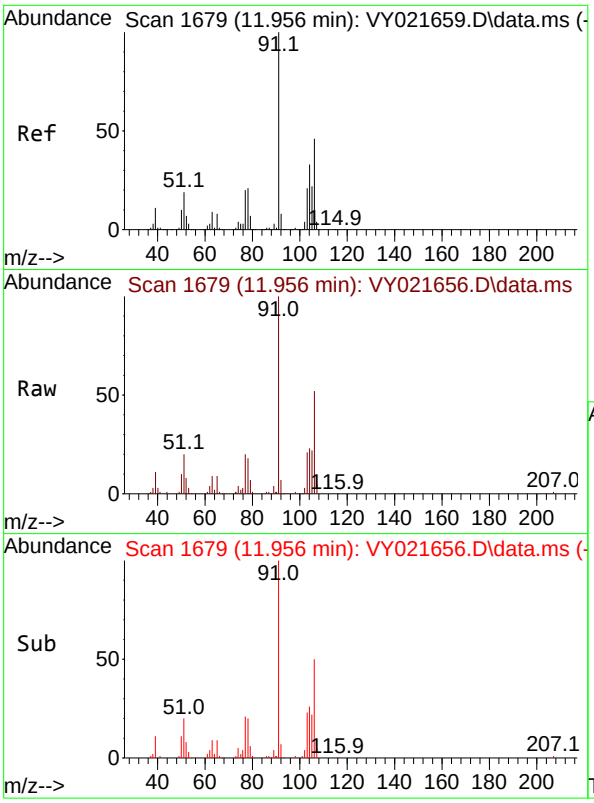


#68
m/p-Xylenes
Concen: 9.652 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:106 Resp: 43785

Ion	Ratio	Lower	Upper
106	100		
91	208.3	162.4	243.6





#69
o-Xylene
Concen: 4.786 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

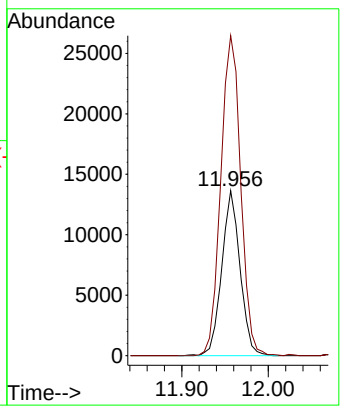
Tgt Ion:106 Resp: 2004

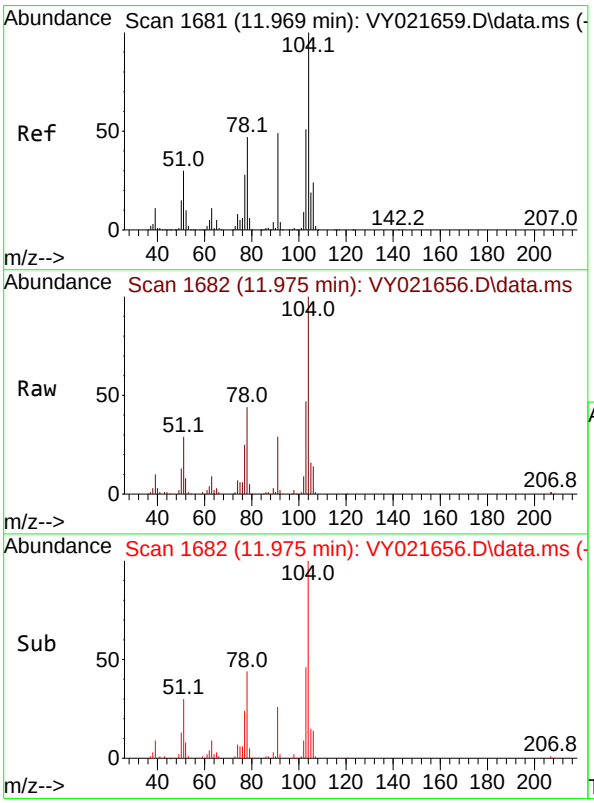
Ion	Ratio	Lower	Upper
106	100		
91	210.7	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

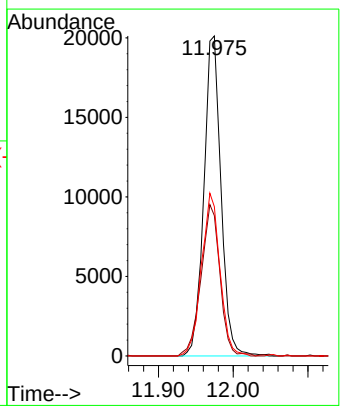


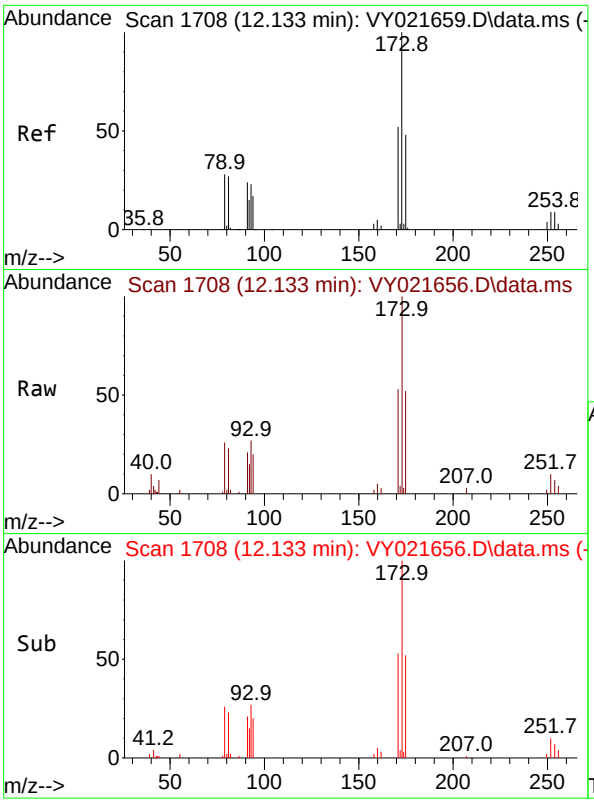


#70
Styrene
Concen: 4.594 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:104 Resp: 32075

Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.8	61.2
103	54.8	44.2	66.2

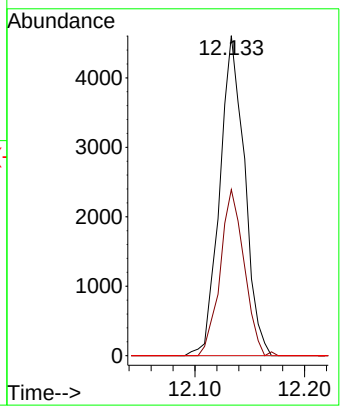




#71
Bromoform
Concen: 5.187 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:173 Resp: 725

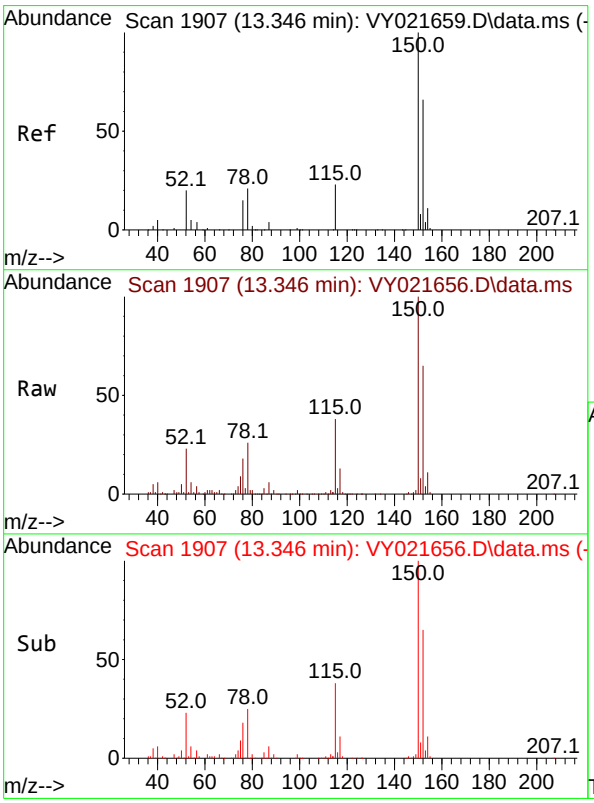
Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

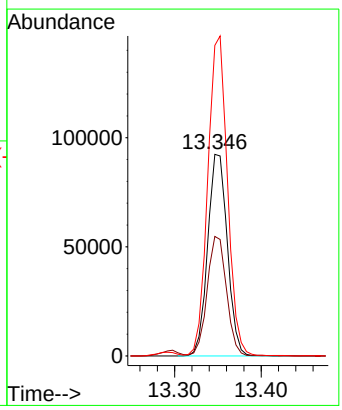
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

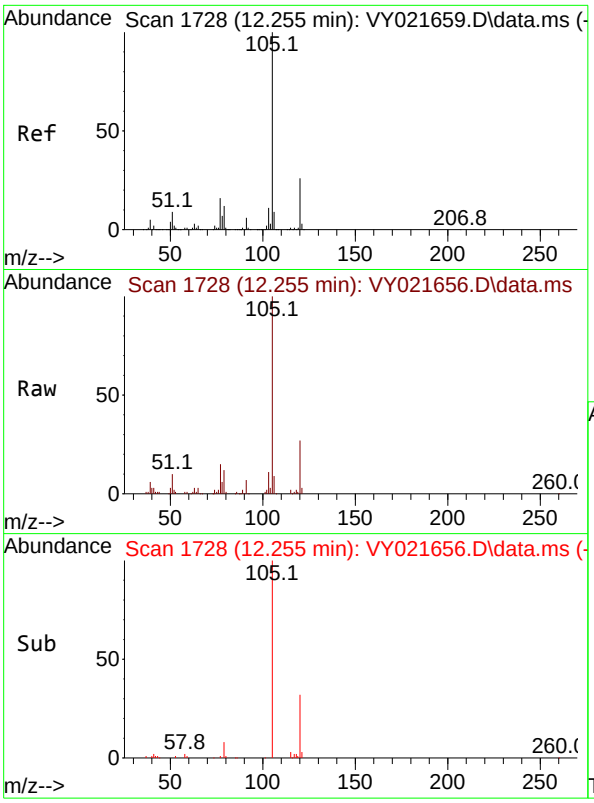


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:152 Resp: 145682

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	158.9	0.0	348.4

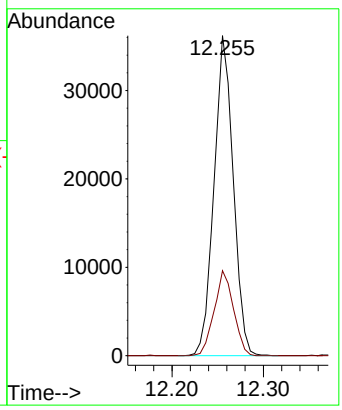




#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 5286

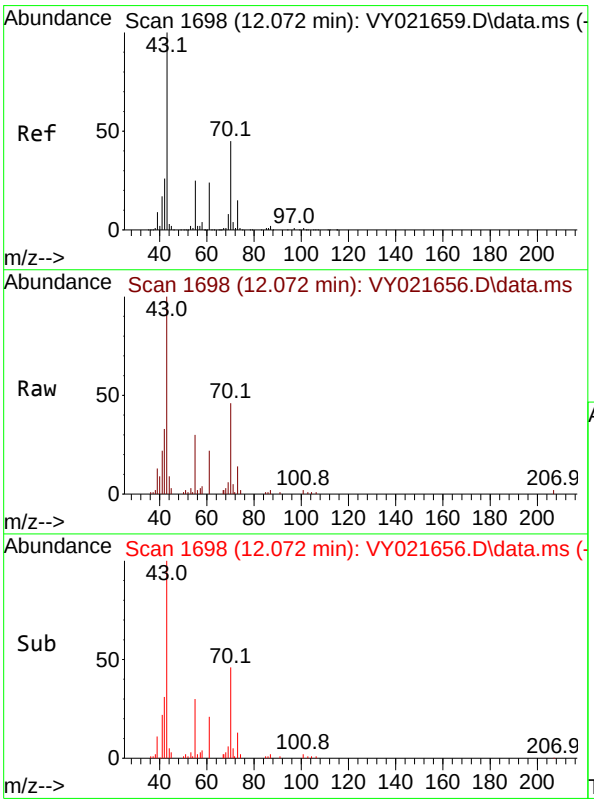
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

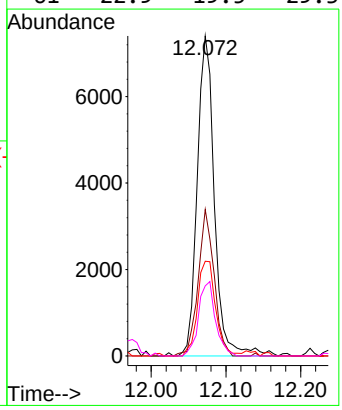
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

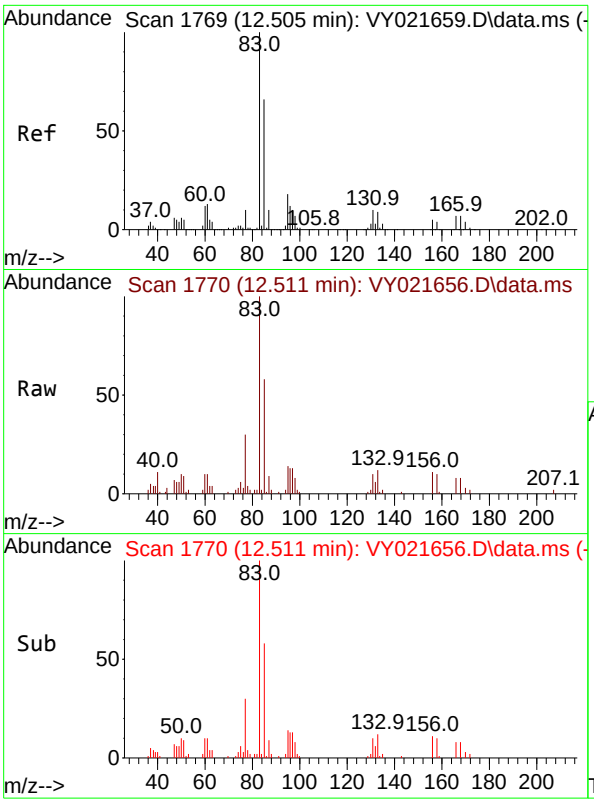


#74
N-amyl acetate
Concen: 4.660 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 11835

Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.7	52.1
55	31.4	21.2	31.8
61	22.9	19.5	29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 5.723 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

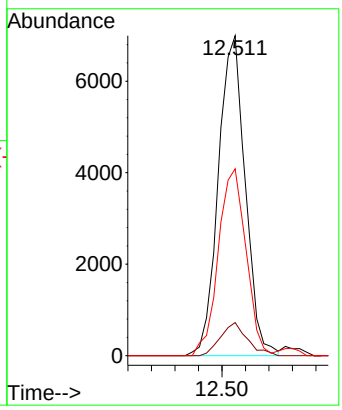
Tgt Ion: 83 Resp: 1113

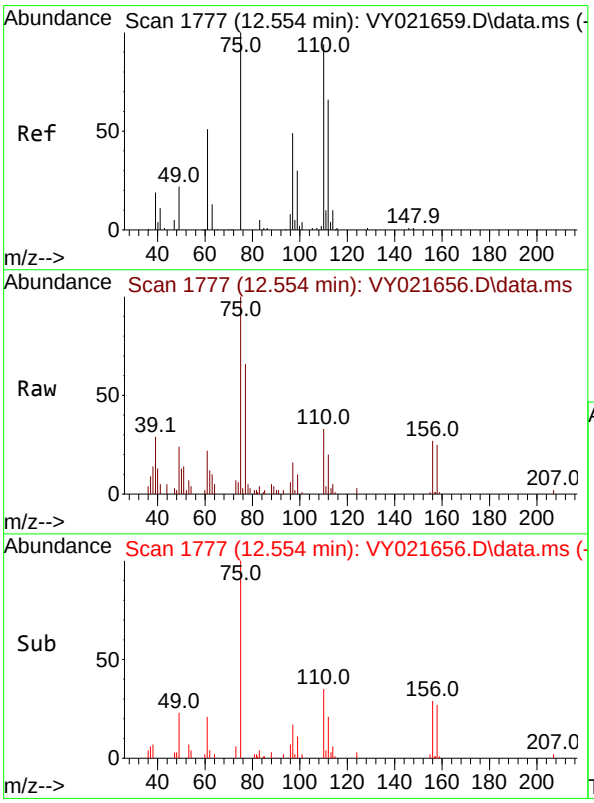
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	60.1	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

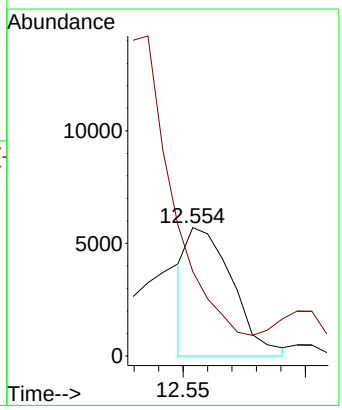


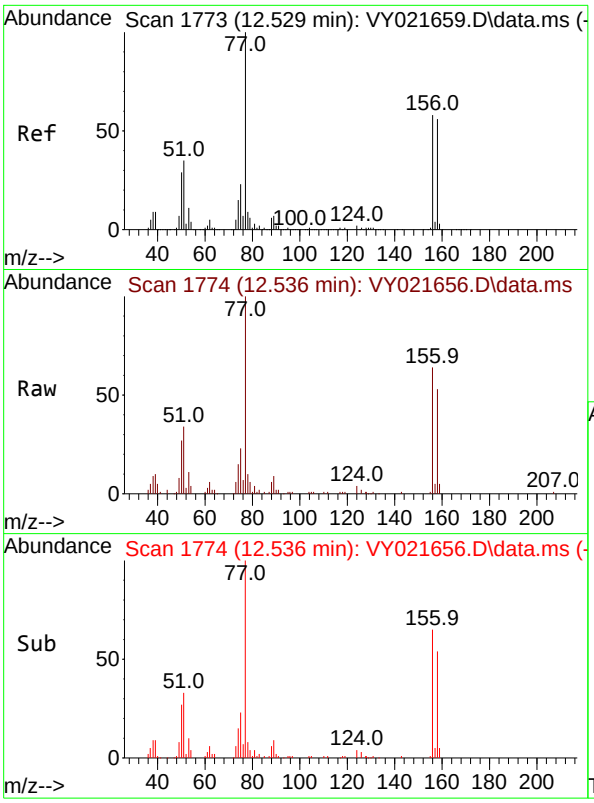


#76
1,2,3-Trichloropropane
Concen: 5.106 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 7373

Ion	Ratio	Lower	Upper
75	100		
77	351.5	0.0	0.0#

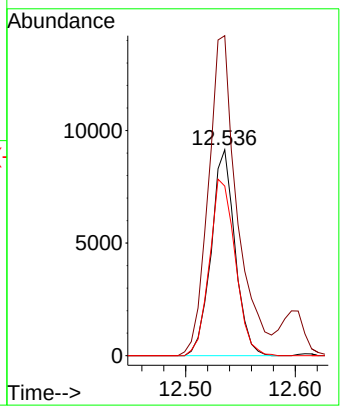




#77
Bromobenzene
Concen: 5.305 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:156 Resp: 1378

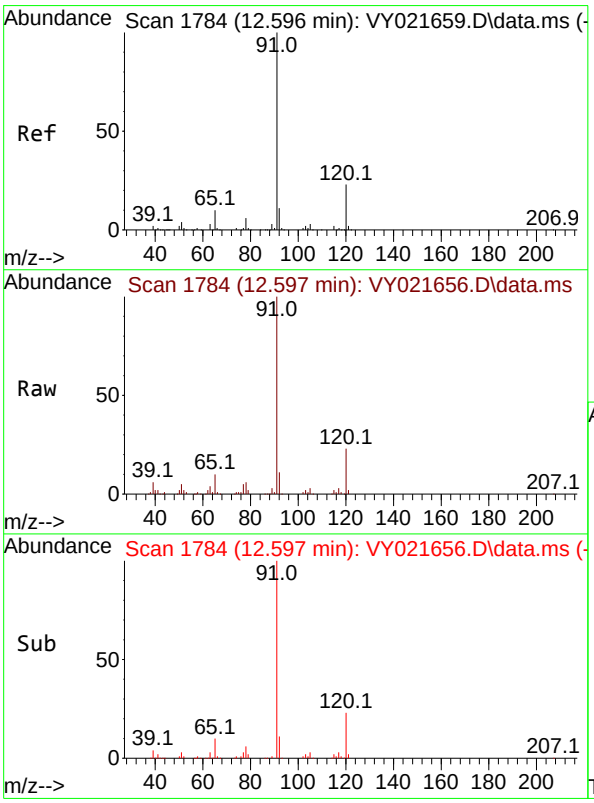
Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.8	278.3
158	93.2	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

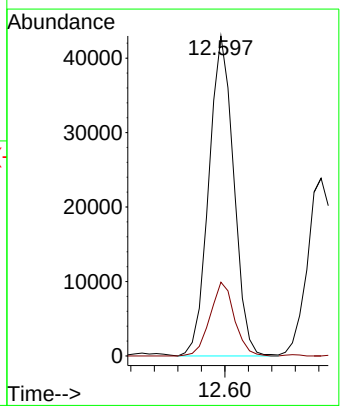
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

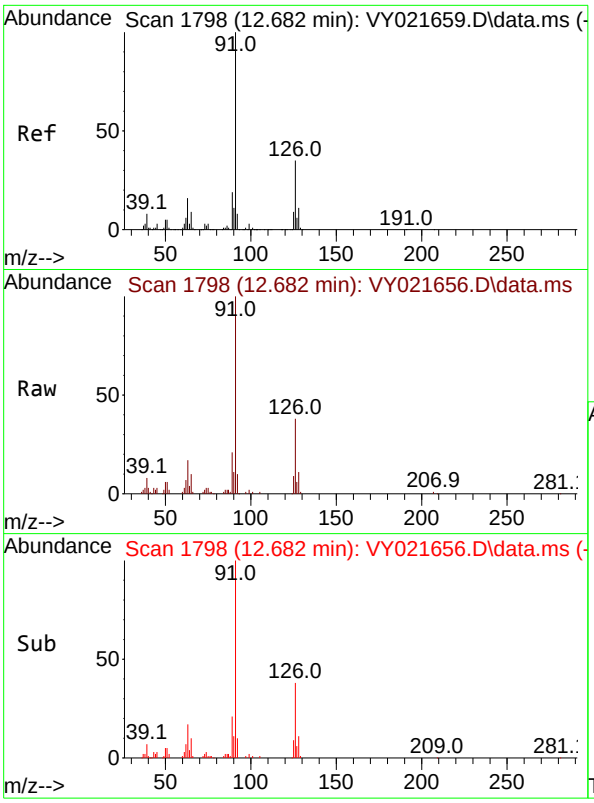


#78
n-propylbenzene
Concen: 4.868 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 63324

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

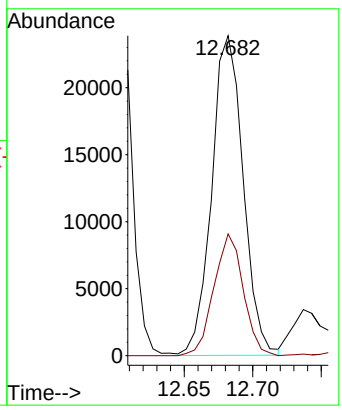




#79
2-Chlorotoluene
Concen: 5.044 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 3810

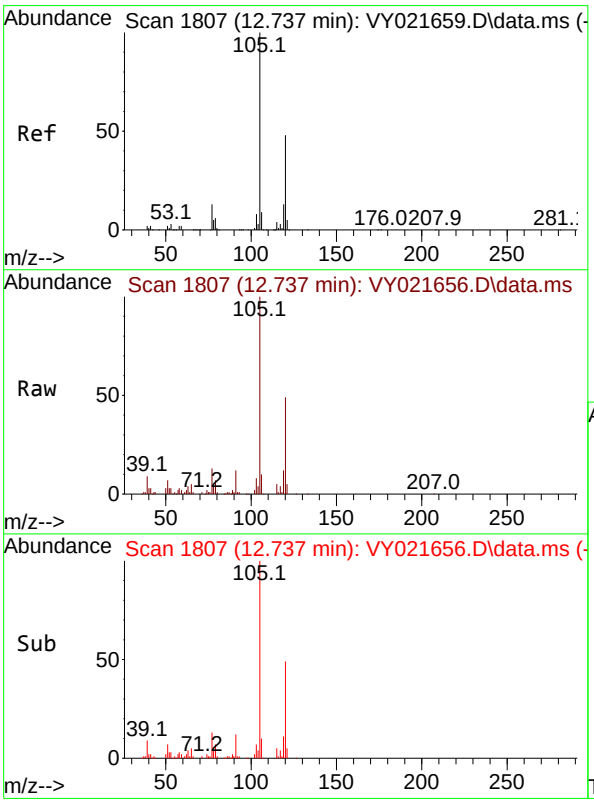
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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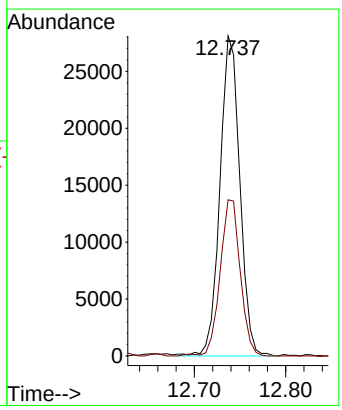
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

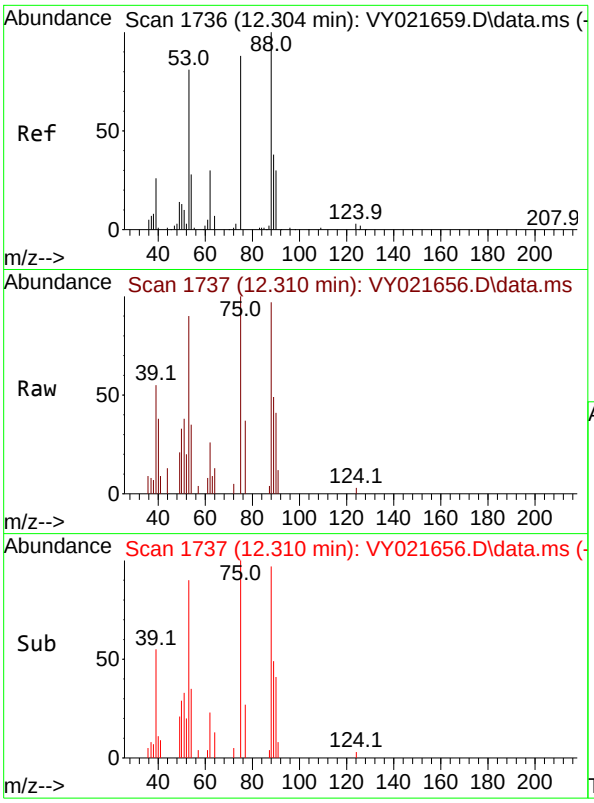


#80
1,3,5-Trimethylbenzene
Concen: 4.806 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 42499

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 4.823 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

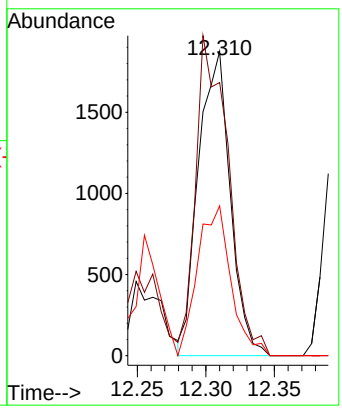
Tgt Ion: 75 Resp: 302

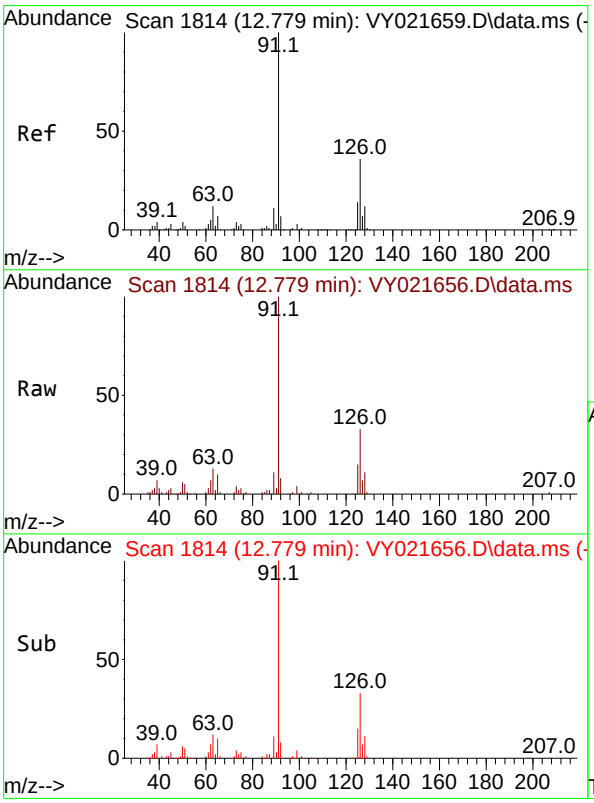
Ion	Ratio	Lower	Upper
75	100		
53	107.4	76.1	114.1
89	51.7	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

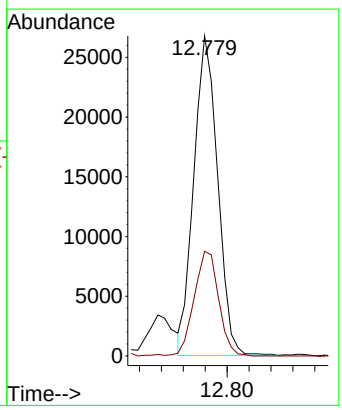


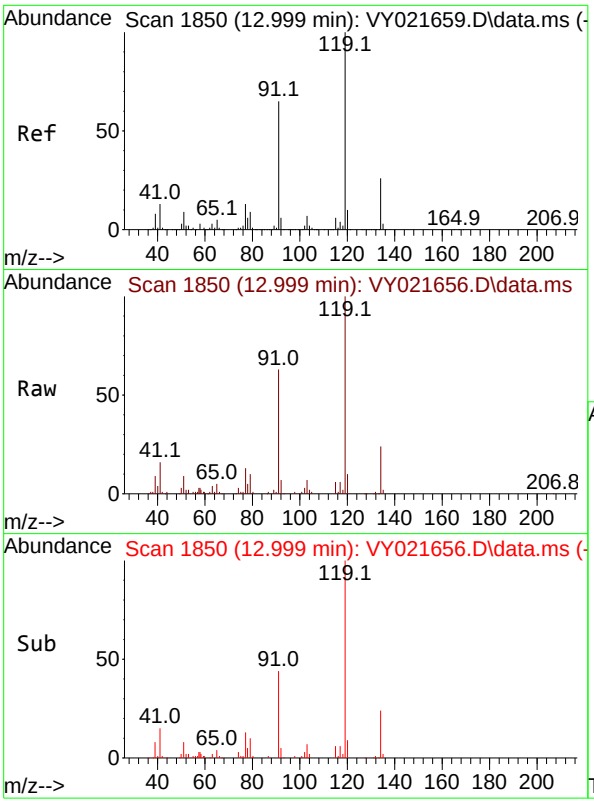


#82
4-Chlorotoluene
Concen: 5.119 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 40326

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

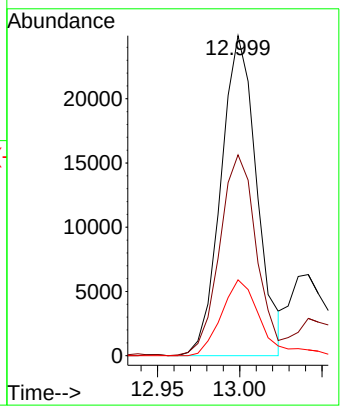




#83
tert-Butylbenzene
Concen: 4.801 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:119 Resp: 3781

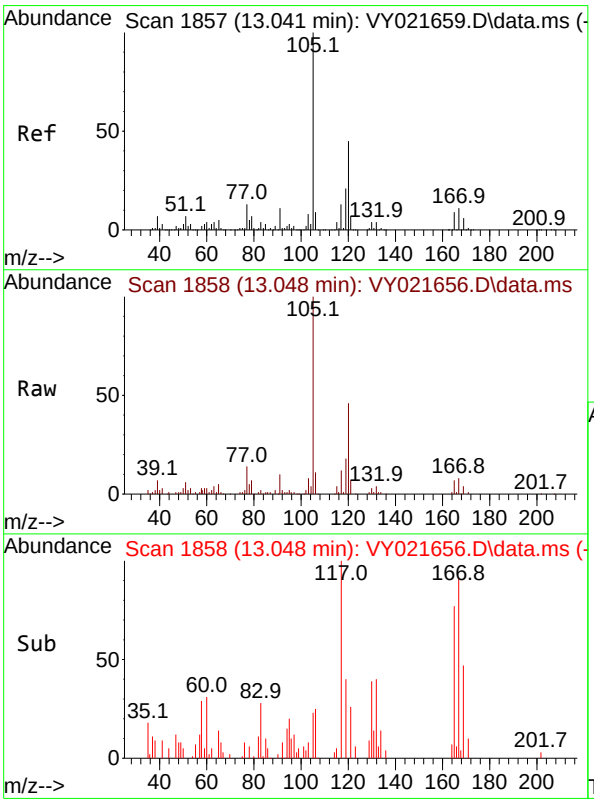
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.6	97.7
134	26.1	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

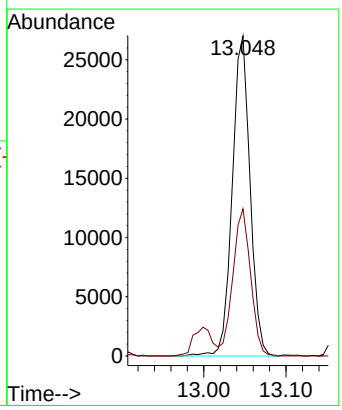
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

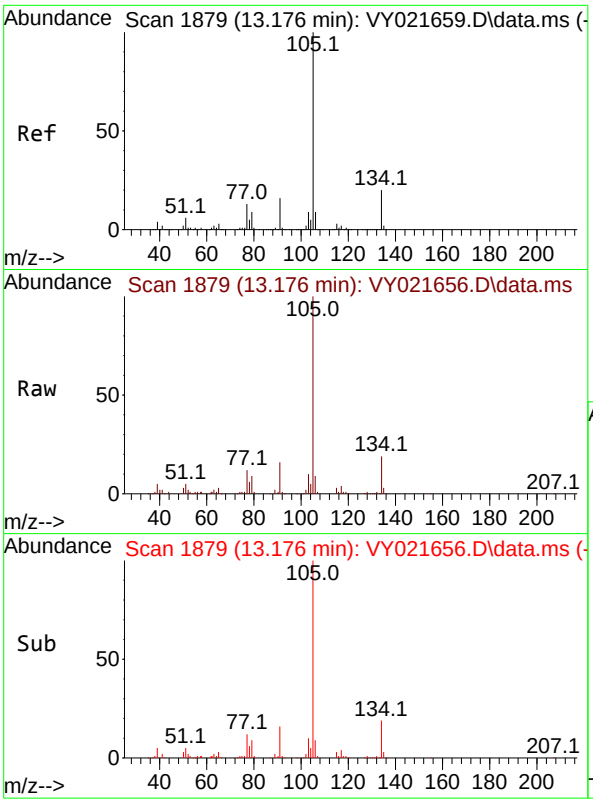


#84
1,2,4-Trimethylbenzene
Concen: 4.639 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 40547

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.7	68.1

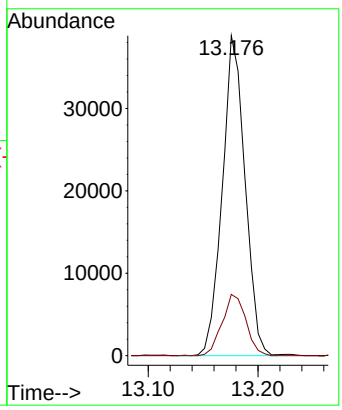




#85
sec-Butylbenzene
Concen: 4.858 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 5591

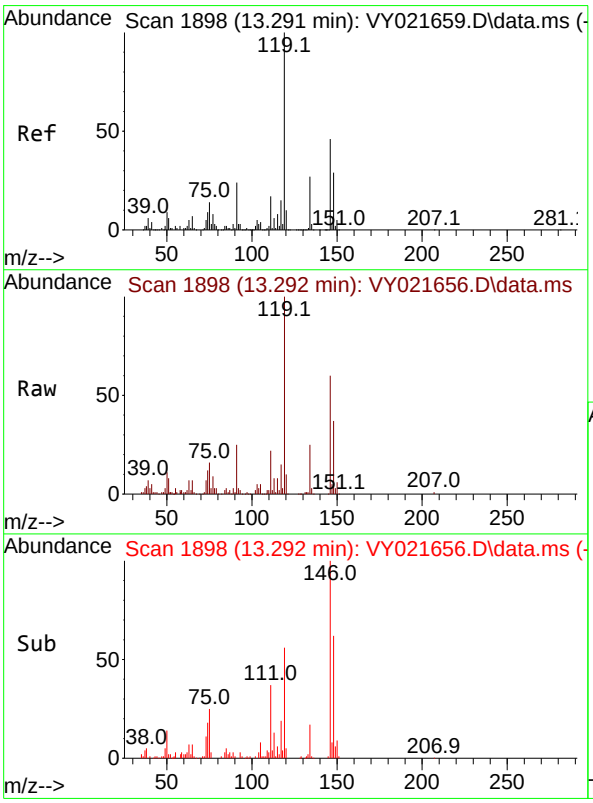
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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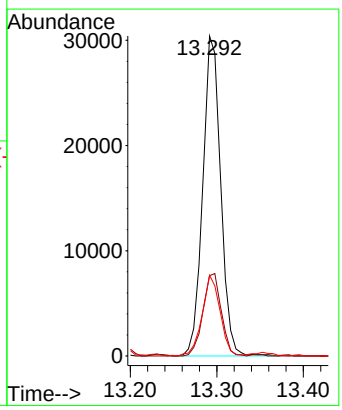
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

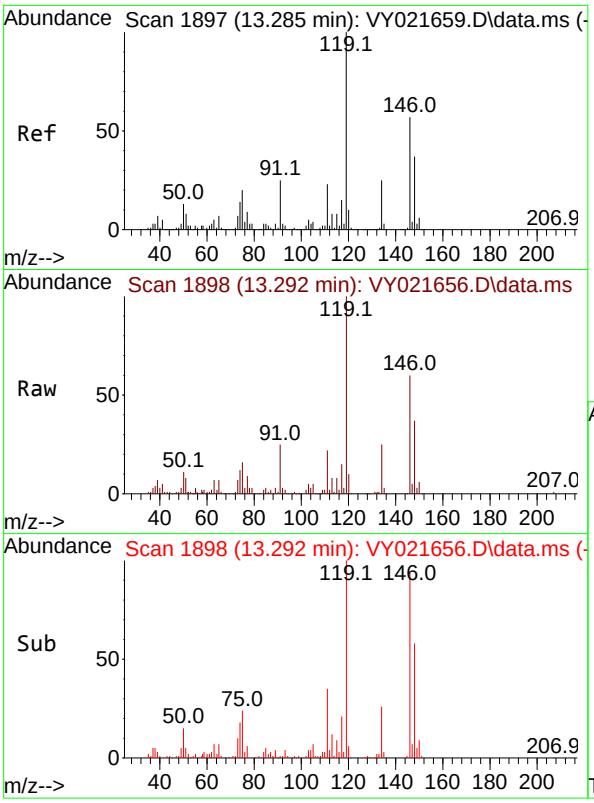


#86
p-Isopropyltoluene
Concen: 4.595 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:119 Resp: 43714

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	25.2	12.0	36.0

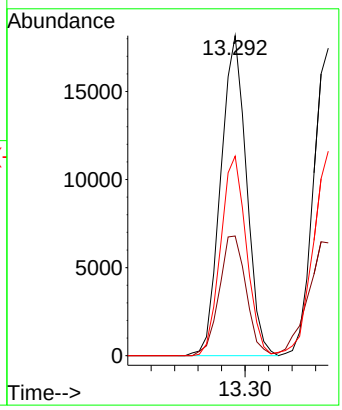




#87
1,3-Dichlorobenzene
Concen: 5.393 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 2760

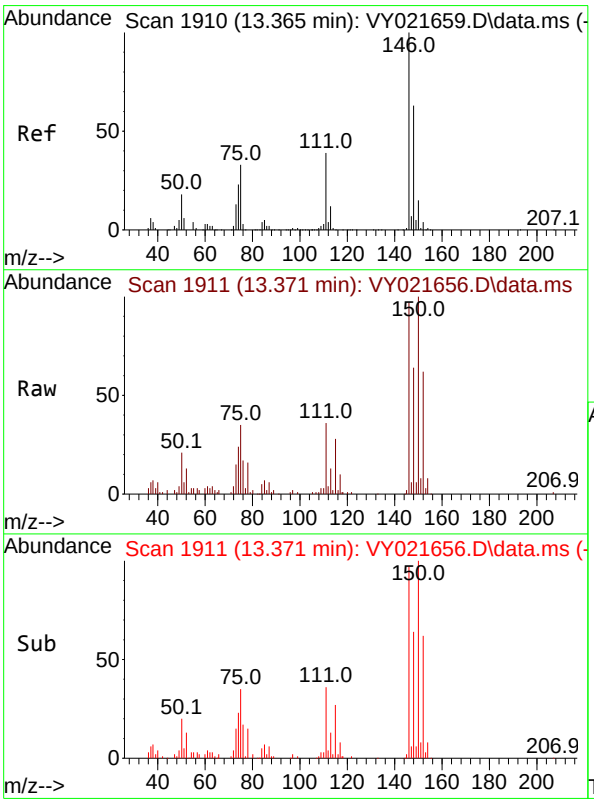
Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	62.4	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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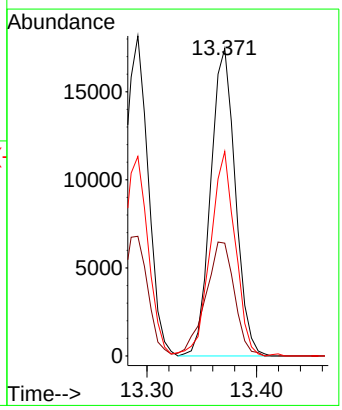
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

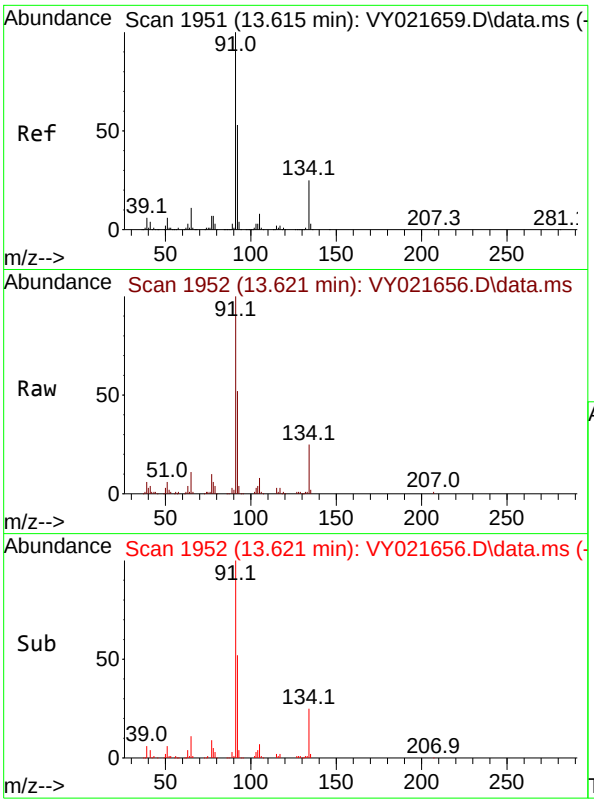


#88
1,4-Dichlorobenzene
Concen: 5.405 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 27332

Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.1	57.1
148	66.9	31.5	94.5

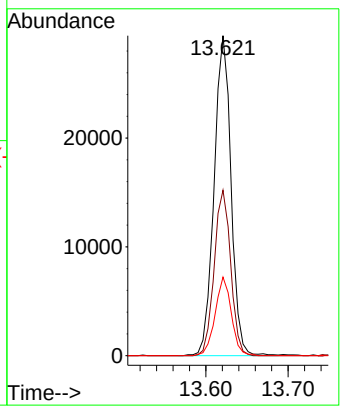




#89
n-Butylbenzene
Concen: 4.785 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 4210

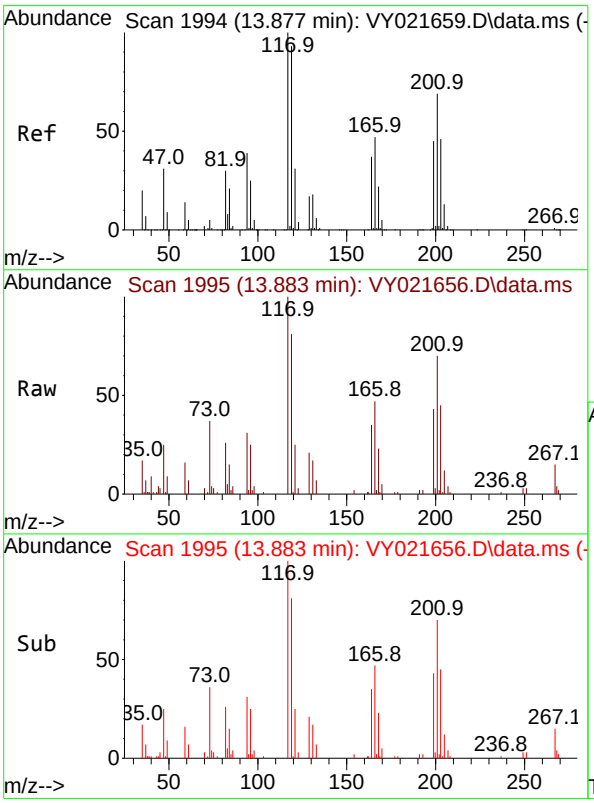
Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.4	79.2
134	23.5	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

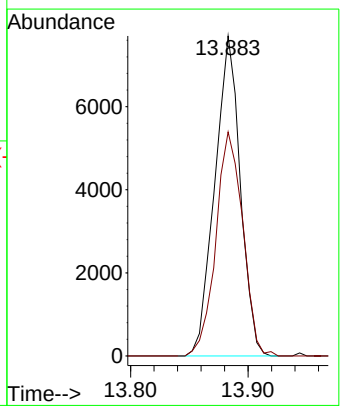
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

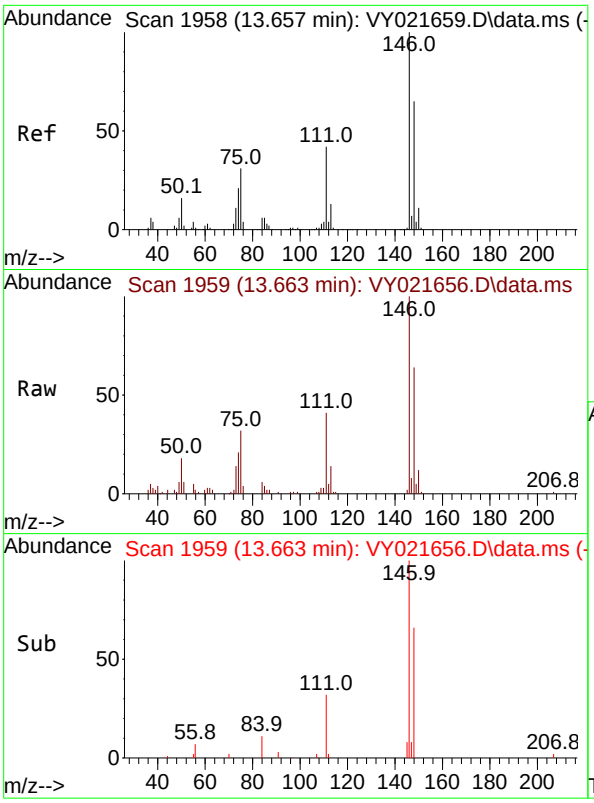


#90
Hexachloroethane
Concen: 5.573 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:117 Resp: 11619

Ion	Ratio	Lower	Upper
117	100		
201	73.9	37.4	112.1

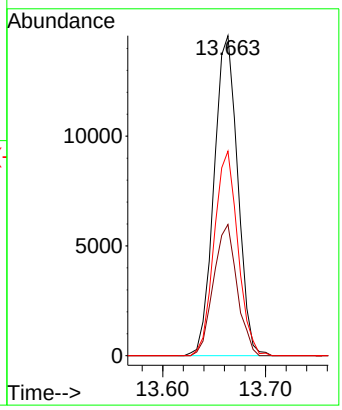




#91
1,2-Dichlorobenzene
Concen: 5.224 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 2327

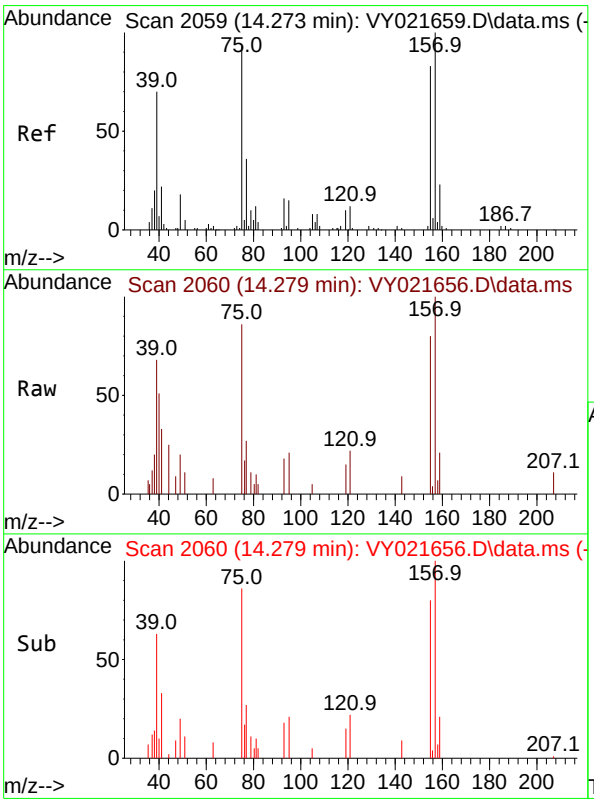
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.1	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

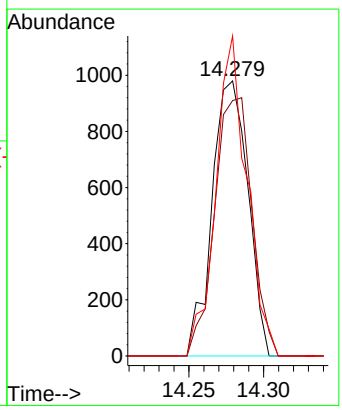
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

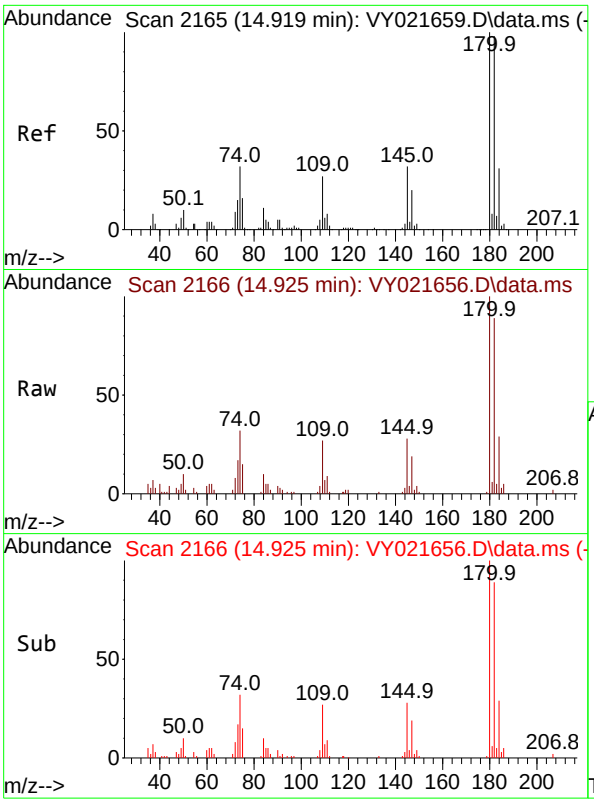


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.419 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 1634

Ion	Ratio	Lower	Upper
75	100		
155	97.6	43.0	128.8
157	100.8	54.0	162.0

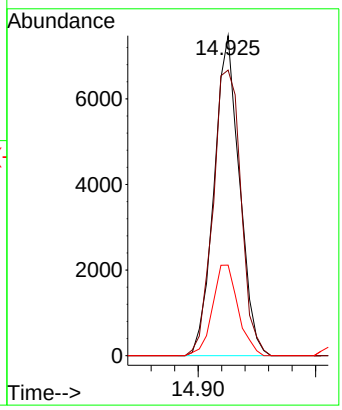




#93
1,2,4-Trichlorobenzene
Concen: 4.647 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:180 Resp: 1122

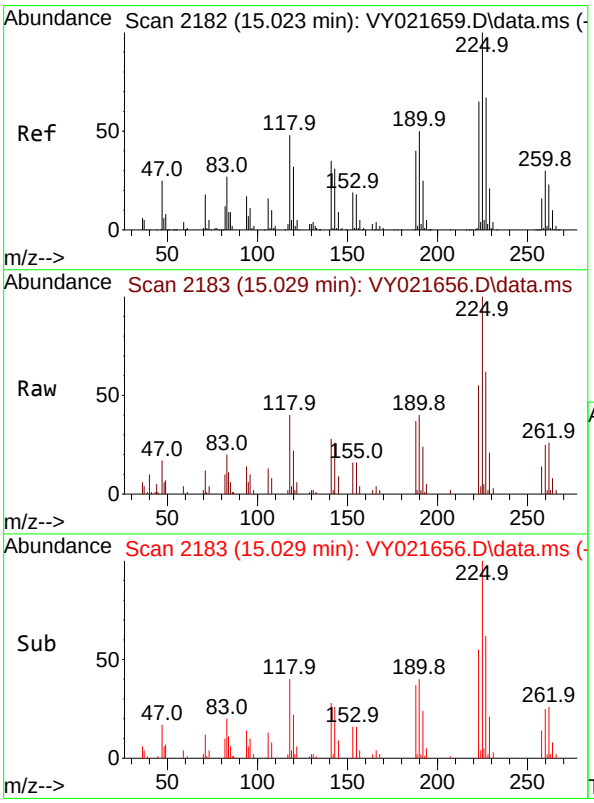
Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.5	142.6
145	28.5	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

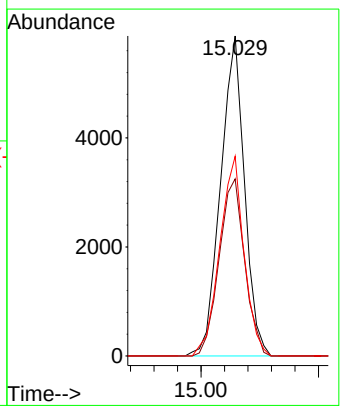
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

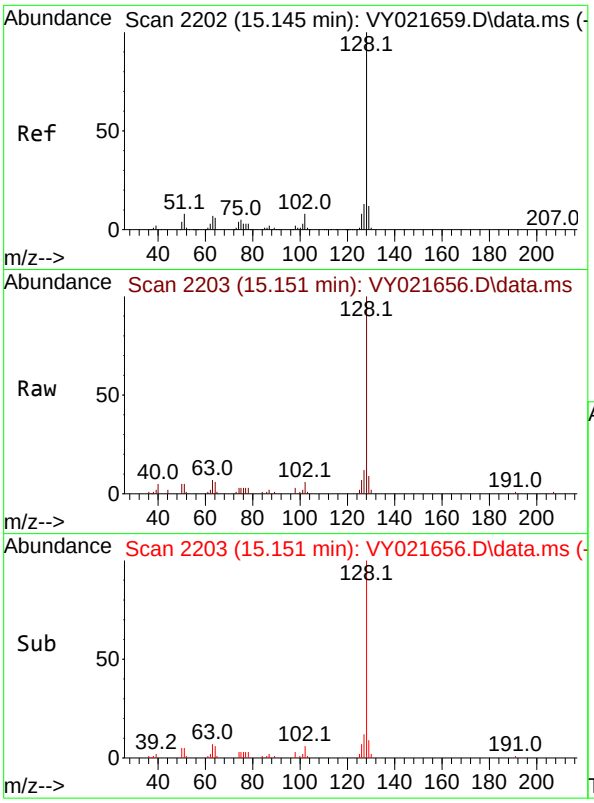


#94
Hexachlorobutadiene
Concen: 5.484 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:225 Resp: 8276

Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.9	95.7
227	63.5	32.4	97.0

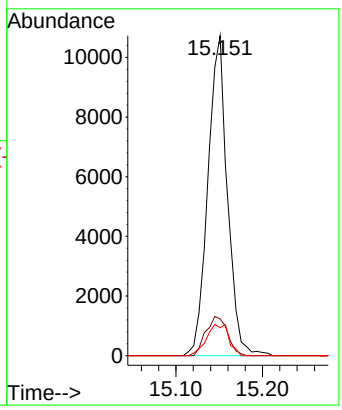




#95
Naphthalene
Concen: 4.194 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:128 Resp: 1679

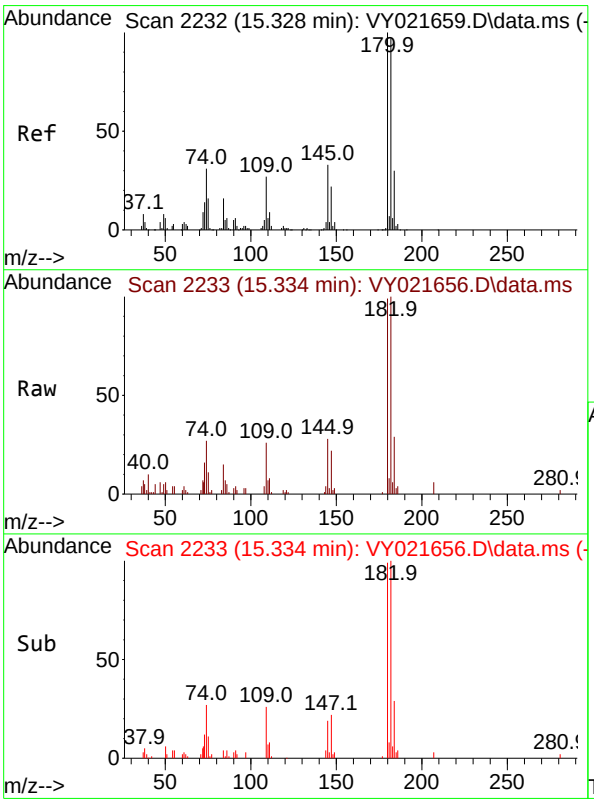
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

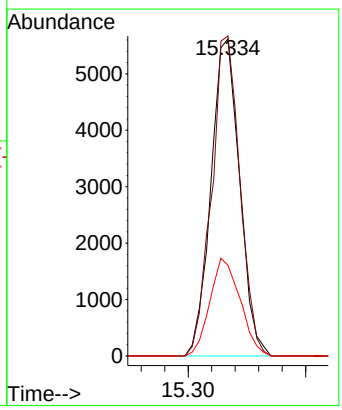
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.619 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:180 Resp: 9518

Ion	Ratio	Lower	Upper
180	100		
182	99.4	47.5	142.5
145	32.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 20.620%#				
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.820%#				
50) Toluene-d8	10.103	98	88000	10.051	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 20.100%#				
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 19.660%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l		99
3) Chloromethane	2.068	50	34949	10.633	ug/l		99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l		96
5) Bromomethane	2.592	94	27670	10.914	ug/l		97
6) Chloroethane	2.733	64	25703	10.567	ug/l		98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l		100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l		98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l		99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l	#	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l		88
13) Acrolein	3.653	56	15799	54.518	ug/l		100
14) Allyl chloride	4.379	41	39045	10.352	ug/l		97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l		98
16) Acetone	3.867	43	27669	55.329	ug/l		99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l	#	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l		100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l		98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l		97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l		96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l		93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l		98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l		98
25) 2-Butanone	6.890	43	37356	52.299	ug/l		97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l		100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l		99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l		97
30) Chloroform	7.421	83	51464	10.459	ug/l		98
31) Cyclohexane	7.701	56	46569	10.798	ug/l	#	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l		98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l		99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l		98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l		98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l		98
40) Benzene	8.079	78	108360	10.322	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9343m	10.635	ug/l		
42) 1,2-Dichloroethane	8.158	62	31606	10.679	ug/l		100
43) Isopropyl Acetate	8.195	43	33664	10.738	ug/l	#	87
44) Trichloroethene	8.866	130	28275	10.571	ug/l		95
45) 1,2-Dichloropropane	9.140	63	25943	10.440	ug/l		99
46) Dibromomethane	9.231	93	15605	10.896	ug/l		94
47) Bromodichloromethane	9.427	83	38737	10.439	ug/l		99
48) Methyl methacrylate	9.219	41	14576	10.130	ug/l		98
49) 1,4-Dioxane	9.231	88	3077	200.565	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111	ug/l		98
52) Toluene	10.170	92	66889	10.212	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879	ug/l		95
56) Ethyl methacrylate	10.439	69	21901	9.307	ug/l		96
57) 1,3-Dichloropropane	10.713	76	33316	10.467	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274	ug/l		98
59) 2-Hexanone	10.762	43	54649	50.295	ug/l		100
60) Dibromochloromethane	10.914	129	26032	10.346	ug/l		94
61) 1,2-Dibromoethane	11.018	107	17722	10.251	ug/l		97
64) Tetrachloroethene	10.646	164	31334	11.036	ug/l		93
65) Chlorobenzene	11.444	112	73433	10.276	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060	ug/l		97
67) Ethyl Benzene	11.518	91	119480	9.750	ug/l		98
68) m/p-Xylenes	11.627	106	93887	20.009	ug/l		99
69) o-Xylene	11.957	106	41768	9.643	ug/l		98
70) Styrene	11.969	104	69196	9.581	ug/l		99
71) Bromoform	12.127	173	14887	10.294	ug/l	#	98
73) Isopropylbenzene	12.255	105	112512	9.966	ug/l		100
74) N-amyl acetate	12.072	43	26259	9.910	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	17026m	11.300	ug/l		
77) Bromobenzene	12.530	156	27648	10.199	ug/l		98
78) n-propylbenzene	12.597	91	135498	9.983	ug/l		99
79) 2-Chlorotoluene	12.682	91	80079	10.158	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550	ug/l		99
82) 4-Chlorotoluene	12.780	91	83484	10.157	ug/l		100
83) tert-Butylbenzene	12.999	119	81296	9.892	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884	ug/l		100
85) sec-Butylbenzene	13.176	105	121575	10.122	ug/l		99
86) p-Isopropyltoluene	13.292	119	97092	9.781	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336	ug/l		95
89) n-Butylbenzene	13.615	91	89162	9.712	ug/l		98
90) Hexachloroethane	13.877	117	21881	10.059	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419	ug/l		99
94) Hexachlorobutadiene	15.023	225	15844	10.063	ug/l		99
95) Naphthalene	15.145	128	36711	8.785	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

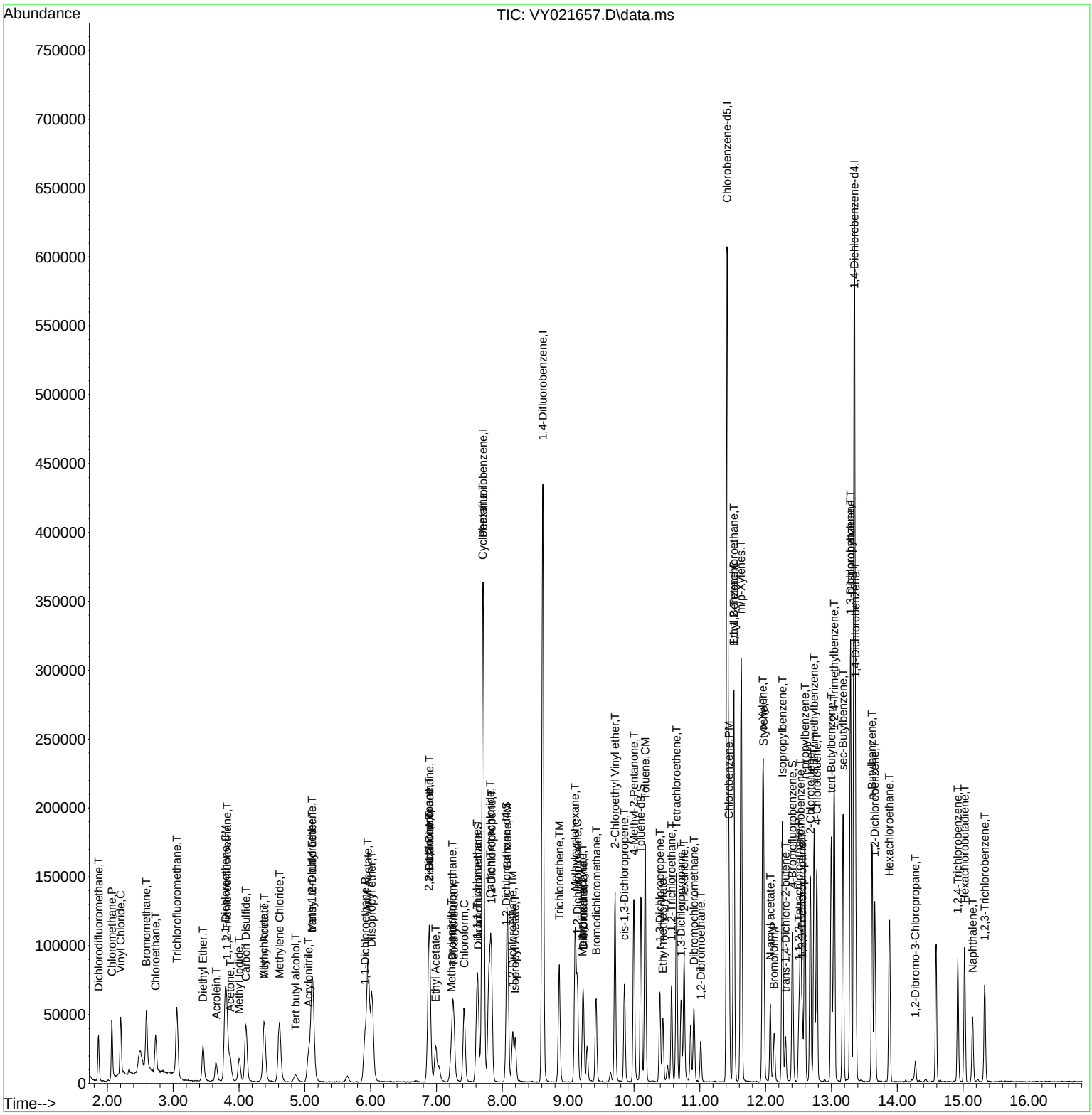
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

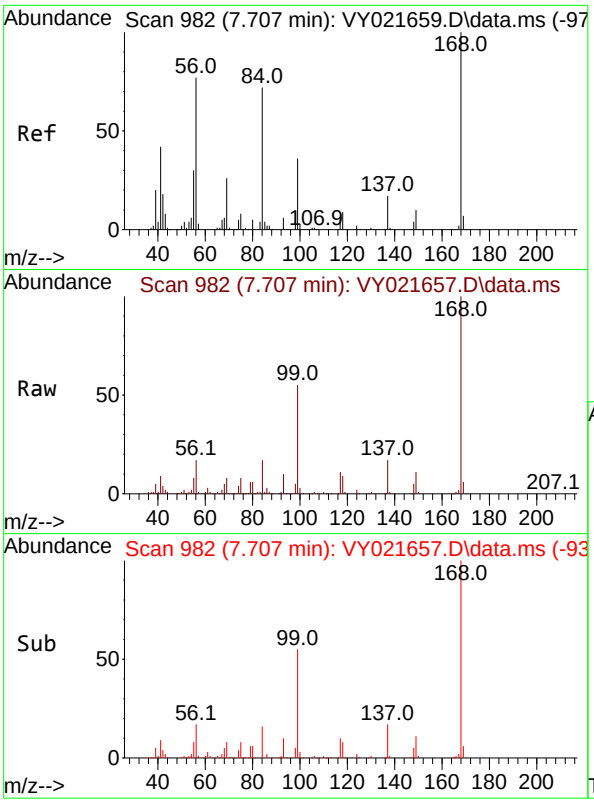
Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

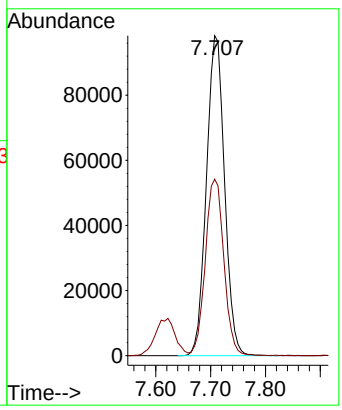




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:168 Resp: 22552

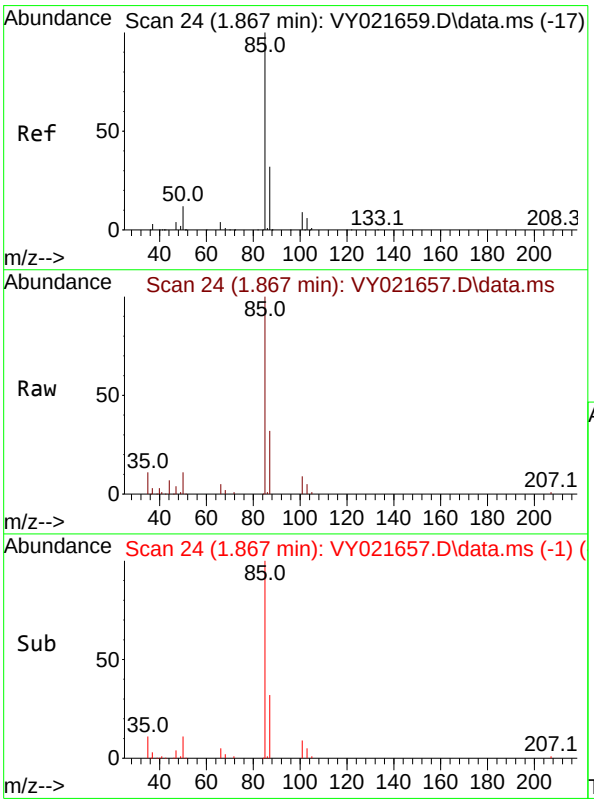
Ion	Ratio	Lower	Upper
168	100		
99	55.1	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

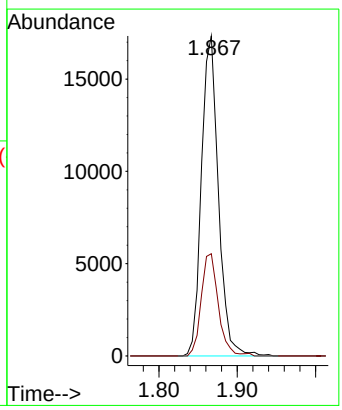
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

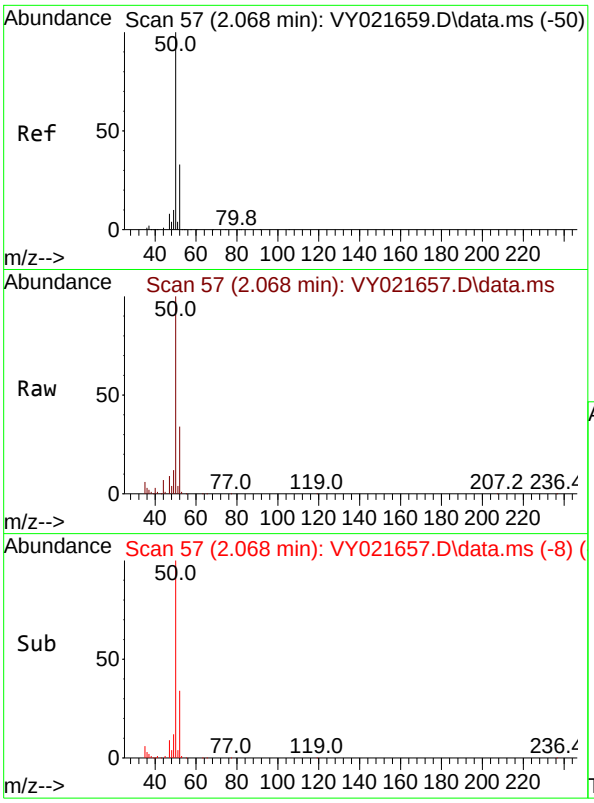


#2
Dichlorodifluoromethane
Concen: 11.130 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 85 Resp: 26017

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6

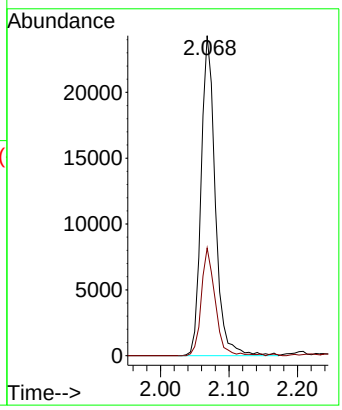




#3
Chloromethane
Concen: 10.633 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 50 Resp: 3494

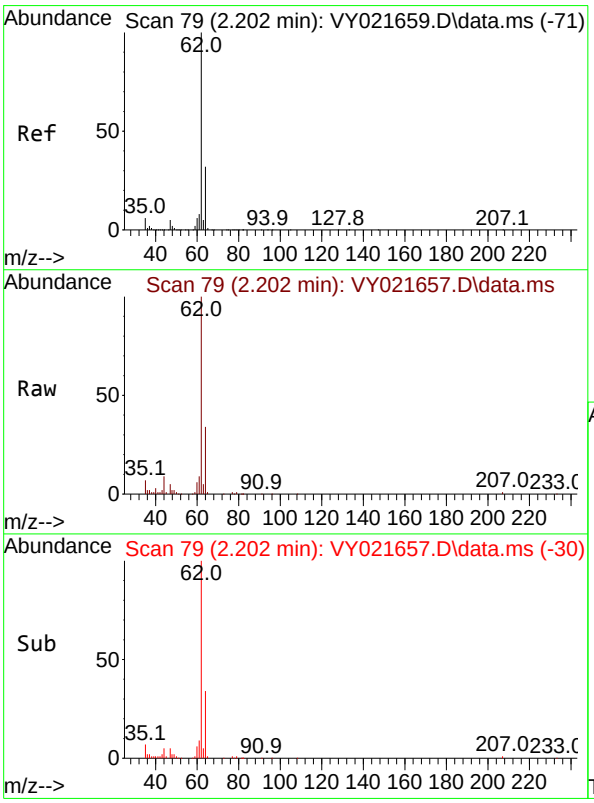
Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

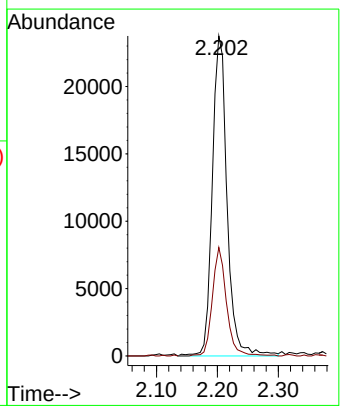
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

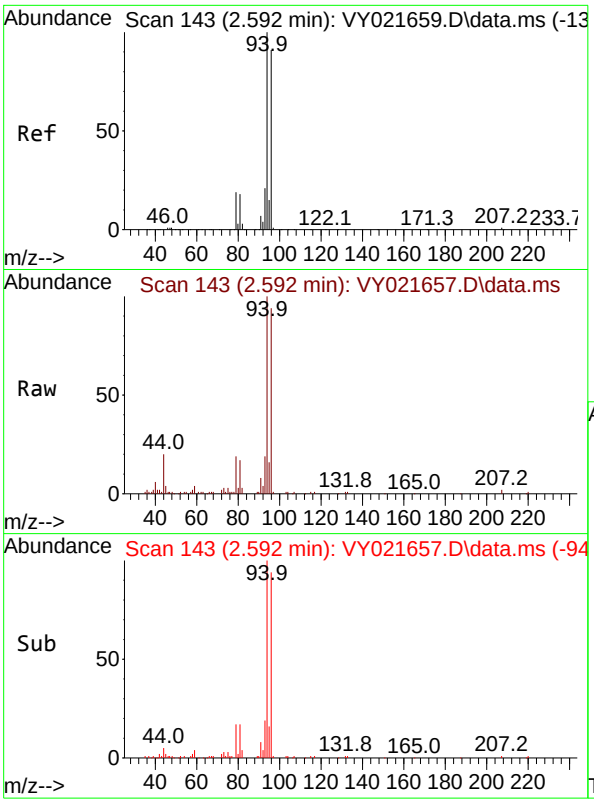


#4
Vinyl Chloride
Concen: 10.756 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 39982

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.5	38.3

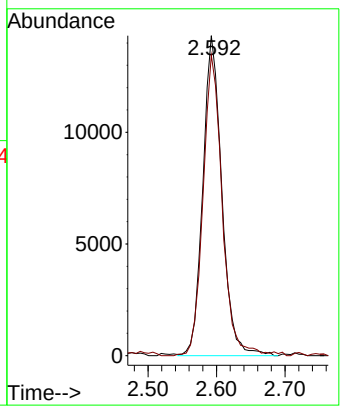




#5
Bromomethane
Concen: 10.914 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 94 Resp: 2767

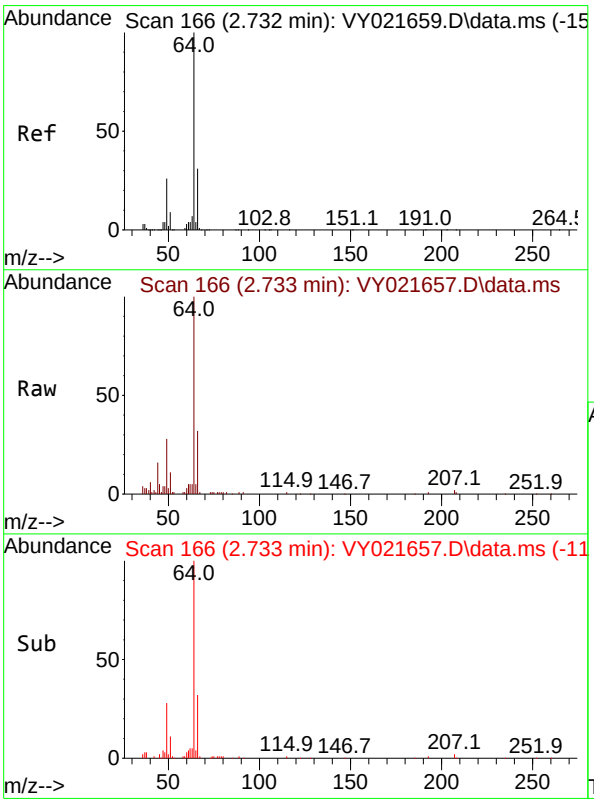
Ion	Ratio	Lower	Upper
94	100		
96	93.4	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

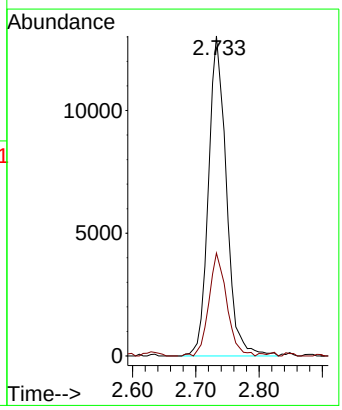
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

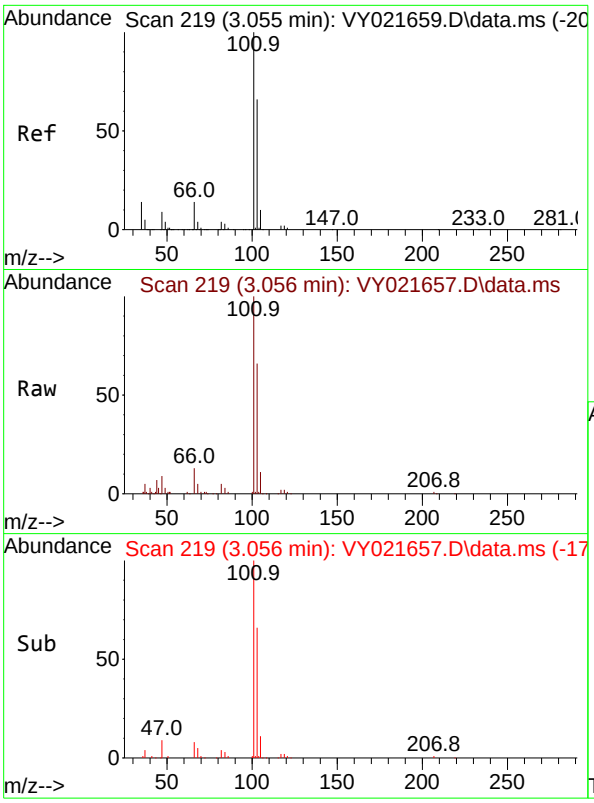


#6
Chloroethane
Concen: 10.567 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 64 Resp: 25703

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.9	37.3

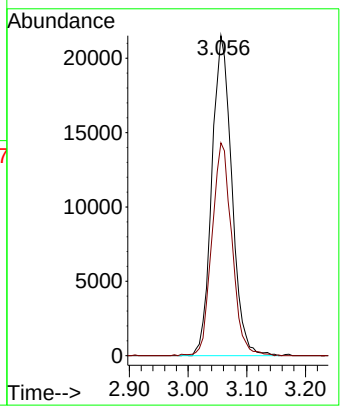




#7
Trichlorofluoromethane
Concen: 10.650 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:101 Resp: 5071

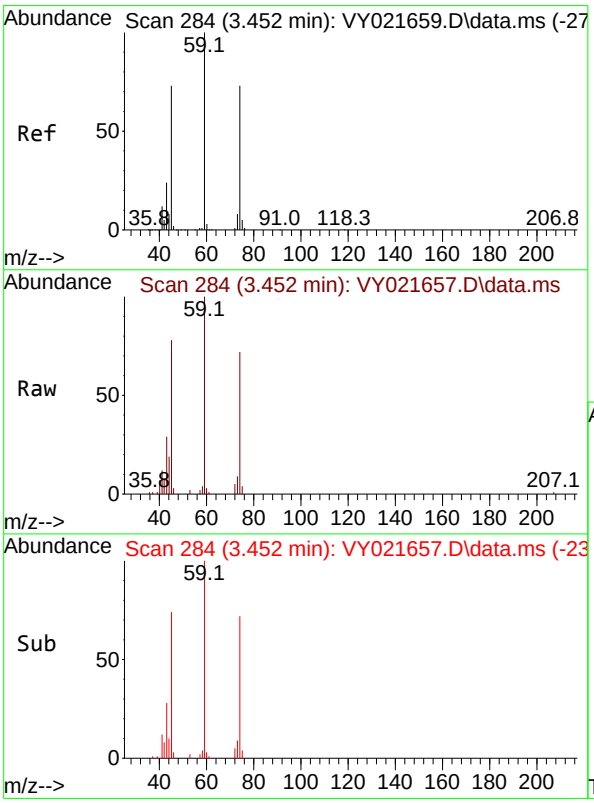
Ion	Ratio	Lower	Upper
101	100		
103	66.5	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

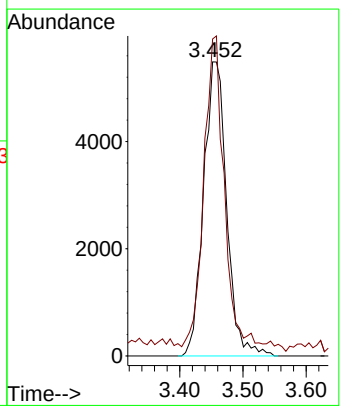
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

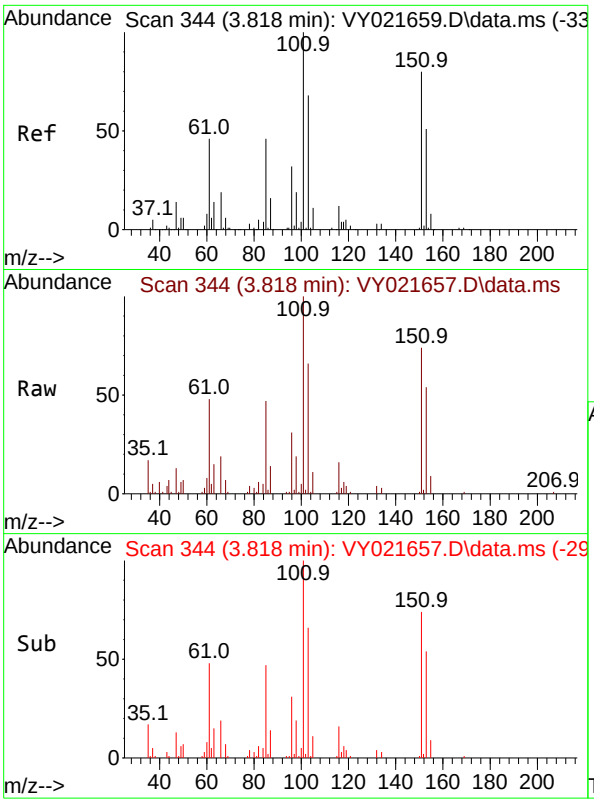


#8
Diethyl Ether
Concen: 10.765 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 74 Resp: 13940

Ion	Ratio	Lower	Upper
74	100		
45	92.0	48.6	145.8

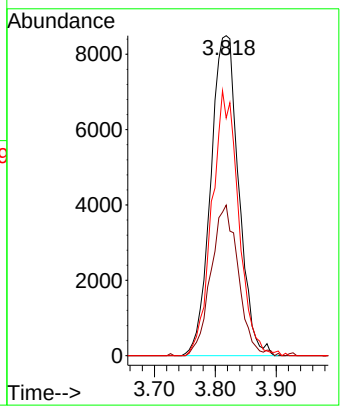




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.786 ug/l
RT: 3.818 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:101 Resp: 2708

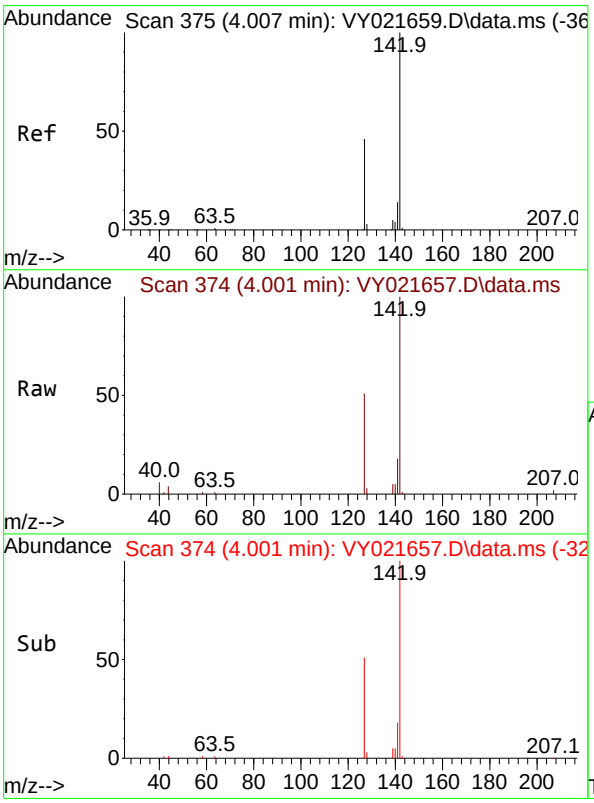
Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	79.0	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

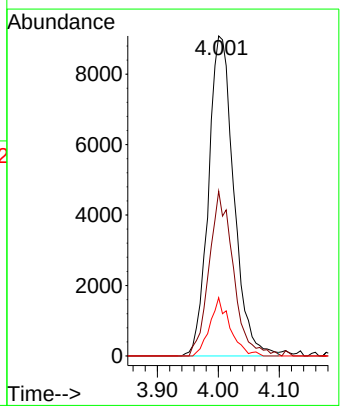
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

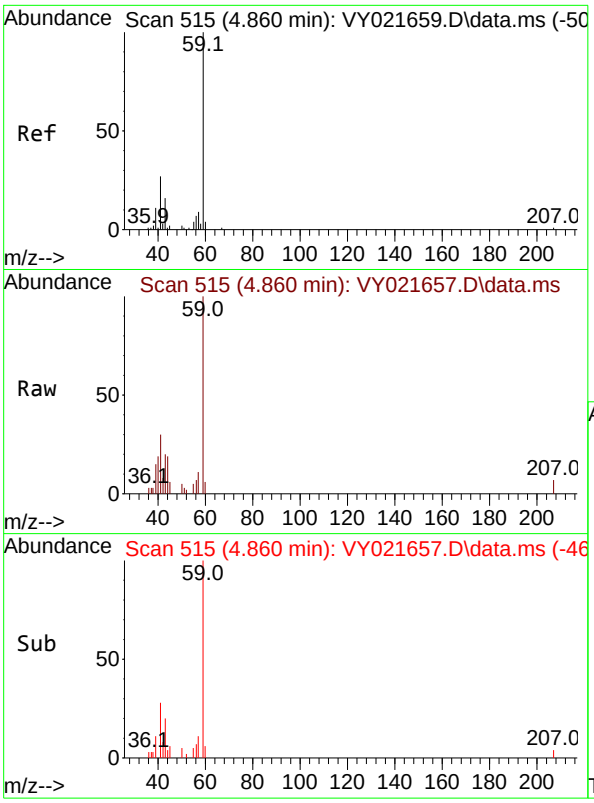


#10
Methyl Iodide
Concen: 9.507 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:142 Resp: 26193

Ion	Ratio	Lower	Upper
142	100		
127	49.4	38.7	58.1
141	14.6	11.5	17.3

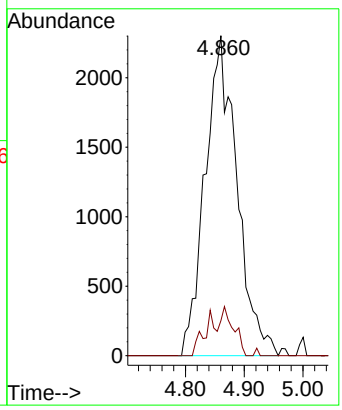




#11
Tert butyl alcohol
Concen: 54.634 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 59 Resp: 867

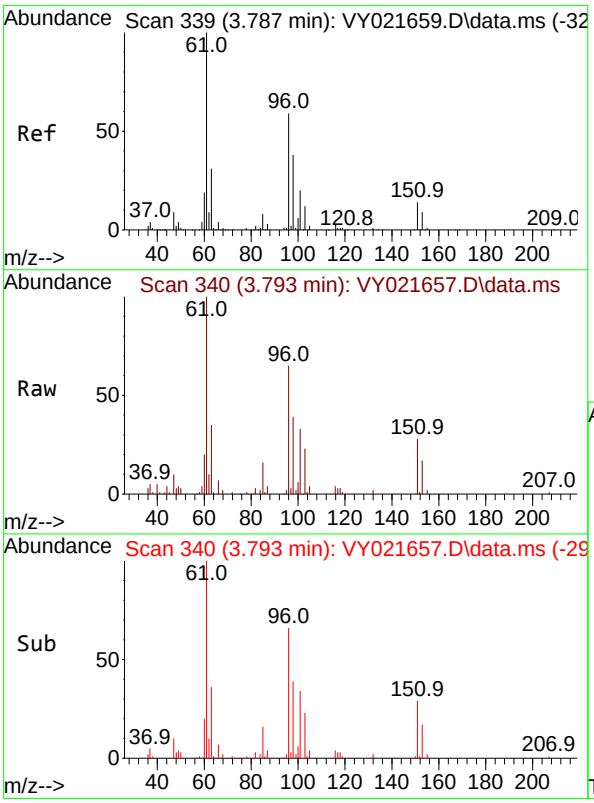
Ion	Ratio	Lower	Upper
59	100		
57	6.3	9.2	13.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

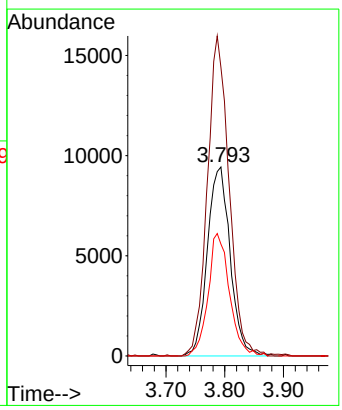
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

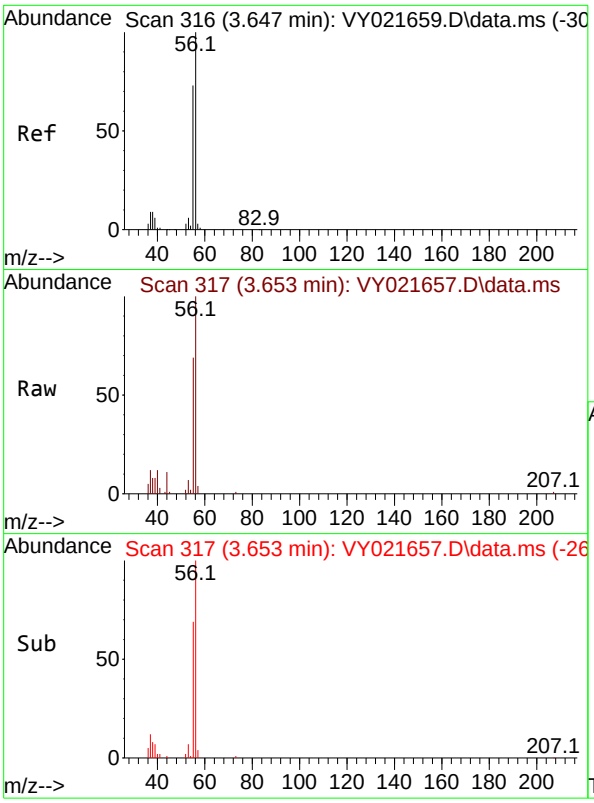


#12
1,1-Dichloroethene
Concen: 10.757 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 25446

Ion	Ratio	Lower	Upper
96	100		
61	152.8	136.6	204.8
98	59.2	52.3	78.5

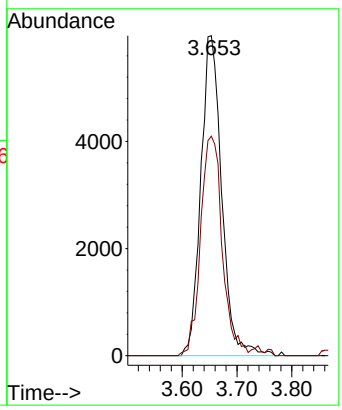




#13
Acrolein
Concen: 54.518 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 56 Resp: 1579

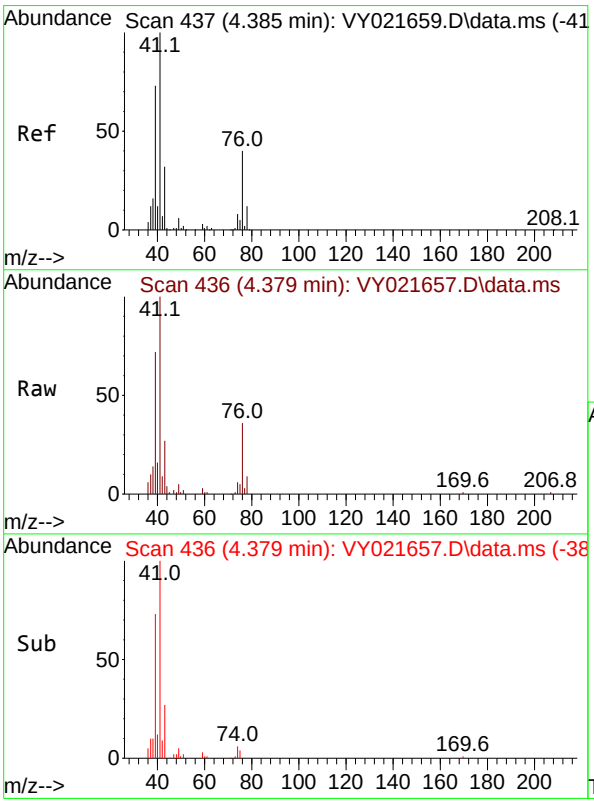
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

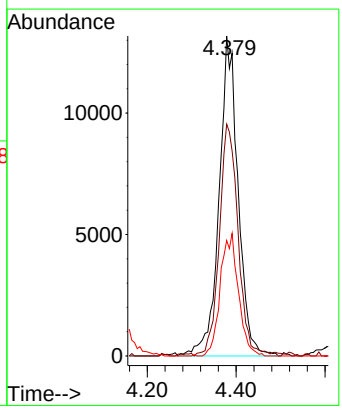
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

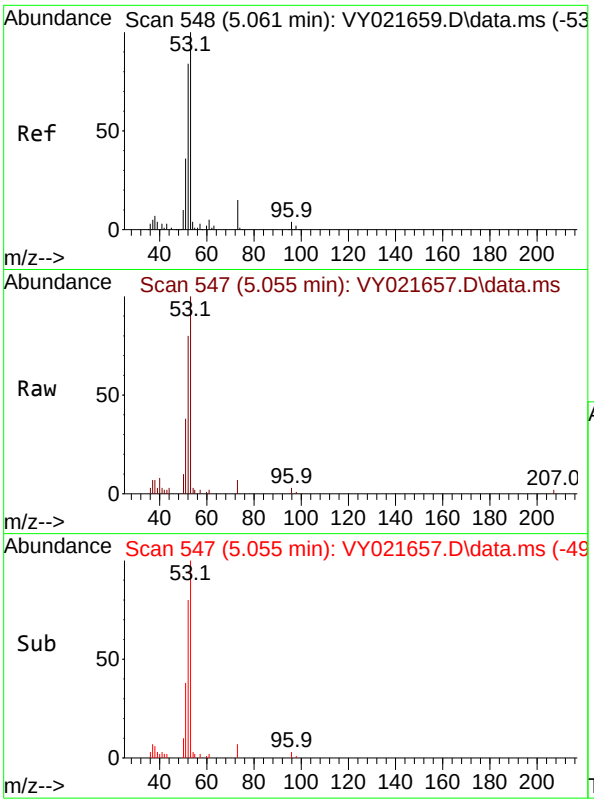


#14
Allyl chloride
Concen: 10.352 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 39045

Ion	Ratio	Lower	Upper
41	100		
39	71.1	58.6	88.0
76	36.4	30.3	45.5

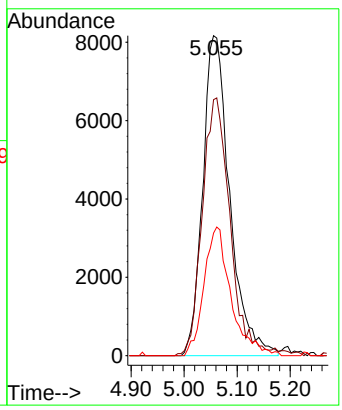




#15
Acrylonitrile
Concen: 53.389 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 53 Resp: 2886

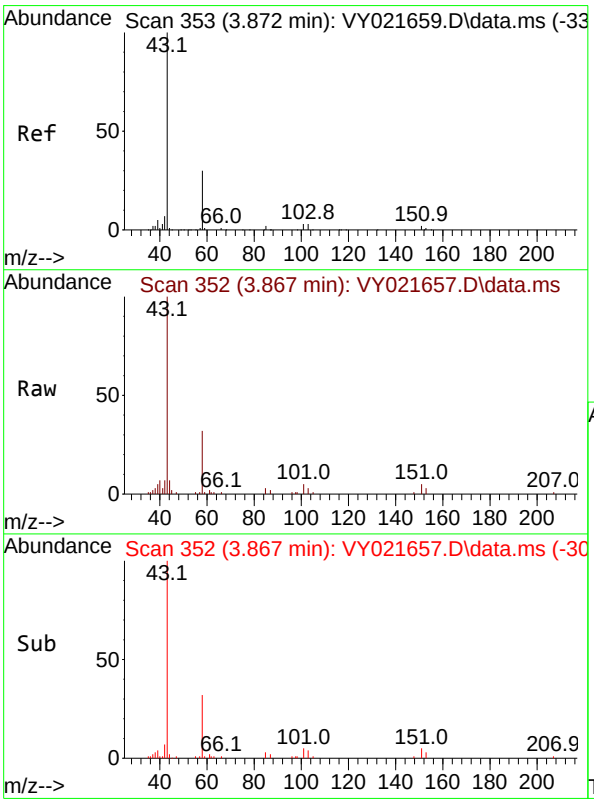
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	40.1	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

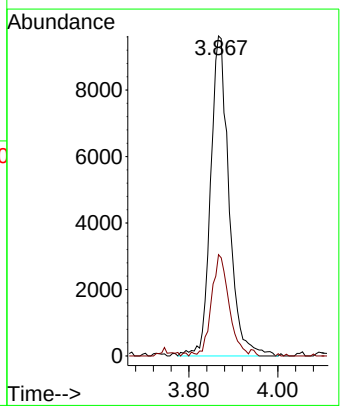
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

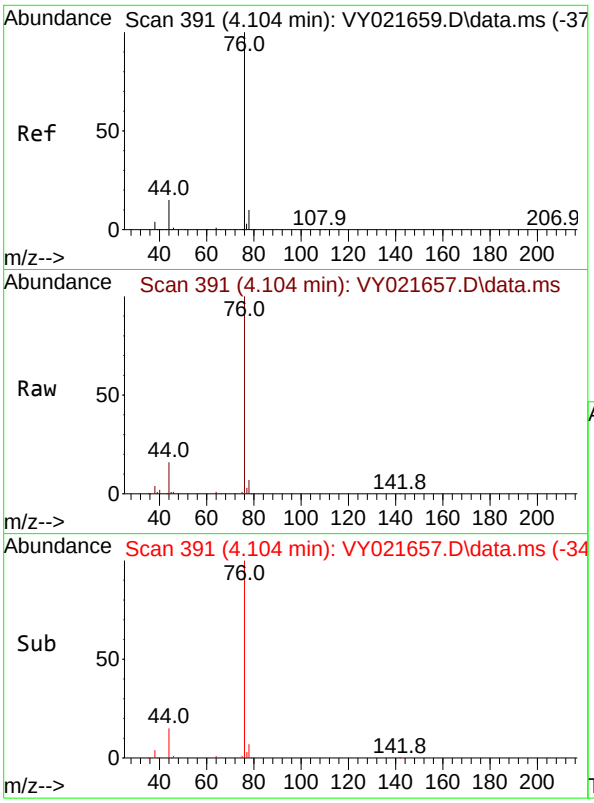


#16
Acetone
Concen: 55.329 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 27669

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.4





#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

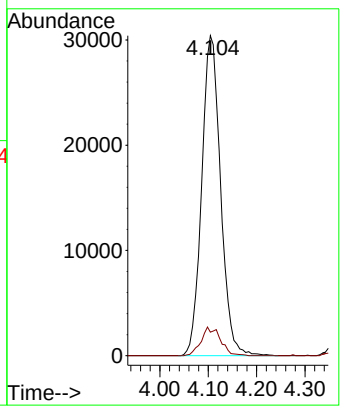
Tgt Ion: 76 Resp: 8245

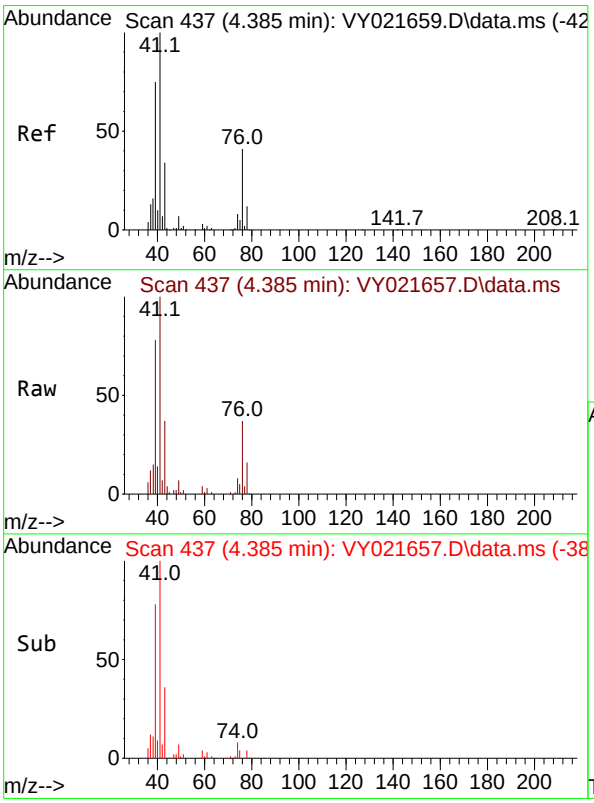
Ion	Ratio	Lower	Upper
76	100		
78	7.3	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

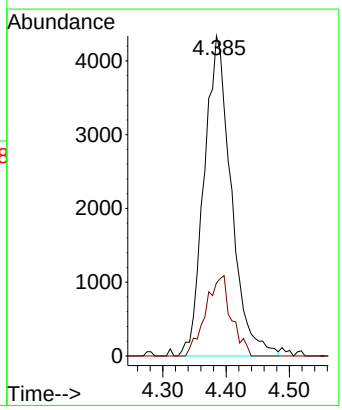


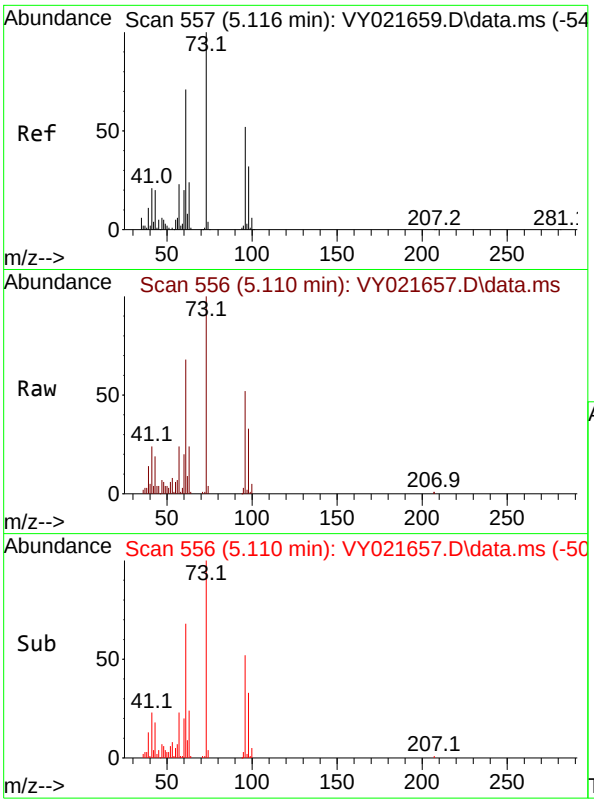


#18
Methyl Acetate
Concen: 10.417 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 12911

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.1	28.7

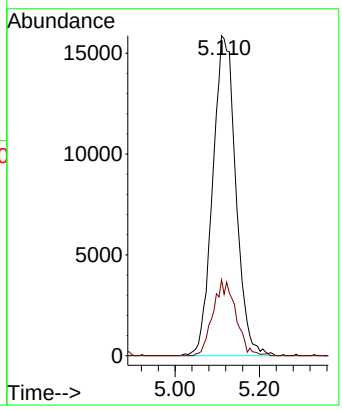




#19
Methyl tert-butyl Ether
Concen: 10.223 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 73 Resp: 6020

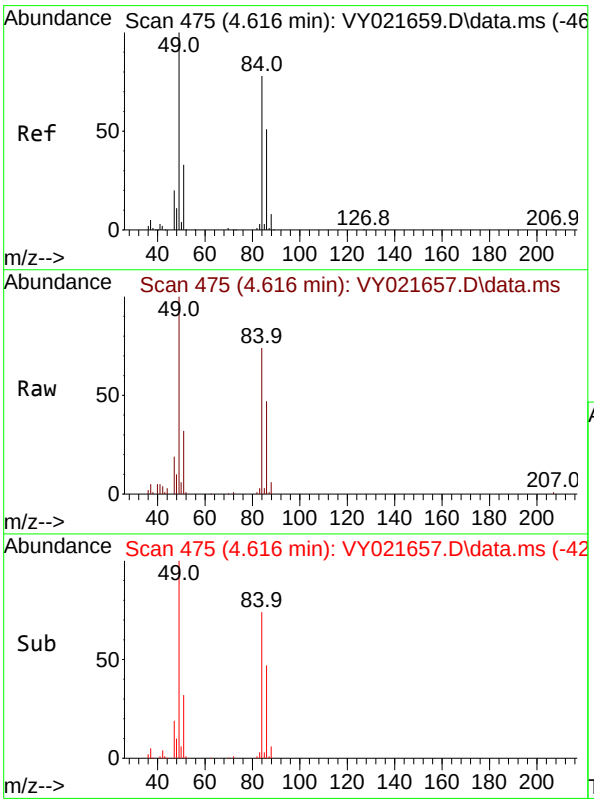
Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

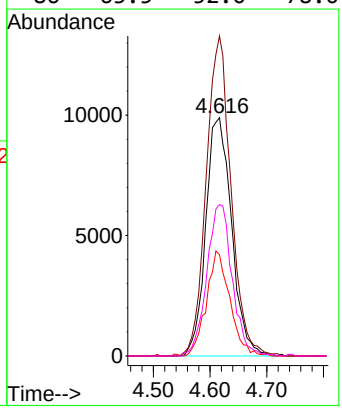
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

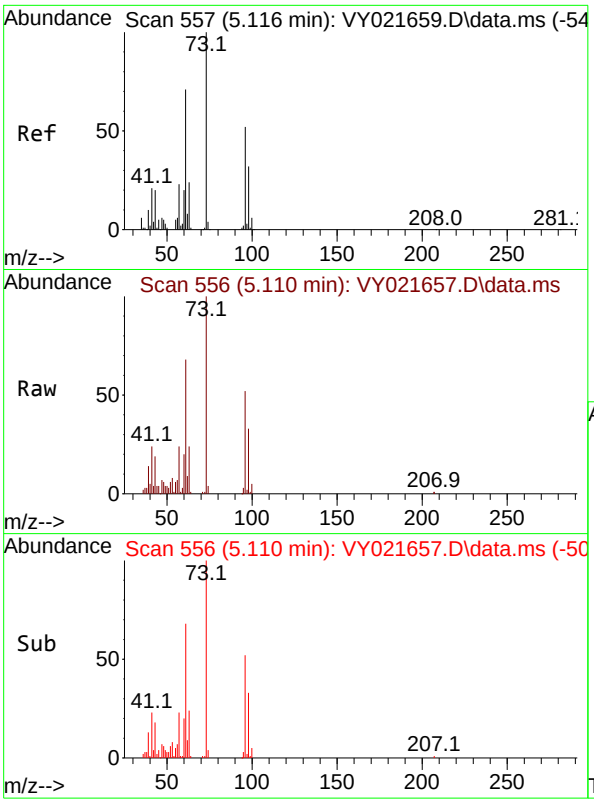


#20
Methylene Chloride
Concen: 9.677 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 84 Resp: 31313

Ion	Ratio	Lower	Upper
84	100		
49	134.3	102.8	154.2
51	42.5	33.5	50.3
86	63.5	52.0	78.0

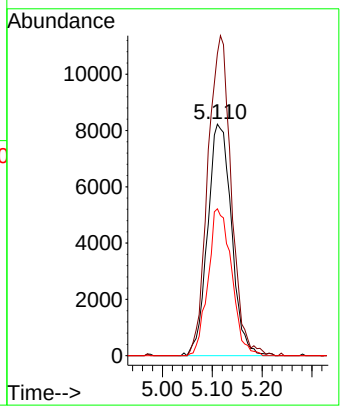




#21
trans-1,2-Dichloroethene
Concen: 10.523 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 2740

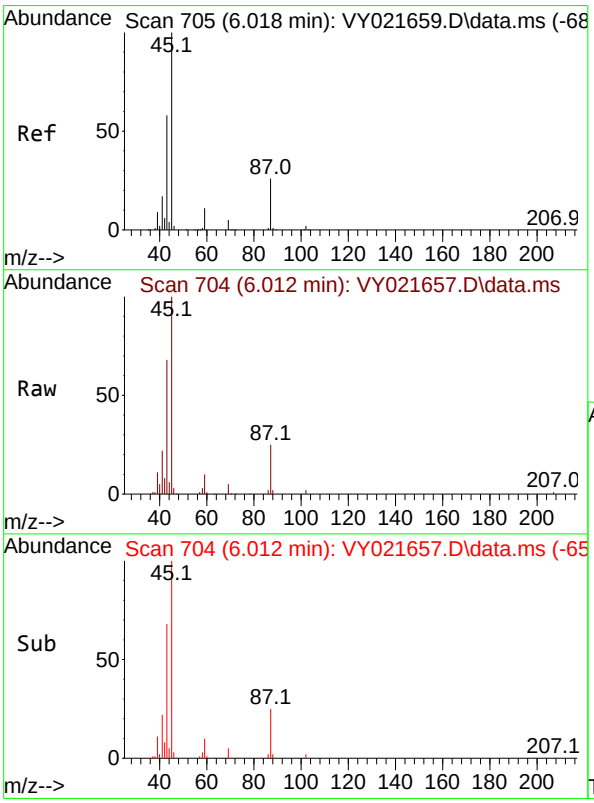
Ion	Ratio	Lower	Upper
96	100		
61	130.5	109.4	164.0
98	63.5	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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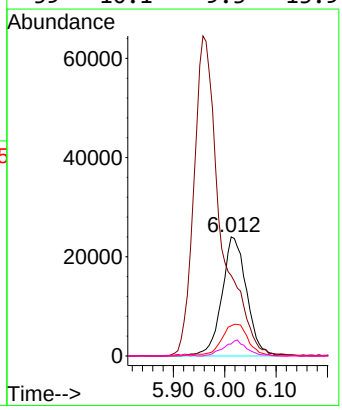
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

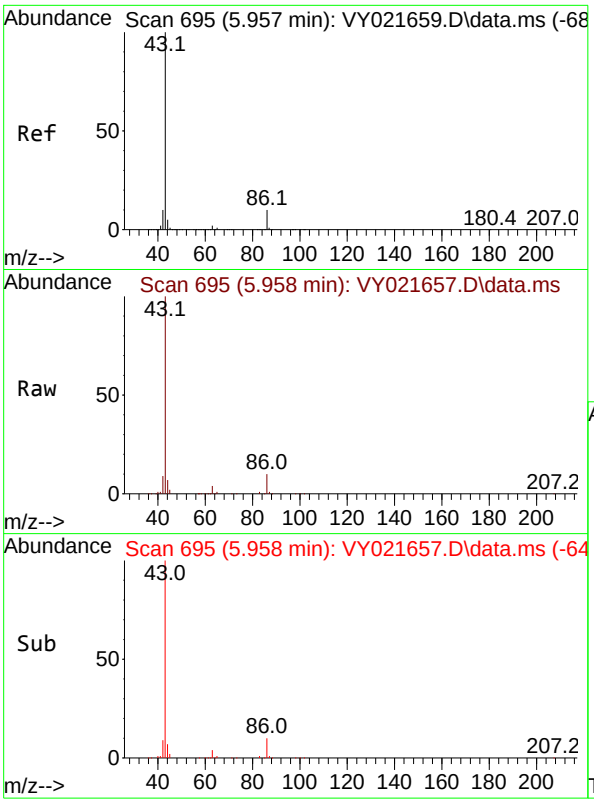


#22
Diisopropyl ether
Concen: 10.095 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 45 Resp: 79874

Ion	Ratio	Lower	Upper
45	100		
43	66.0	46.6	69.8
87	24.9	20.7	31.1
59	10.1	9.3	13.9





#23
Vinyl Acetate
Concen: 50.469 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

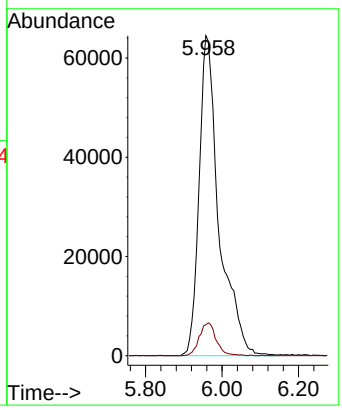
Tgt Ion: 43 Resp: 23359

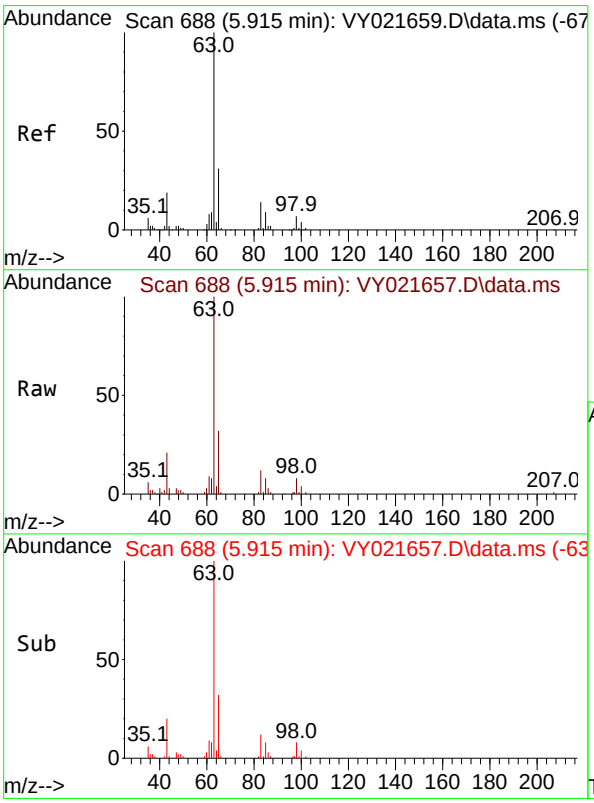
Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

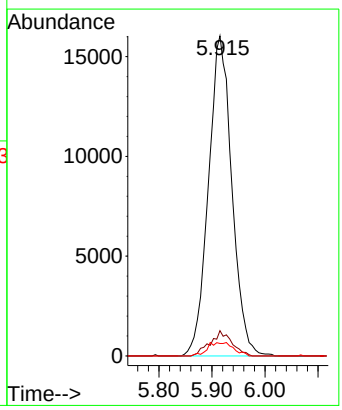


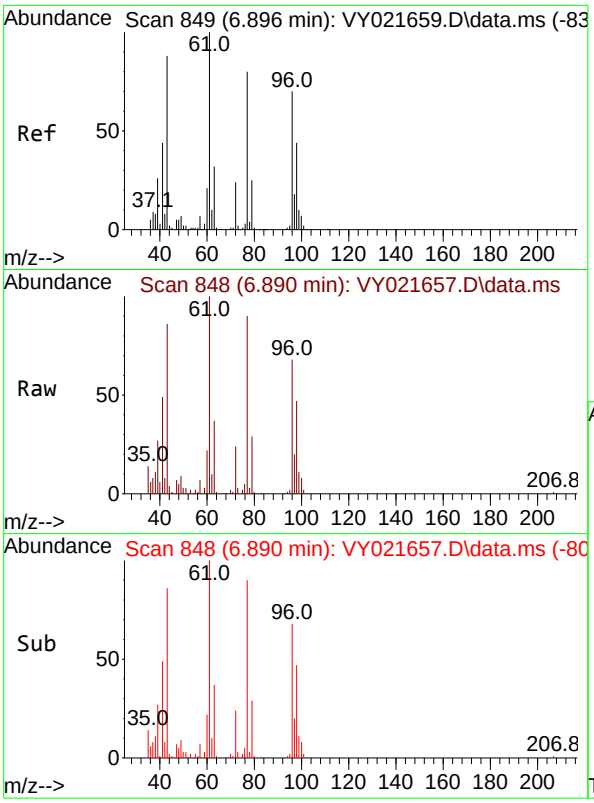


#24
1,1-Dichloroethane
Concen: 10.403 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 49217

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.5
100	3.9	2.2	6.6





#25
2-Butanone
Concen: 52.299 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

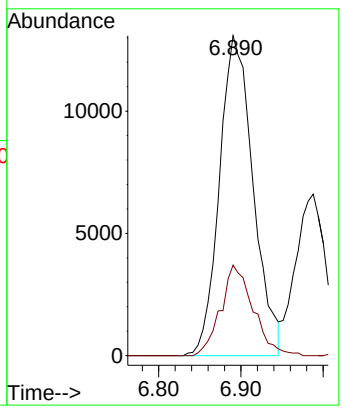
Tgt Ion: 43 Resp: 3735

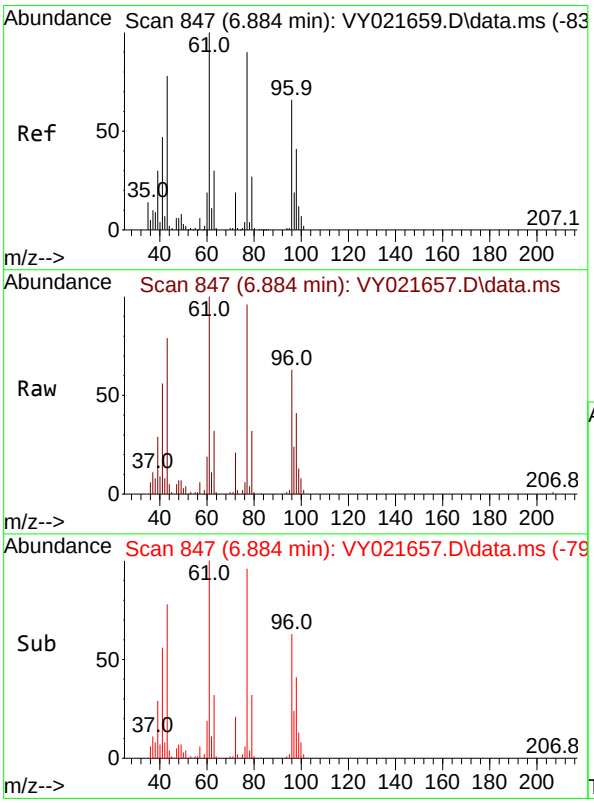
Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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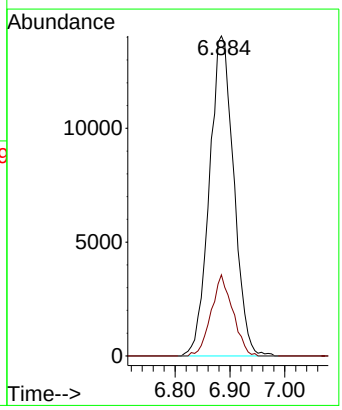


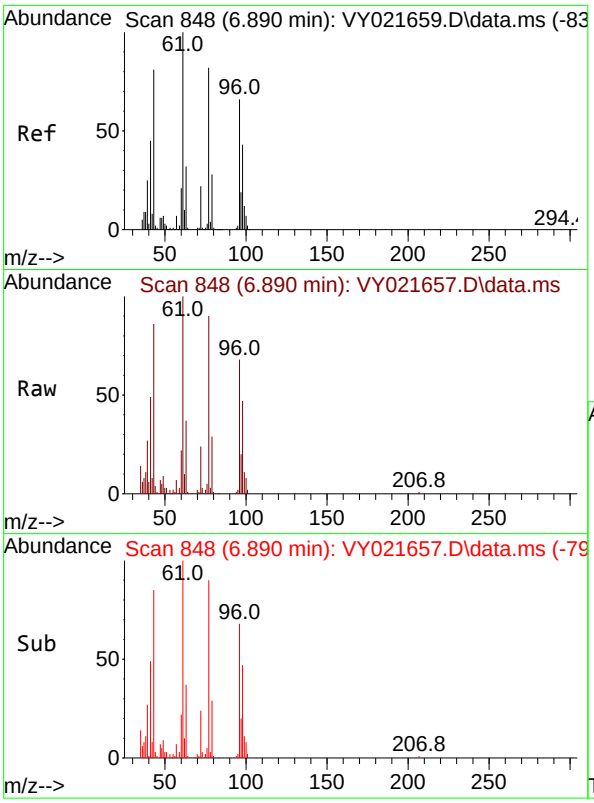


#26
2,2-Dichloropropane
Concen: 10.316 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 77 Resp: 43412

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.1	33.1

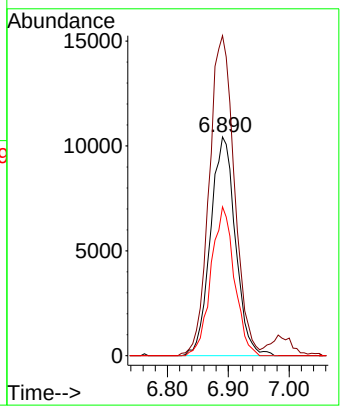




#27
cis-1,2-Dichloroethene
Concen: 10.140 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 2969

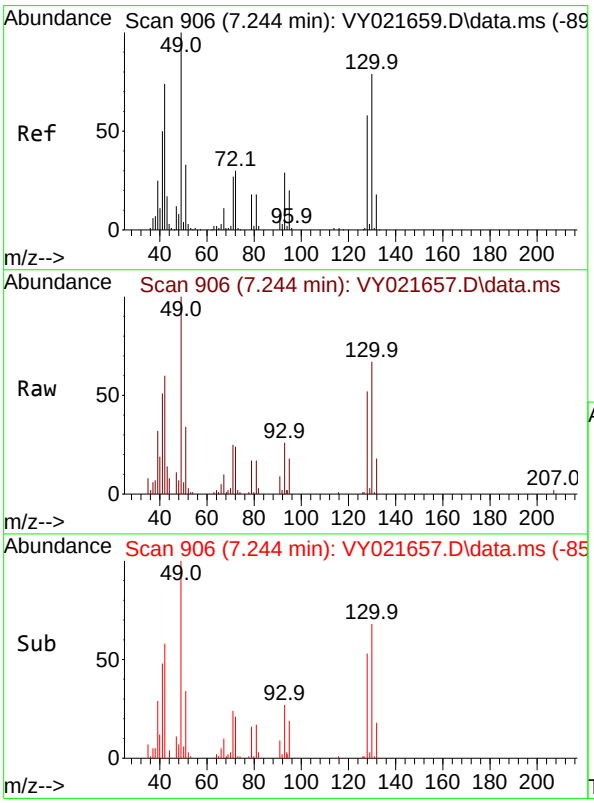
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	296.4
98	63.9	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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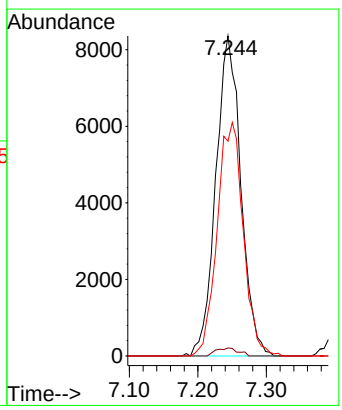
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

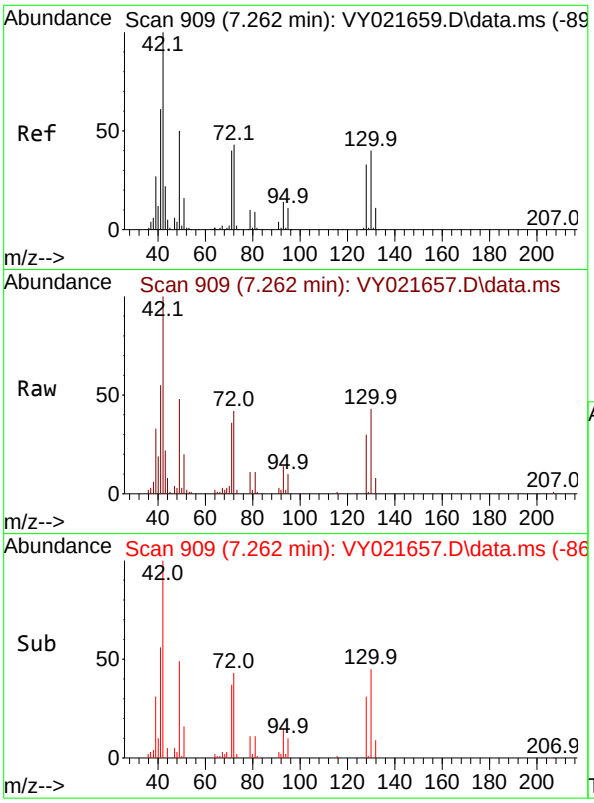


#28
Bromochloromethane
Concen: 10.618 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 49 Resp: 21186

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.9	60.1	90.1

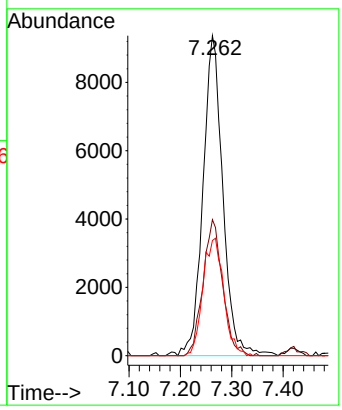




#29
Tetrahydrofuran
Concen: 54.625 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 42 Resp: 2511

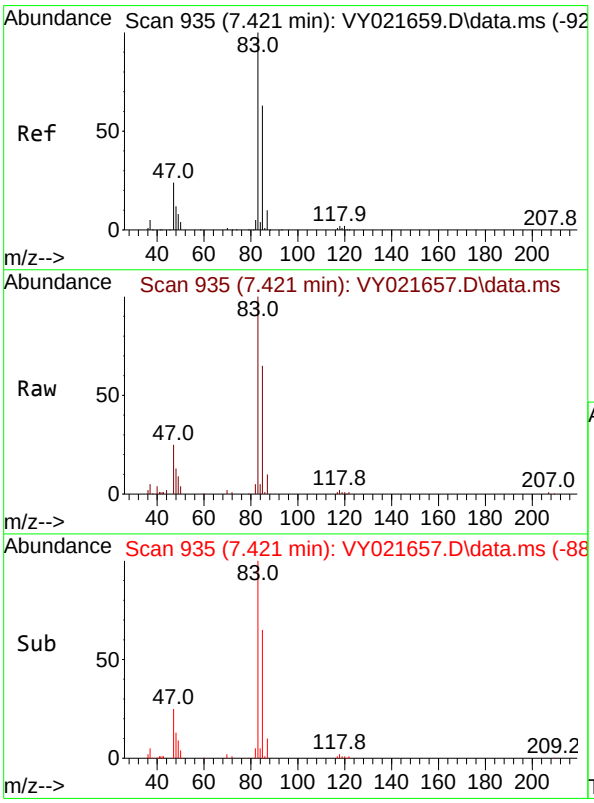
Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.6	52.0
71	38.5	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

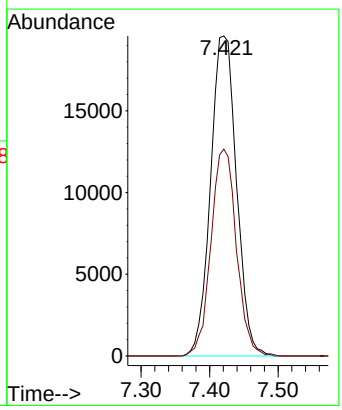
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

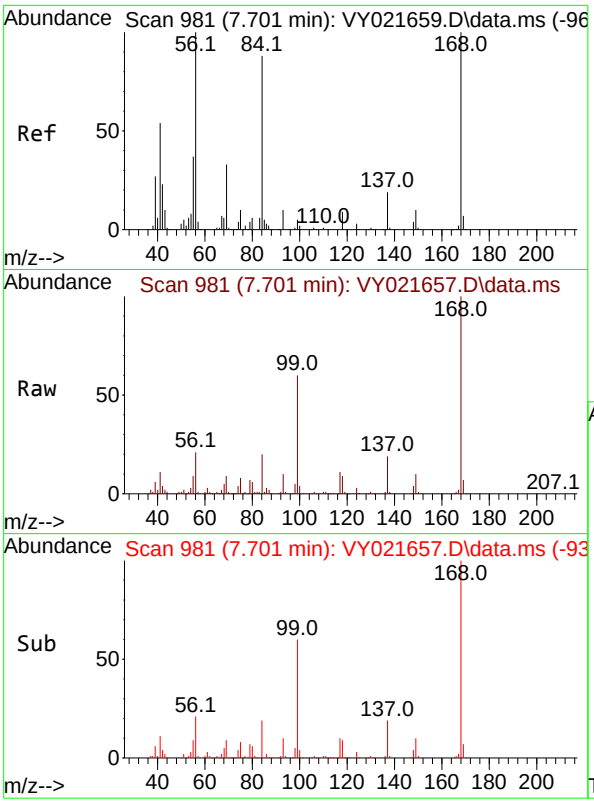


#30
Chloroform
Concen: 10.459 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 83 Resp: 51464

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#31
Cyclohexane
Concen: 10.798 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

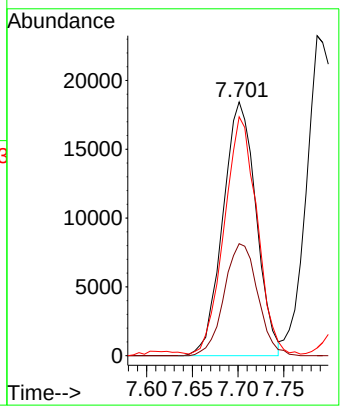
Tgt Ion: 56 Resp: 4656

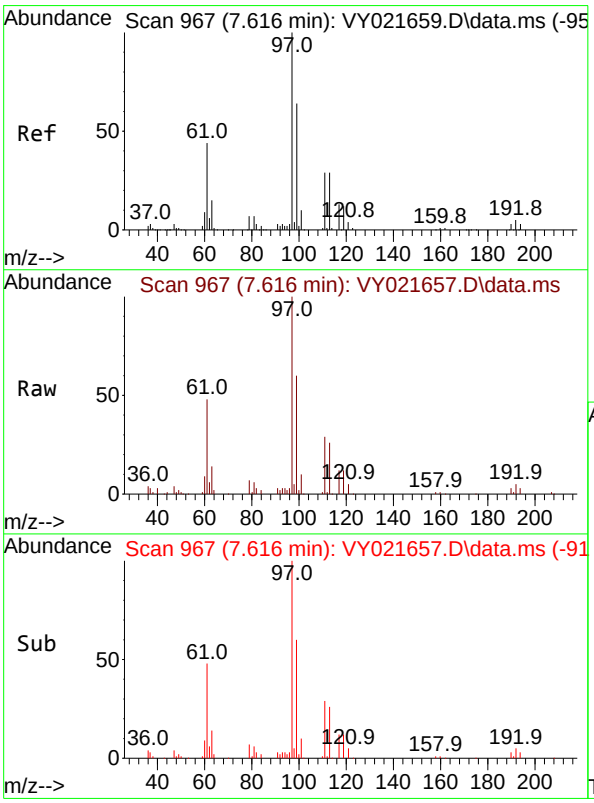
Ion	Ratio	Lower	Upper
56	100		
69	44.1	26.6	40.0
84	92.8	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Supervised By :Mahesh Dadoda 03/28/2025

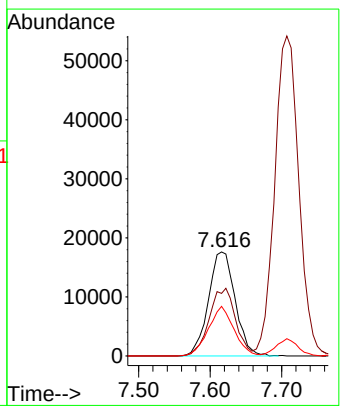


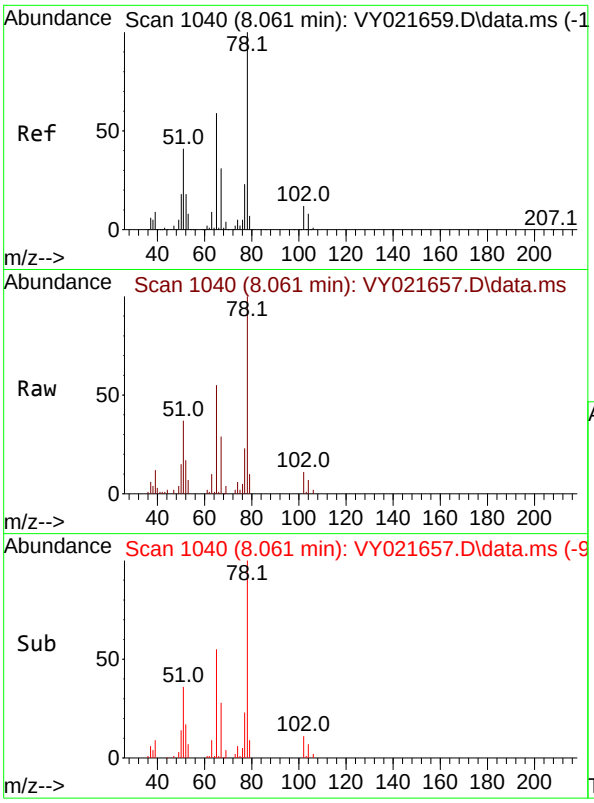


#32
1,1,1-Trichloroethane
Concen: 10.270 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 97 Resp: 45673

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.7	76.1
61	45.8	35.2	52.8

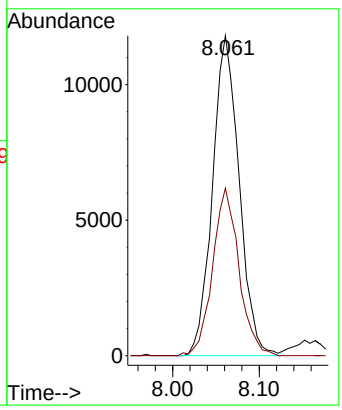




#33
1,2-Dichloroethane-d4
Concen: 10.311 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 65 Resp: 2519

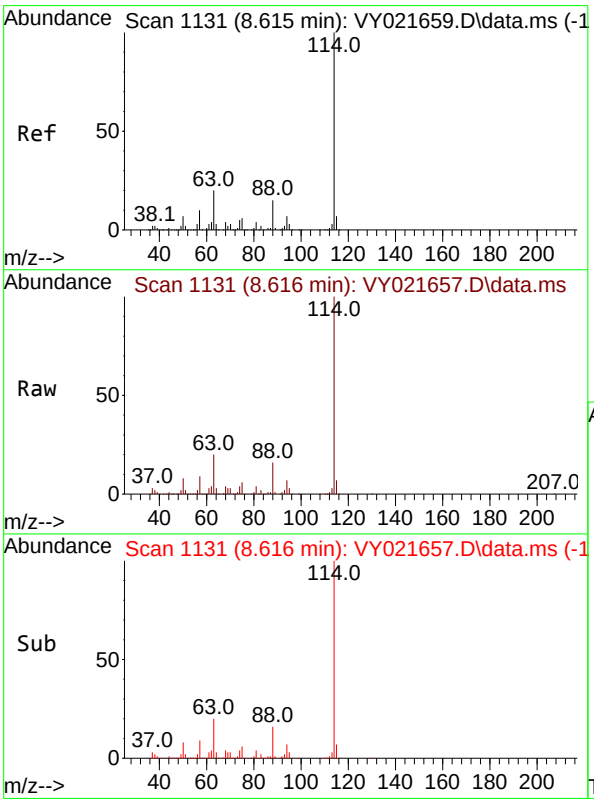
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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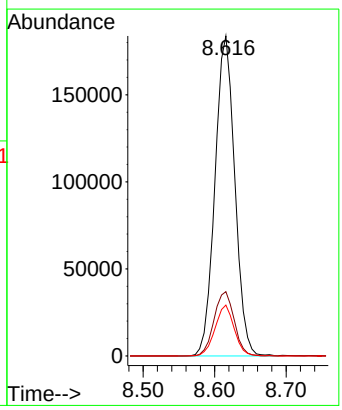
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

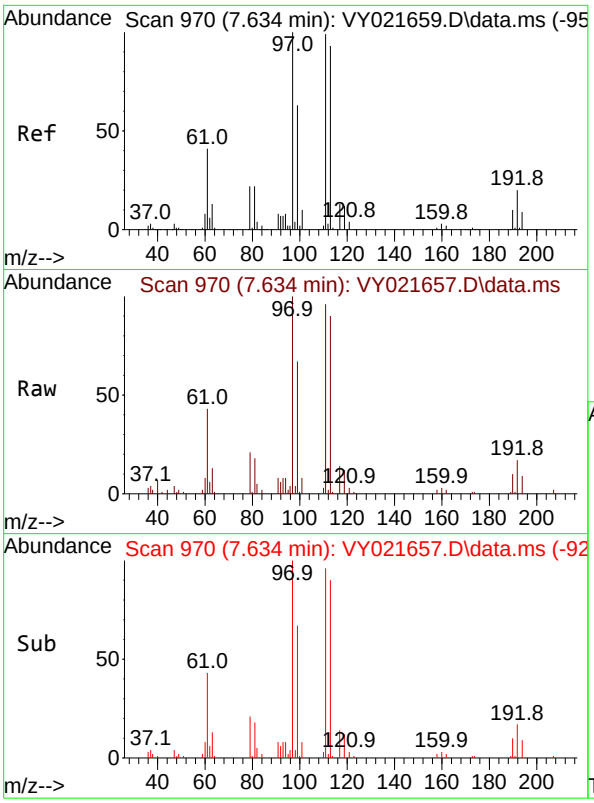


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:114 Resp: 354785

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.9	0.0	29.8

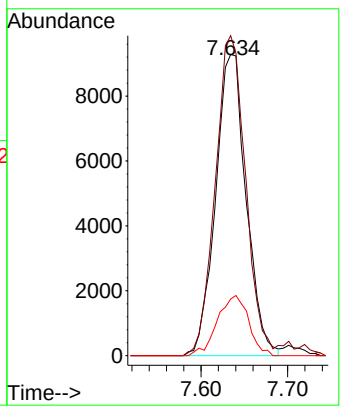




#35
Dibromofluoromethane
Concen: 9.906 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:113 Resp: 2279

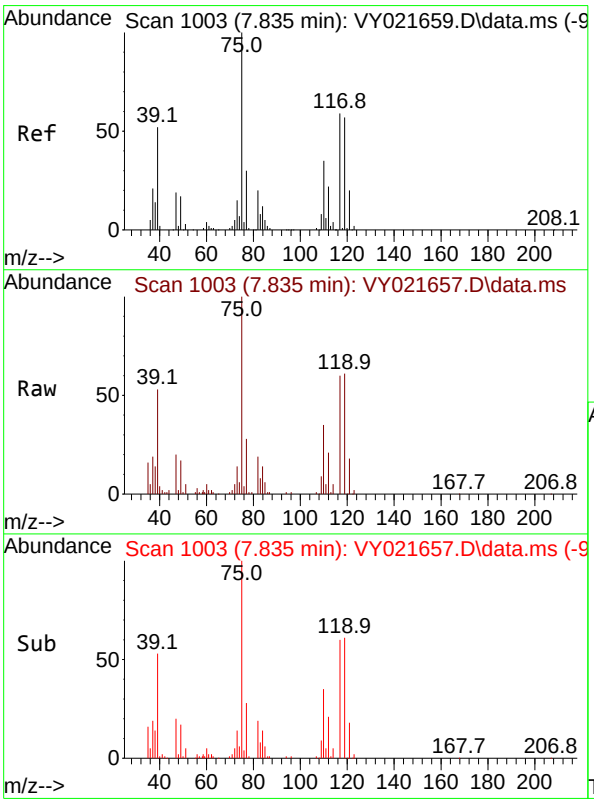
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.6	123.8
192	20.4	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

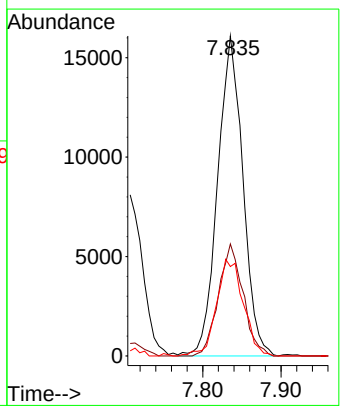
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

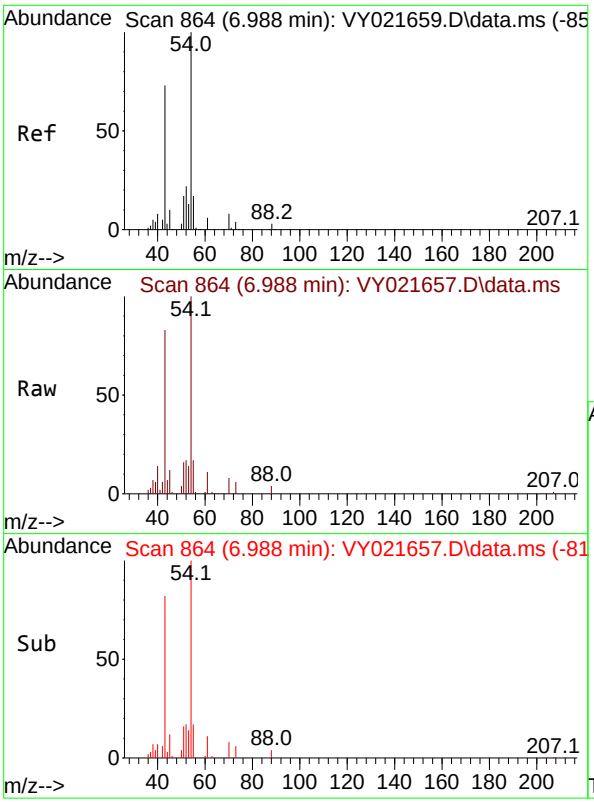


#36
1,1-Dichloropropene
Concen: 10.304 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 36121

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	32.0	24.8	37.2





#37
Ethyl Acetate
Concen: 10.969 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

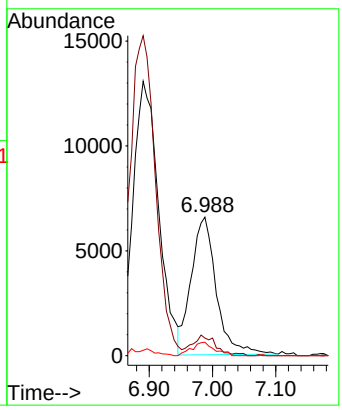
Tgt Ion: 43 Resp: 1814

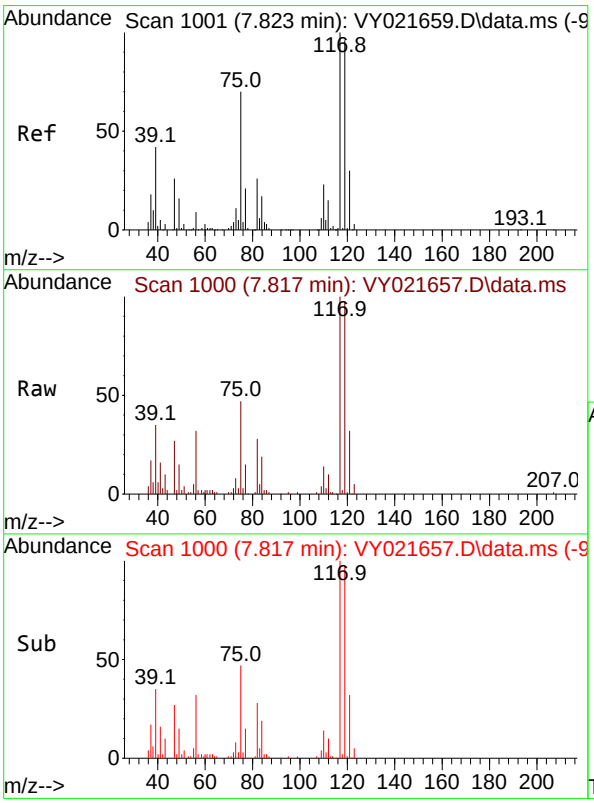
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	8.8	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

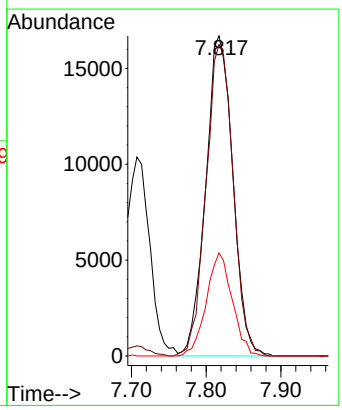


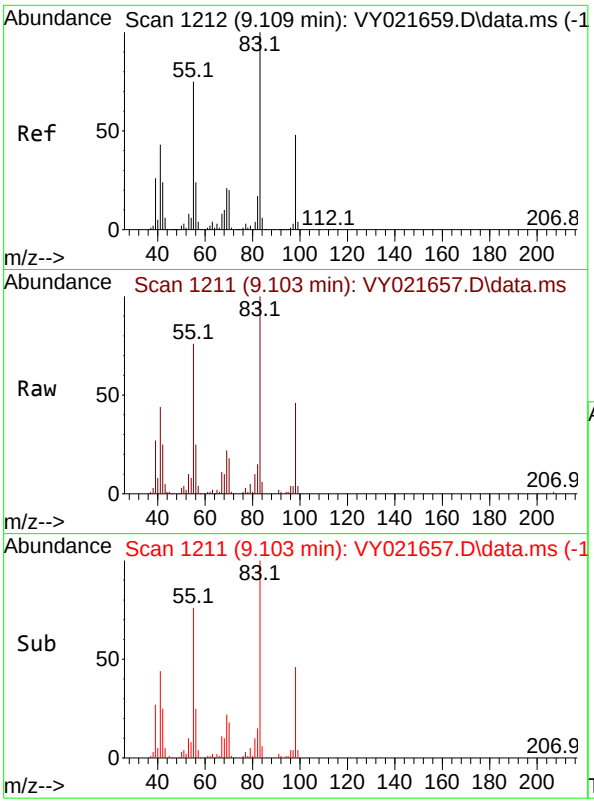


#38
Carbon Tetrachloride
Concen: 10.496 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 42141

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.4
121	32.2	24.2	36.4





#39
Methylcyclohexane
Concen: 10.147 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

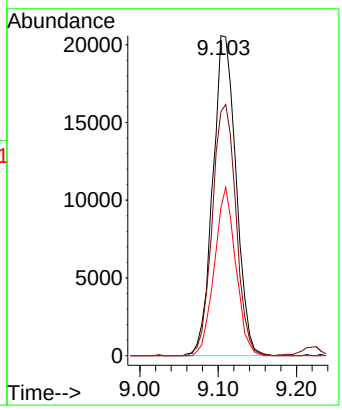
Tgt Ion: 83 Resp: 4249

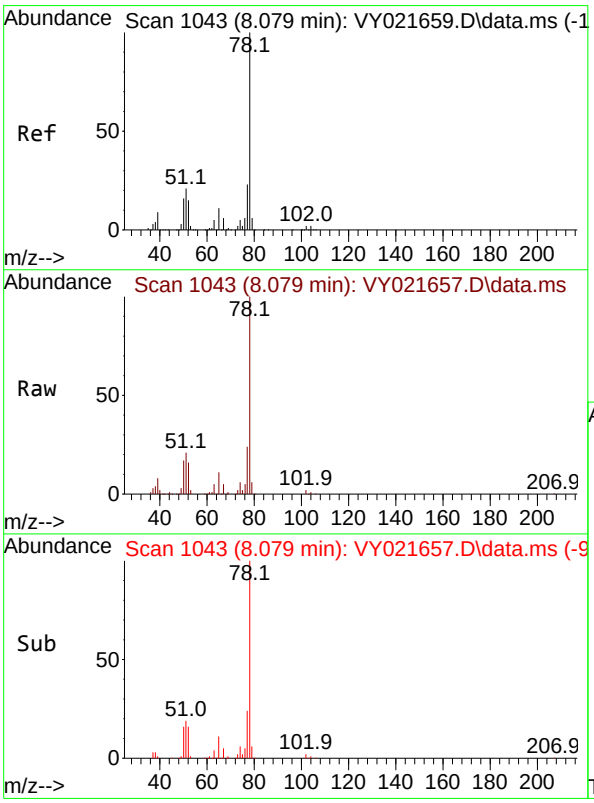
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	46.3	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

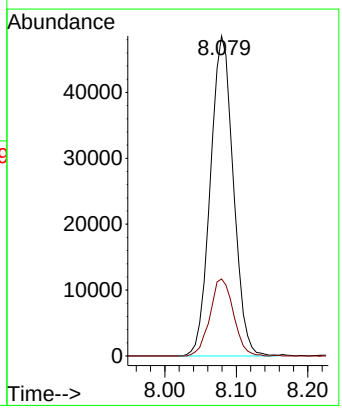


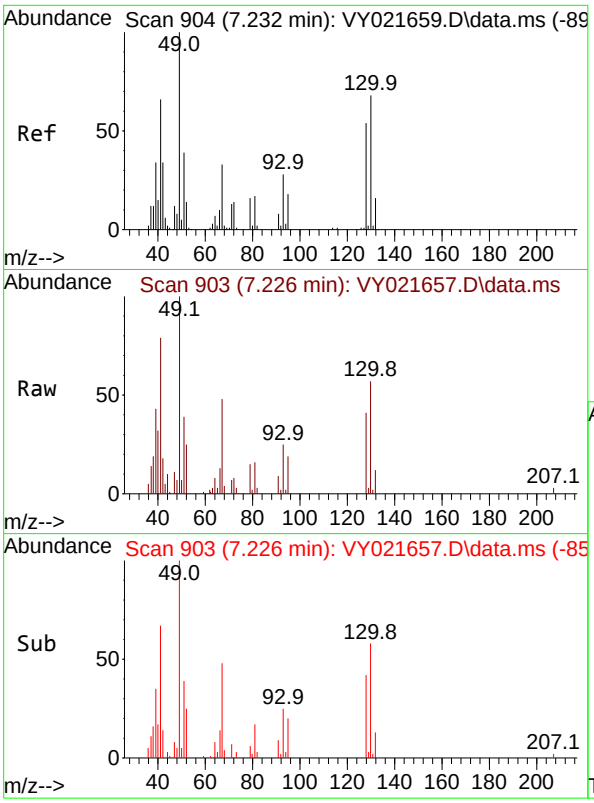


#40
Benzene
Concen: 10.322 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 78 Resp: 108360

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

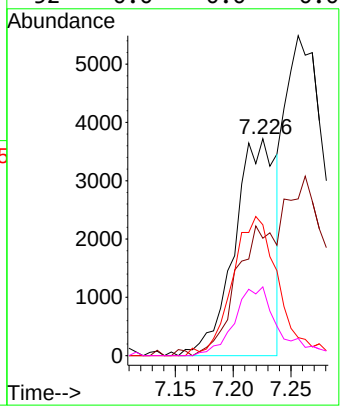




#41
Methacrylonitrile
Concen: 10.635 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 934

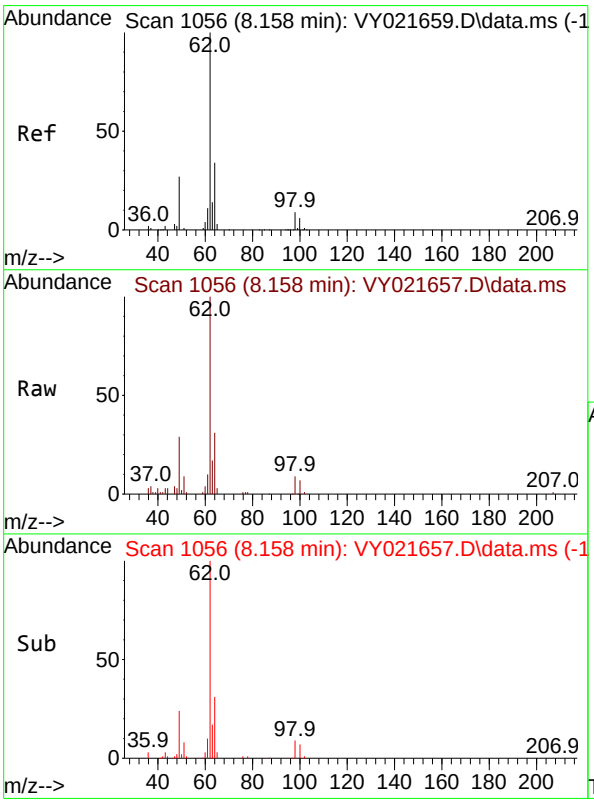
Ion	Ratio	Lower	Upper
41	100		
39	140.2	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

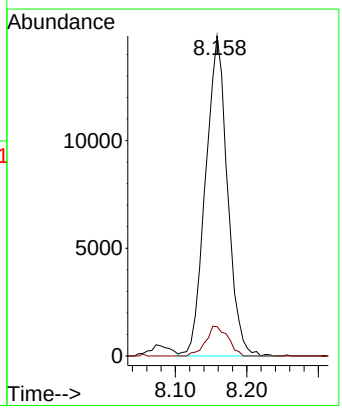
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

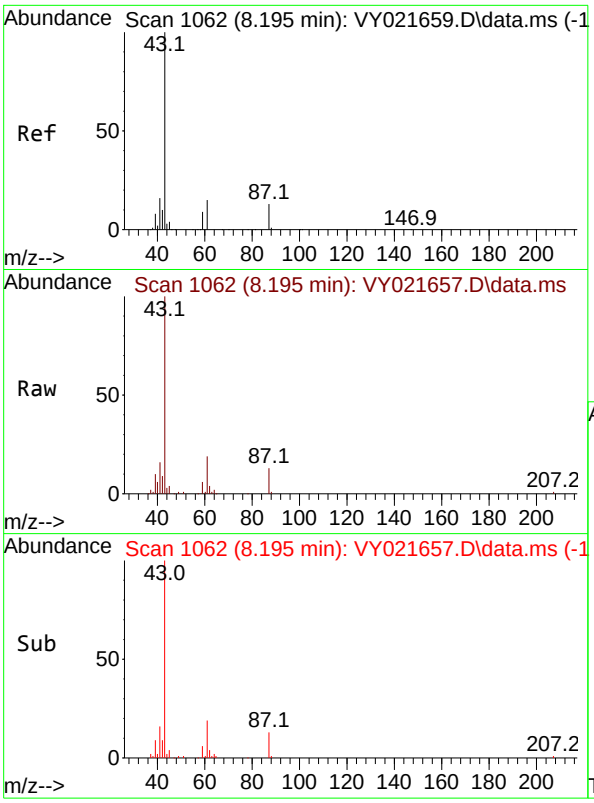


#42
1,2-Dichloroethane
Concen: 10.679 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 31606

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

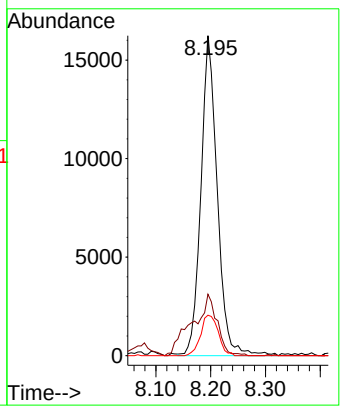




#43
Isopropyl Acetate
Concen: 10.738 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 3366

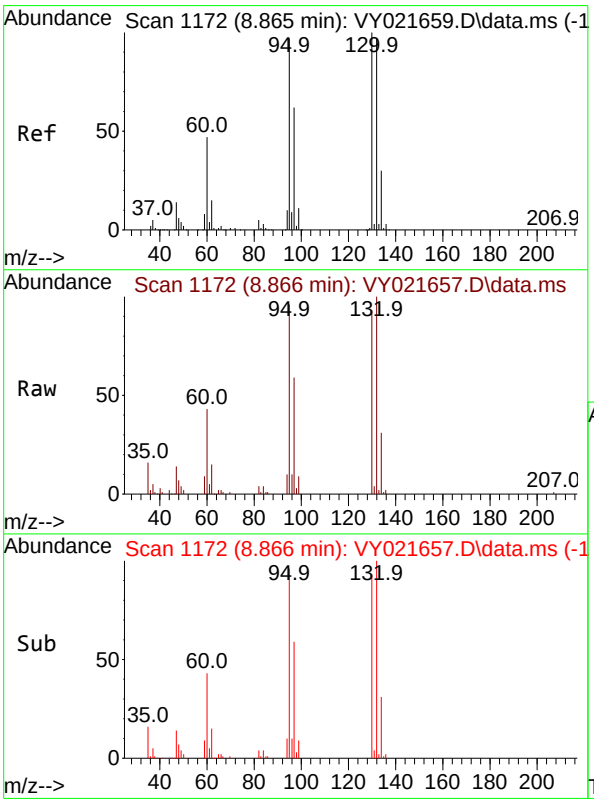
Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.9	23.9
87	13.6	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

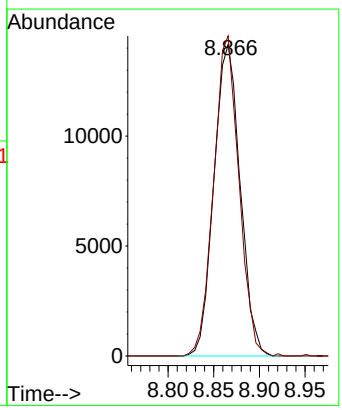
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

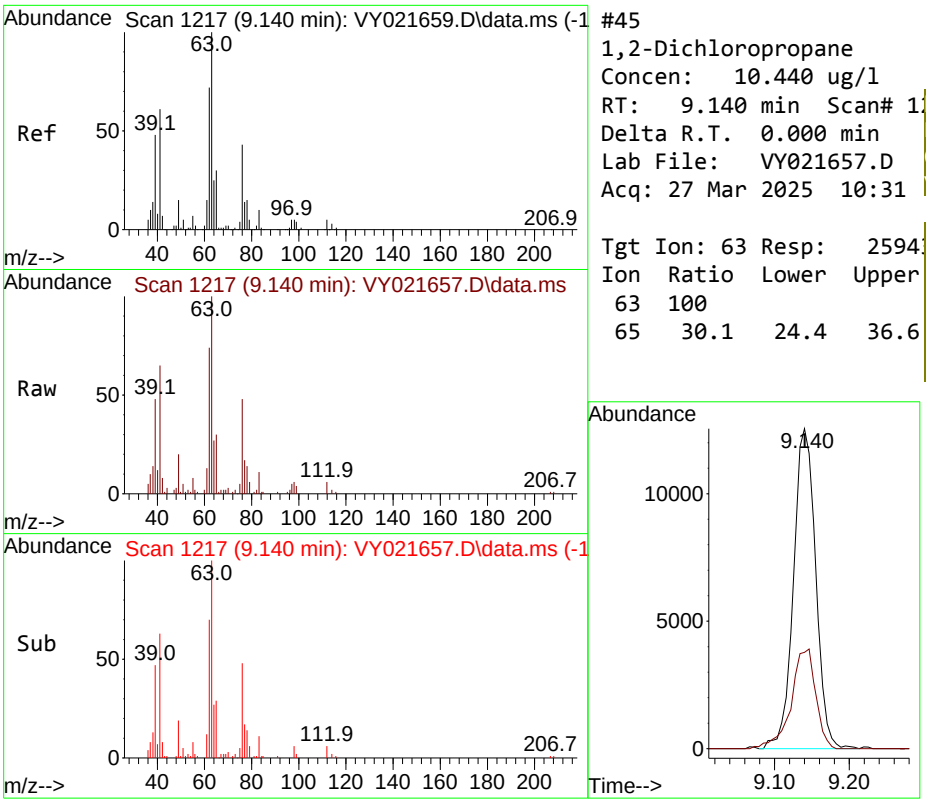


#44
Trichloroethene
Concen: 10.571 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:130 Resp: 28275

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	194.8





#45
1,2-Dichloropropane
Concen: 10.440 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

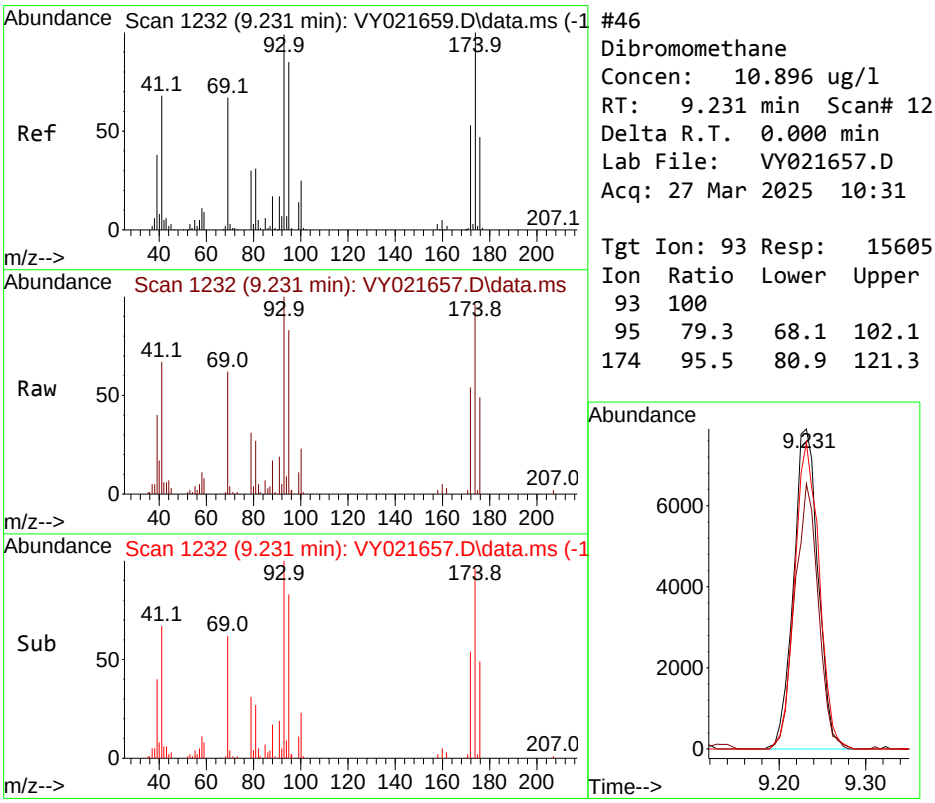
Tgt Ion: 63 Resp: 2594

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

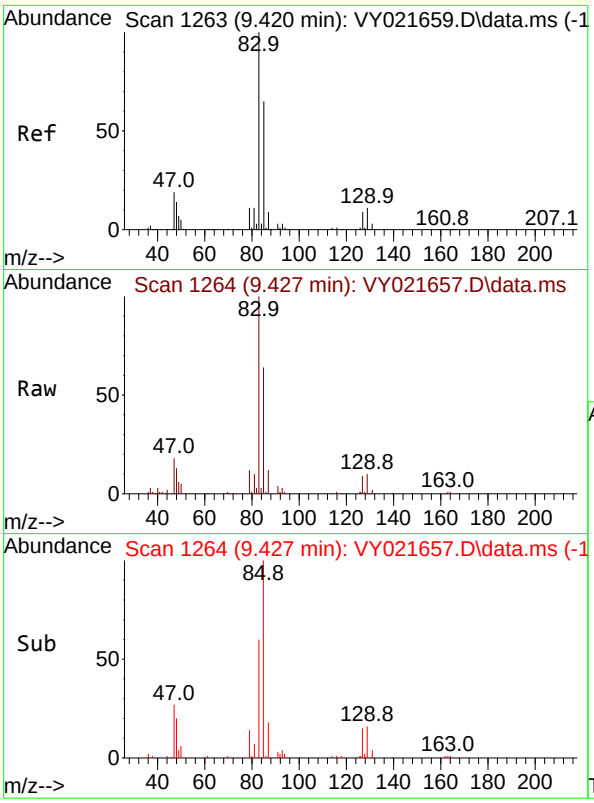
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#46
Dibromomethane
Concen: 10.896 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 93 Resp: 15605

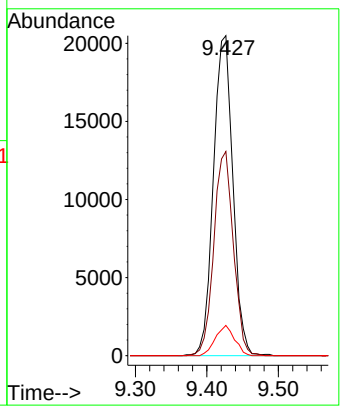
Ion	Ratio	Lower	Upper
93	100		
95	79.3	68.1	102.1
174	95.5	80.9	121.3



#47
Bromodichloromethane
Concen: 10.439 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 83 Resp: 3873

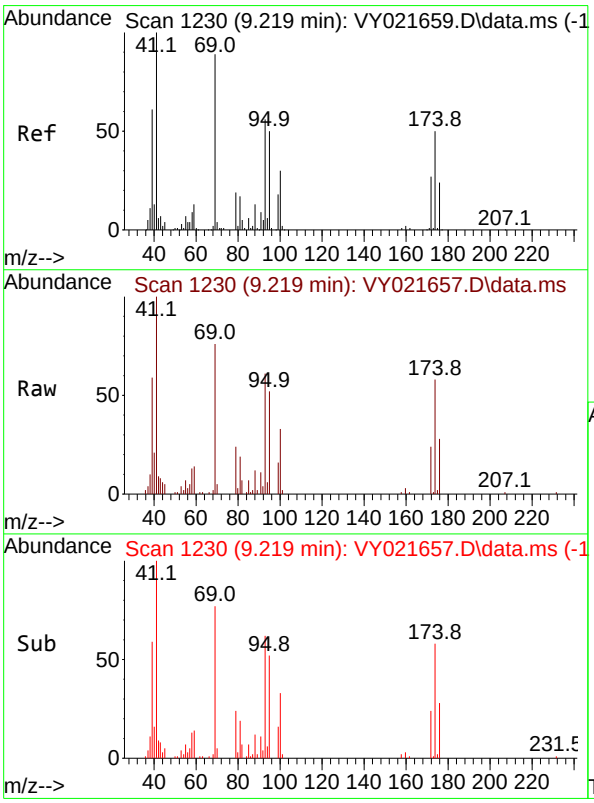
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	9.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

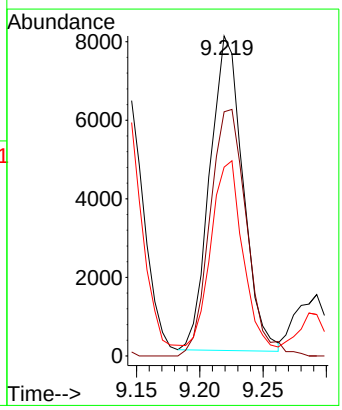
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

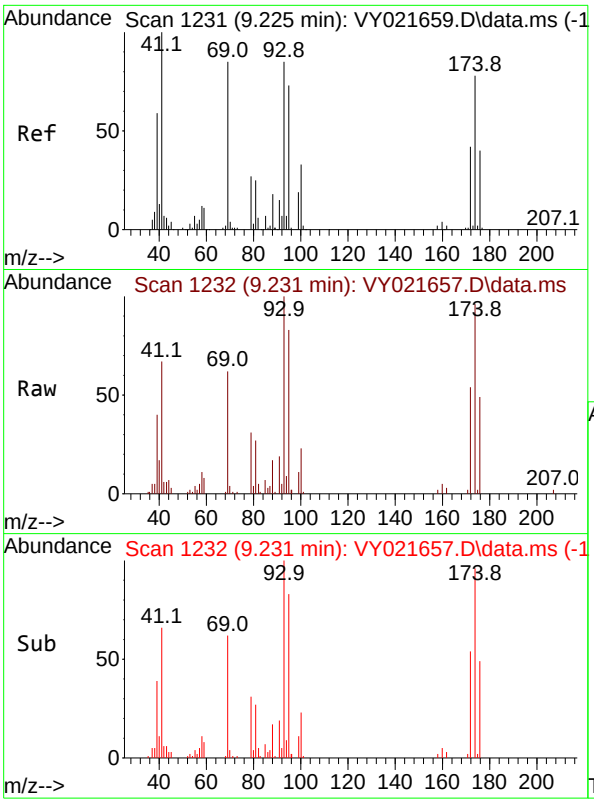


#48
Methyl methacrylate
Concen: 10.130 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 14576

Ion	Ratio	Lower	Upper
41	100		
69	86.5	69.8	104.8
39	56.4	47.2	70.8

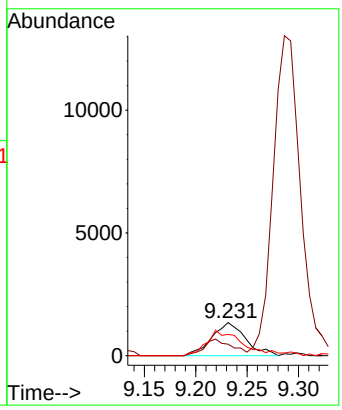




#49
1,4-Dioxane
Concen: 200.565 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 88 Resp: 307

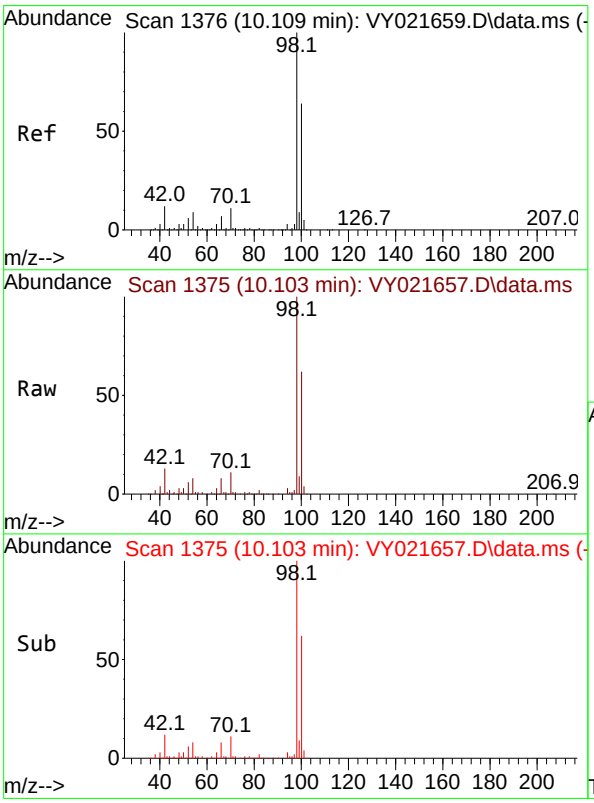
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.8	43.2
58	85.0	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

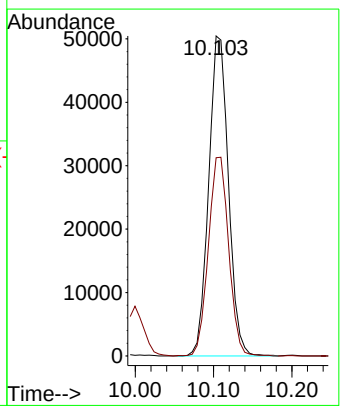
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

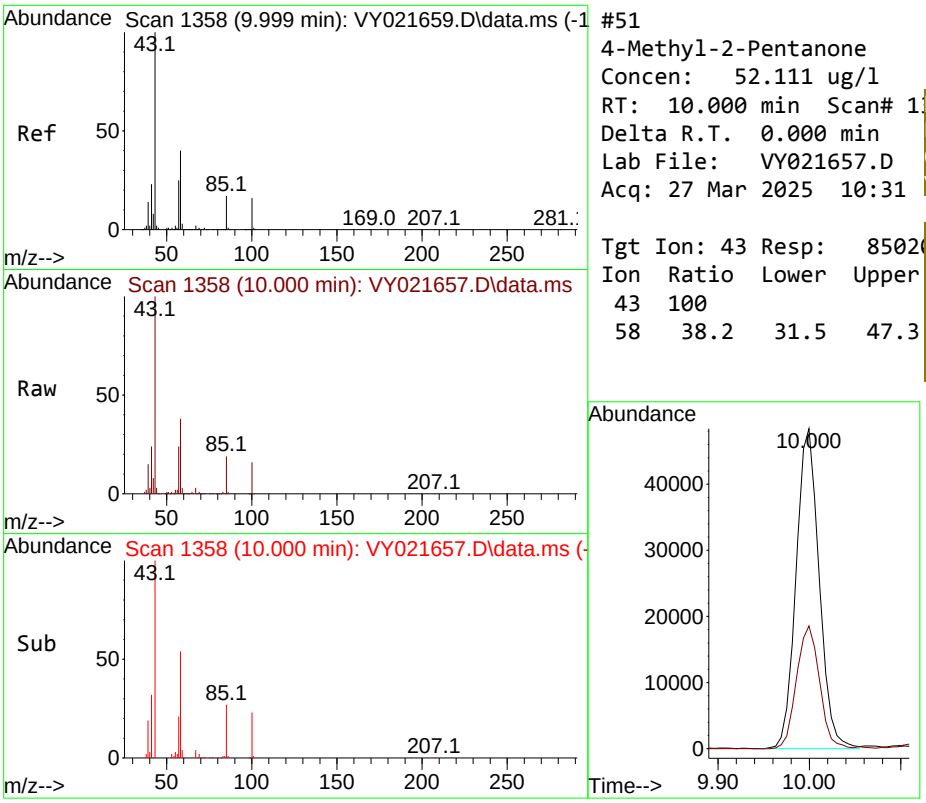


#50
Toluene-d8
Concen: 10.051 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 98 Resp: 88000

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 52.111 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

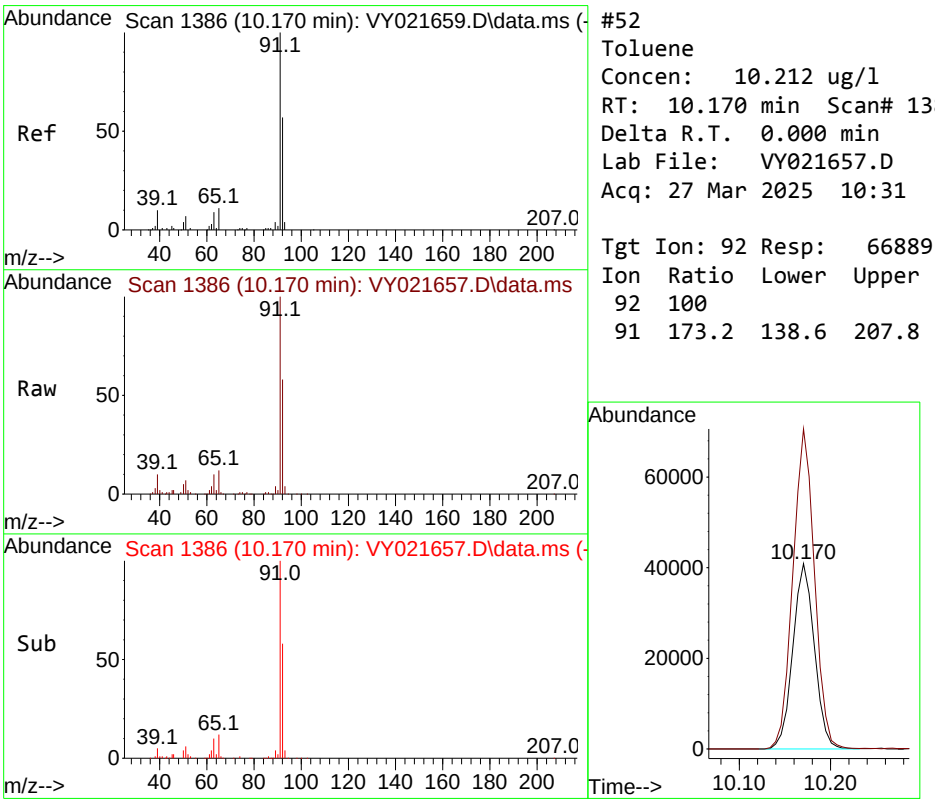
Tgt Ion: 43 Resp: 8502

Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

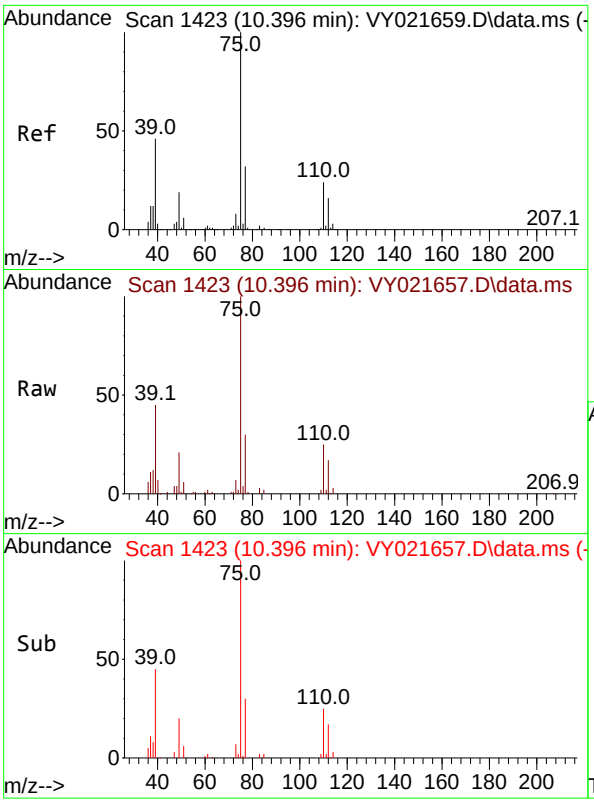
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 10.212 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 92 Resp: 66889

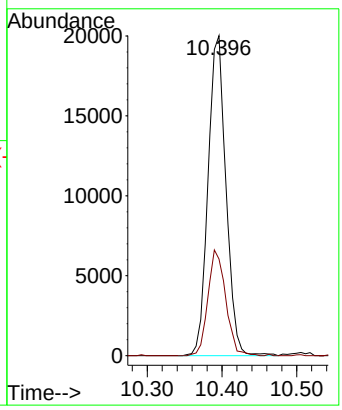
Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8



#53
t-1,3-Dichloropropene
Concen: 10.120 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3335

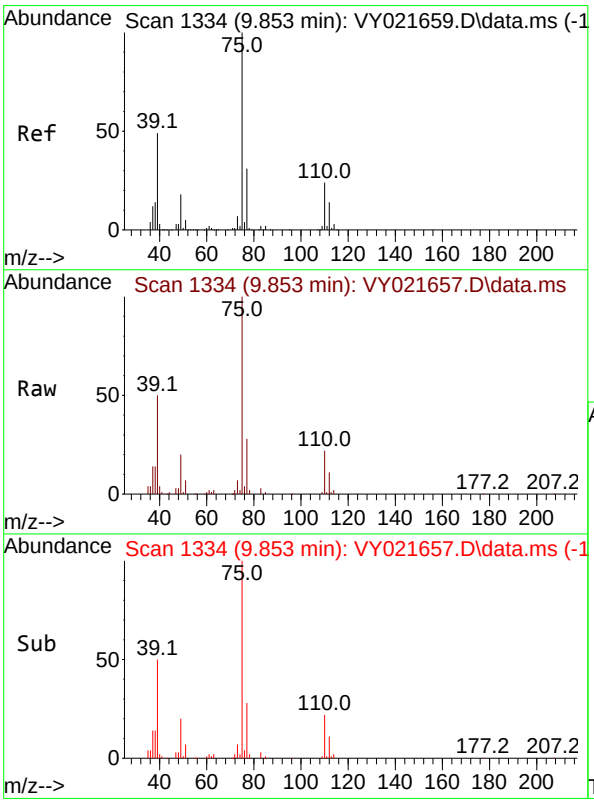
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

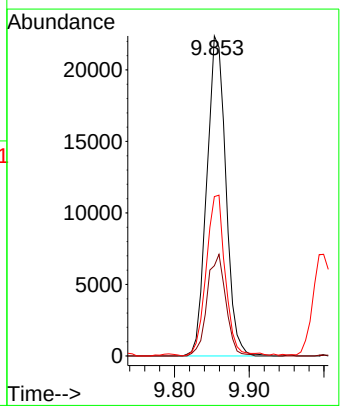
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

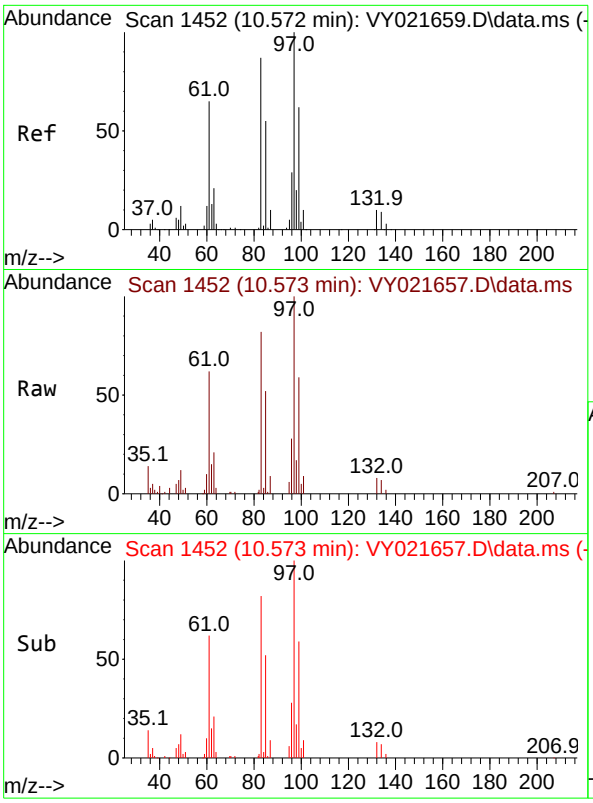


#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 39609

Ion	Ratio	Lower	Upper
75	100		
77	28.2	24.9	37.3
39	49.6	39.2	58.8

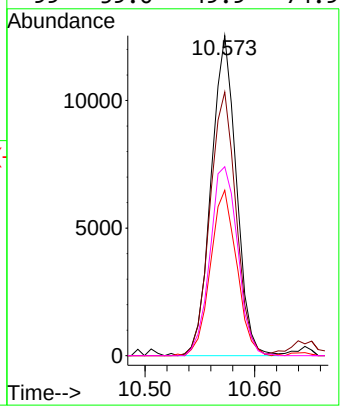




#55
1,1,2-Trichloroethane
Concen: 10.879 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 97 Resp: 2005

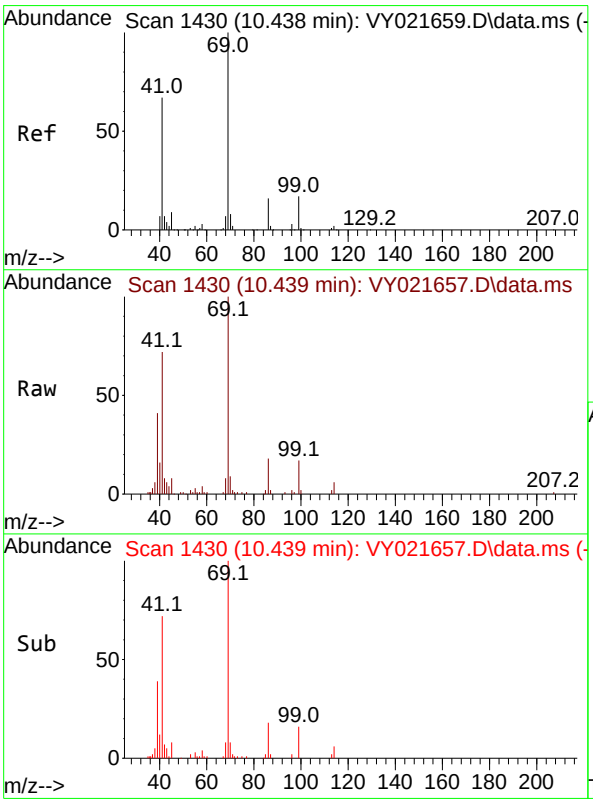
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.5	104.3
85	51.3	43.9	65.9
99	59.0	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

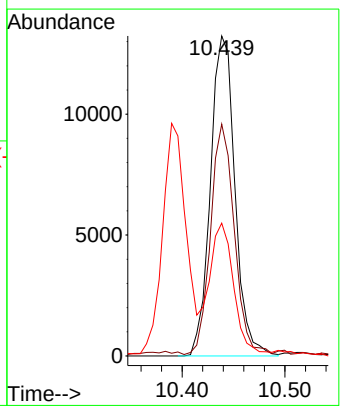
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

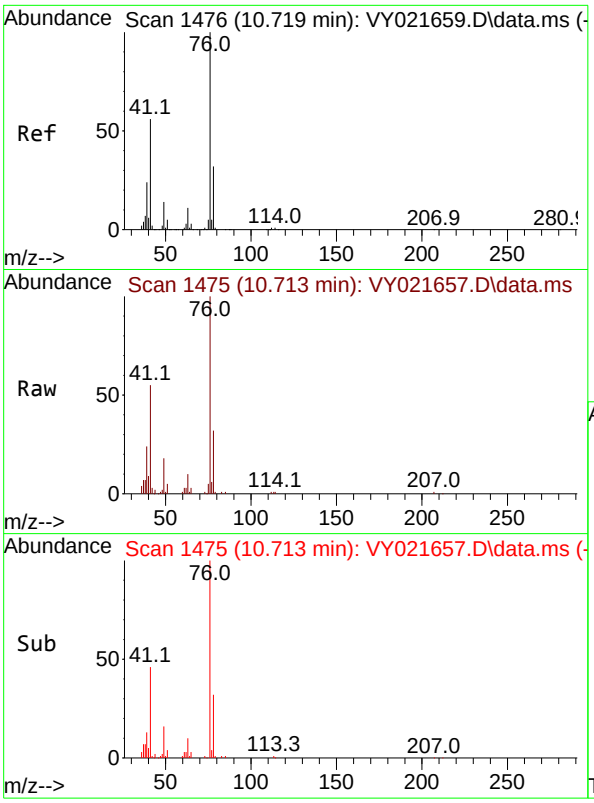


#56
Ethyl methacrylate
Concen: 9.307 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 69 Resp: 21901

Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.8	80.6
39	40.2	29.6	44.4





#57
1,3-Dichloropropane
Concen: 10.467 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

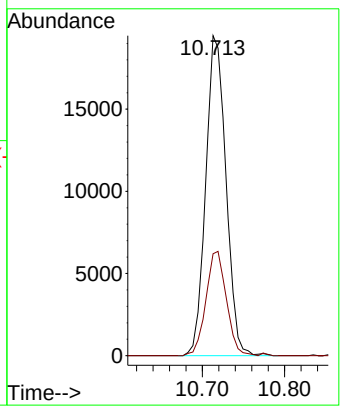
Tgt Ion: 76 Resp: 3331(

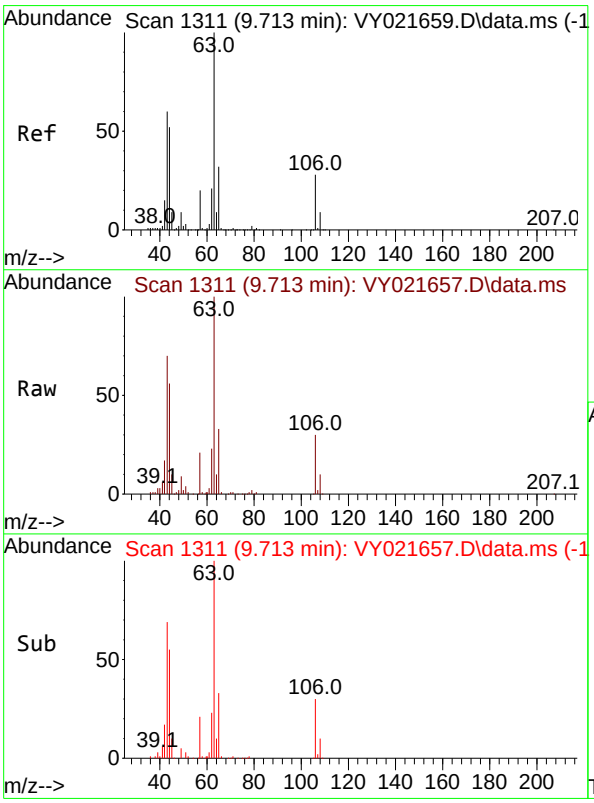
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

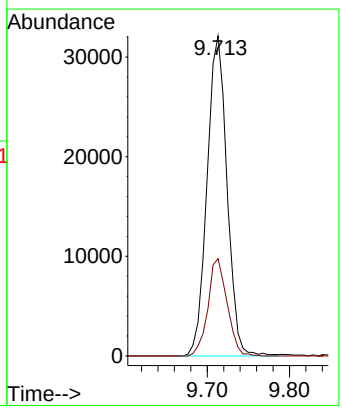


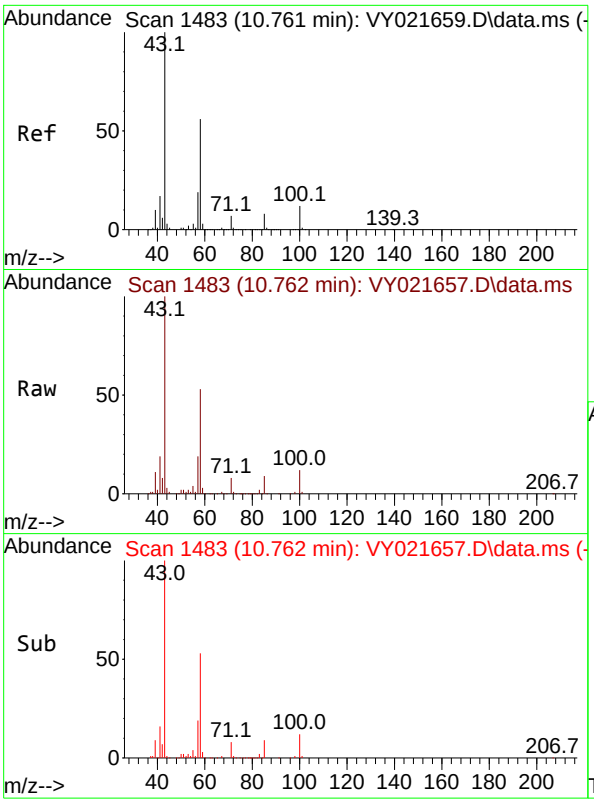


#58
2-Chloroethyl Vinyl ether
Concen: 47.274 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 54271

Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.4	33.6





#59
2-Hexanone
Concen: 50.295 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

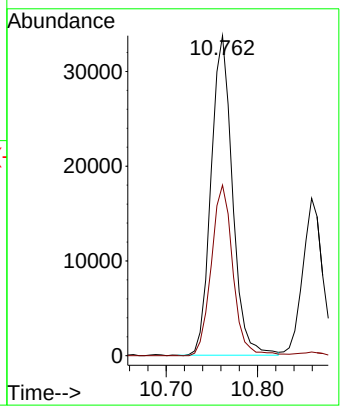
Tgt Ion: 43 Resp: 5464

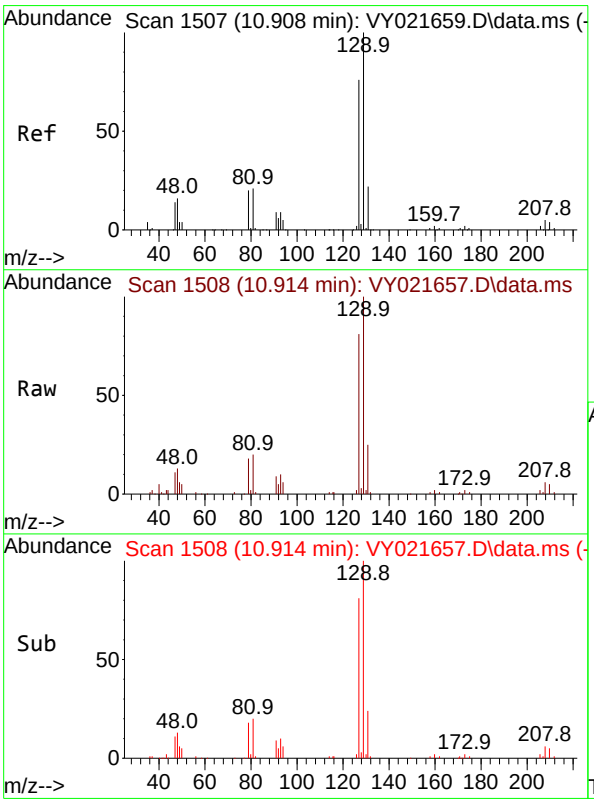
Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

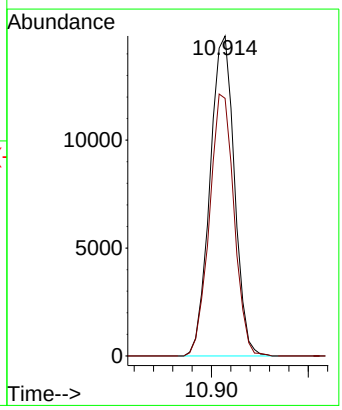


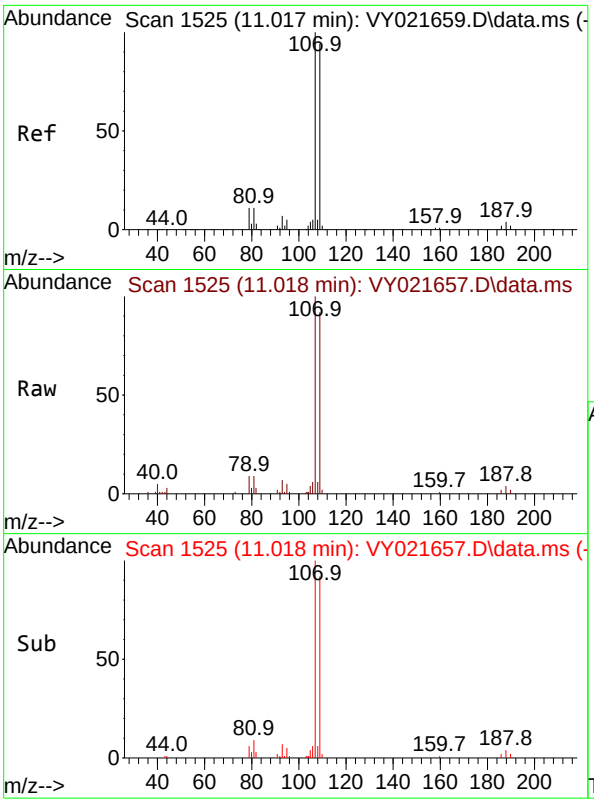


#60
Dibromochloromethane
Concen: 10.346 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:129 Resp: 26032

Ion	Ratio	Lower	Upper
129	100		
127	82.2	38.6	115.7





#61
1,2-Dibromoethane
Concen: 10.251 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

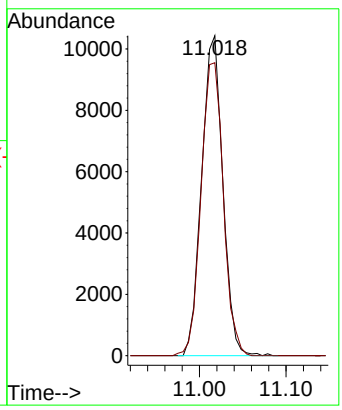
Tgt Ion:107 Resp: 1772

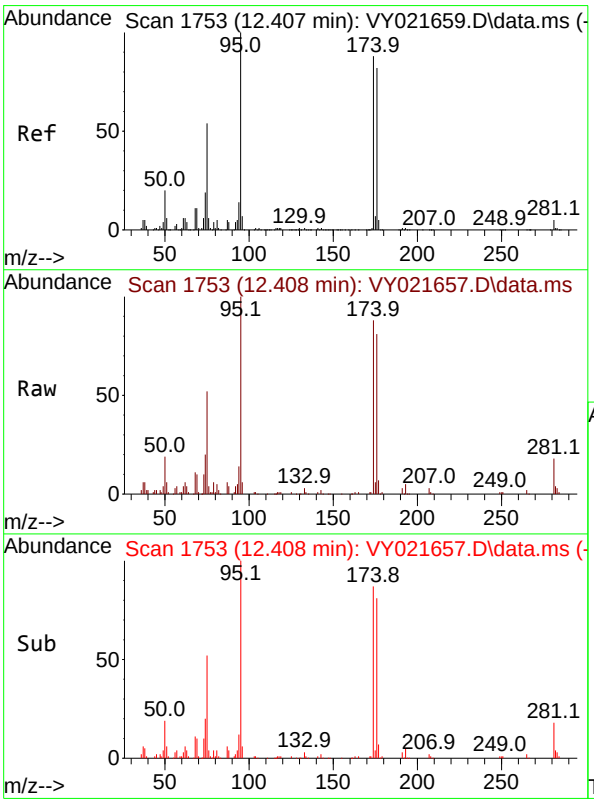
Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

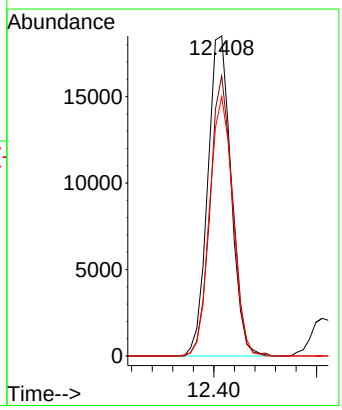


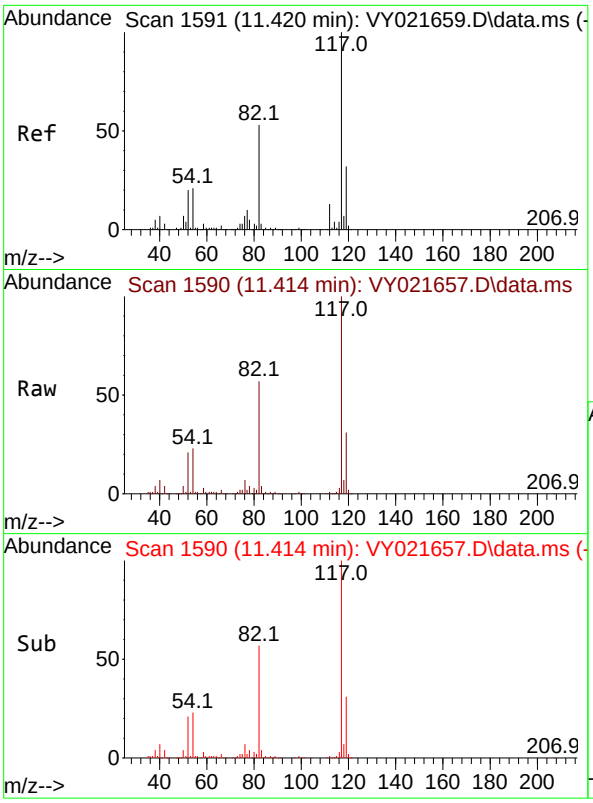


#62
4-Bromofluorobenzene
Concen: 9.835 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 95 Resp: 29125

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.8
176	81.1	0.0	162.0

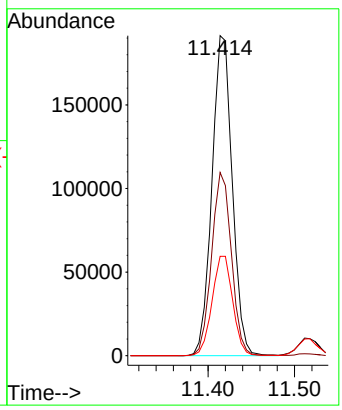




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 31173

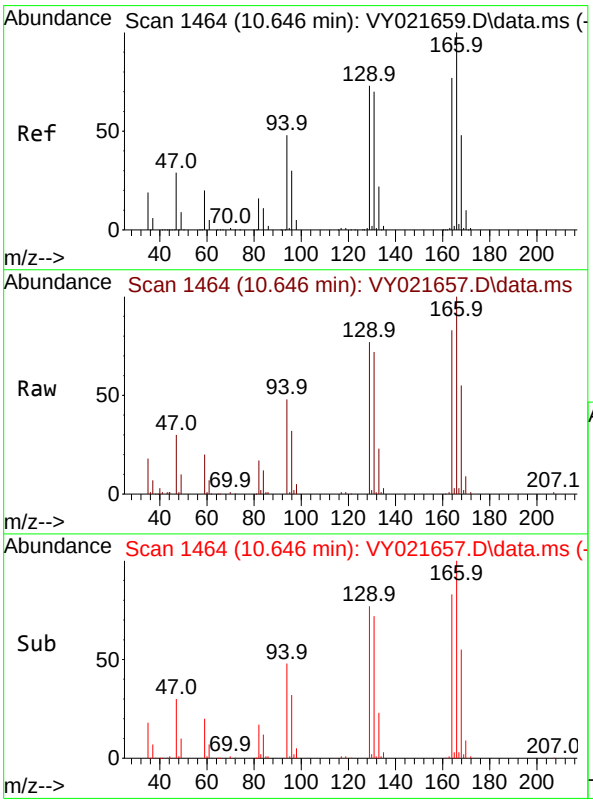
Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.8	64.2
119	31.0	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

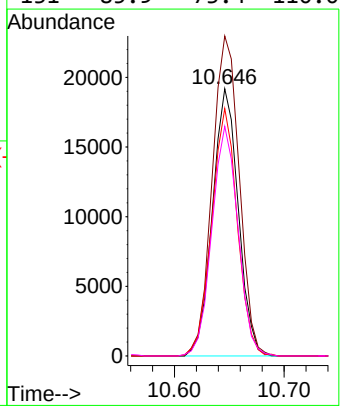
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

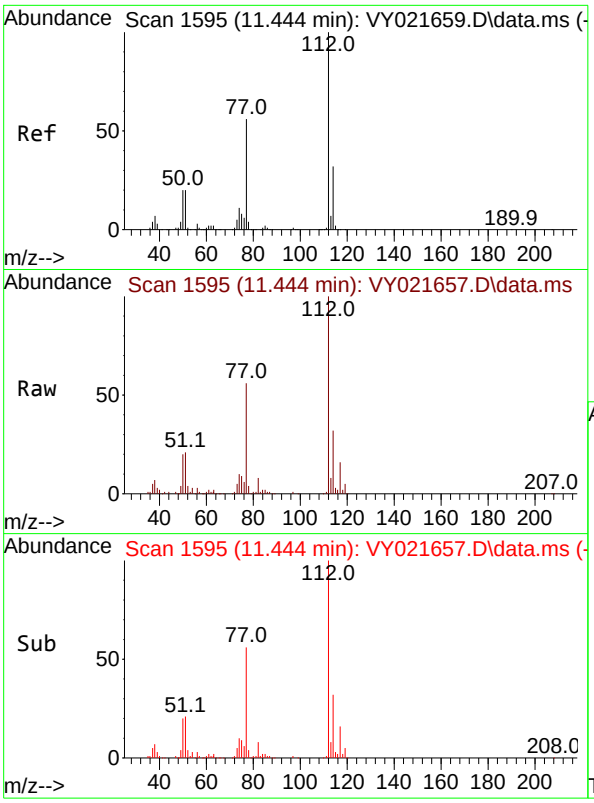


#64
Tetrachloroethene
Concen: 11.036 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:164 Resp: 31334

Ion	Ratio	Lower	Upper
164	100		
166	119.8	104.6	156.8
129	92.6	76.6	114.8
131	85.9	73.4	110.0

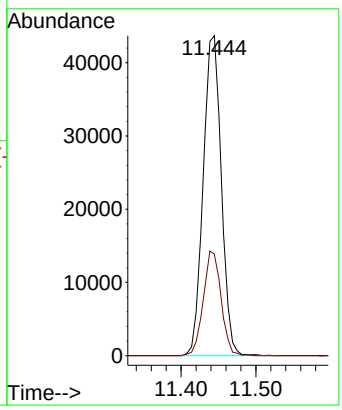




#65
Chlorobenzene
Concen: 10.276 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:112 Resp: 7343

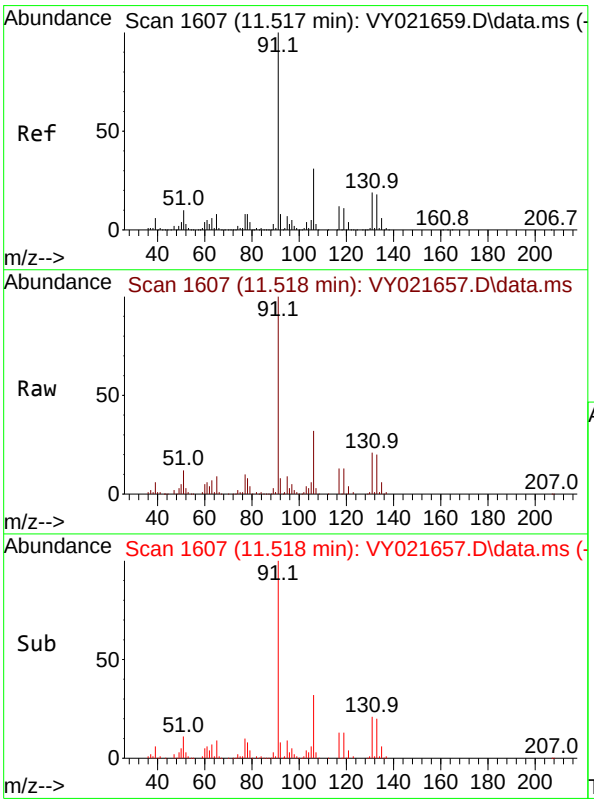
Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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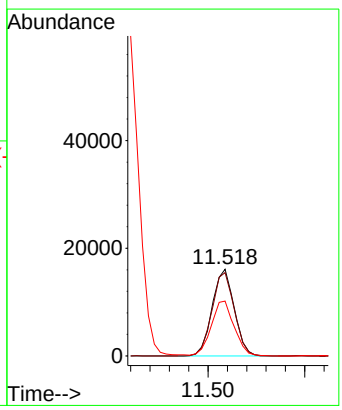
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

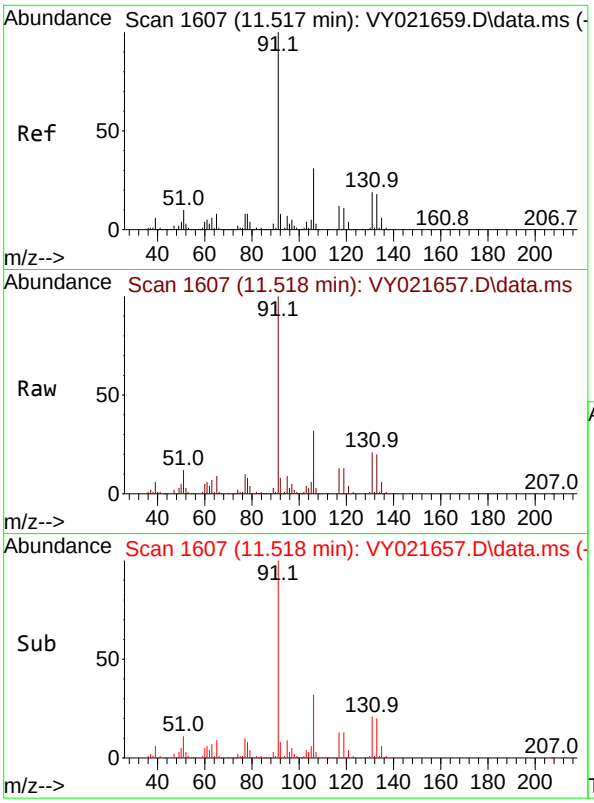


#66
1,1,1,2-Tetrachloroethane
Concen: 10.060 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:131 Resp: 25506

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.3	141.8
119	65.9	31.6	95.0





#67
Ethyl Benzene
Concen: 9.750 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

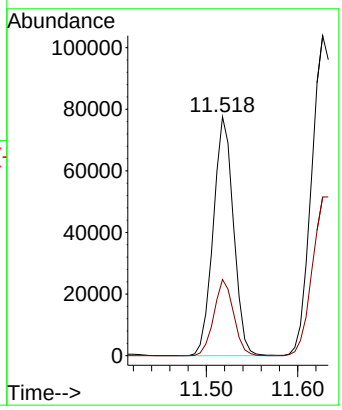
Tgt Ion: 91 Resp: 11948

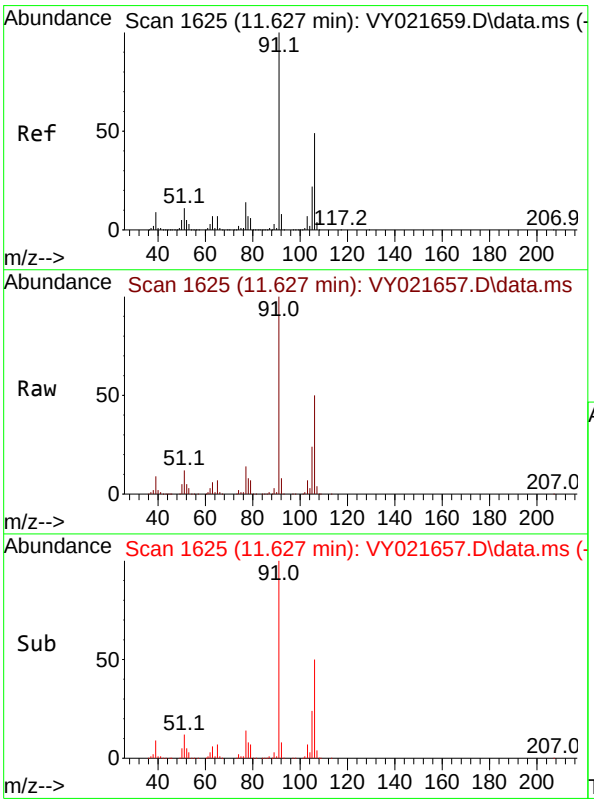
Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

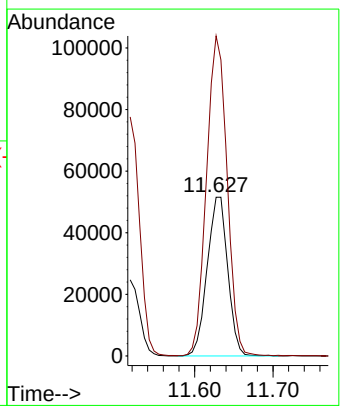


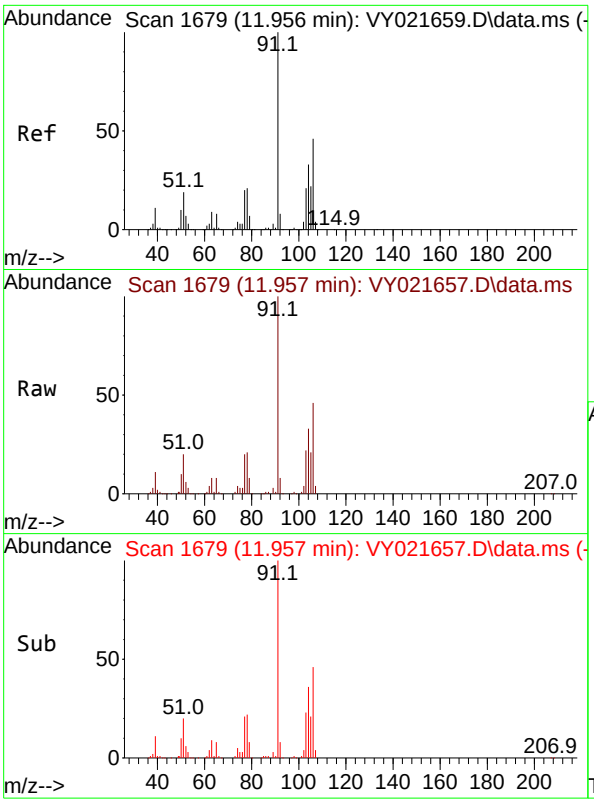


#68
m/p-Xylenes
Concen: 20.009 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:106 Resp: 93887

Ion	Ratio	Lower	Upper
106	100		
91	201.5	162.4	243.6

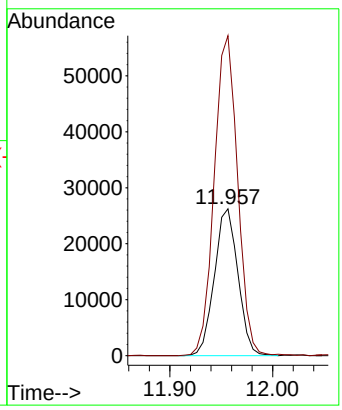




#69
o-Xylene
Concen: 9.643 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:106 Resp: 4176

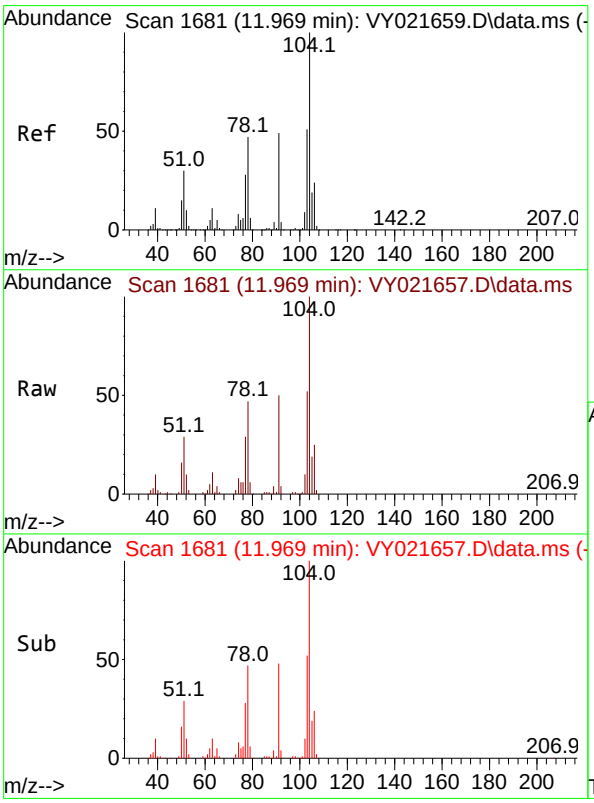
Ion	Ratio	Lower	Upper
106	100		
91	216.6	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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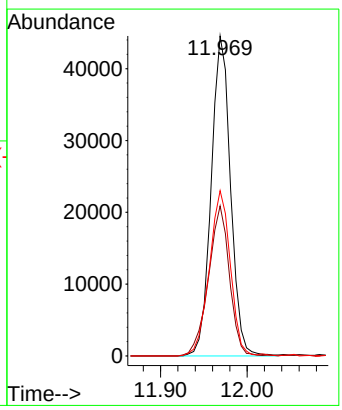
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

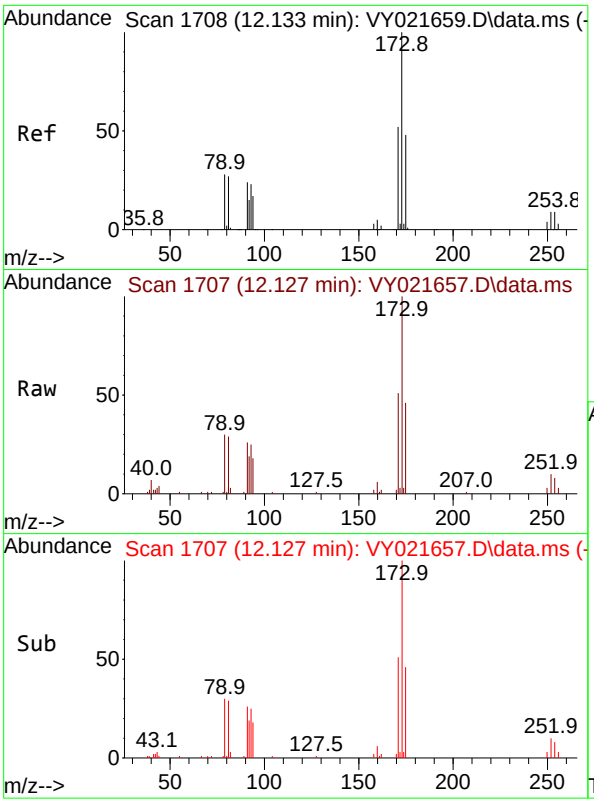


#70
Styrene
Concen: 9.581 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:104 Resp: 69196

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.8	61.2
103	56.1	44.2	66.2

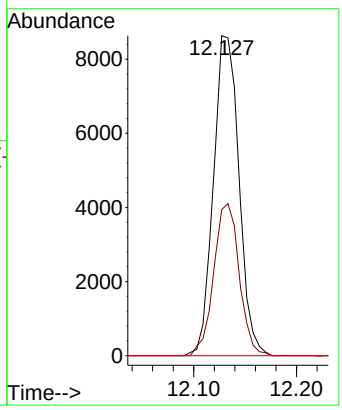




#71
Bromoform
Concen: 10.294 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:173 Resp: 1488

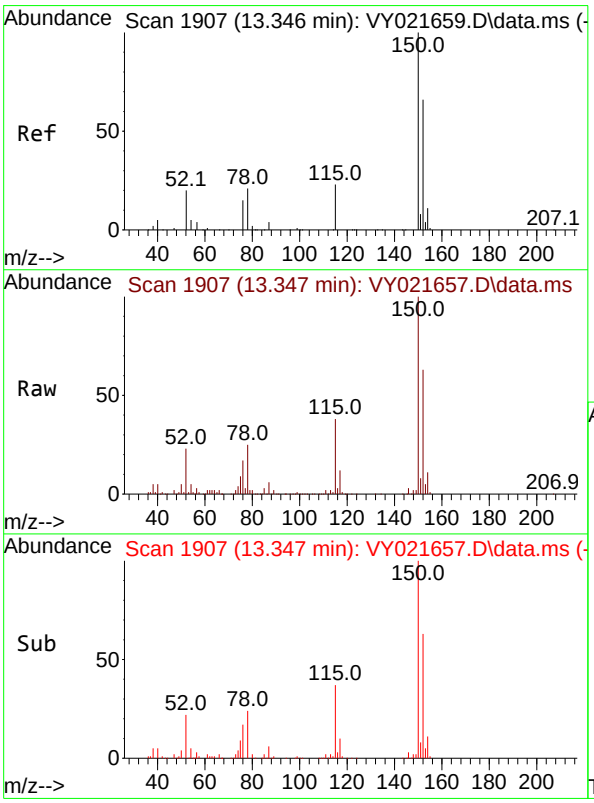
Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

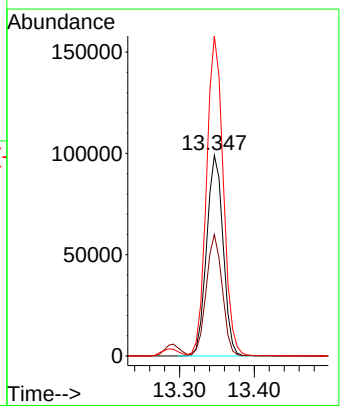
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

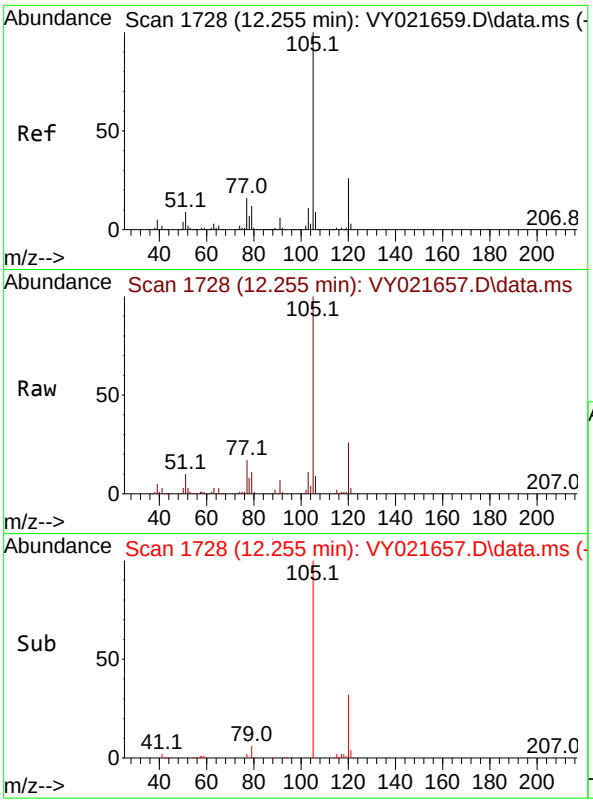


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:152 Resp: 152005

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	161.6	0.0	348.4

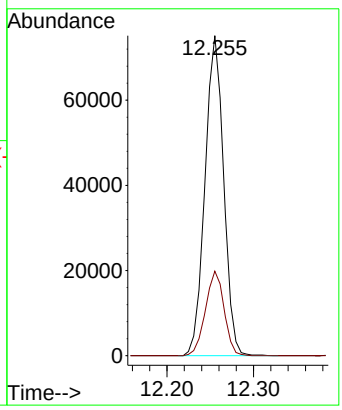




#73
Isopropylbenzene
Concen: 9.966 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 11251

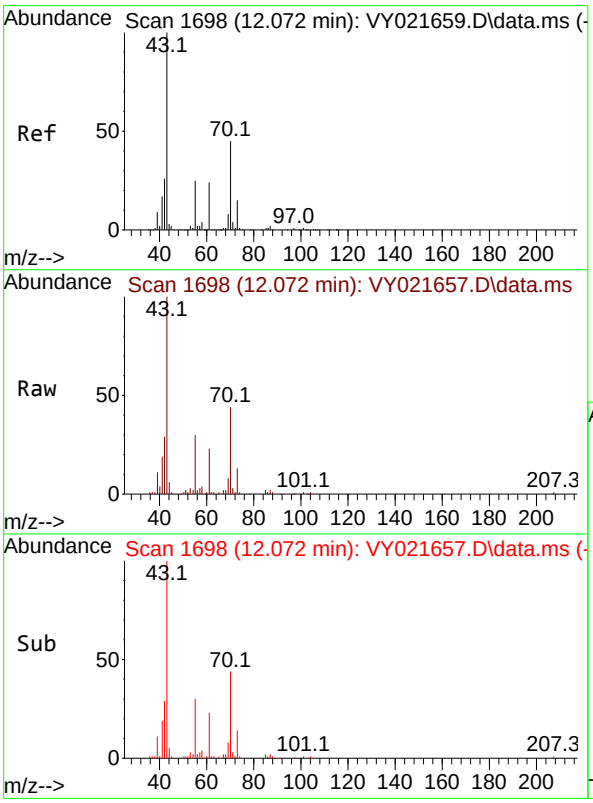
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

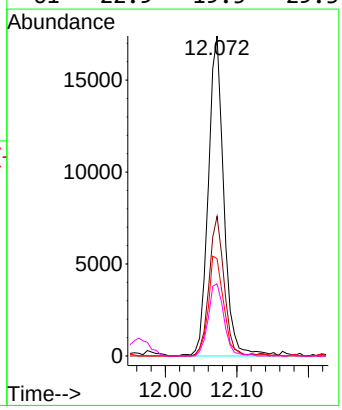
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

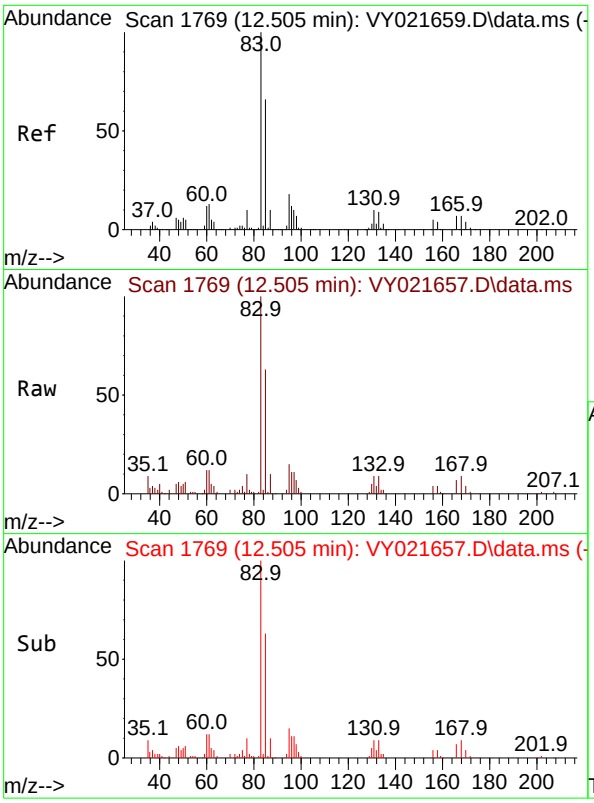


#74
N-amyl acetate
Concen: 9.910 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 26259

Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.7	52.1
55	30.8	21.2	31.8
61	22.9	19.5	29.3

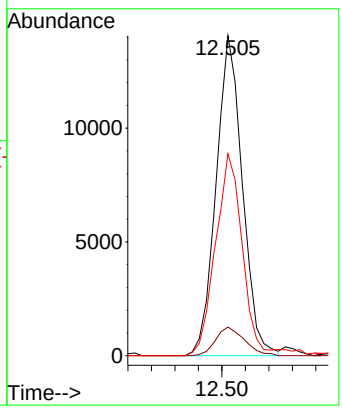




#75
1,1,2,2-Tetrachloroethane
Concen: 10.781 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 83 Resp: 2188

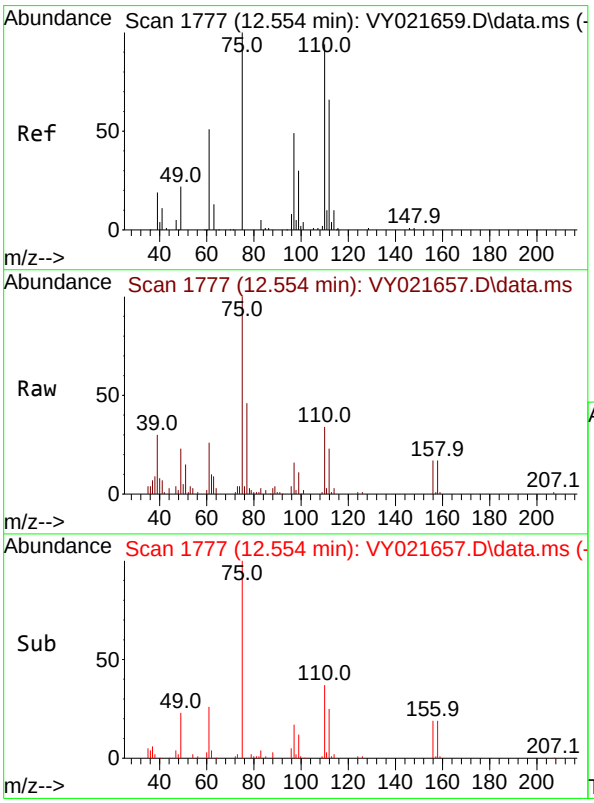
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	65.8	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

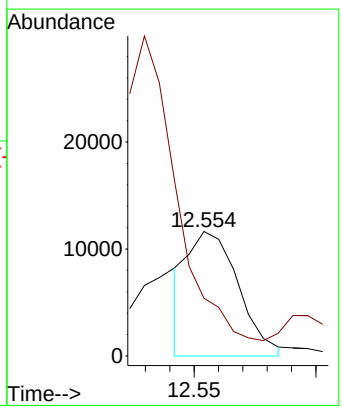
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

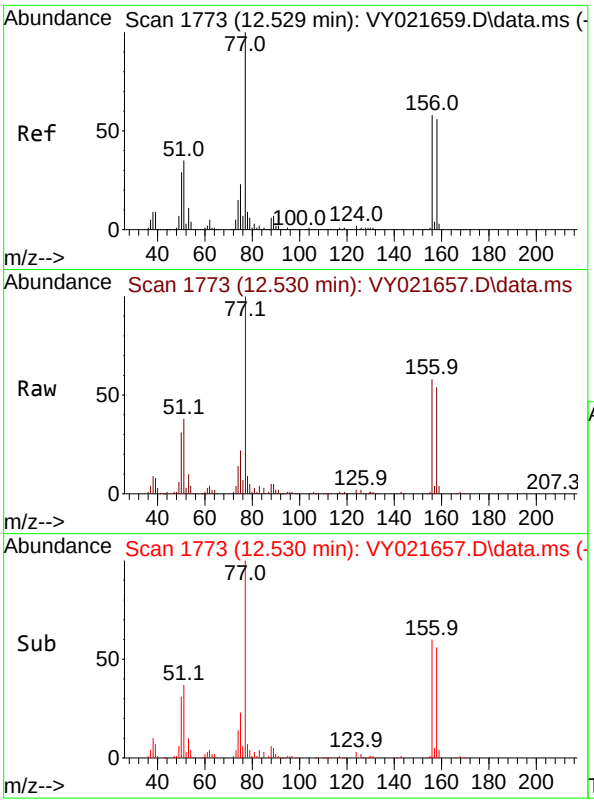


#76
1,2,3-Trichloropropane
Concen: 11.300 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 17026

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

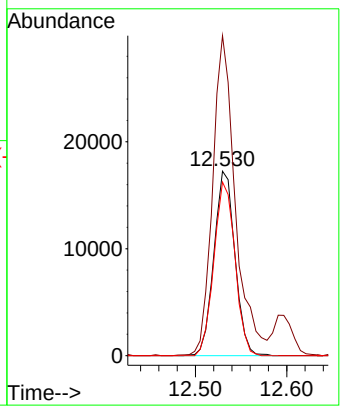




#77
Bromobenzene
Concen: 10.199 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:156 Resp: 2764

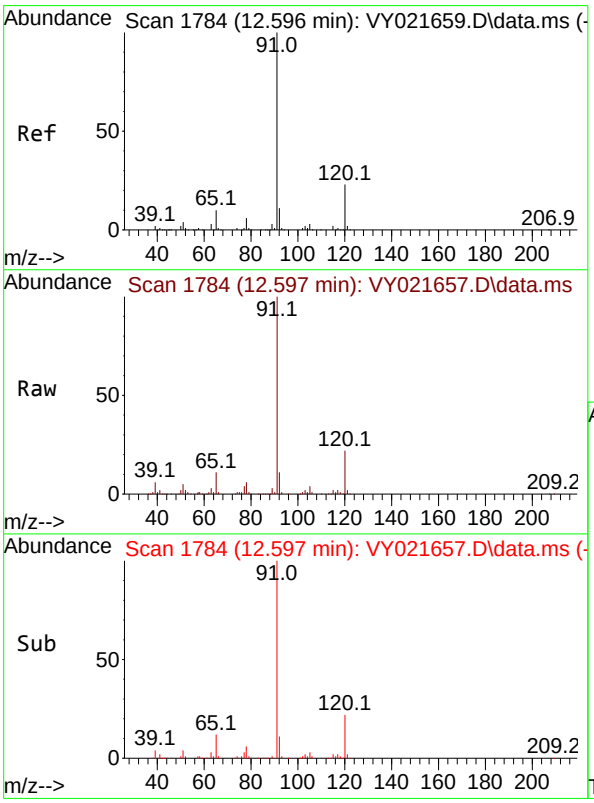
Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.8	278.3
158	94.2	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

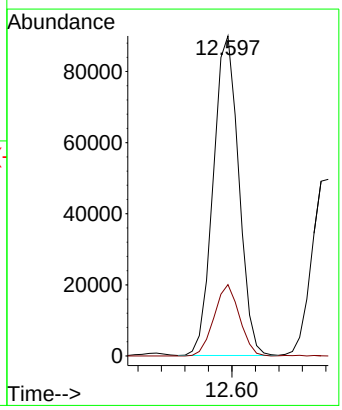
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

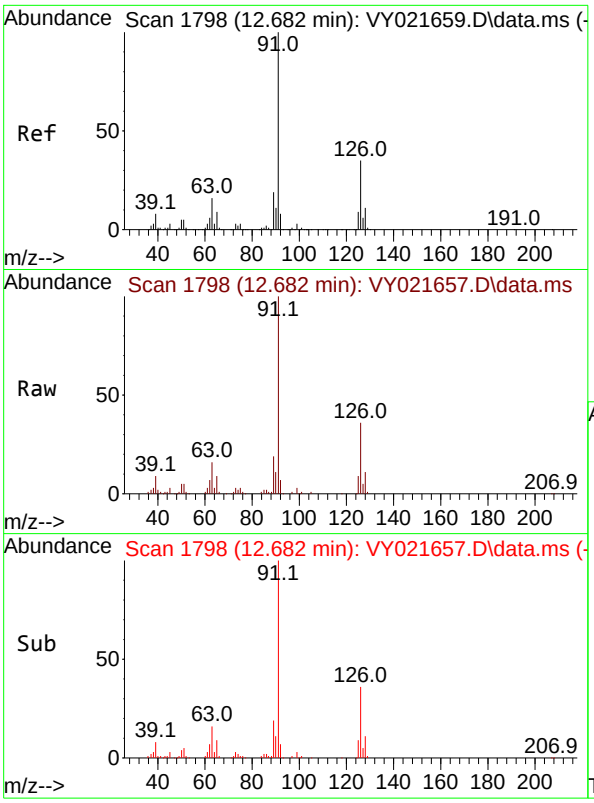


#78
n-propylbenzene
Concen: 9.983 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 135498

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9

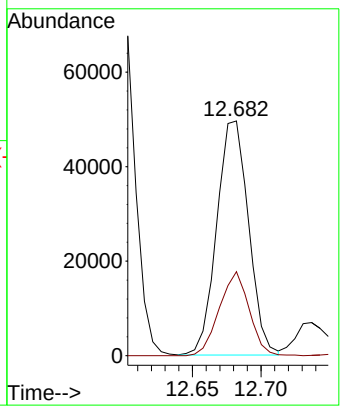




#79
2-Chlorotoluene
Concen: 10.158 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 8007

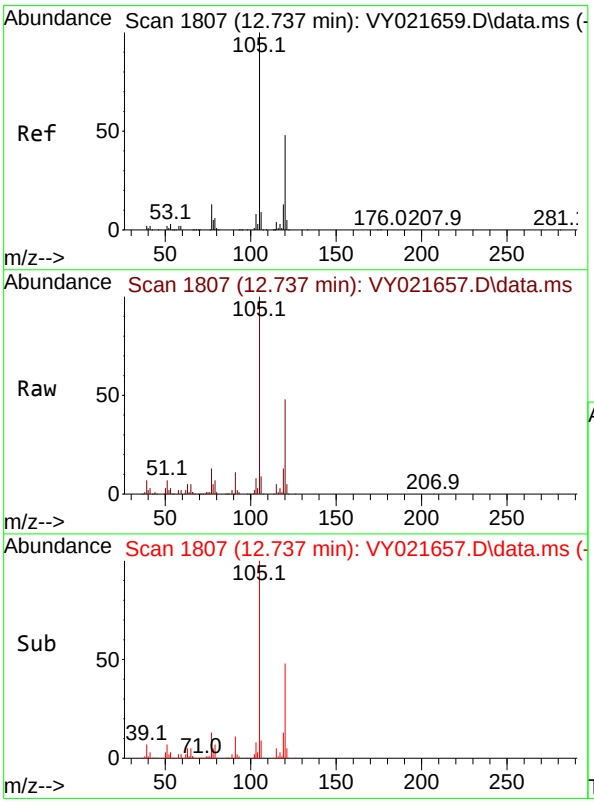
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

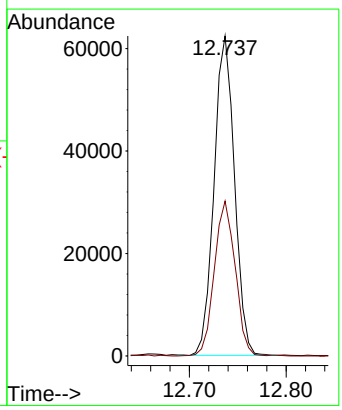
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

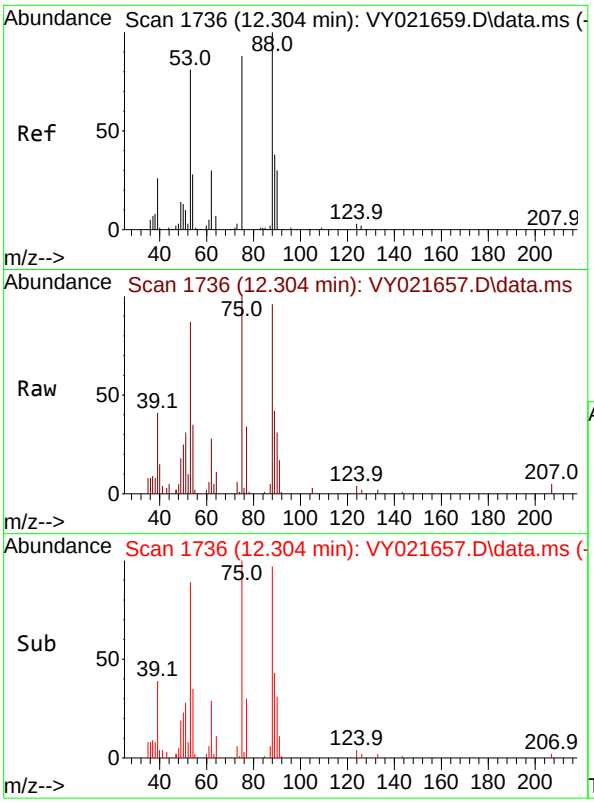


#80
1,3,5-Trimethylbenzene
Concen: 9.888 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 91235

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.5	73.5

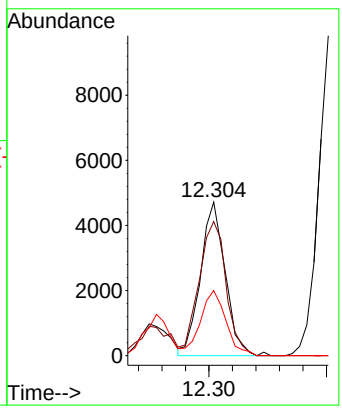




#81
trans-1,4-Dichloro-2-butene
Concen: 10.550 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 689

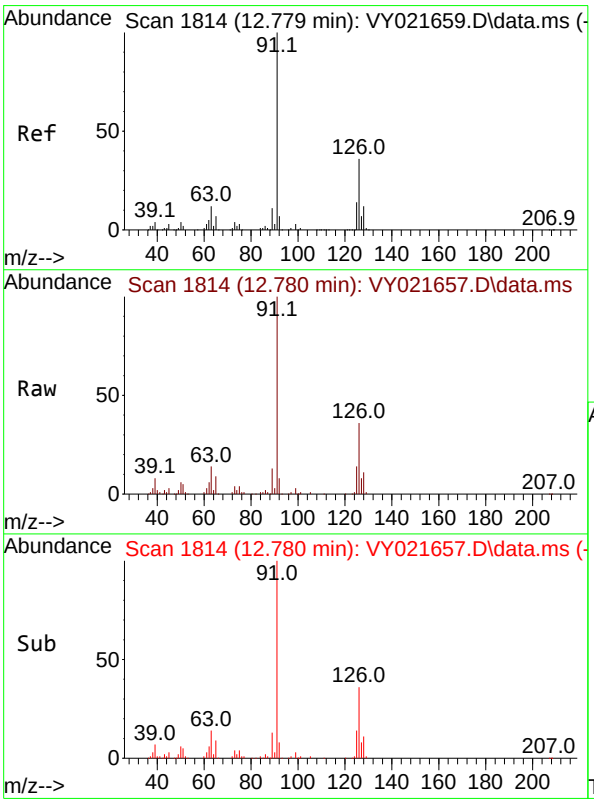
Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.1	114.1
89	44.2	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

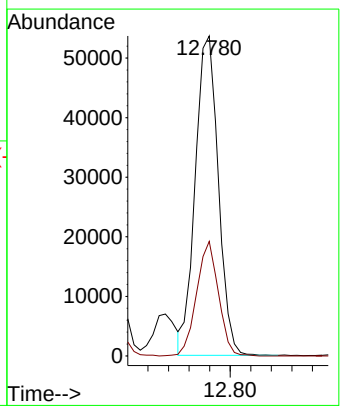
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

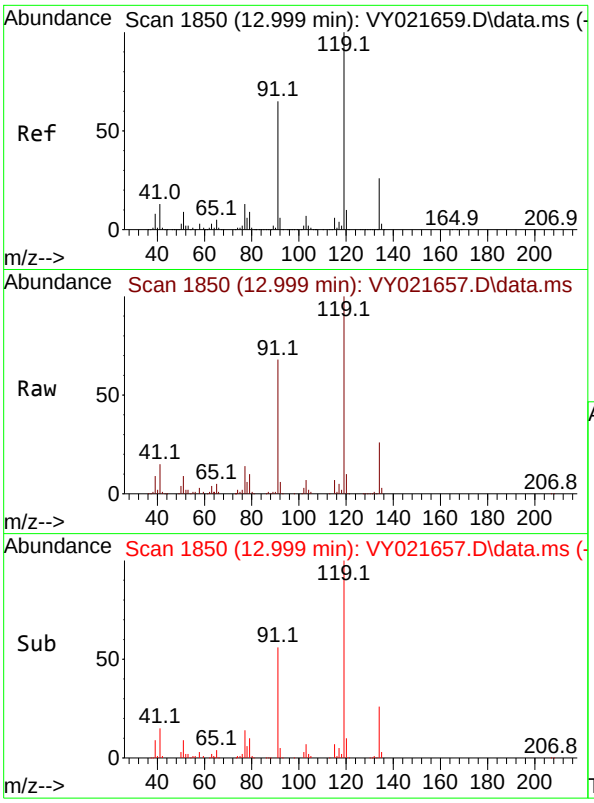


#82
4-Chlorotoluene
Concen: 10.157 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 83484

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

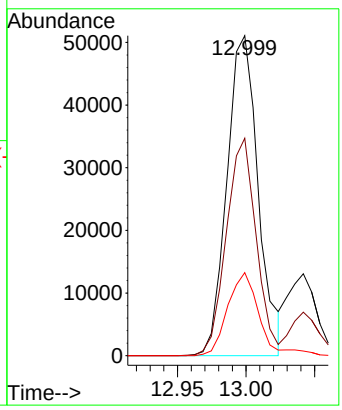




#83
tert-Butylbenzene
Concen: 9.892 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:119 Resp: 8129

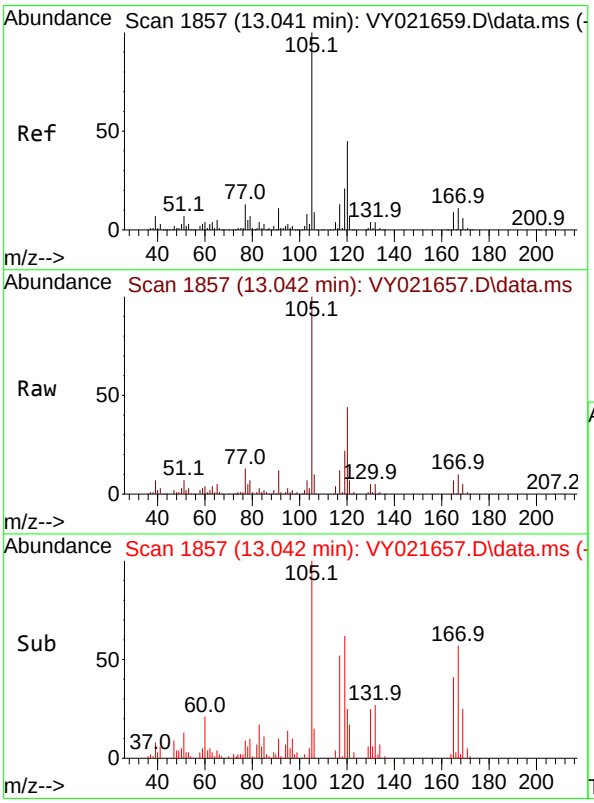
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

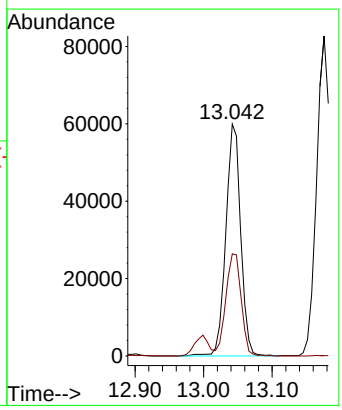
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

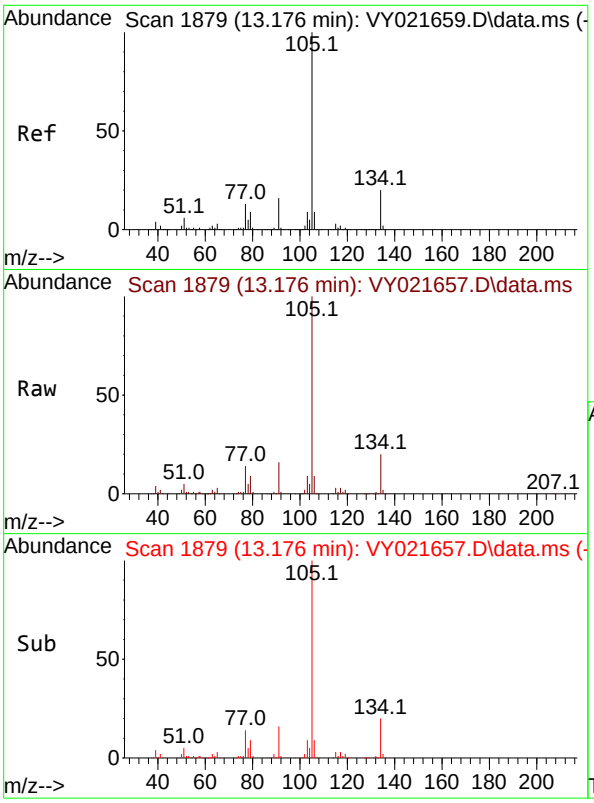


#84
1,2,4-Trimethylbenzene
Concen: 9.884 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 90142

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1

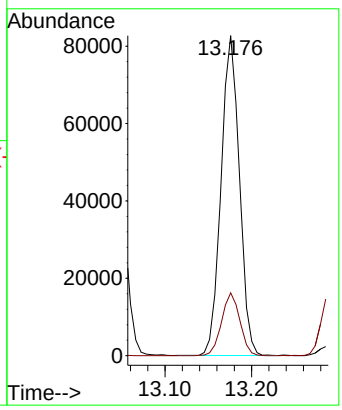




#85
sec-Butylbenzene
Concen: 10.122 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 12157

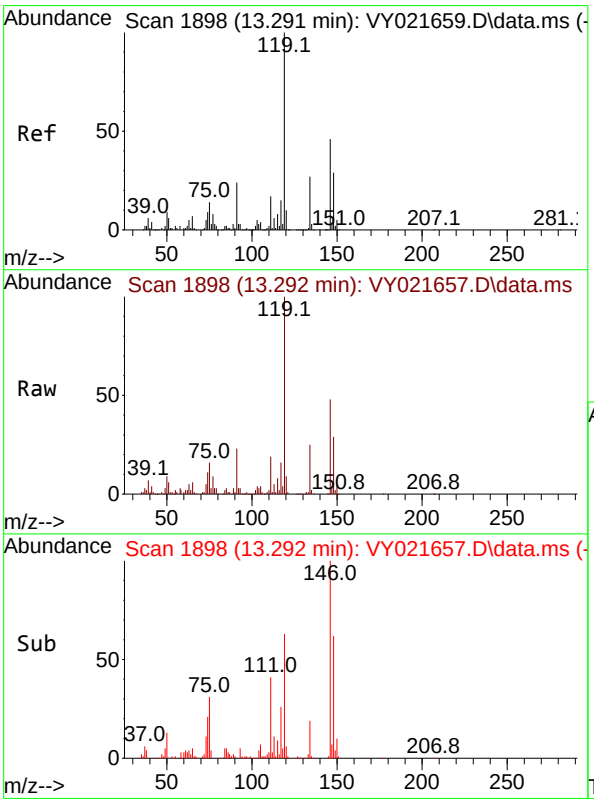
Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

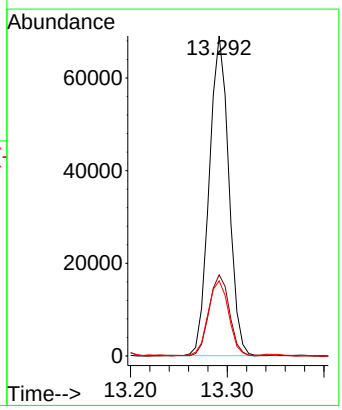
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

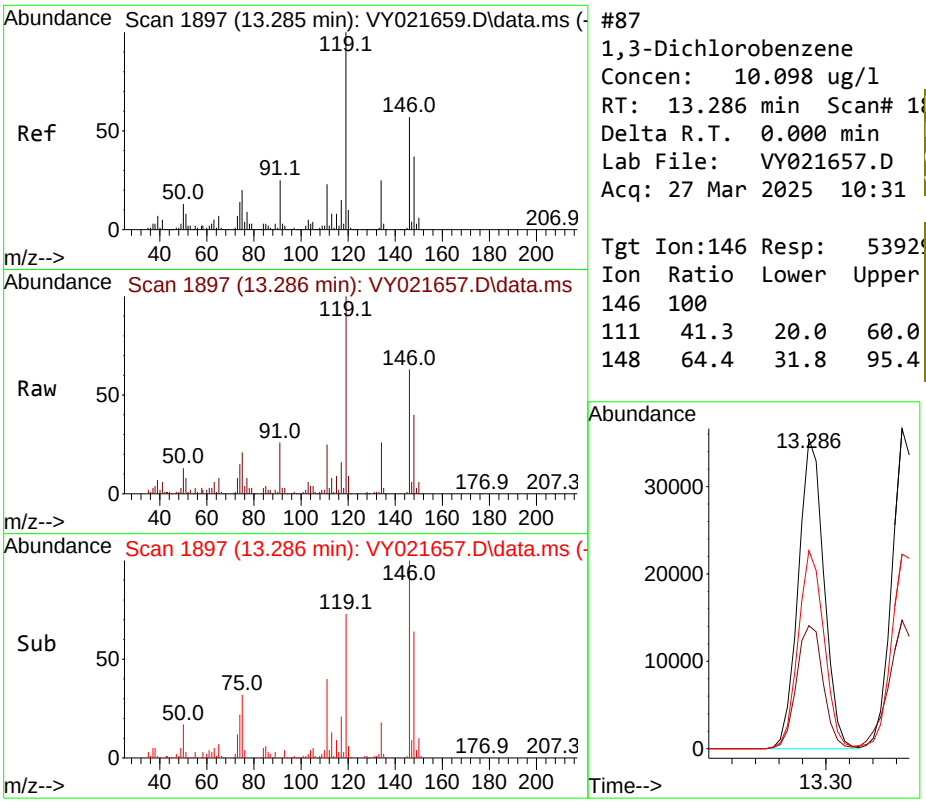


#86
p-Isopropyltoluene
Concen: 9.781 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:119 Resp: 97092

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	24.6	12.0	36.0





#87
1,3-Dichlorobenzene
Concen: 10.098 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

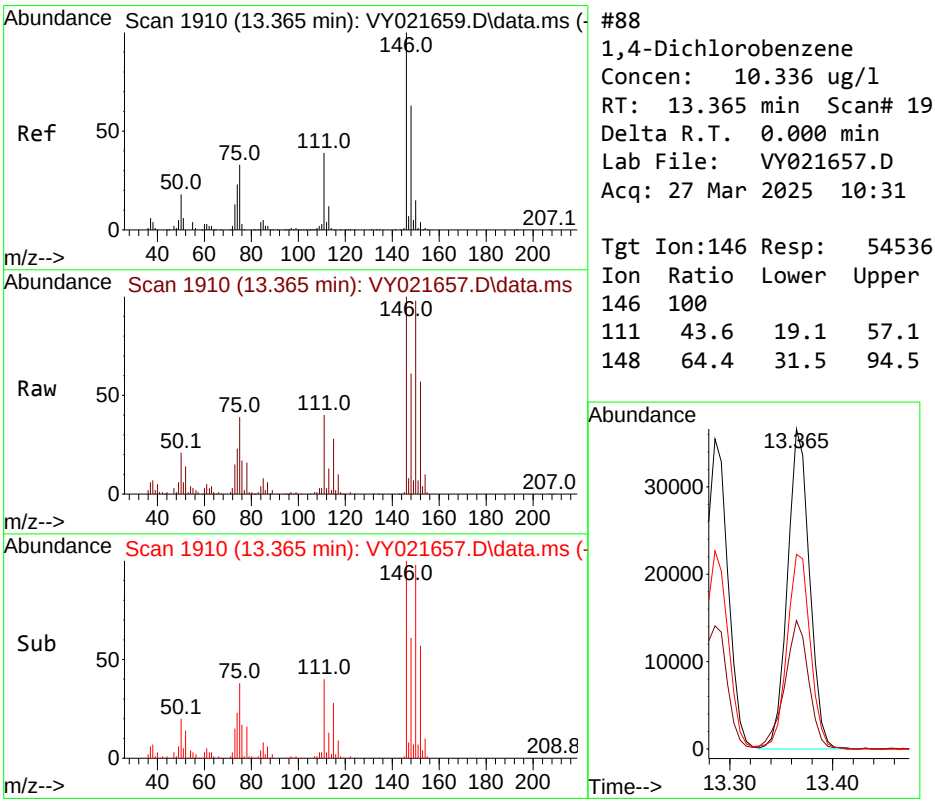
Tgt Ion:146 Resp: 5392

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	64.4	31.8	95.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

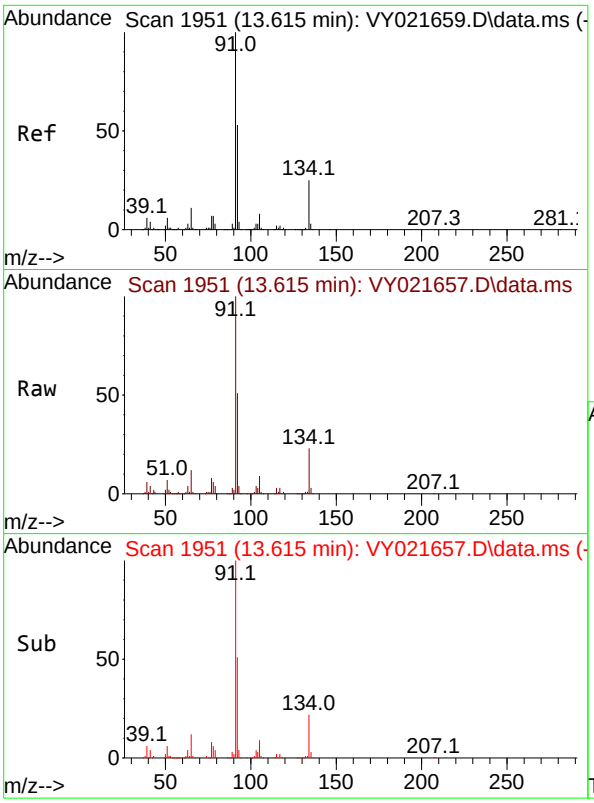
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#88
1,4-Dichlorobenzene
Concen: 10.336 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:146 Resp: 54536

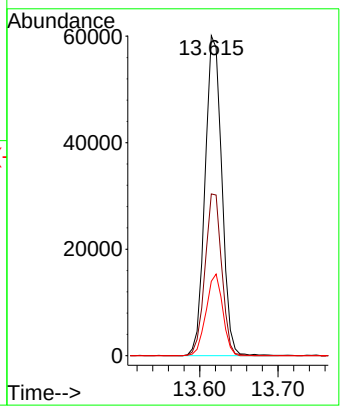
Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.1	57.1
148	64.4	31.5	94.5



#89
n-Butylbenzene
Concen: 9.712 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 8916

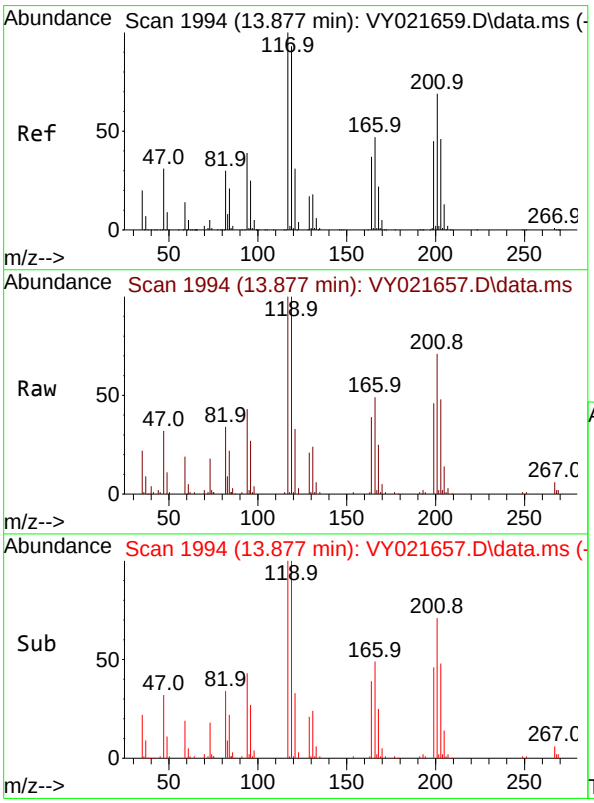
Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.4	79.2
134	25.4	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

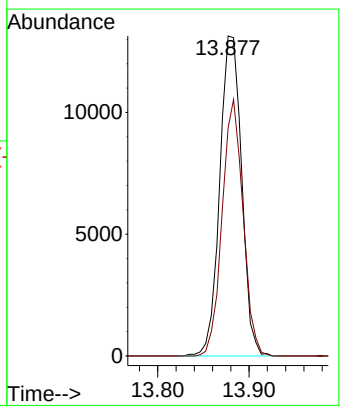
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

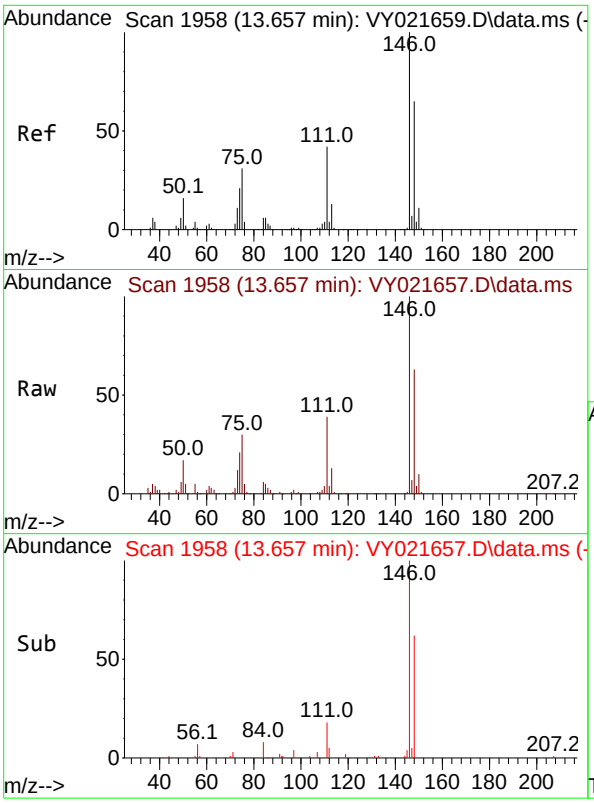


#90
Hexachloroethane
Concen: 10.059 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 21881

Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.4	112.1

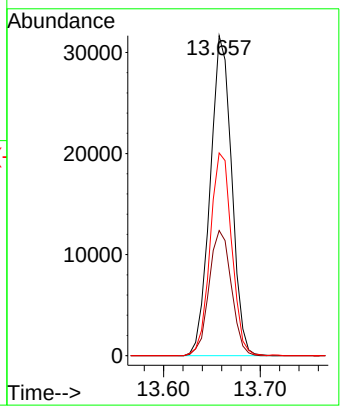




#91
1,2-Dichlorobenzene
Concen: 10.506 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:146 Resp: 4884

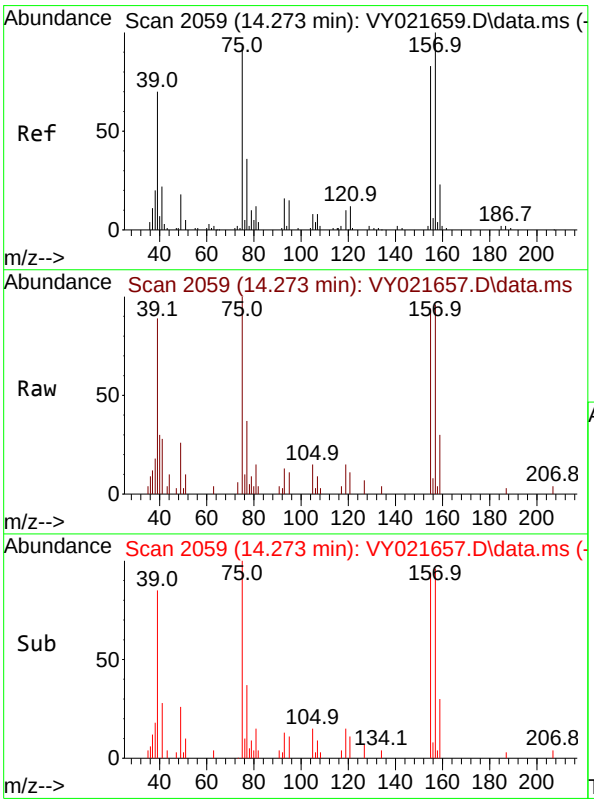
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	63.8	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

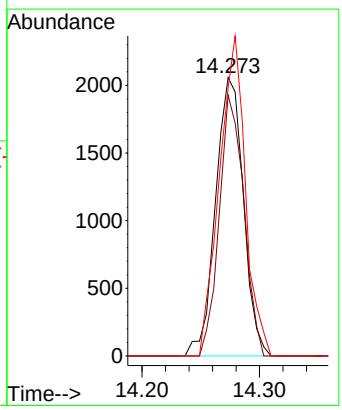
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

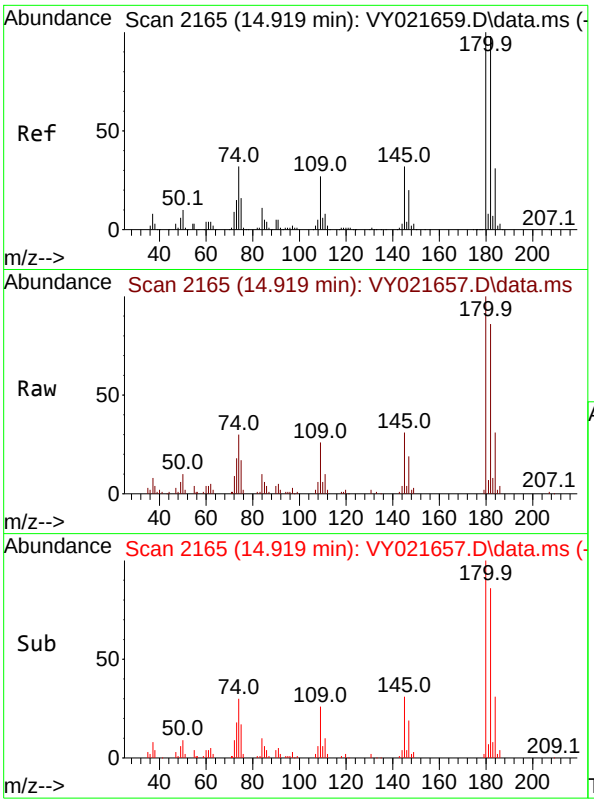


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.766 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3387

Ion	Ratio	Lower	Upper
75	100		
155	82.8	43.0	128.8
157	107.6	54.0	162.0

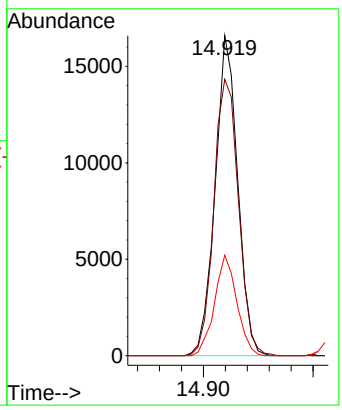




#93
1,2,4-Trichlorobenzene
Concen: 9.419 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:180 Resp: 2374

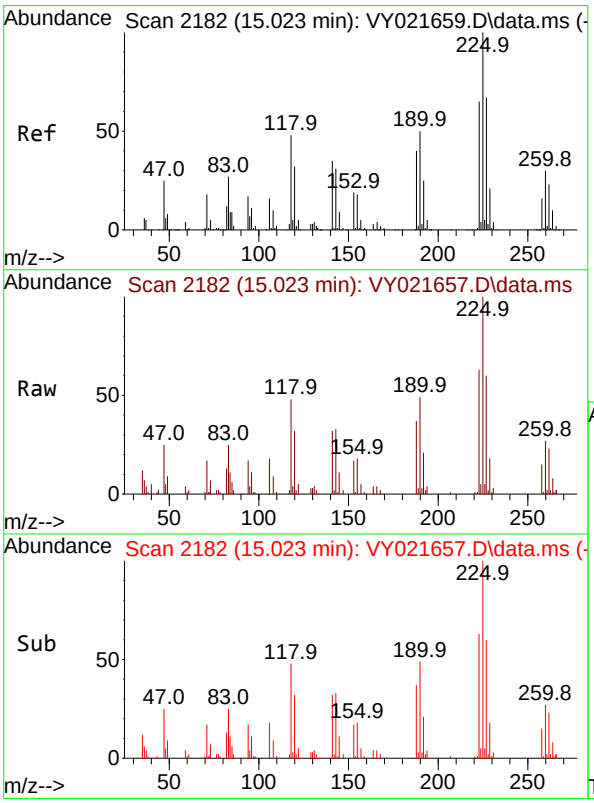
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	31.1	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

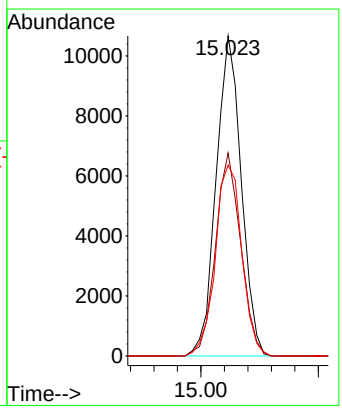
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

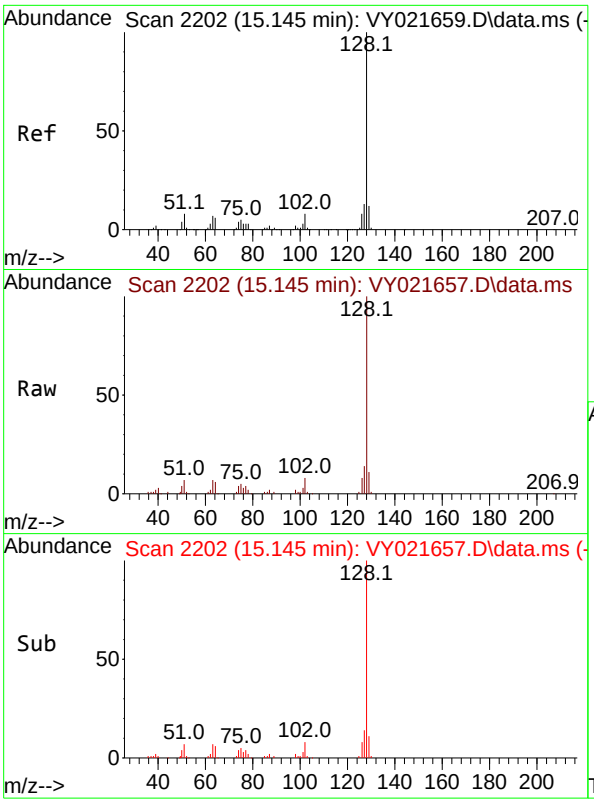


#94
Hexachlorobutadiene
Concen: 10.063 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:225 Resp: 15844

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.0	32.4	97.0

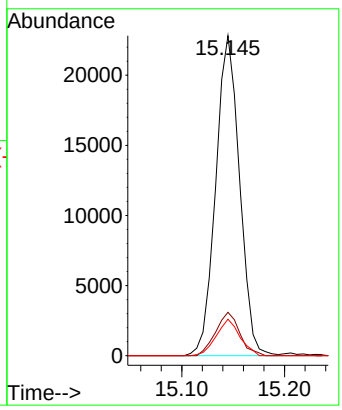




#95
Naphthalene
Concen: 8.785 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:128 Resp: 3671

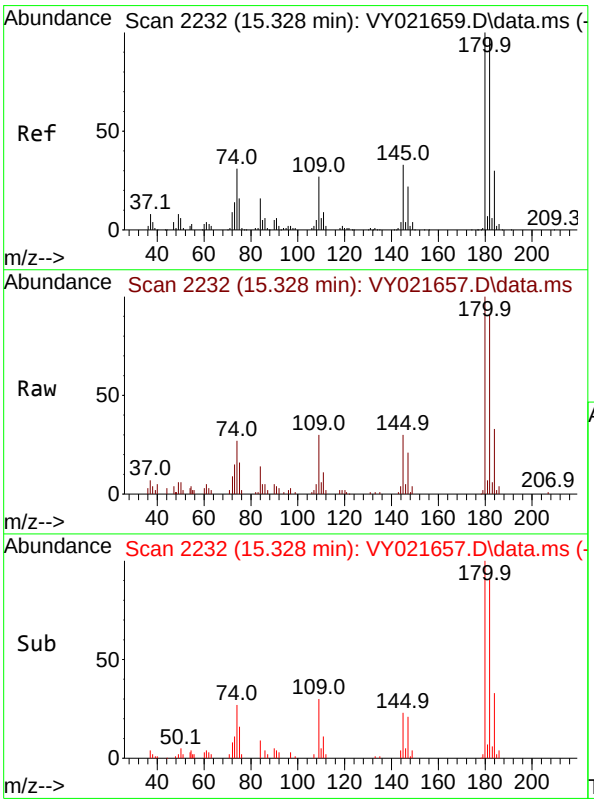
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.3	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

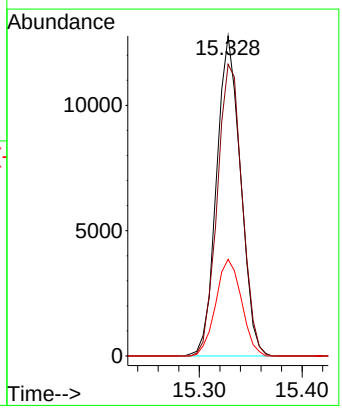
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.633 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:180 Resp: 20711

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	32.4	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.080%#		
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.820%#		
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.520%#		
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l		99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l	#	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l		95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l		98
46) Dibromomethane	9.231	93	28698	19.067	ug/l		97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l		99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l		94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l		98
52) Toluene	10.170	92	133126	19.340	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l		98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l		97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l		98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l		99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l		100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l		97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l		97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l		98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l		98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l		99
69) o-Xylene	11.957	106	87927	19.462	ug/l		98
70) Styrene	11.969	104	147490	19.580	ug/l		99
71) Bromoform	12.133	173	29726	19.706	ug/l	#	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l		100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	31855m	19.644	ug/l		
77) Bromobenzene	12.530	156	55776	19.119	ug/l		99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l		100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l		97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l		100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l		99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l		100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l		98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l		99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l		100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l		99
95) Naphthalene	15.145	128	82325	18.305	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

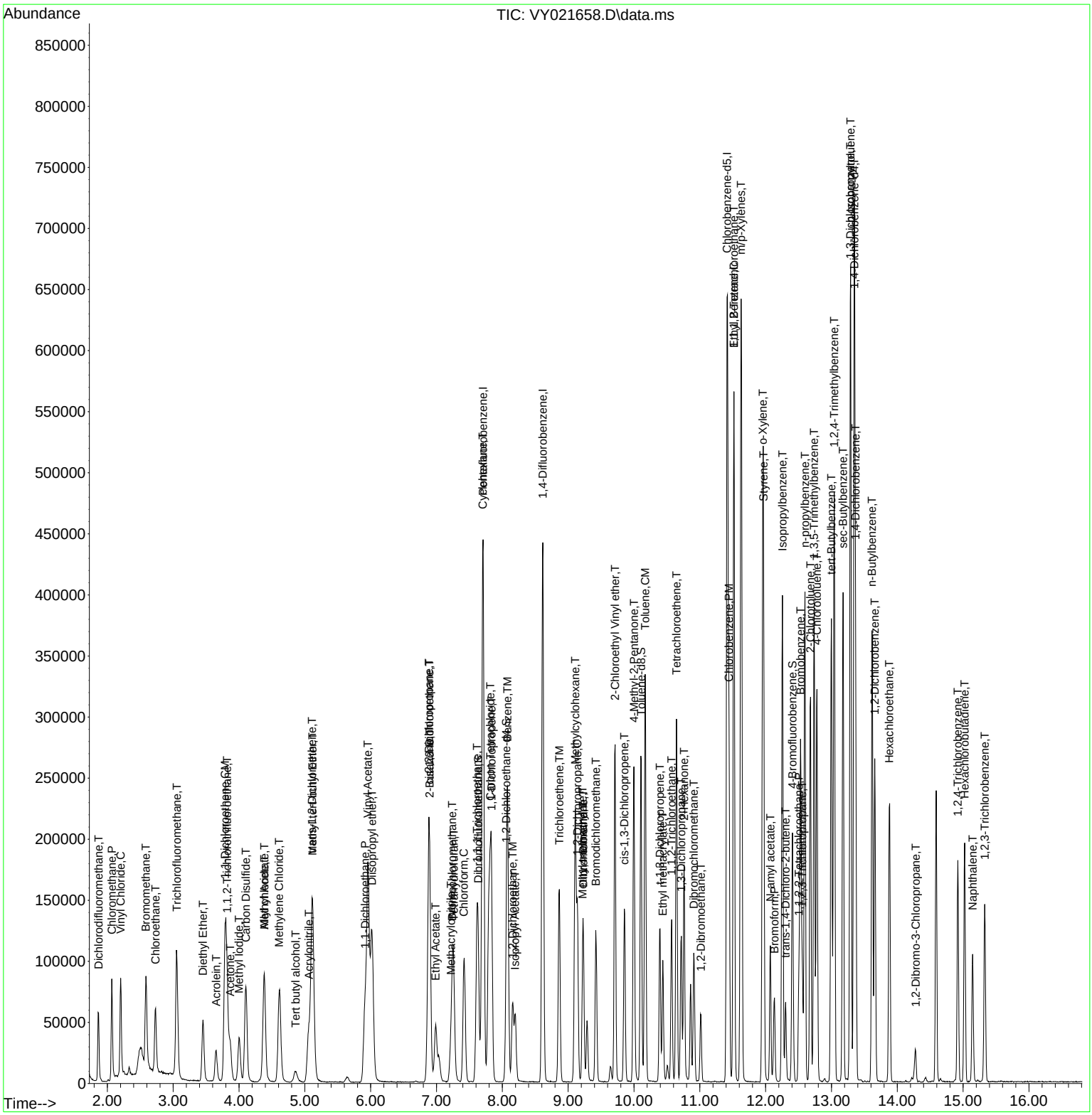
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Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

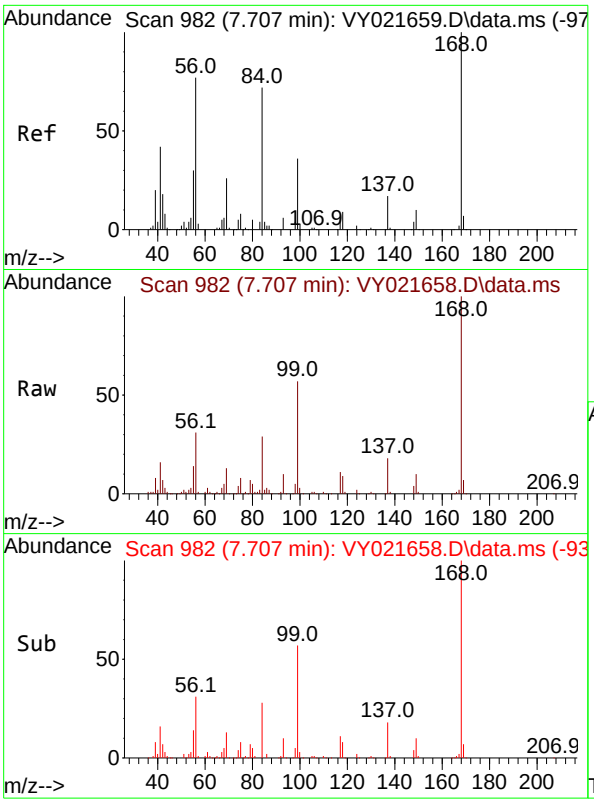
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

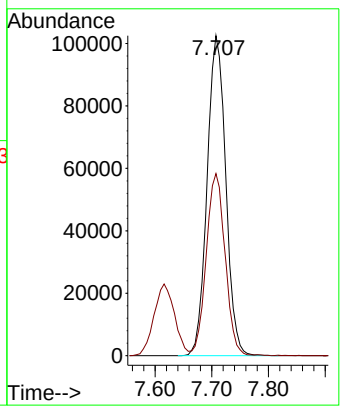




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:168 Resp: 23406

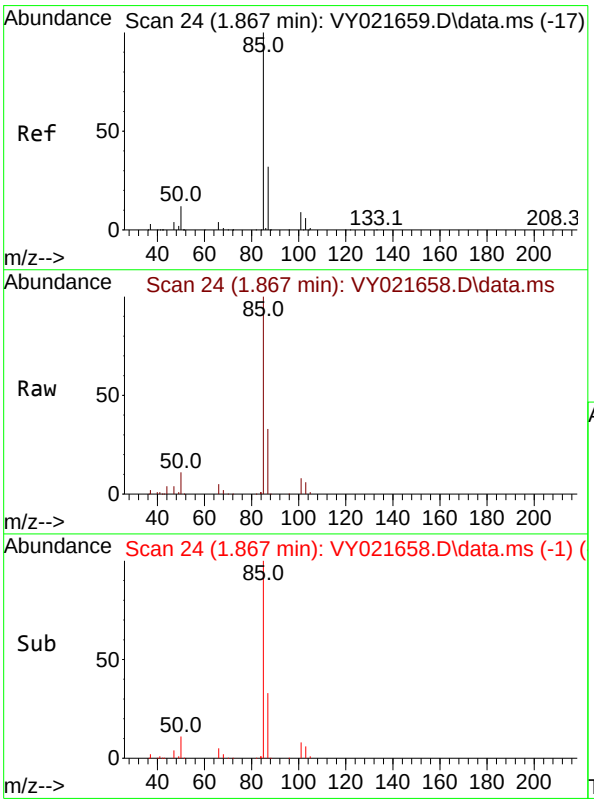
Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

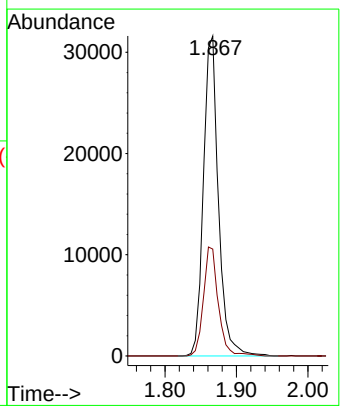
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

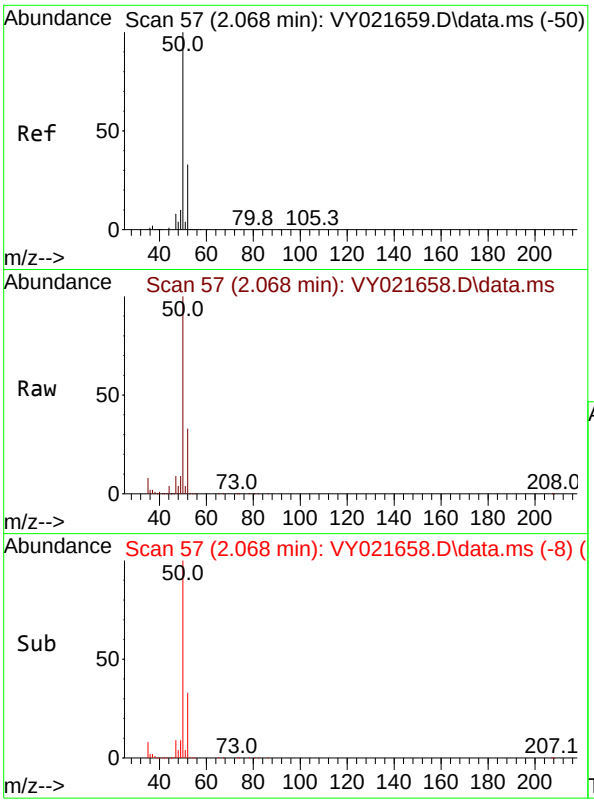


#2
Dichlorodifluoromethane
Concen: 19.011 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 85 Resp: 46121

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.2	48.6

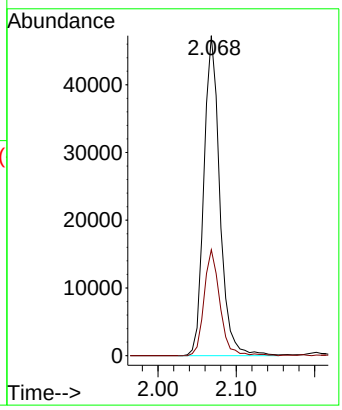




#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 50 Resp: 6677

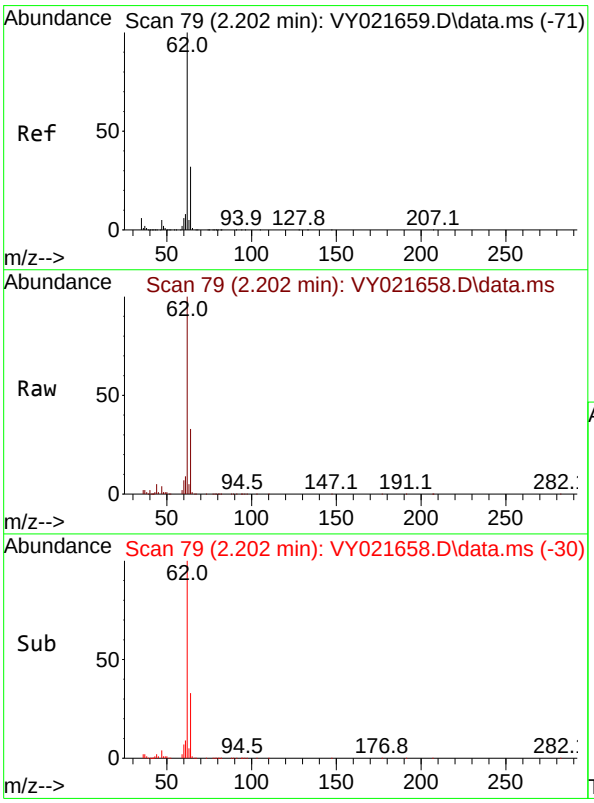
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

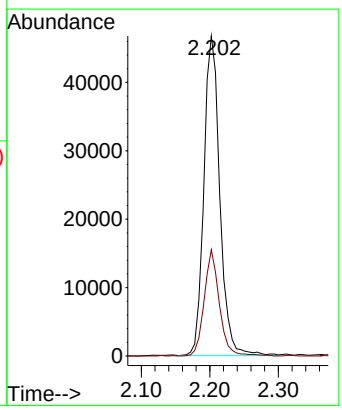
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

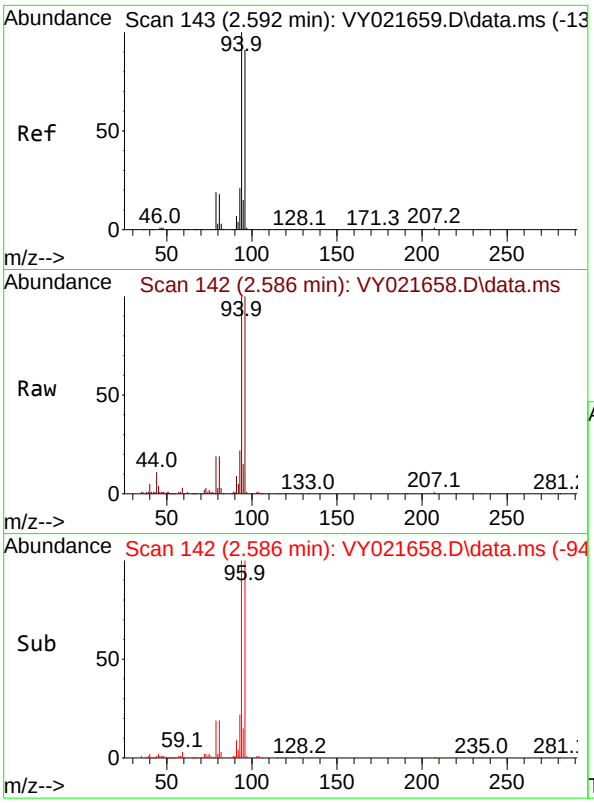


#4
Vinyl Chloride
Concen: 19.664 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 75860

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.5	38.3





#5
Bromomethane
Concen: 19.093 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

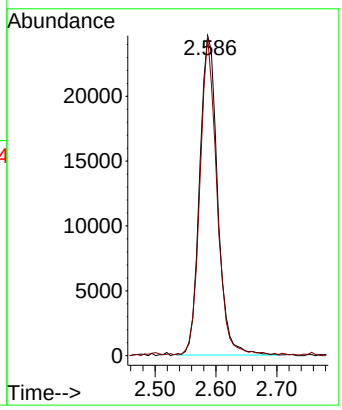
Tgt Ion: 94 Resp: 5023

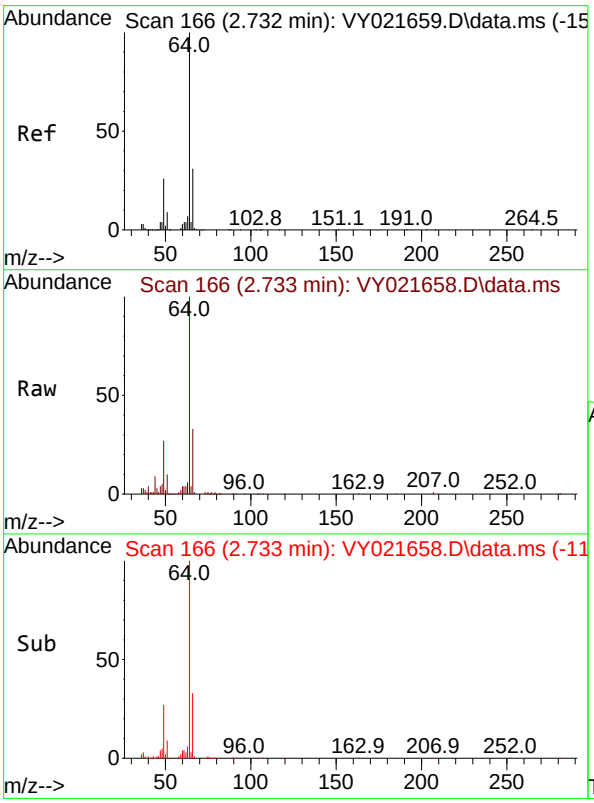
Ion	Ratio	Lower	Upper
94	100		
96	99.7	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

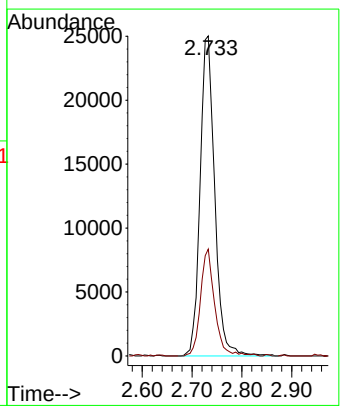


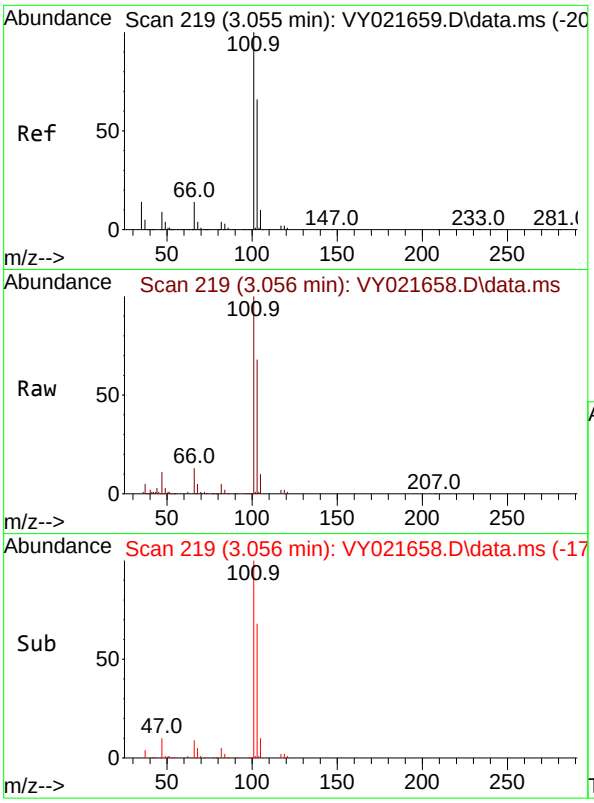


#6
Chloroethane
Concen: 20.184 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 64 Resp: 50953

Ion	Ratio	Lower	Upper
64	100		
66	33.4	24.9	37.3

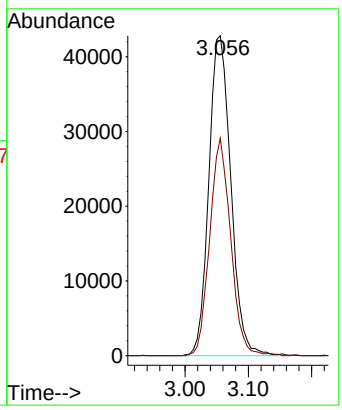




#7
Trichlorofluoromethane
Concen: 20.913 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:101 Resp: 10334

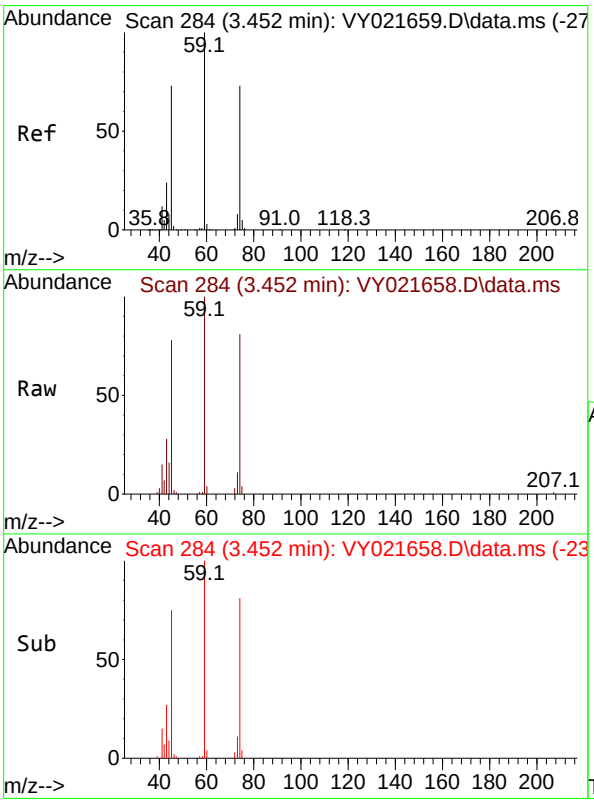
Ion	Ratio	Lower	Upper
101	100		
103	68.0	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

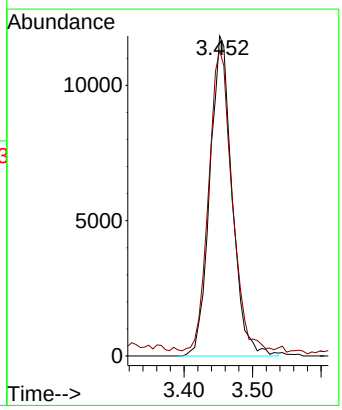
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

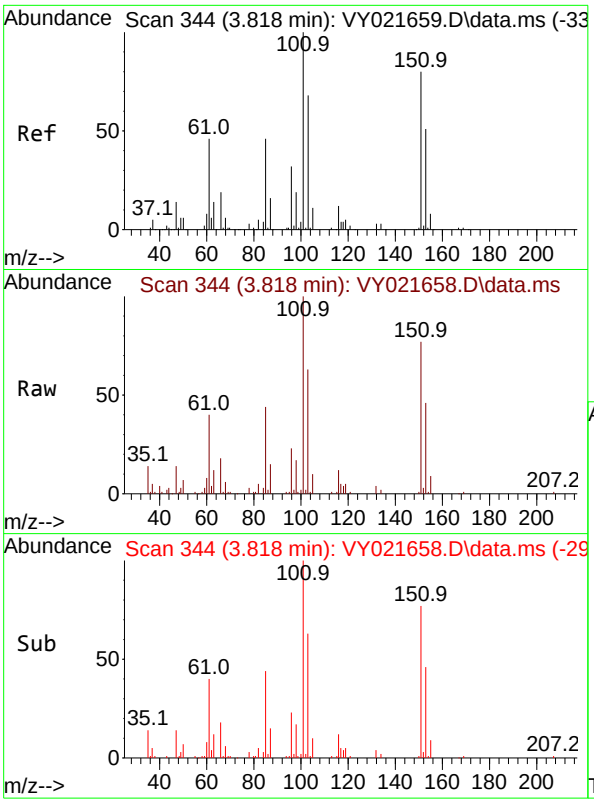


#8
Diethyl Ether
Concen: 19.788 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 74 Resp: 26594

Ion	Ratio	Lower	Upper
74	100		
45	98.3	48.6	145.8

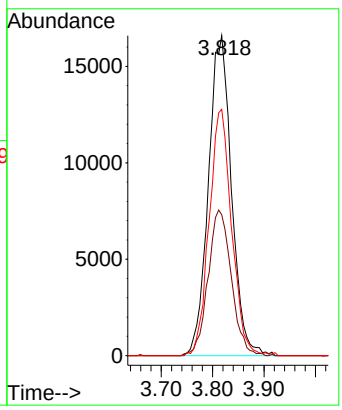




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.871 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:101 Resp: 5179

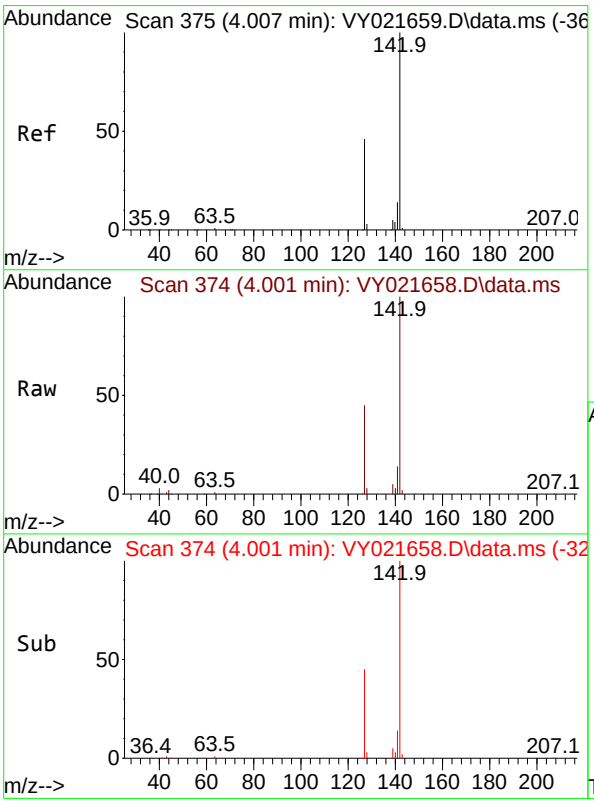
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.3	54.5
151	75.2	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

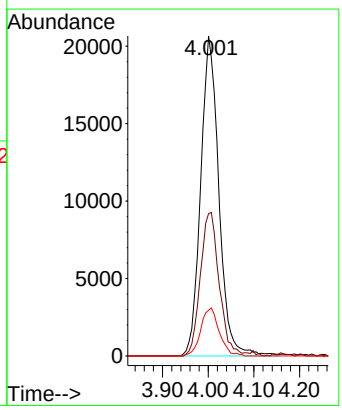
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

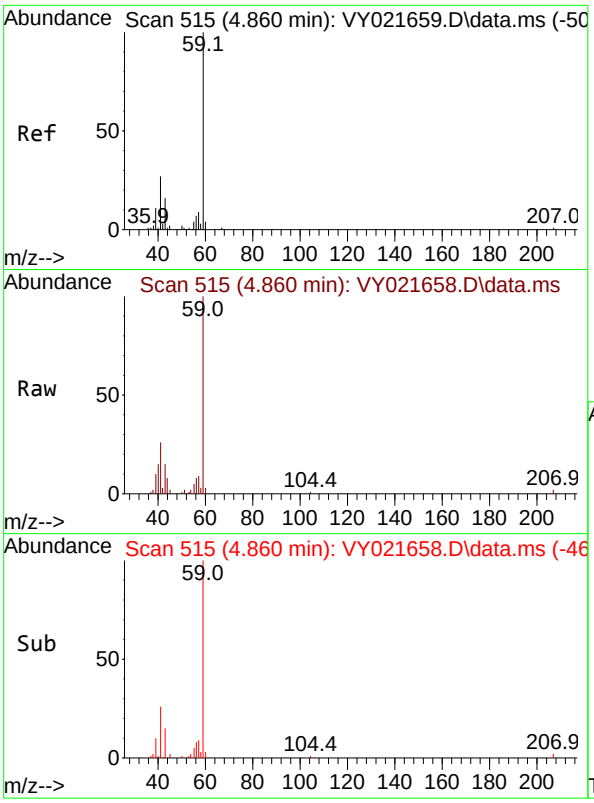


#10
Methyl Iodide
Concen: 19.974 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:142 Resp: 57115

Ion	Ratio	Lower	Upper
142	100		
127	46.4	38.7	58.1
141	15.2	11.5	17.3





#11
Tert butyl alcohol
Concen: 97.834 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

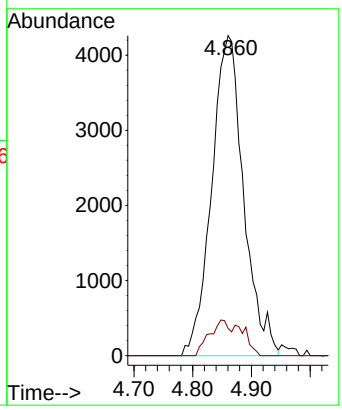
Tgt Ion: 59 Resp: 1611

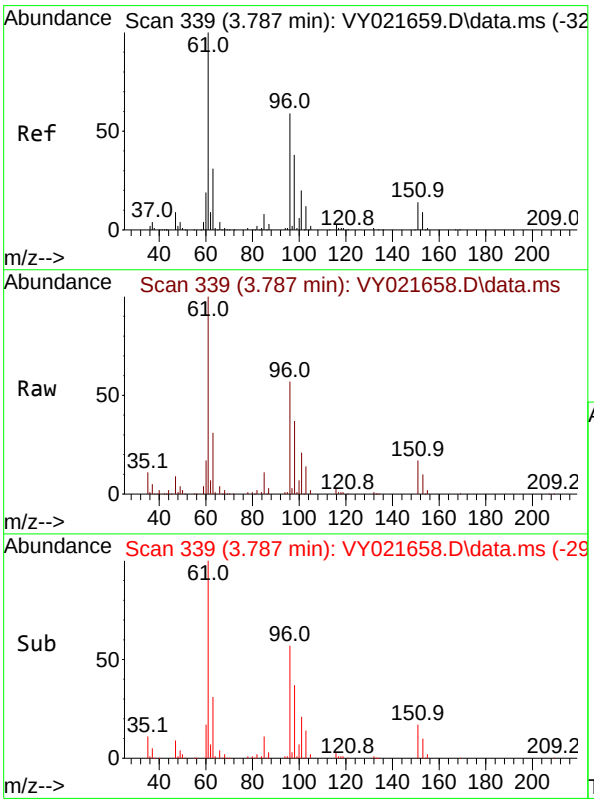
Ion	Ratio	Lower	Upper
59	100		
57	7.2	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

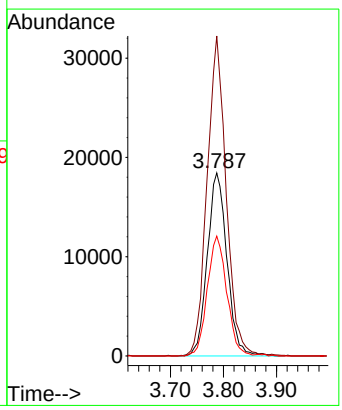


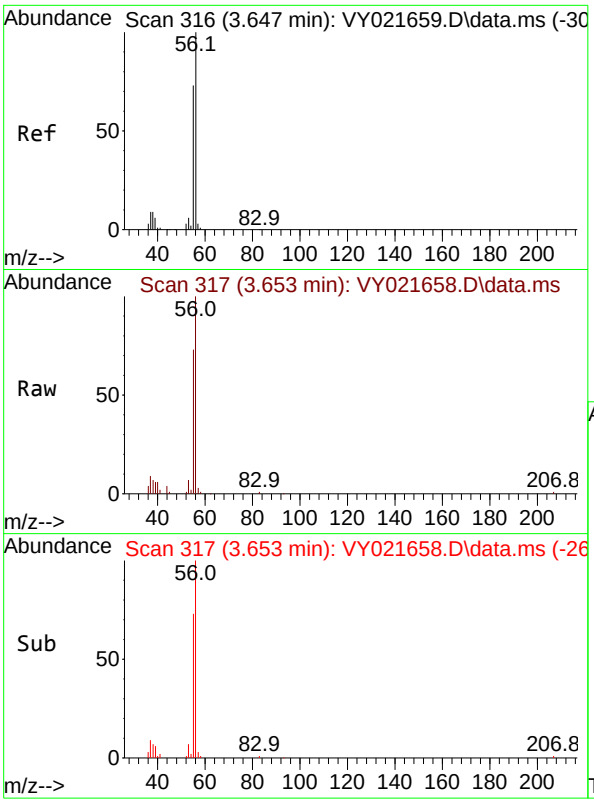


#12
1,1-Dichloroethene
Concen: 19.362 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 47534

Ion	Ratio	Lower	Upper
96	100		
61	174.8	136.6	204.8
98	65.5	52.3	78.5

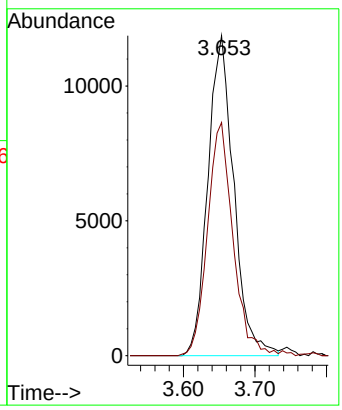




#13
Acrolein
Concen: 99.170 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 56 Resp: 2982

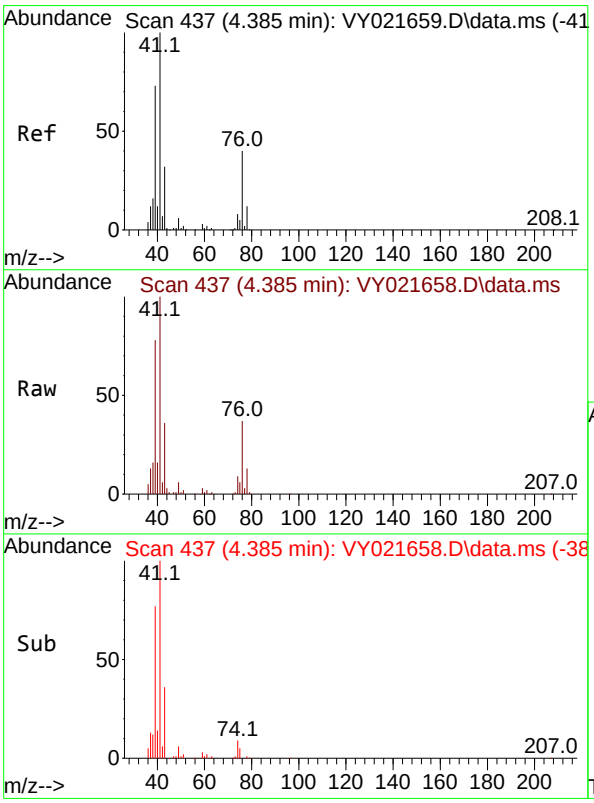
Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

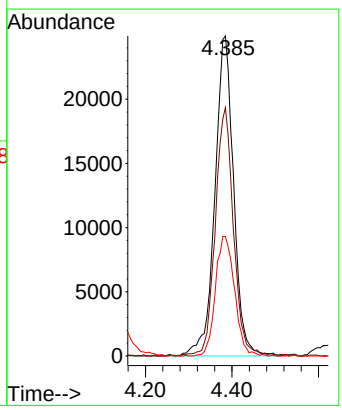
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

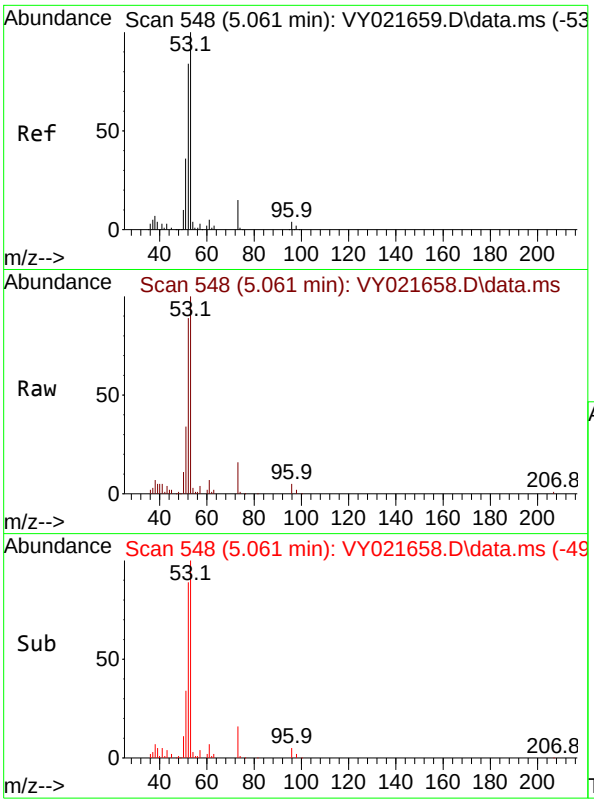


#14
Allyl chloride
Concen: 19.203 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 75169

Ion	Ratio	Lower	Upper
41	100		
39	75.3	58.6	88.0
76	38.1	30.3	45.5

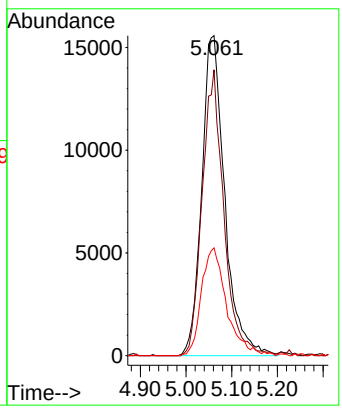




#15
Acrylonitrile
Concen: 97.084 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 53 Resp: 5447

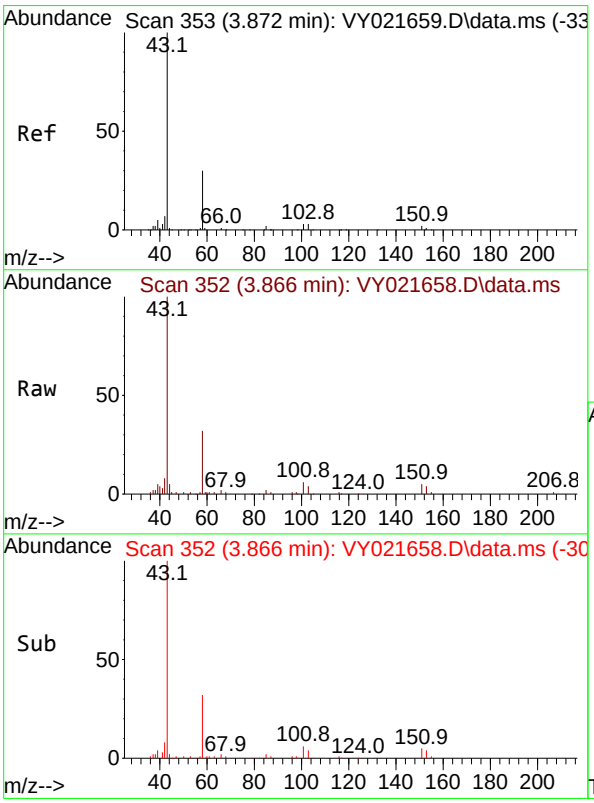
Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.9	97.3
51	36.5	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

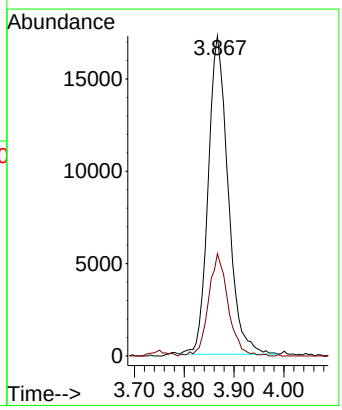
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

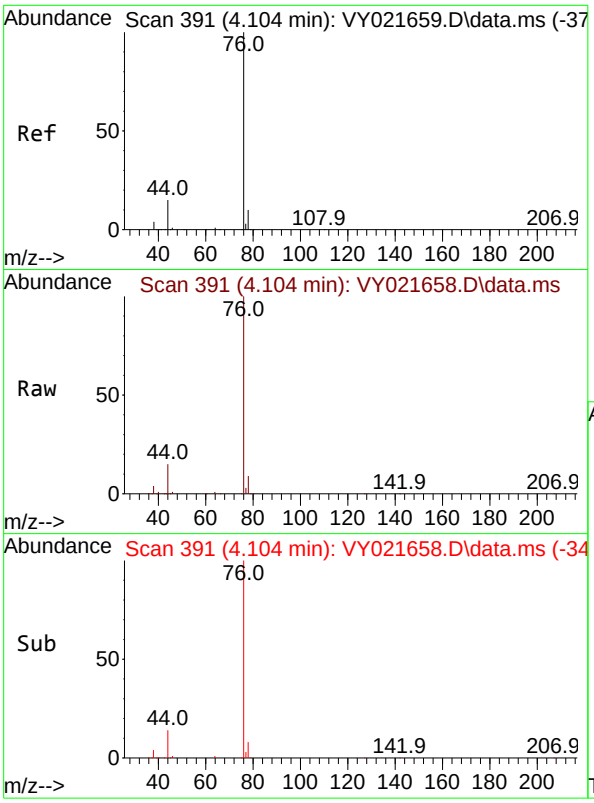


#16
Acetone
Concen: 92.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 47787

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4

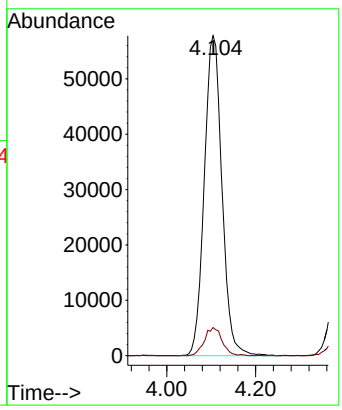




#17
Carbon Disulfide
Concen: 19.782 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 76 Resp: 15996

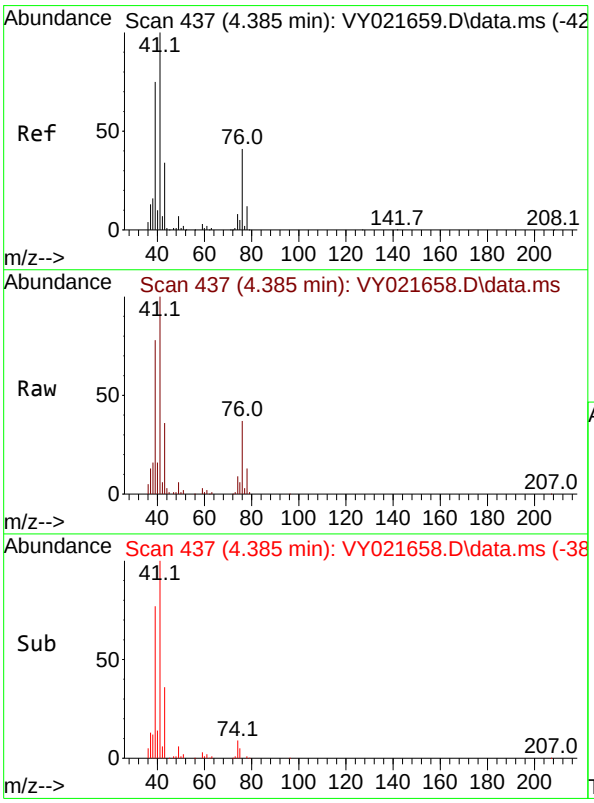
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

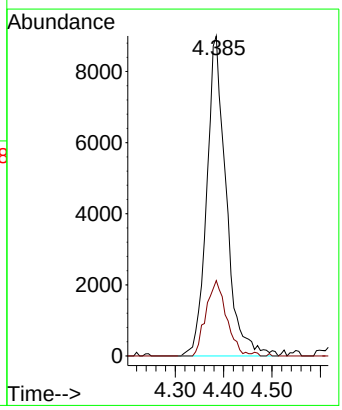
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

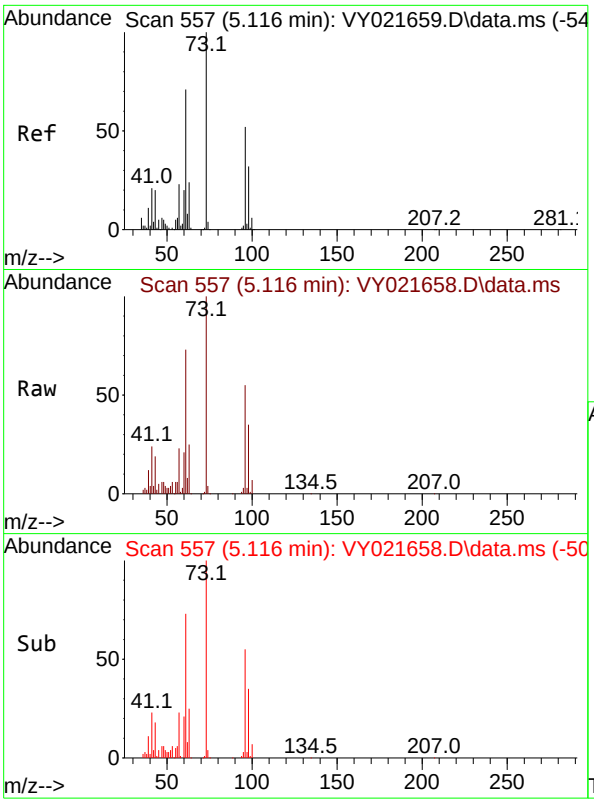


#18
Methyl Acetate
Concen: 19.560 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 25160

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7

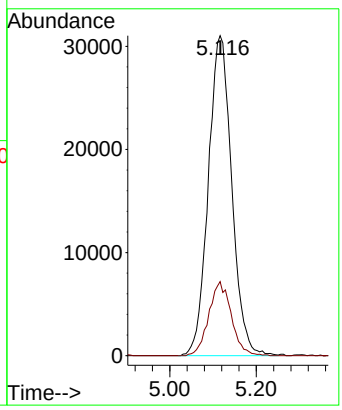




#19
Methyl tert-butyl Ether
Concen: 19.099 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 73 Resp: 11673

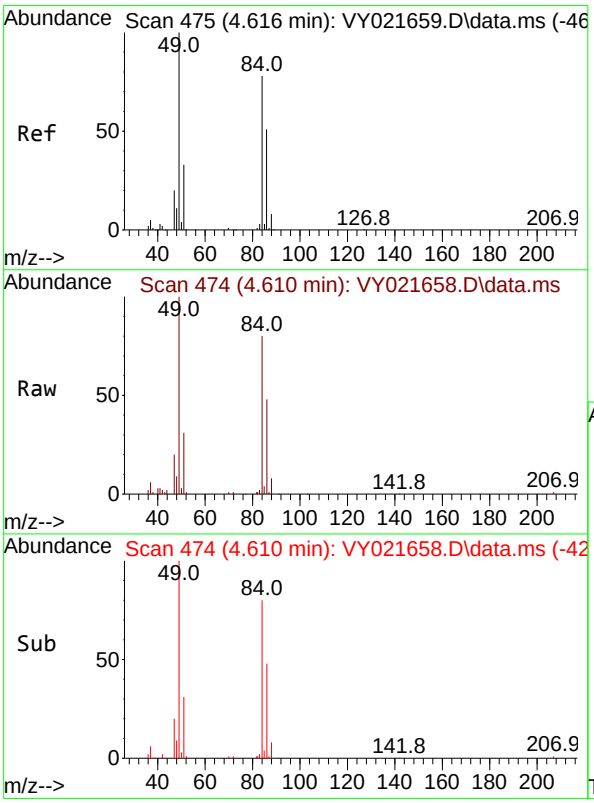
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

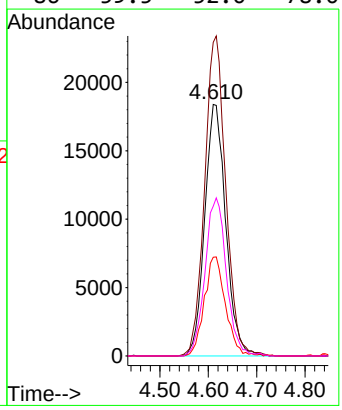
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

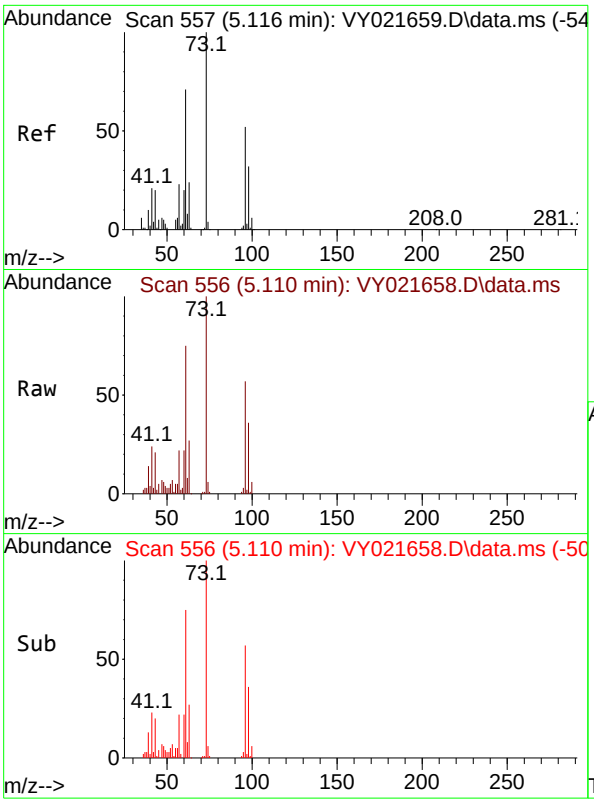


#20
Methylene Chloride
Concen: 19.525 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 84 Resp: 55574

Ion	Ratio	Lower	Upper
84	100		
49	124.6	102.8	154.2
51	39.2	33.5	50.3
86	59.5	52.0	78.0

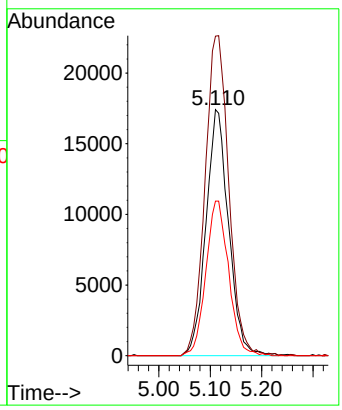




#21
trans-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 5318

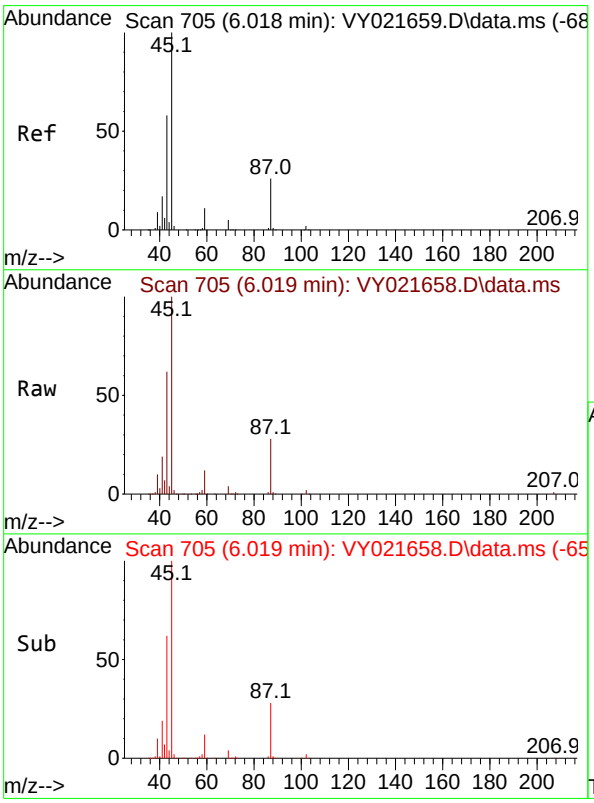
Ion	Ratio	Lower	Upper
96	100		
61	129.9	109.4	164.0
98	62.8	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

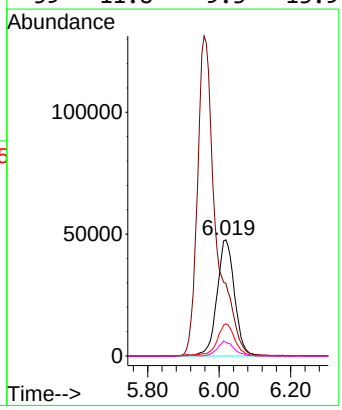
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

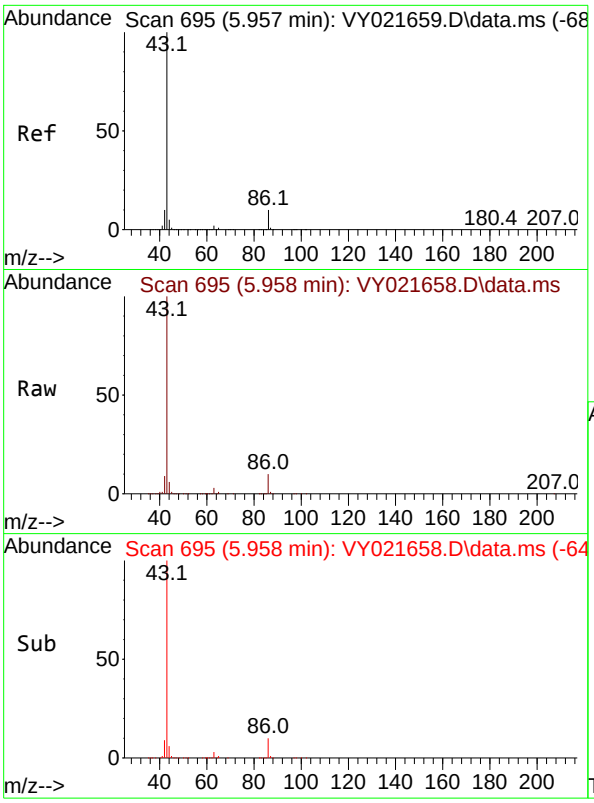


#22
Diisopropyl ether
Concen: 19.747 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 45 Resp: 162151

Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.6	69.8
87	27.7	20.7	31.1
59	11.8	9.3	13.9





#23
Vinyl Acetate
Concen: 97.433 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

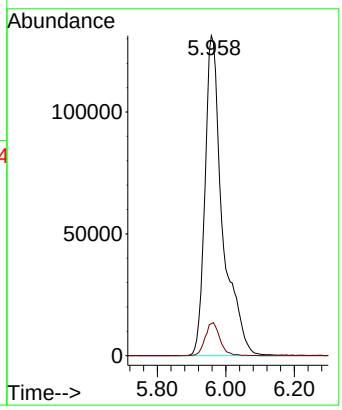
Tgt Ion: 43 Resp: 46803

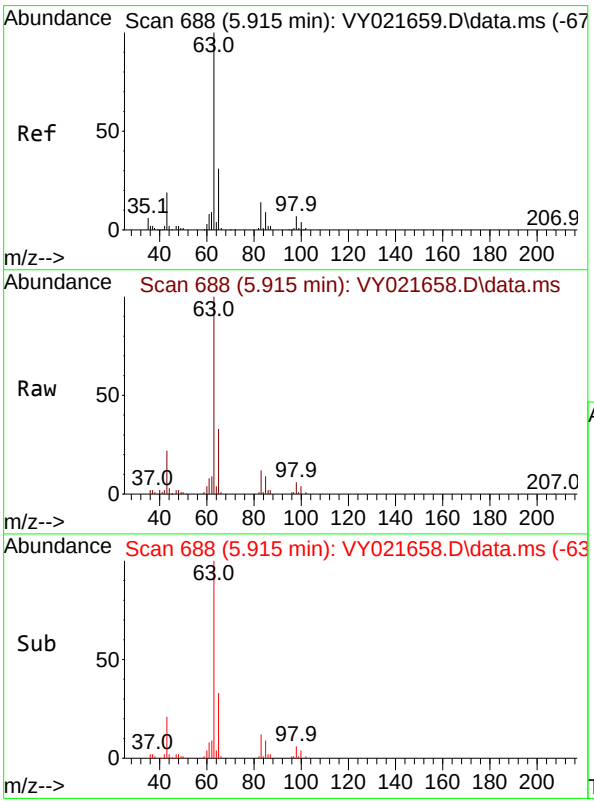
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

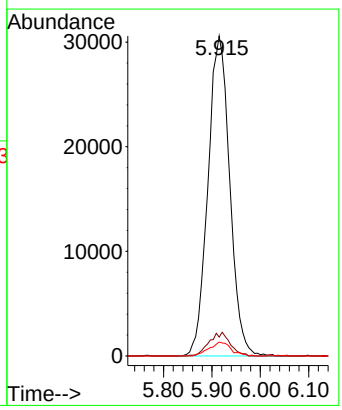


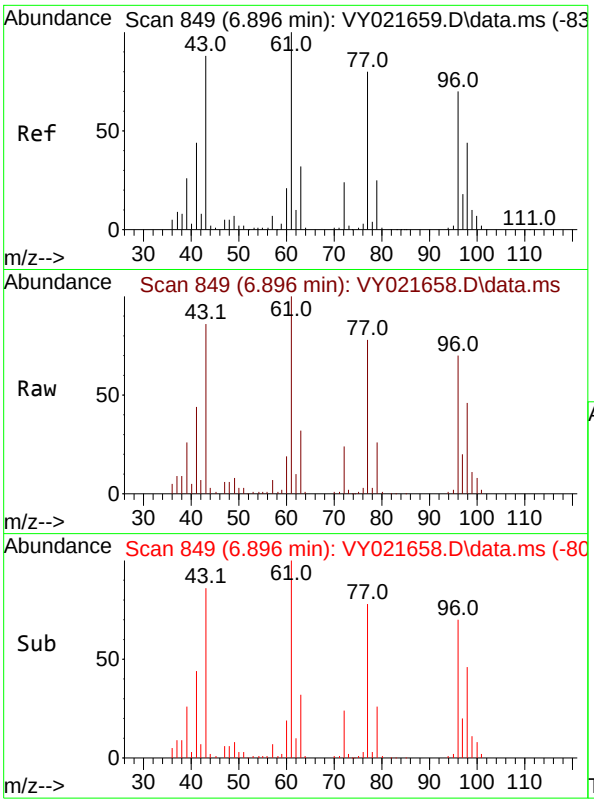


#24
1,1-Dichloroethane
Concen: 19.520 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 95841

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.5	10.5
100	4.4	2.2	6.6





#25
2-Butanone
Concen: 94.233 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

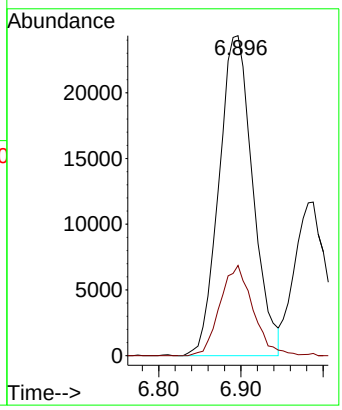
Tgt Ion: 43 Resp: 6985

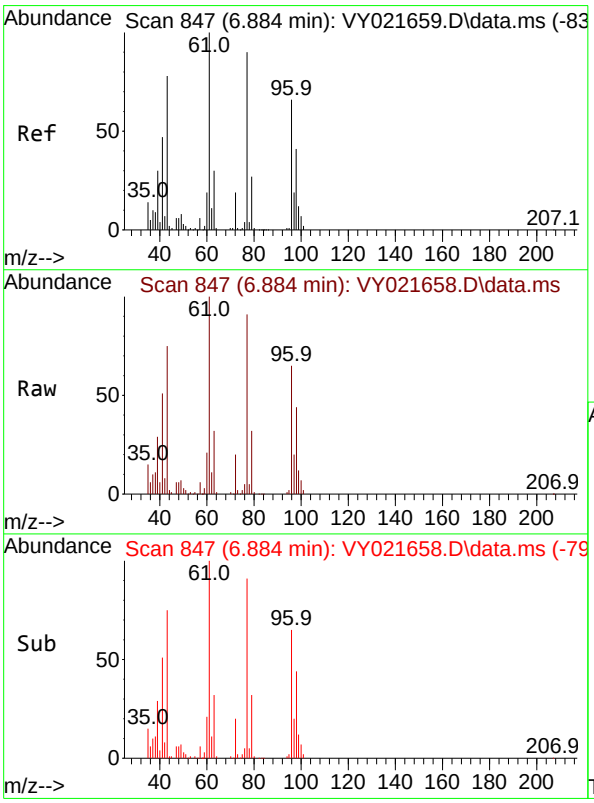
Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

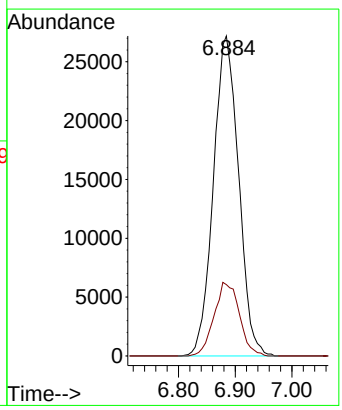


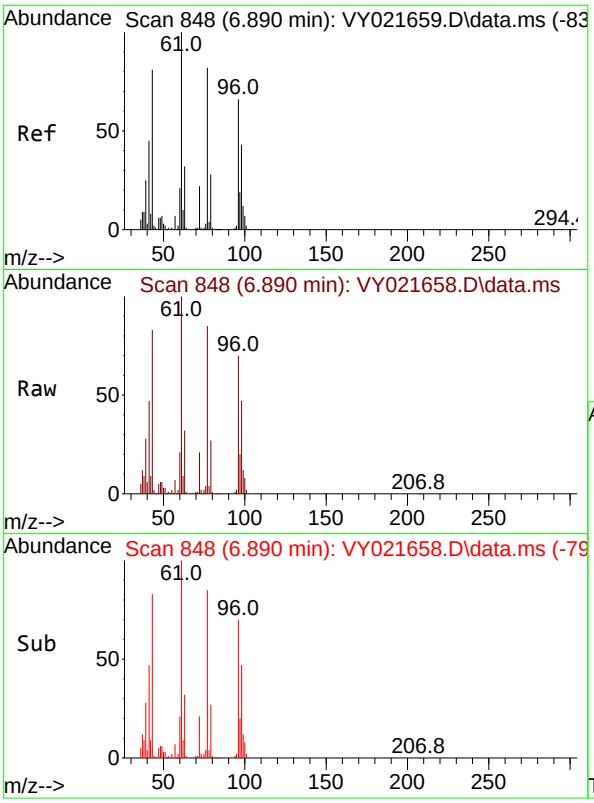


#26
2,2-Dichloropropane
Concen: 19.217 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 77 Resp: 83932

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.1	33.1

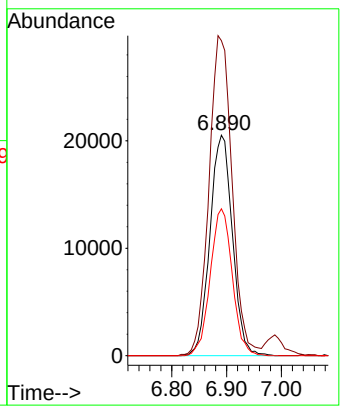




#27
cis-1,2-Dichloroethene
Concen: 19.266 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 5856

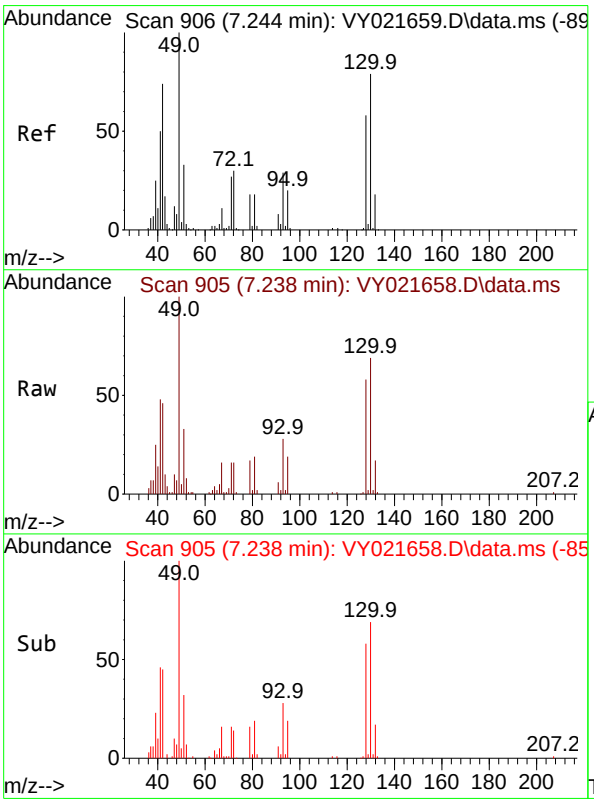
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	296.4
98	65.3	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

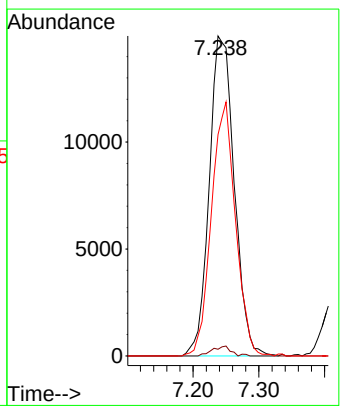
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

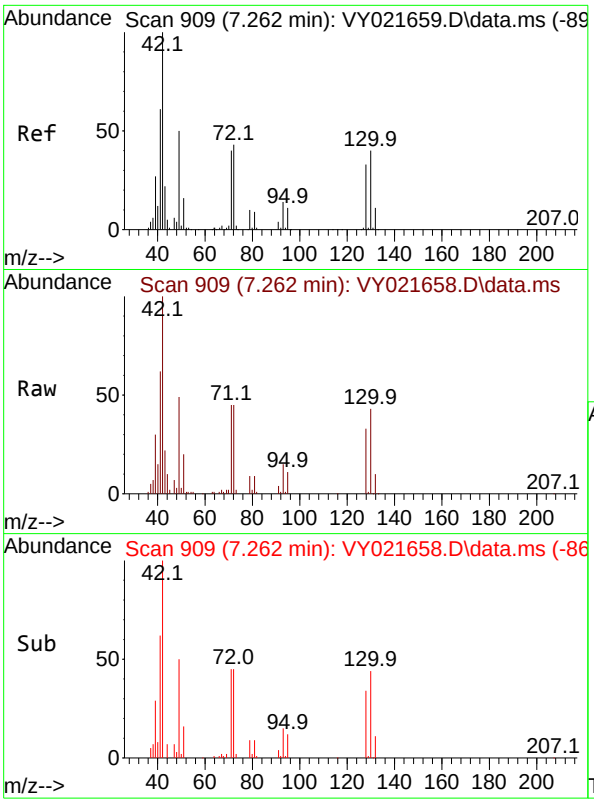


#28
Bromochloromethane
Concen: 19.149 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 49 Resp: 39653

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.4	60.1	90.1

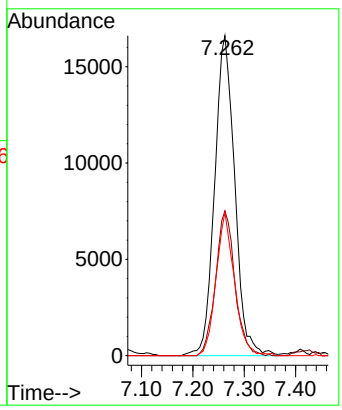




#29
Tetrahydrofuran
Concen: 94.626 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 42 Resp: 4514

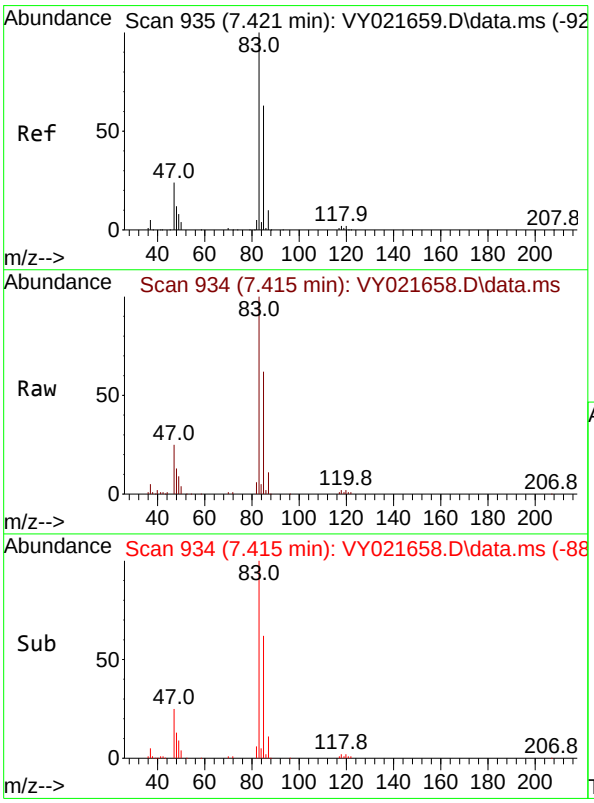
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	41.0	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

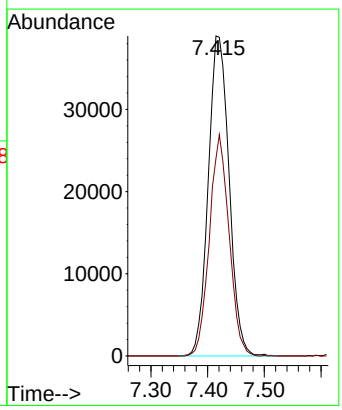
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

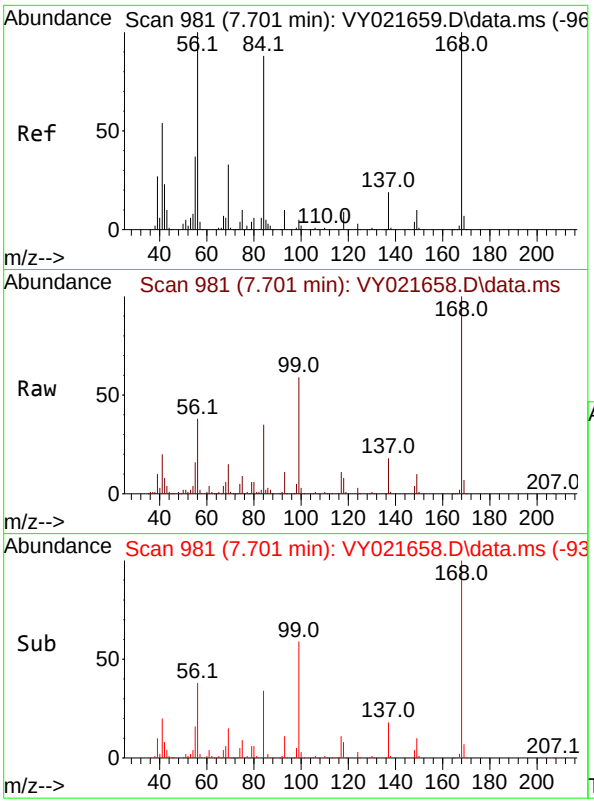


#30
Chloroform
Concen: 19.462 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 83 Resp: 99390

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8





#31
Cyclohexane
Concen: 19.075 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

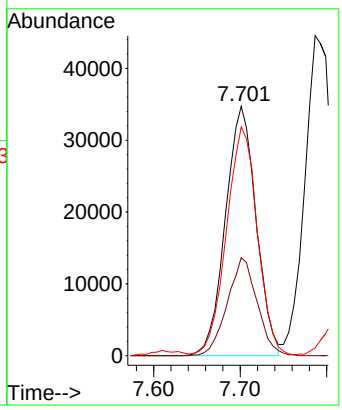
Tgt Ion: 56 Resp: 8537

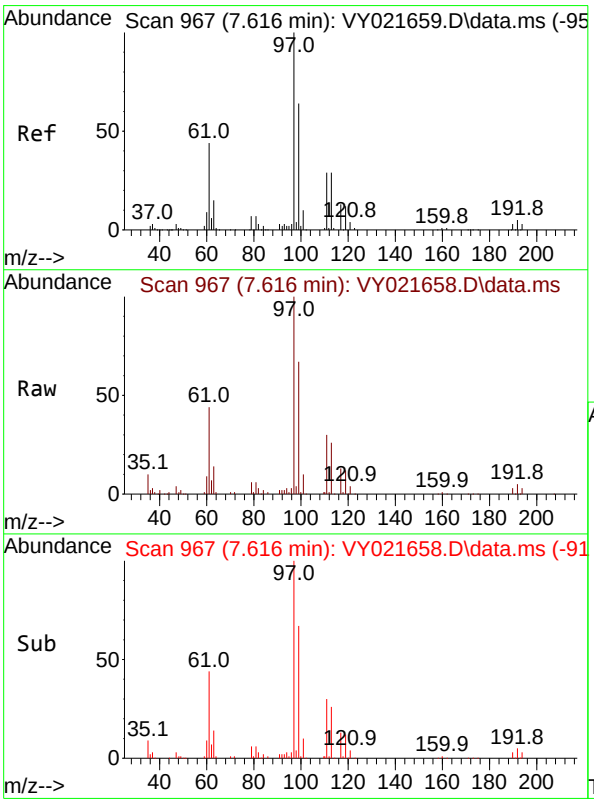
Ion	Ratio	Lower	Upper
56	100		
69	39.3	26.6	40.0
84	90.0	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

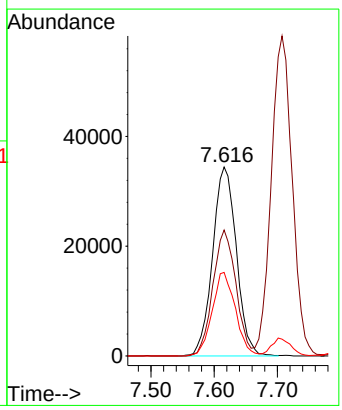


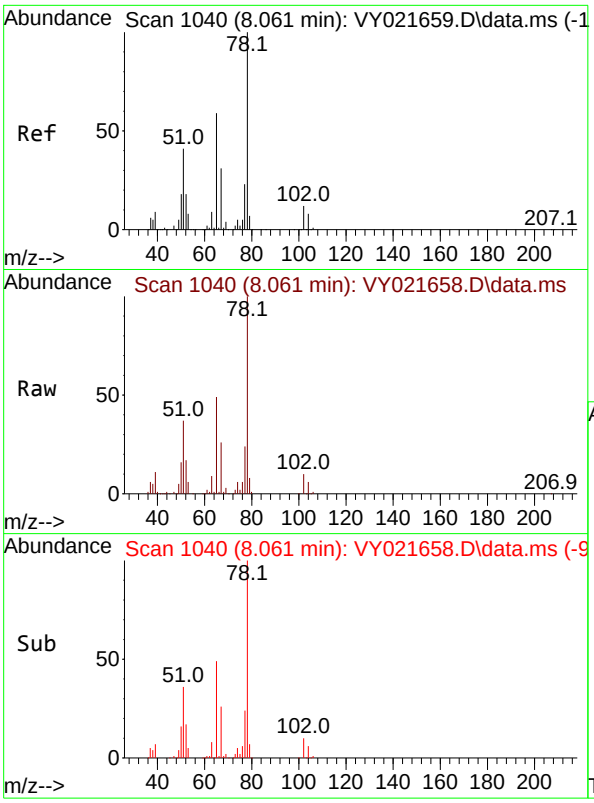


#32
1,1,1-Trichloroethane
Concen: 19.459 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 89818

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.2	35.2	52.8

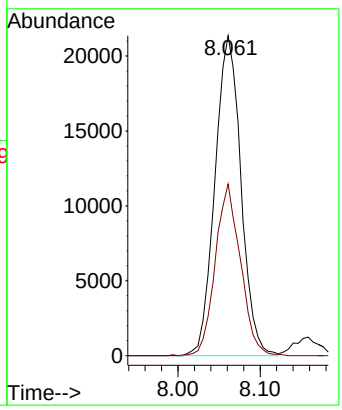




#33
1,2-Dichloroethane-d4
Concen: 18.542 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 65 Resp: 4702

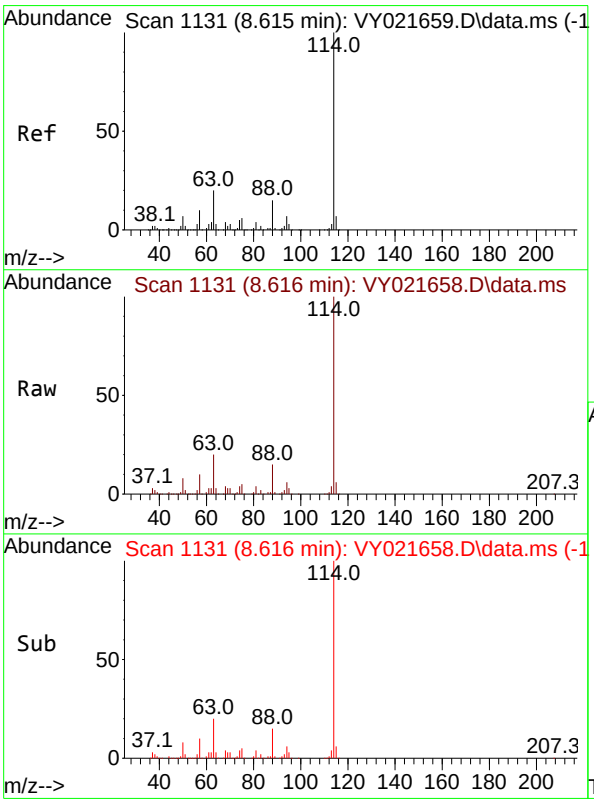
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

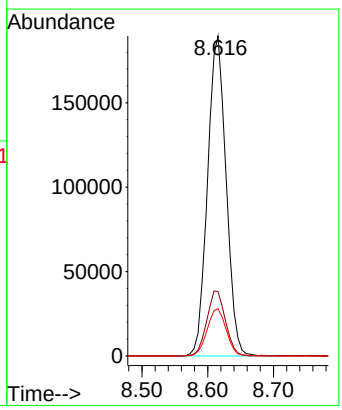
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

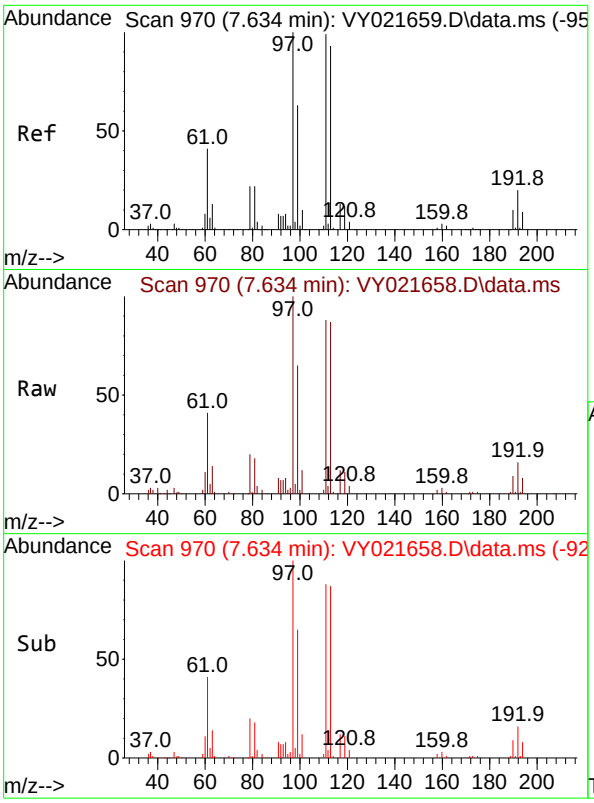


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:114 Resp: 372865

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	14.8	0.0	29.8

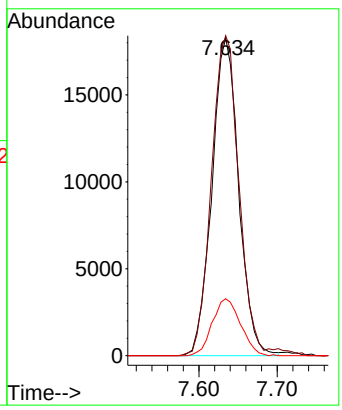




#35
Dibromofluoromethane
Concen: 17.910 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:113 Resp: 4331

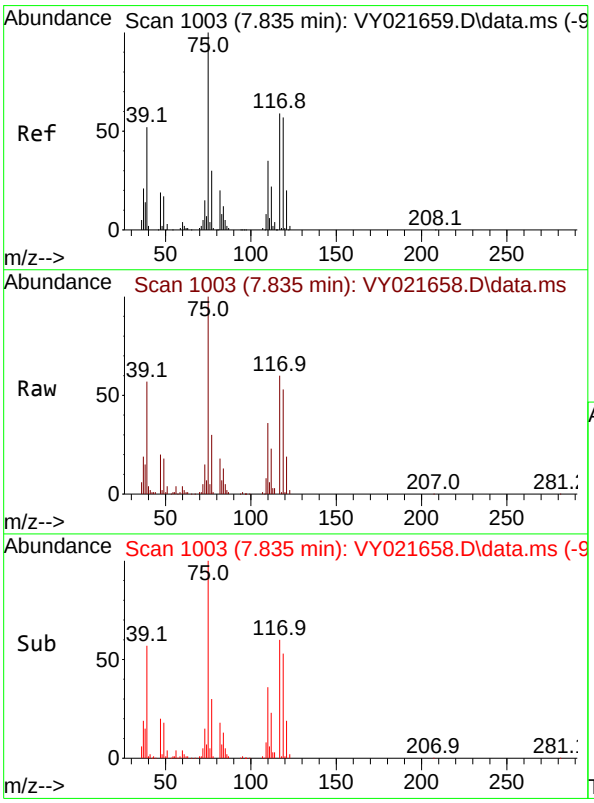
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.6	123.8
192	19.0	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

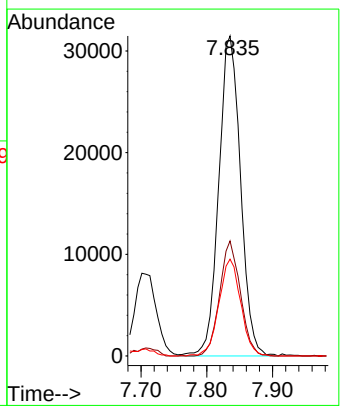
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

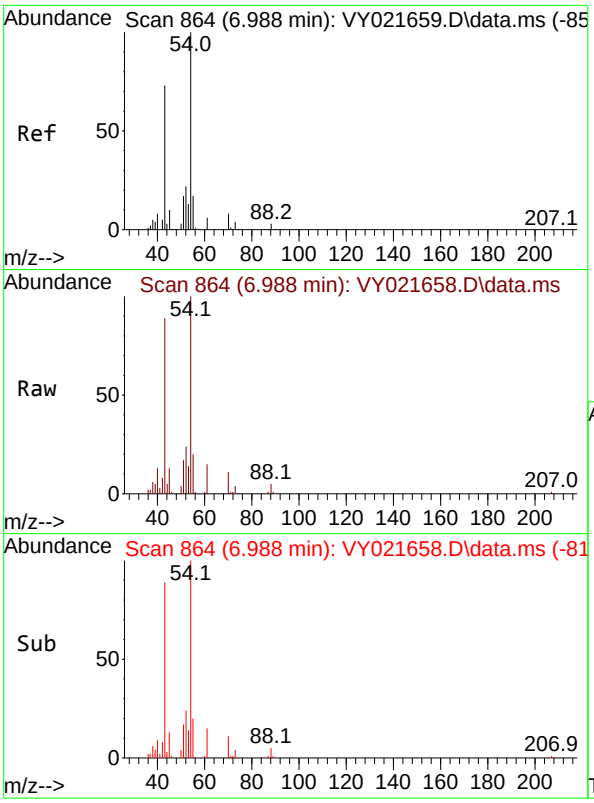


#36
1,1-Dichloropropene
Concen: 19.697 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 72566

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	30.3	24.8	37.2





#37
Ethyl Acetate
Concen: 18.585 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

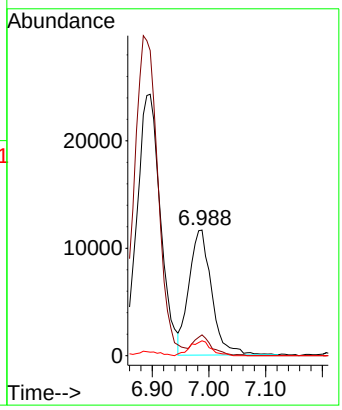
Tgt Ion: 43 Resp: 3231

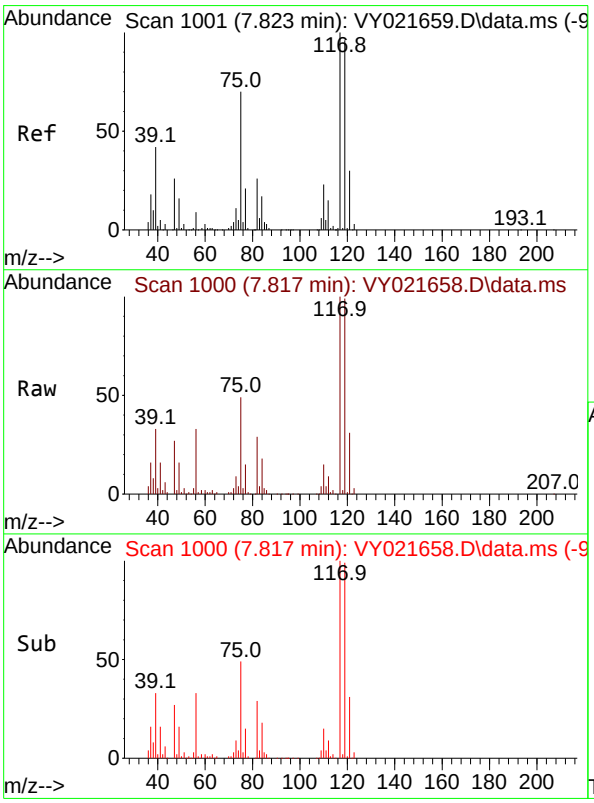
Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.0	16.6
70	10.9	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

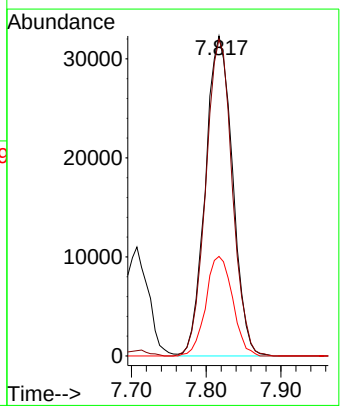


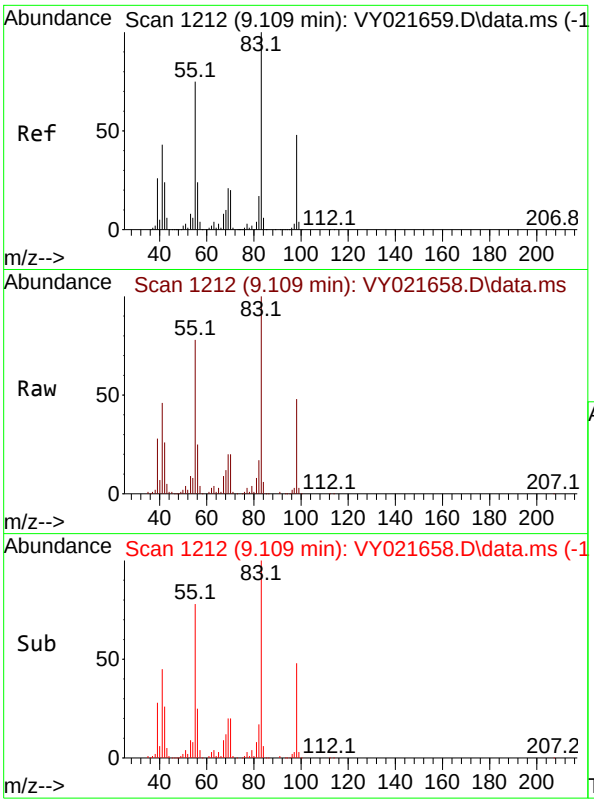


#38
Carbon Tetrachloride
Concen: 19.308 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 81472

Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.2	114.4
121	31.1	24.2	36.4





#39
Methylcyclohexane
Concen: 19.269 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

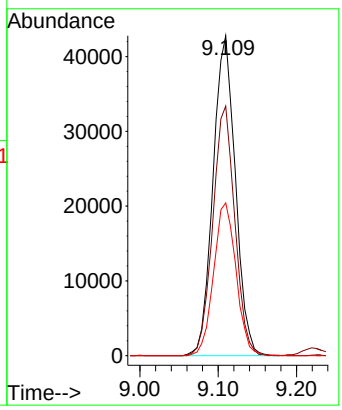
Tgt Ion: 83 Resp: 8480

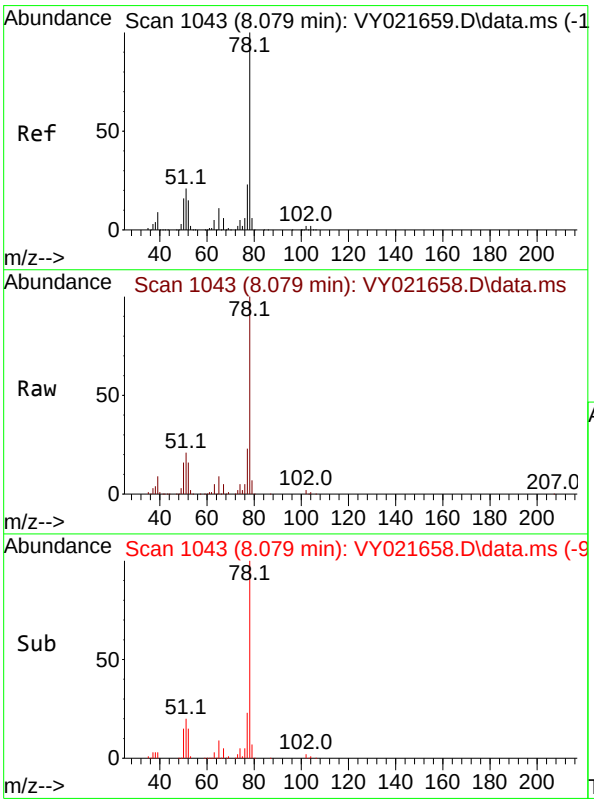
Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.7	89.5
98	47.8	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

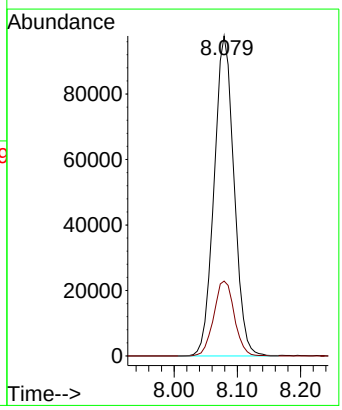


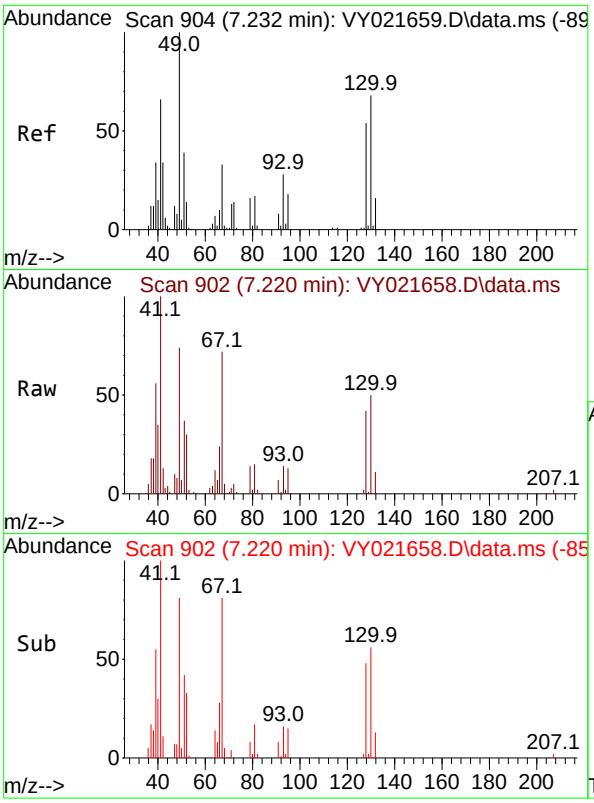


#40
Benzene
Concen: 19.313 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 78 Resp: 213074

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

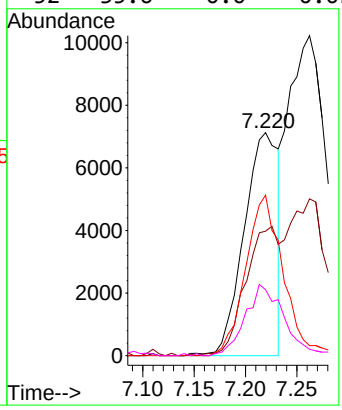




#41
Methacrylonitrile
Concen: 17.853 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 1648

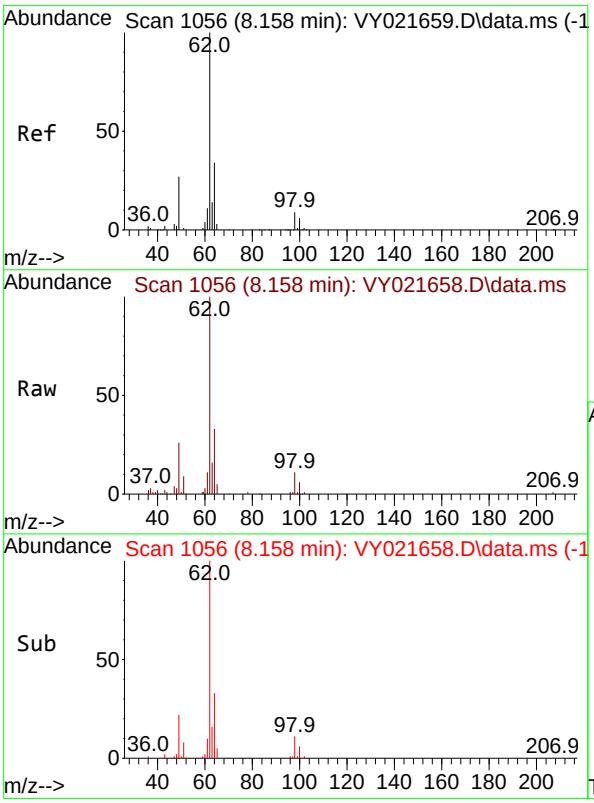
Ion	Ratio	Lower	Upper
41	100		
39	55.7	0.0	0.0#
67	78.7	0.0	0.0#
52	35.6	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

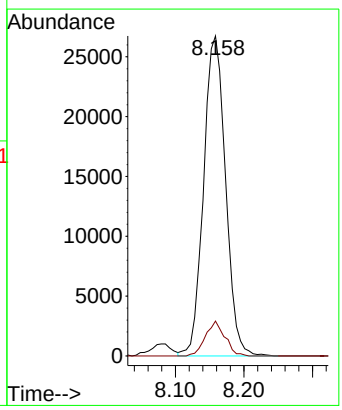
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

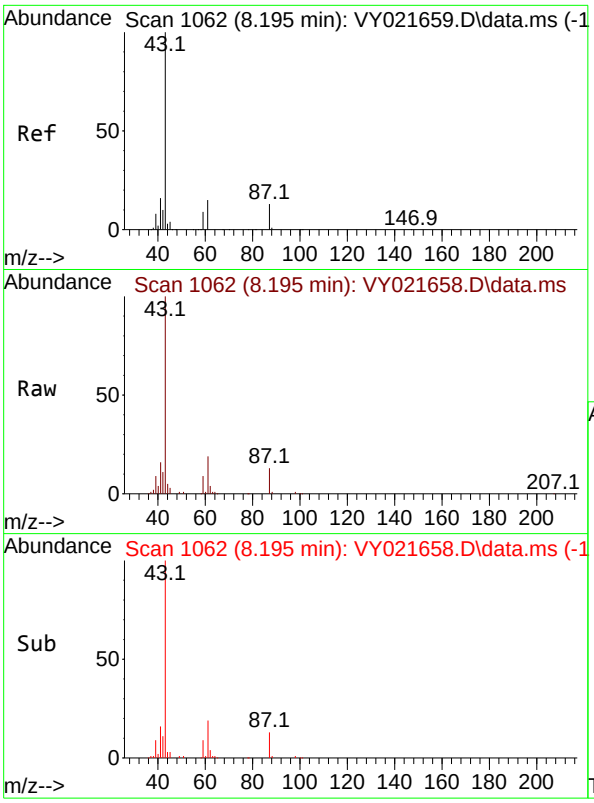


#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 59552

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4

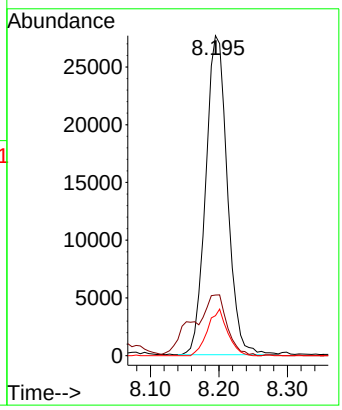




#43
Isopropyl Acetate
Concen: 18.451 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 6079

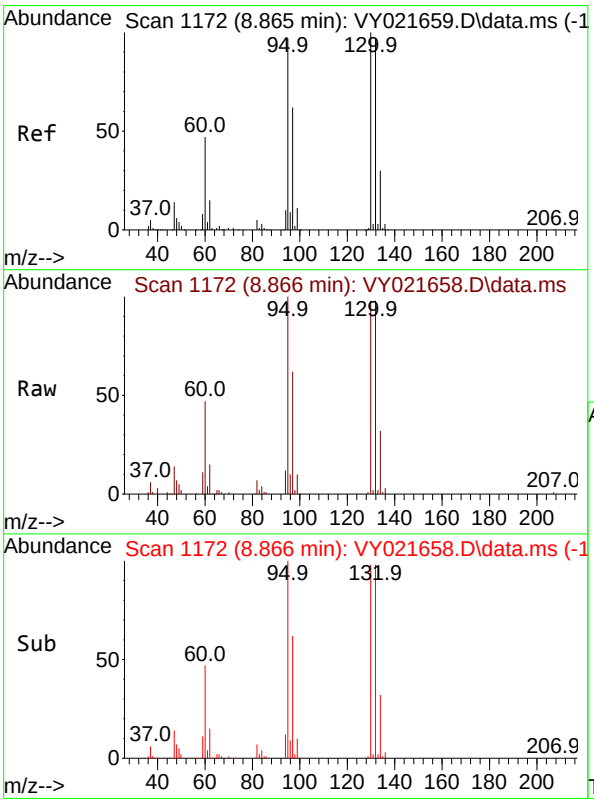
Ion	Ratio	Lower	Upper
43	100		
61	29.8	15.9	23.9
87	13.4	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

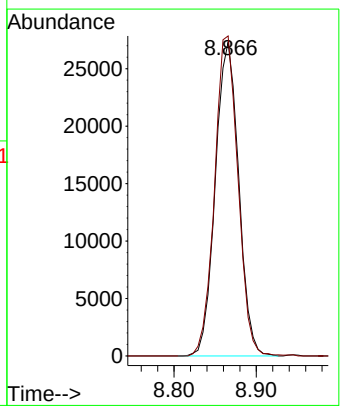
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

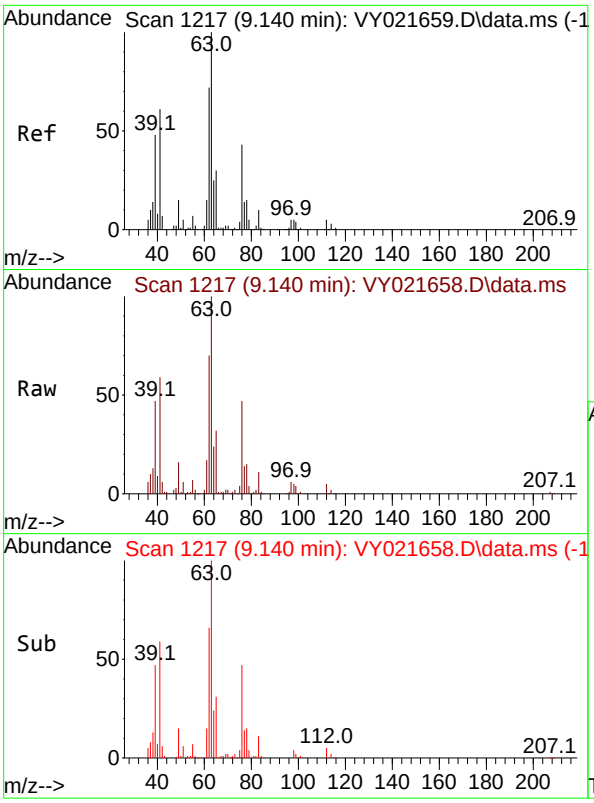


#44
Trichloroethene
Concen: 19.215 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:130 Resp: 54015

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	194.8

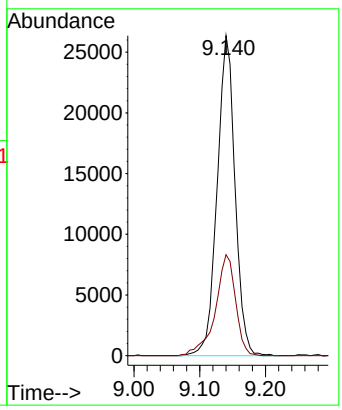




#45
1,2-Dichloropropane
Concen: 19.088 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 4985

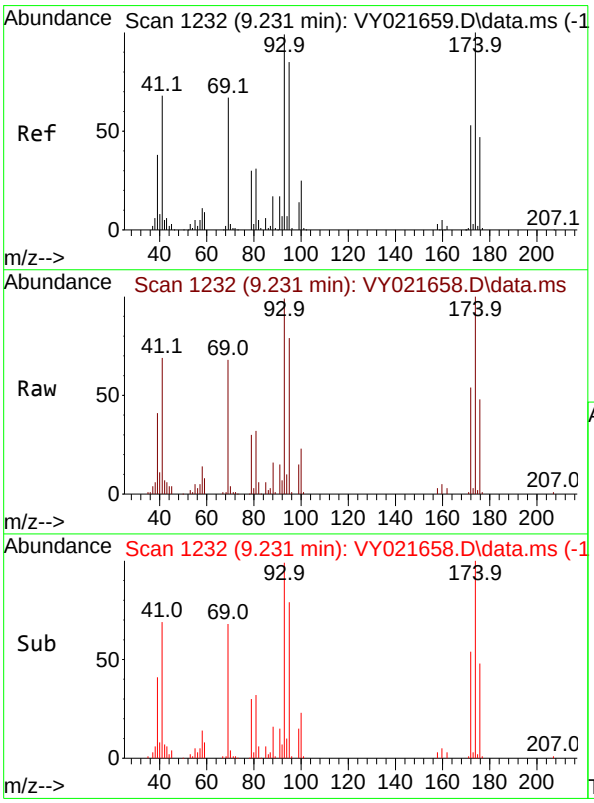
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

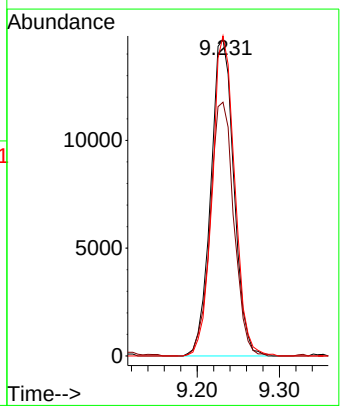
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

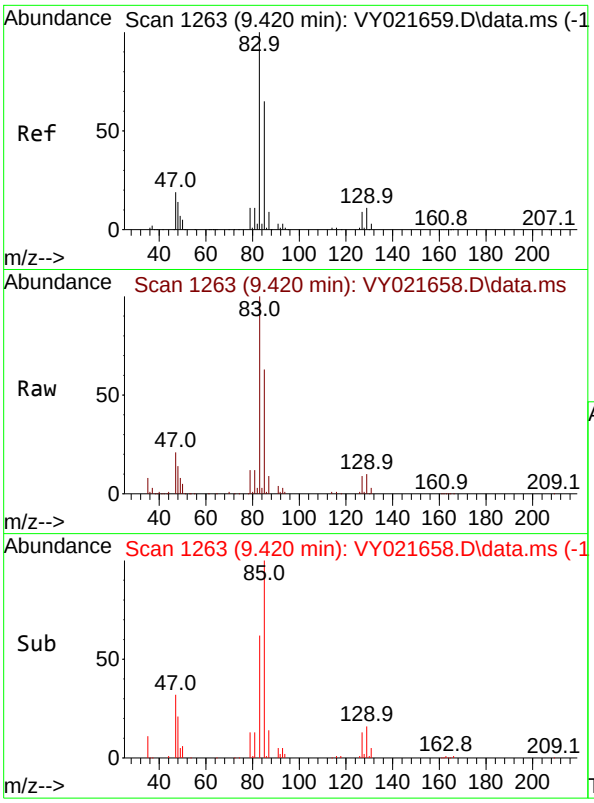


#46
Dibromomethane
Concen: 19.067 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 93 Resp: 28698

Ion	Ratio	Lower	Upper
93	100		
95	81.9	68.1	102.1
174	97.9	80.9	121.3

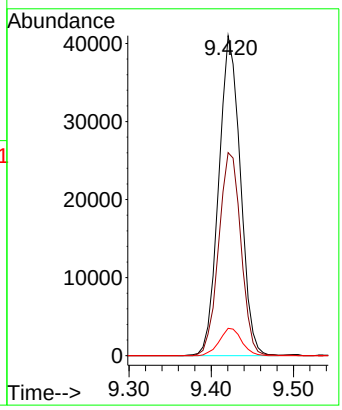




#47
Bromodichloromethane
Concen: 19.262 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 83 Resp: 7512

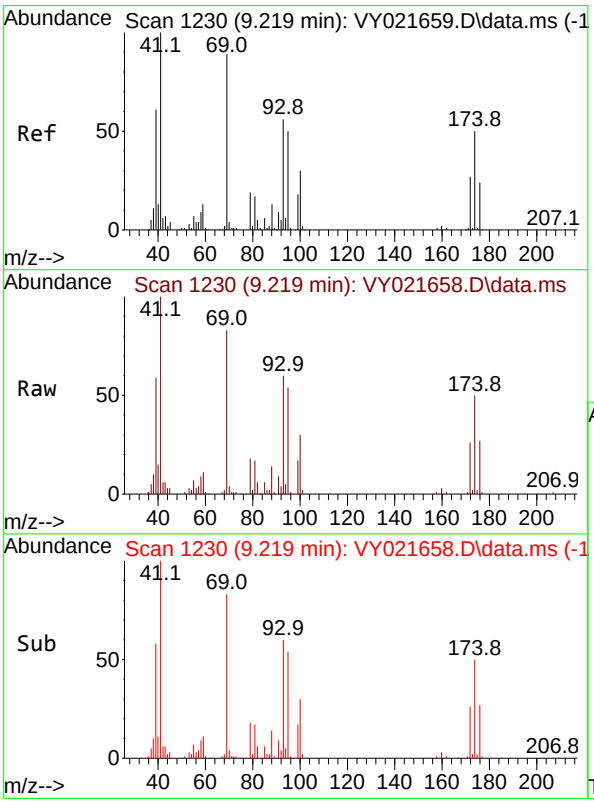
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	8.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

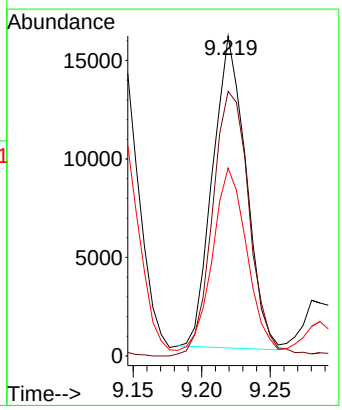
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

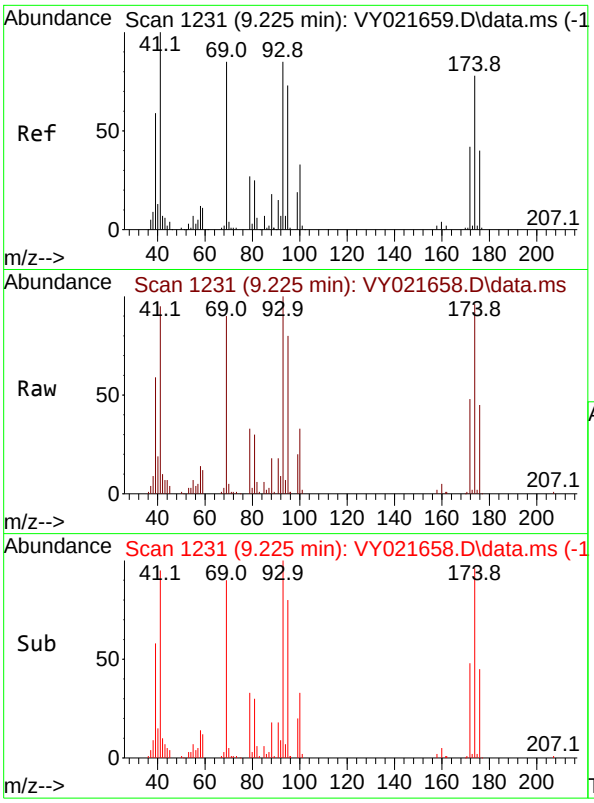


#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 26759

Ion	Ratio	Lower	Upper
41	100		
69	95.3	69.8	104.8
39	60.0	47.2	70.8

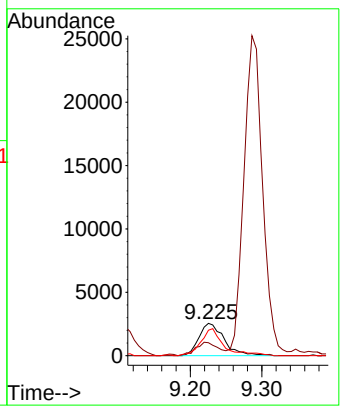




#49
1,4-Dioxane
Concen: 388.254 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 88 Resp: 626

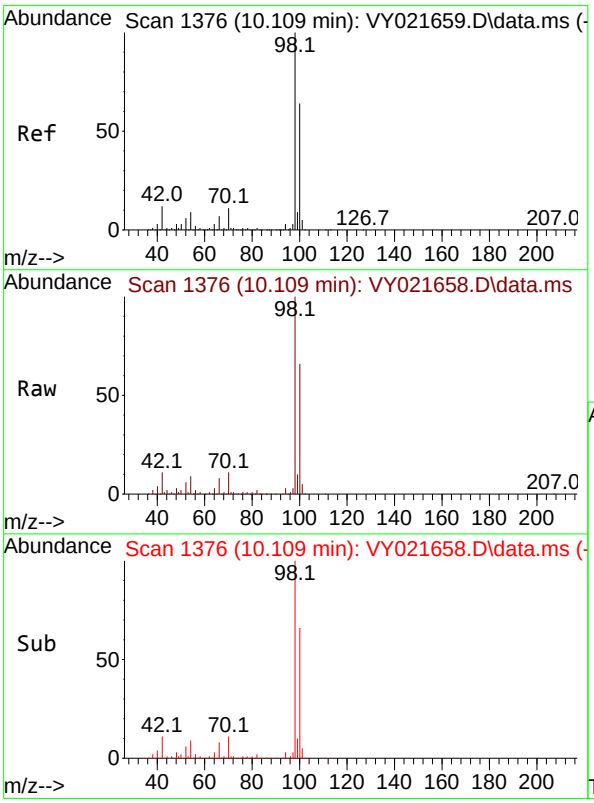
Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.8	43.2
58	75.8	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

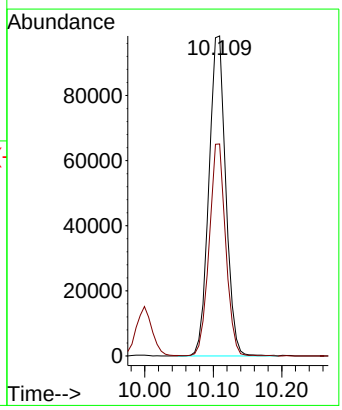
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

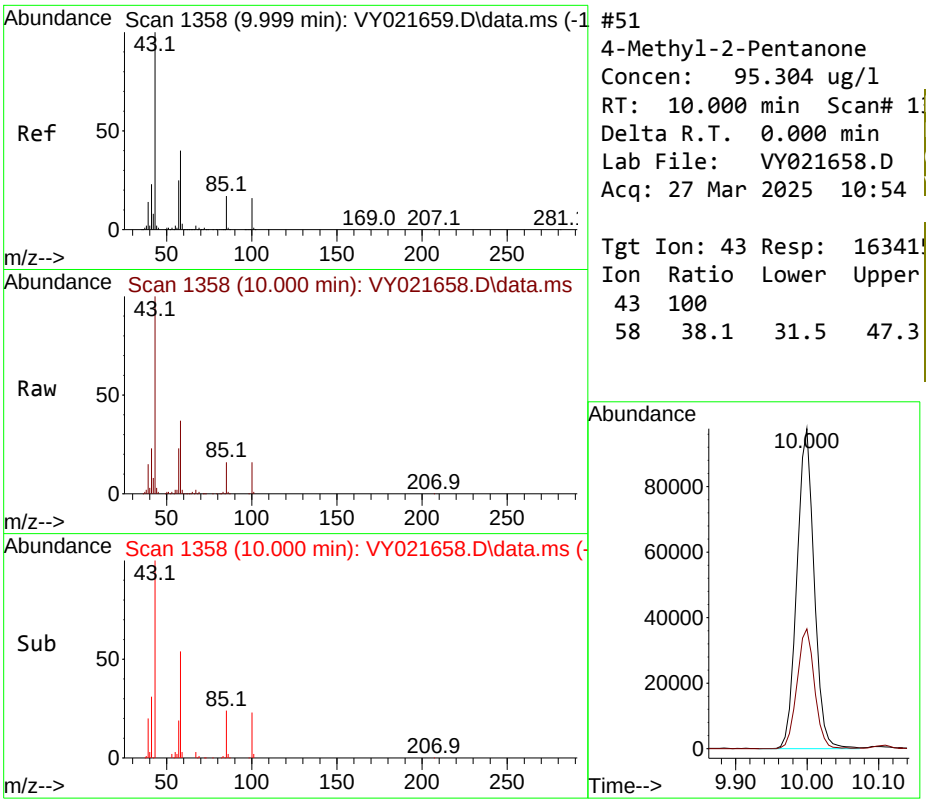


#50
Toluene-d8
Concen: 18.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 98 Resp: 168040

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 95.304 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

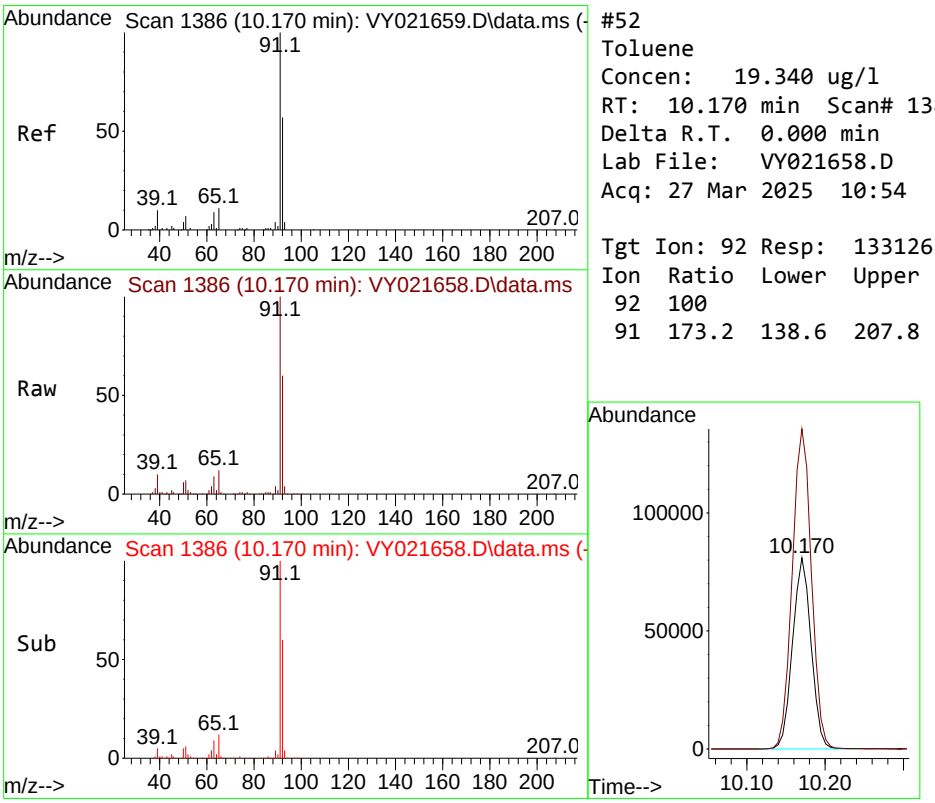
Tgt Ion: 43 Resp: 16341

Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

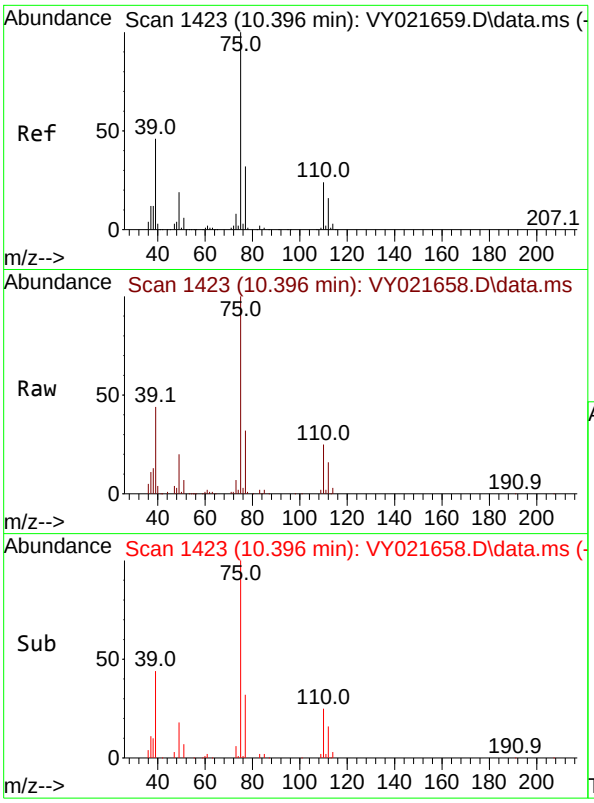
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 19.340 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 92 Resp: 133126

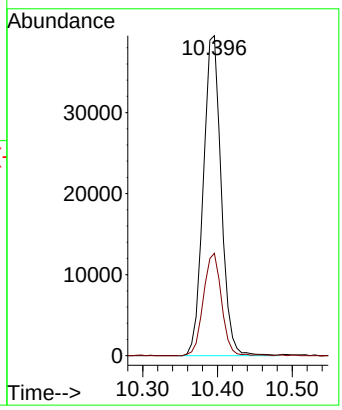
Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8



#53
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6553(

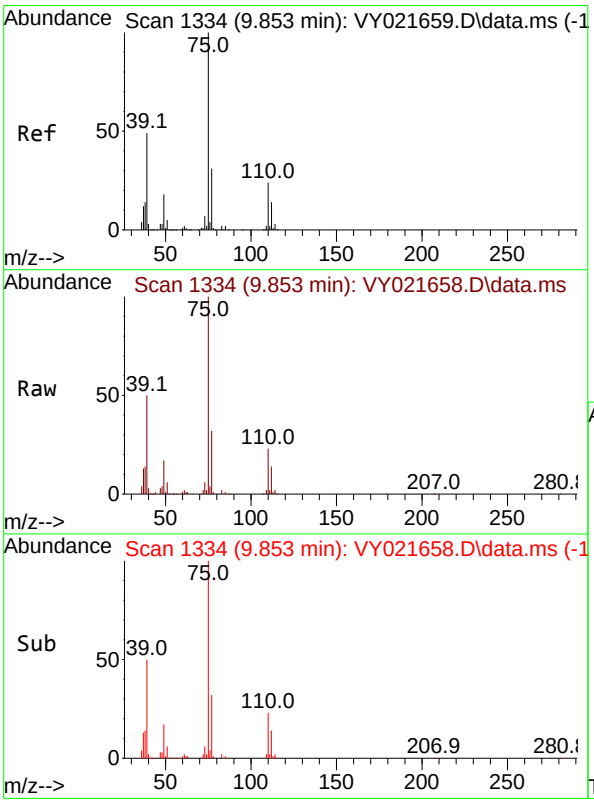
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

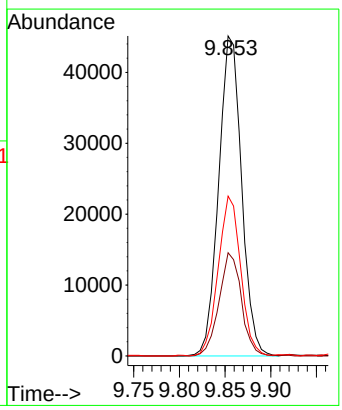
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

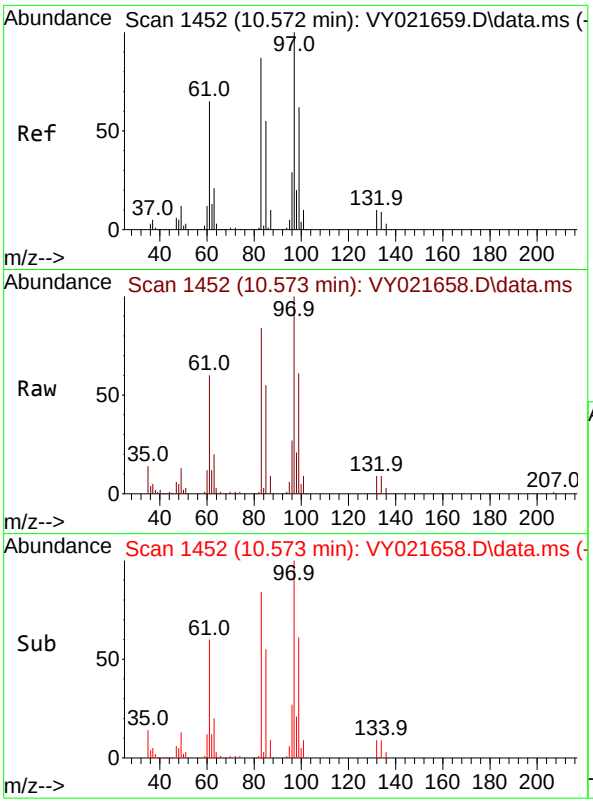


#54
cis-1,3-Dichloropropene
Concen: 19.271 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 78753

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3
39	49.7	39.2	58.8

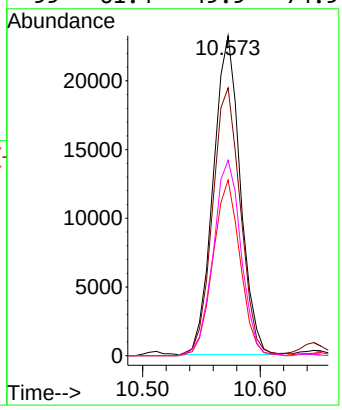




#55
1,1,2-Trichloroethane
Concen: 19.140 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 3707

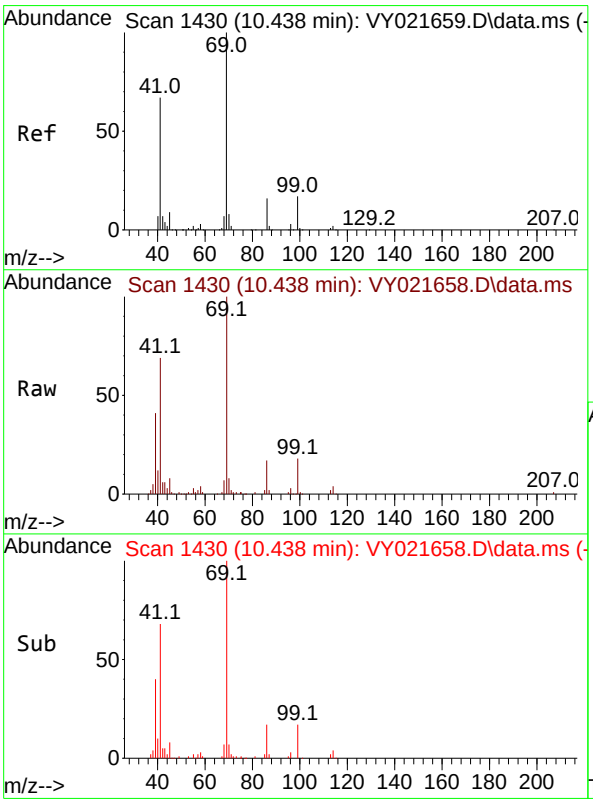
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.5	104.3
85	55.1	43.9	65.9
99	61.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

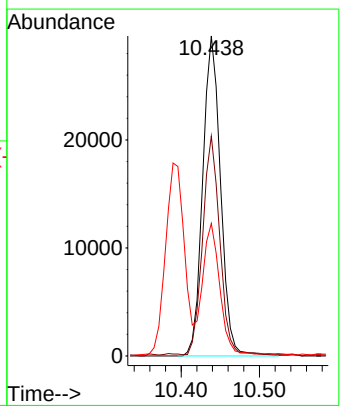
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

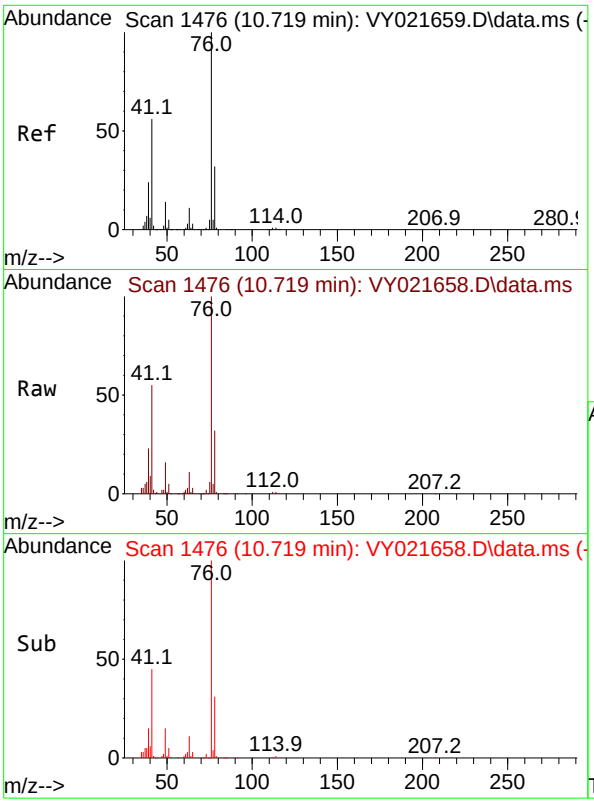


#56
Ethyl methacrylate
Concen: 18.936 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 69 Resp: 46833

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.8	80.6
39	39.6	29.6	44.4

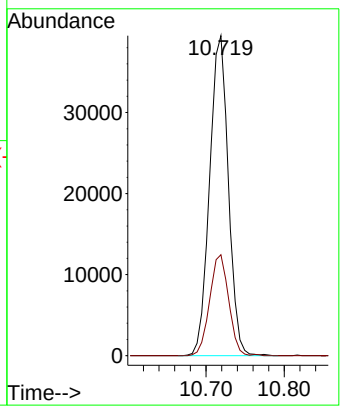




#57
1,3-Dichloropropane
Concen: 19.600 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 76 Resp: 6556

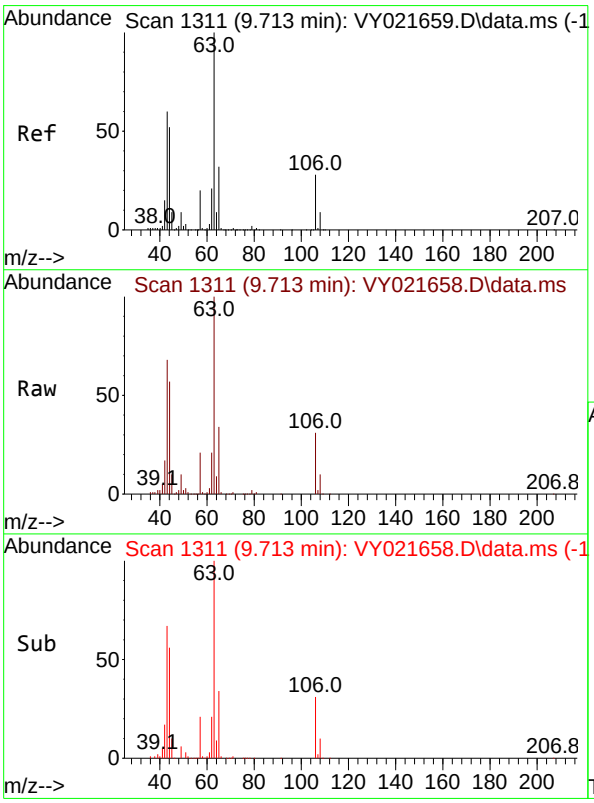
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

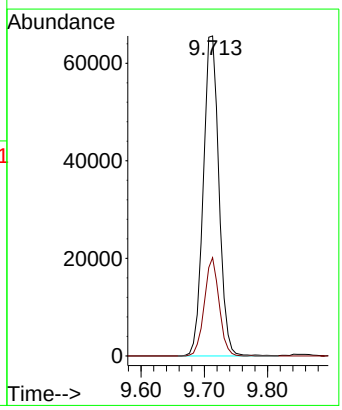
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

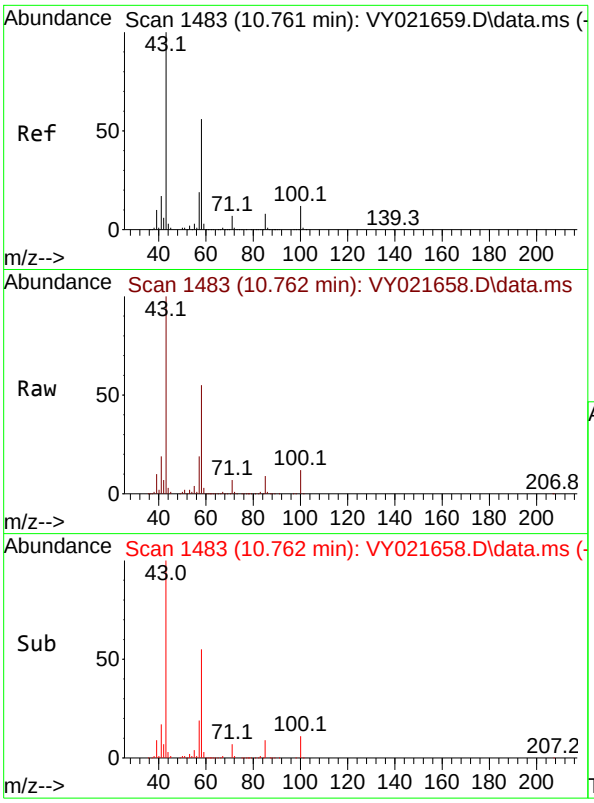


#58
2-Chloroethyl Vinyl ether
Concen: 93.615 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 112947

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.4	33.6

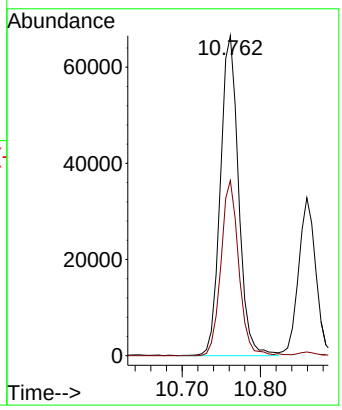




#59
2-Hexanone
Concen: 94.241 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 10761

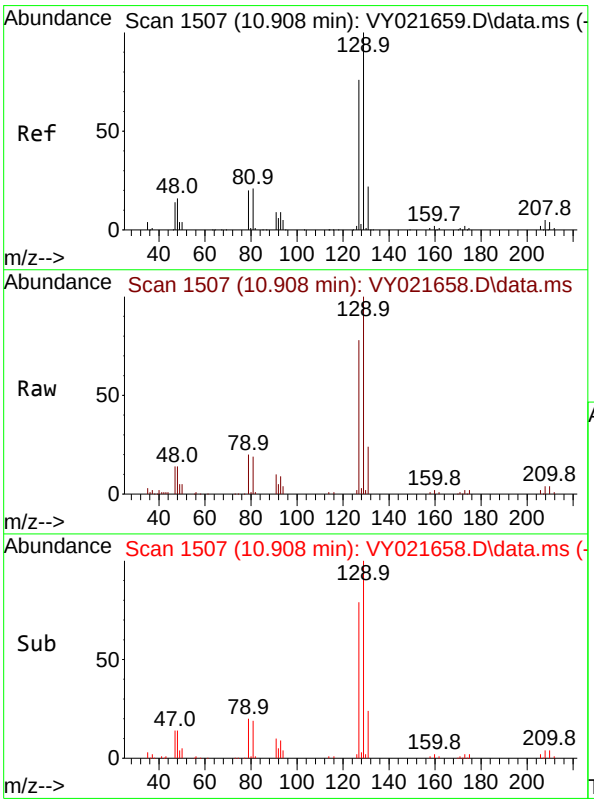
Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

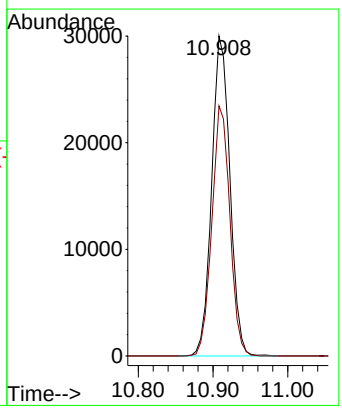
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

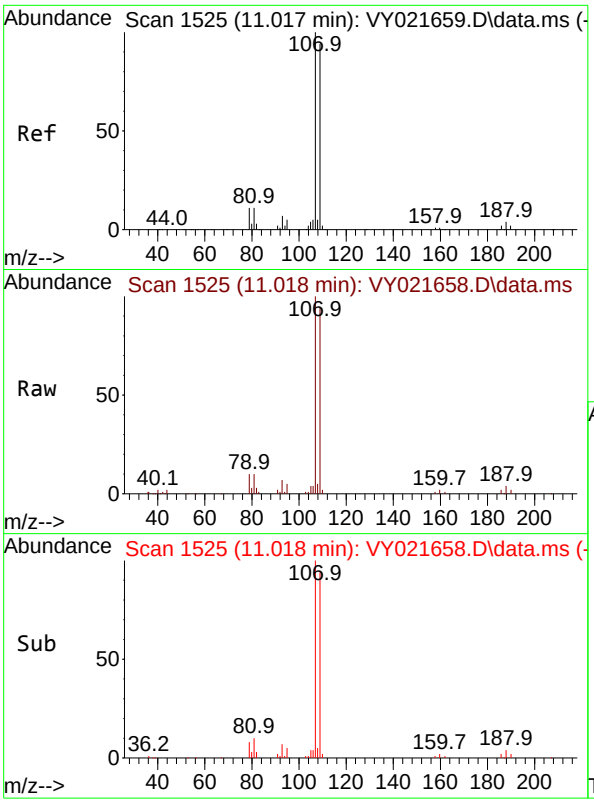


#60
Dibromochloromethane
Concen: 19.187 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:129 Resp: 50740

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.7

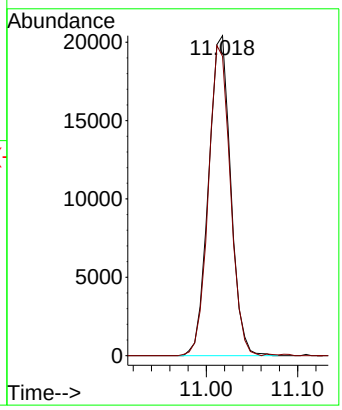




#61
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:107 Resp: 3429

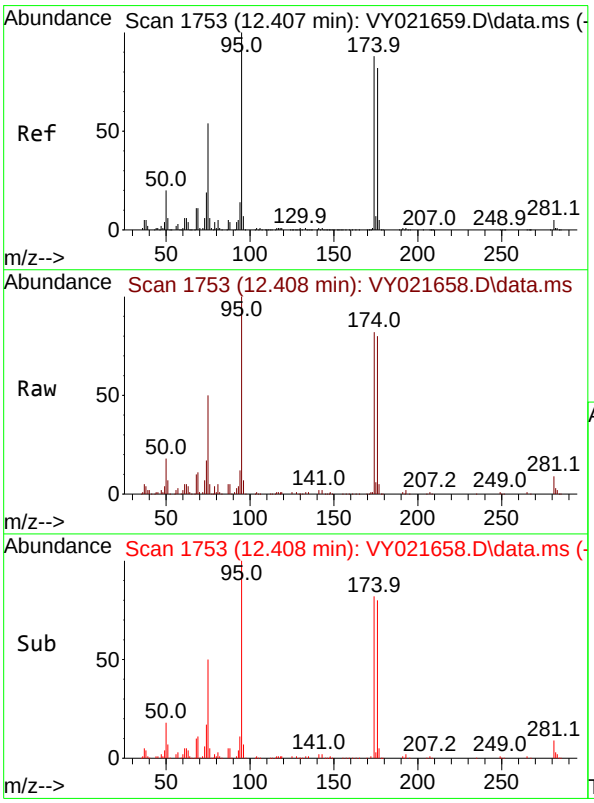
Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

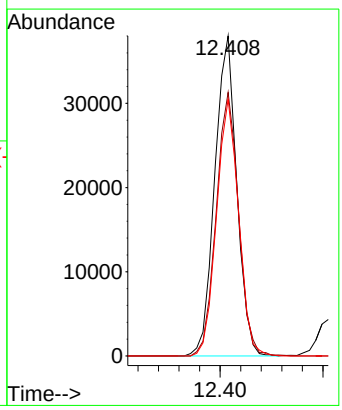
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

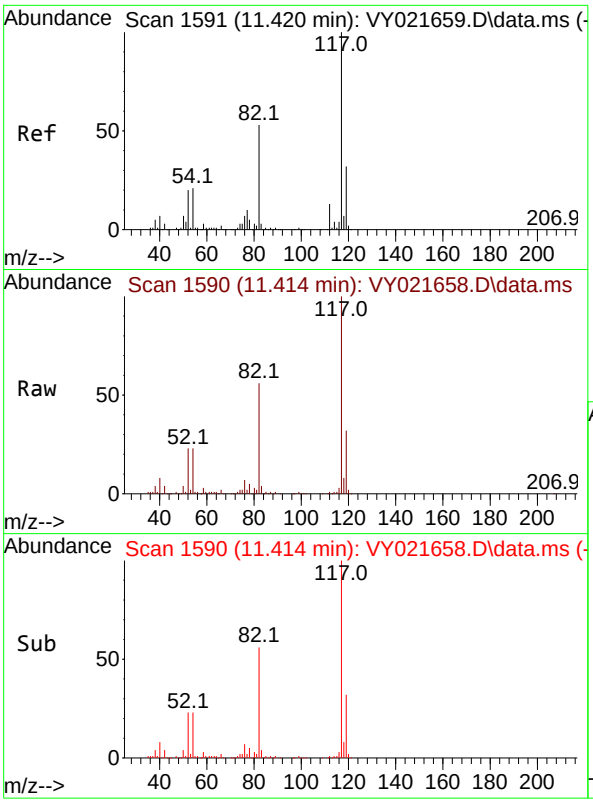


#62
4-Bromofluorobenzene
Concen: 18.092 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 95 Resp: 56308

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	80.6	0.0	162.0

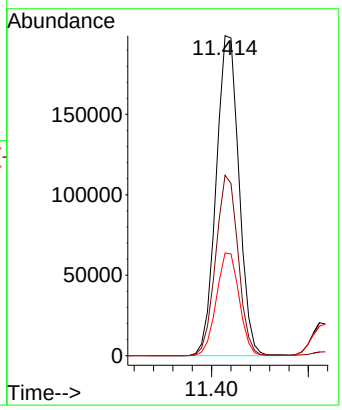




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 32515

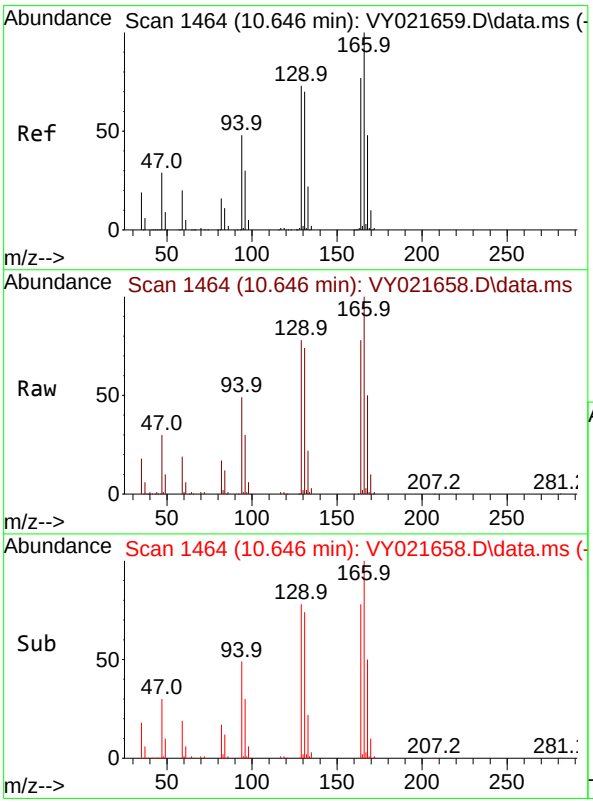
Ion	Ratio	Lower	Upper
117	100		
82	56.4	42.8	64.2
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

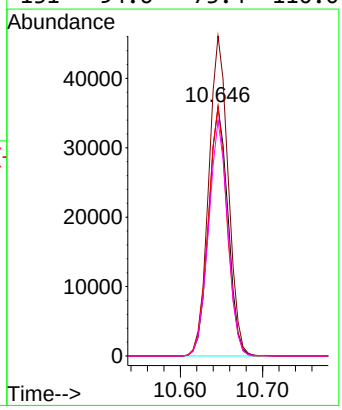
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

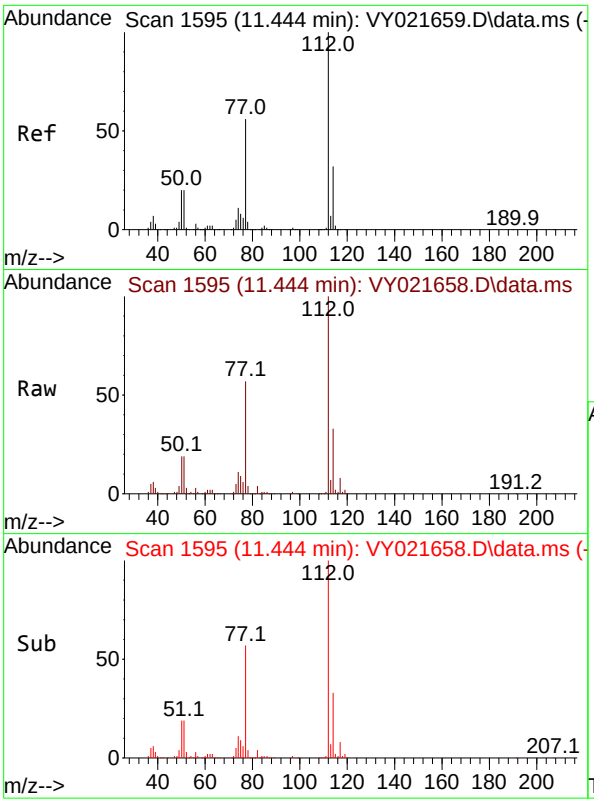


#64
Tetrachloroethene
Concen: 19.897 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:164 Resp: 58923

Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.6	156.8
129	100.1	76.6	114.8
131	94.6	73.4	110.0

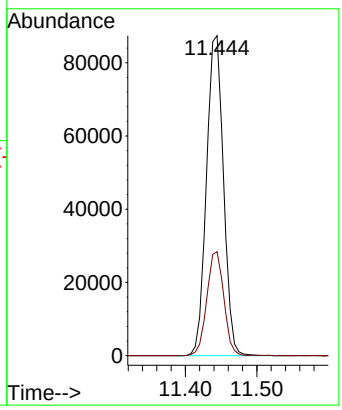




#65
Chlorobenzene
Concen: 19.375 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:112 Resp: 14441

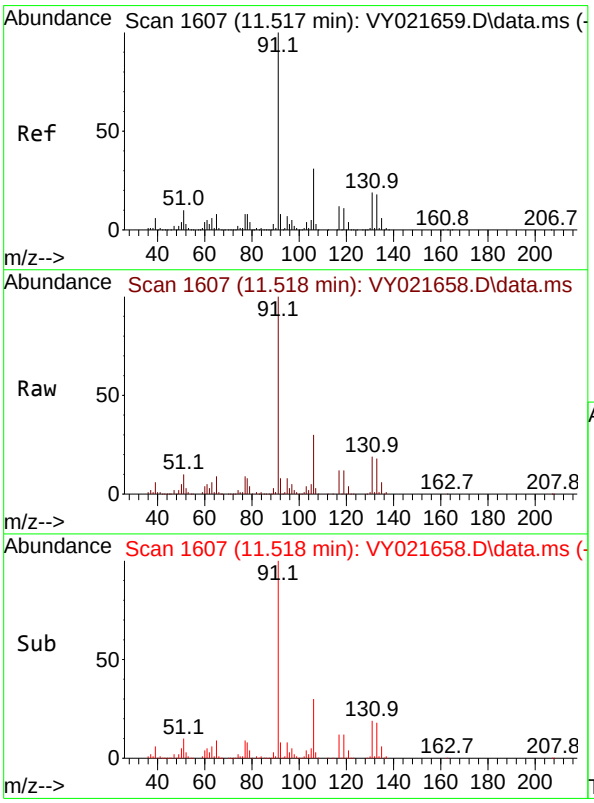
Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

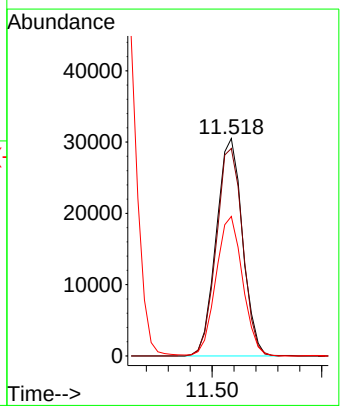
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

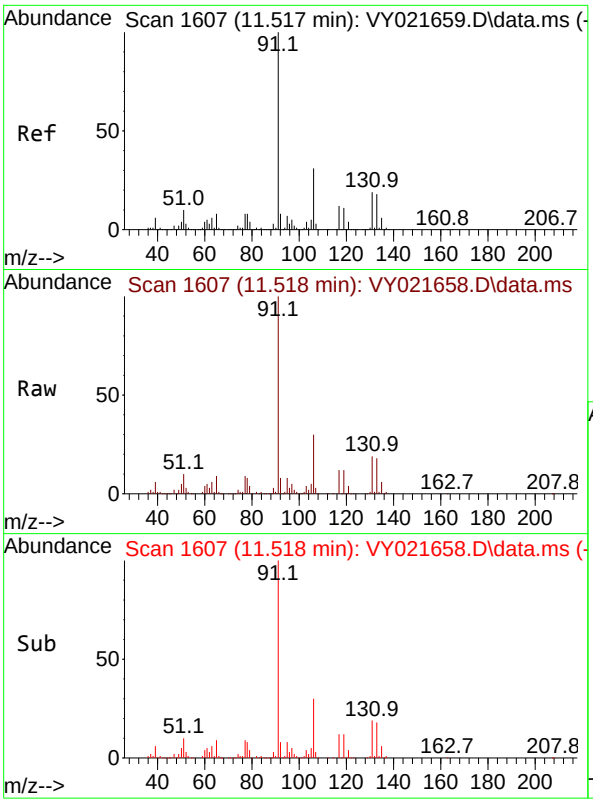


#66
1,1,1,2-Tetrachloroethane
Concen: 19.173 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:131 Resp: 50703

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.8
119	65.2	31.6	95.0

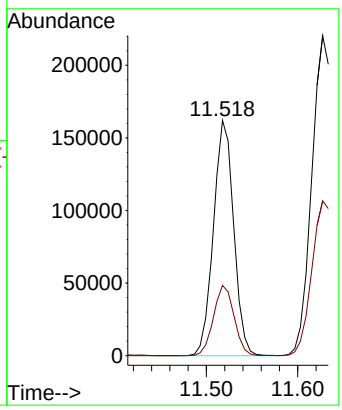




#67
Ethyl Benzene
Concen: 19.515 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 24943

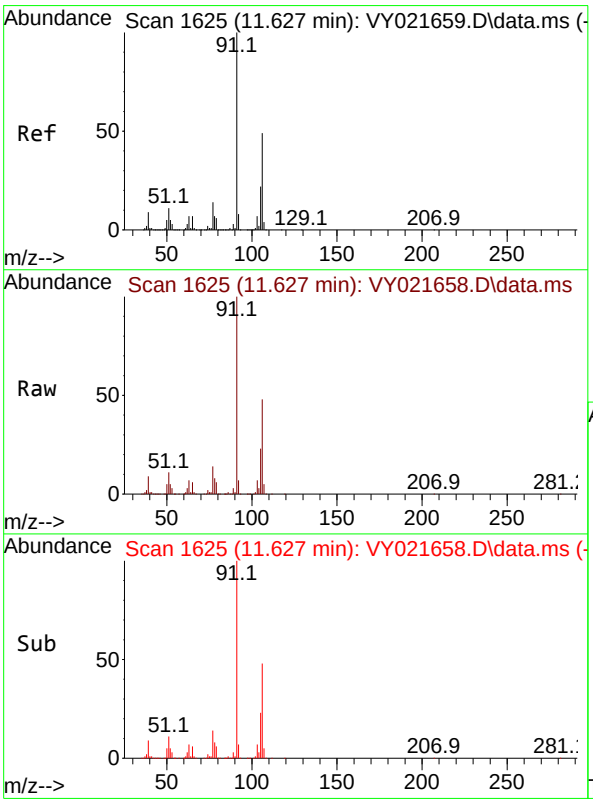
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

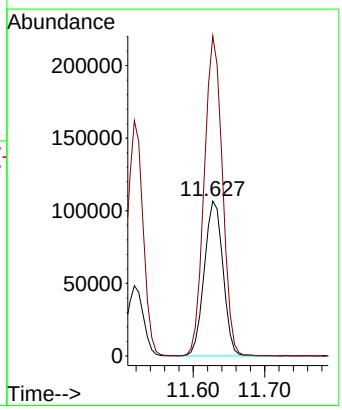
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

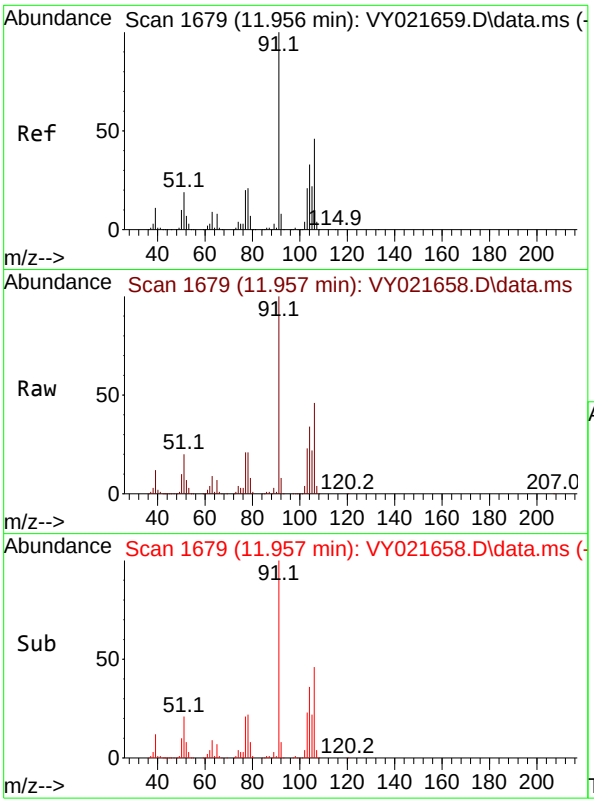


#68
m/p-Xylenes
Concen: 39.549 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:106 Resp: 193566

Ion	Ratio	Lower	Upper
106	100		
91	201.0	162.4	243.6





#69
o-Xylene
Concen: 19.462 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

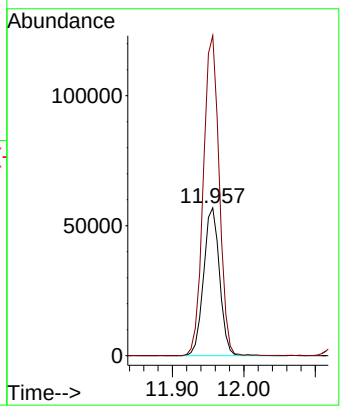
Tgt Ion:106 Resp: 8792

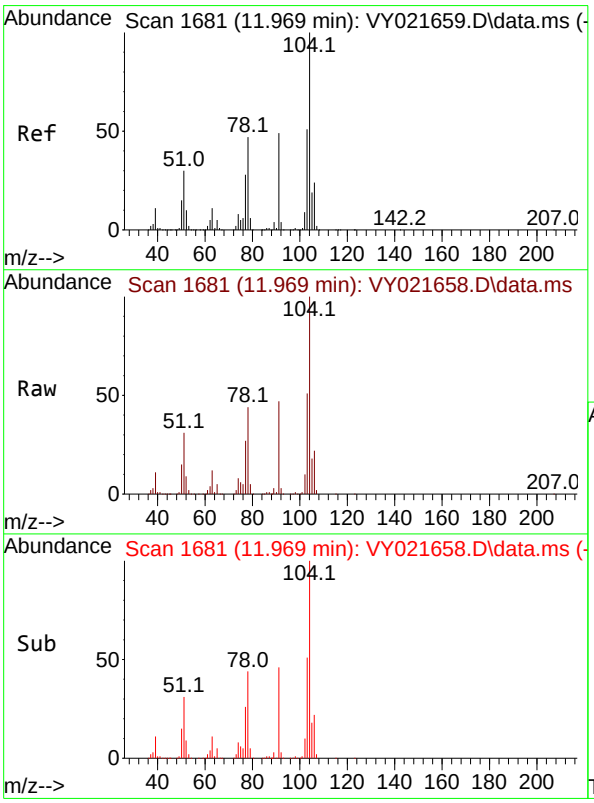
Ion	Ratio	Lower	Upper
106	100		
91	216.7	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

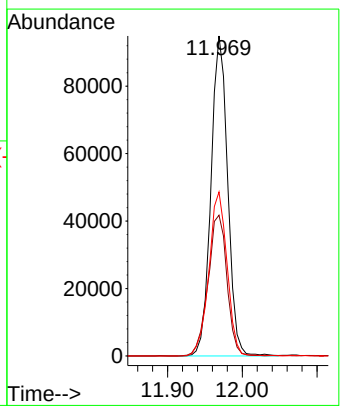


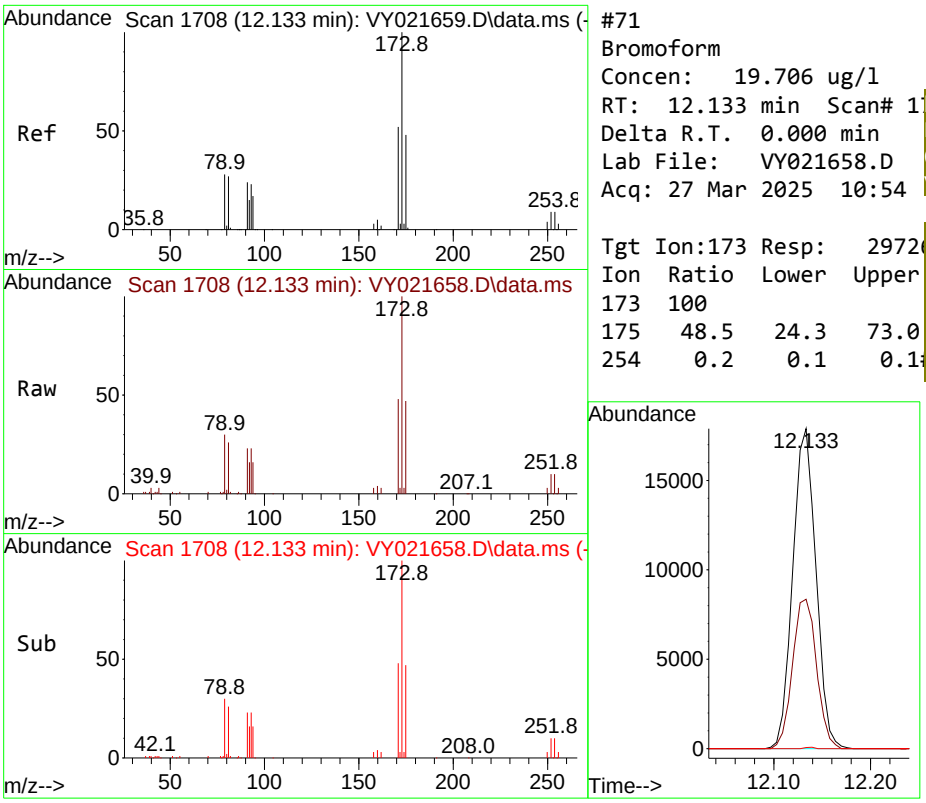


#70
Styrene
Concen: 19.580 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:104 Resp: 147490

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.8	61.2
103	55.7	44.2	66.2





#71
Bromoform
Concen: 19.706 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

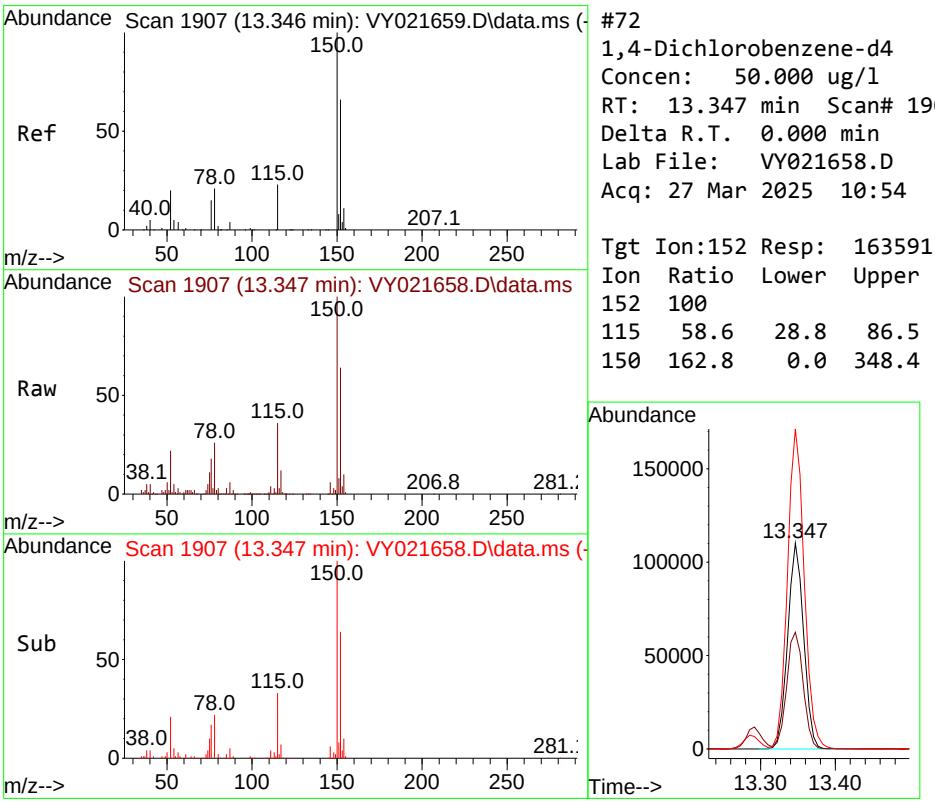
Tgt Ion:173 Resp: 2972

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.2	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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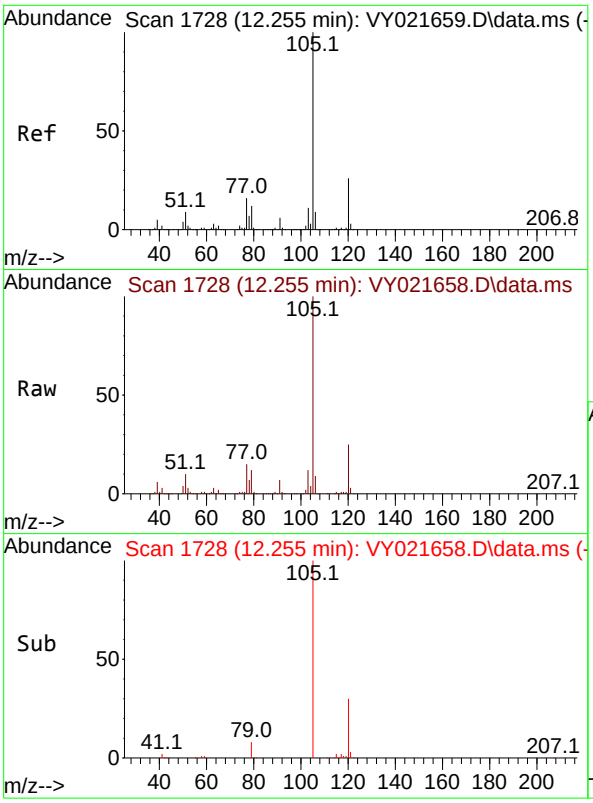
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:152 Resp: 163591

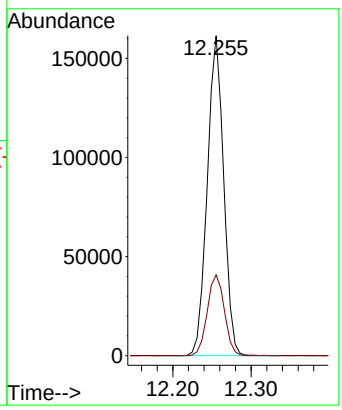
Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	162.8	0.0	348.4



#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 23438

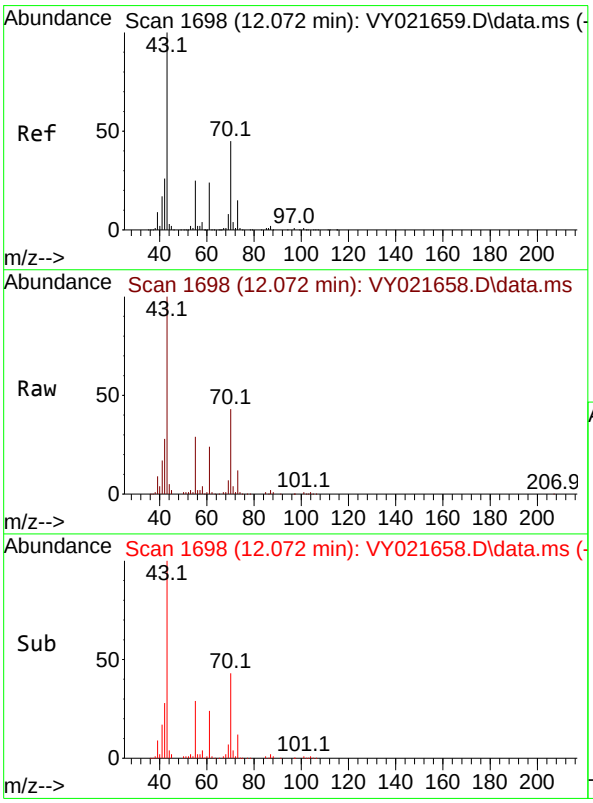
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

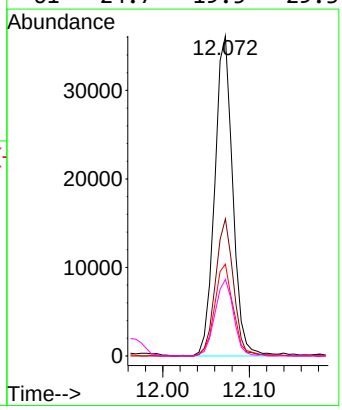
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

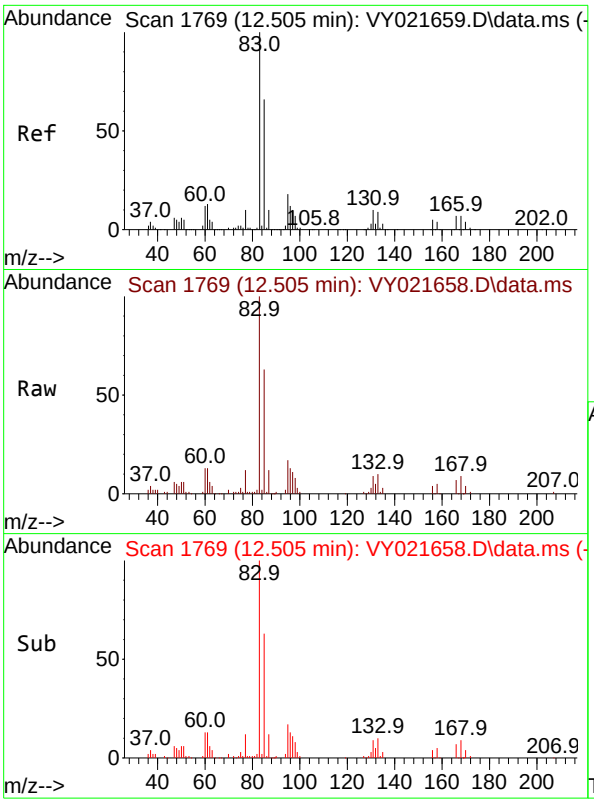


#74
N-amyl acetate
Concen: 18.355 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 52342

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.7	52.1
55	30.0	21.2	31.8
61	24.7	19.5	29.3

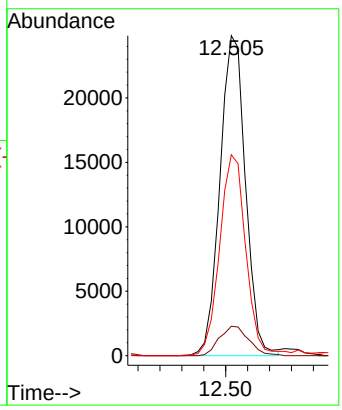




#75
1,1,2,2-Tetrachloroethane
Concen: 18.438 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 83 Resp: 4027

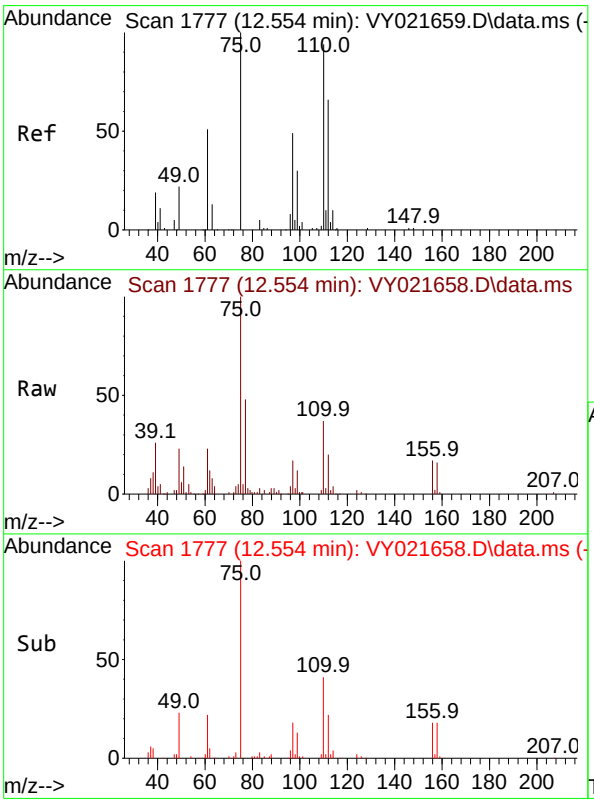
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.3	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

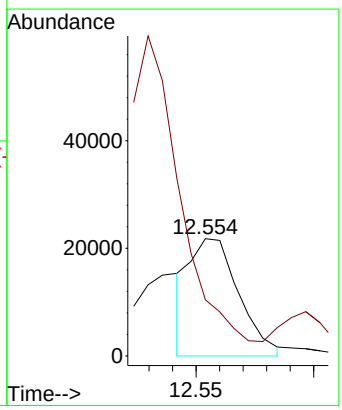
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

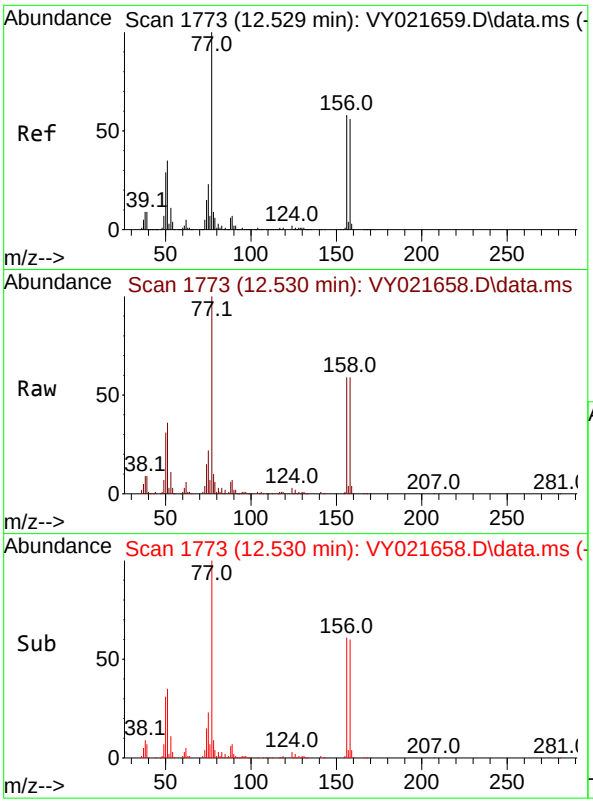


#76
1,2,3-Trichloropropane
Concen: 19.644 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 31855

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

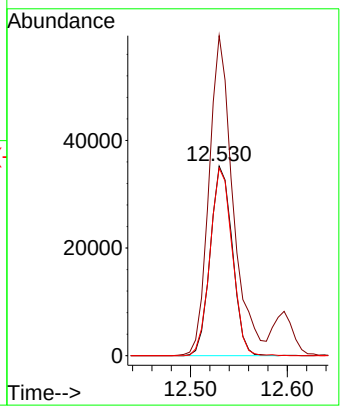




#77
Bromobenzene
Concen: 19.119 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:156 Resp: 5577

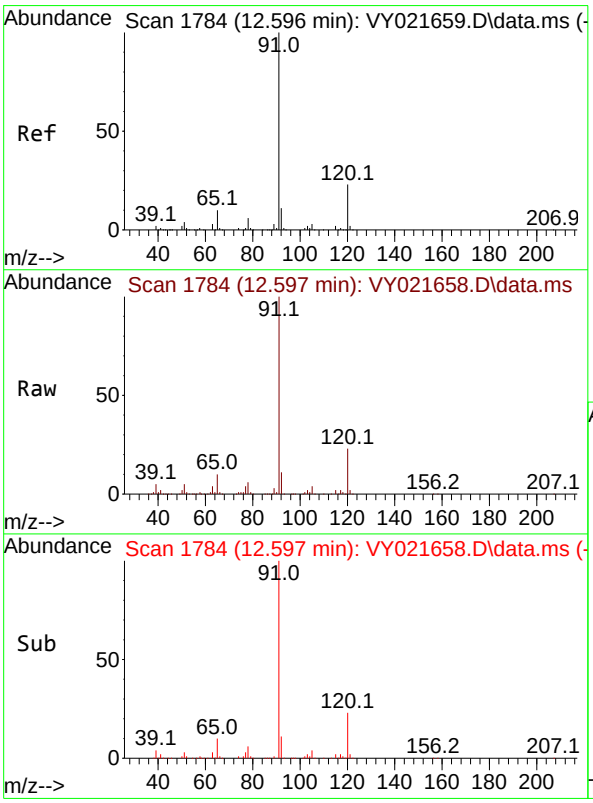
Ion	Ratio	Lower	Upper
156	100		
77	184.4	92.8	278.3
158	99.7	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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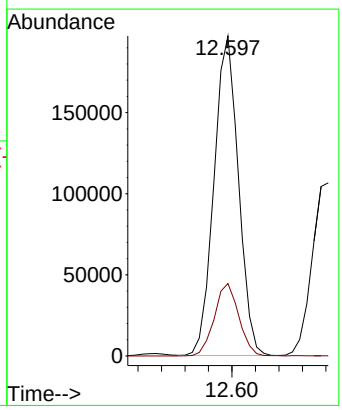
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

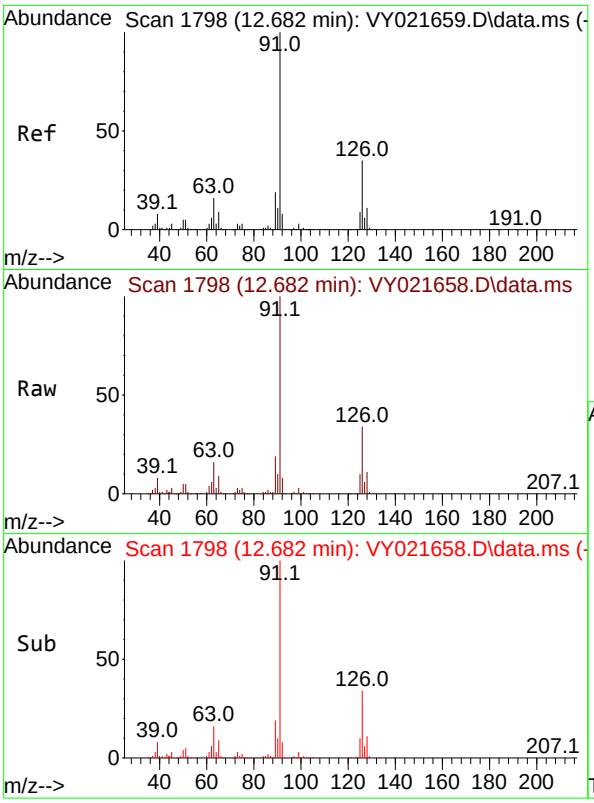


#78
n-propylbenzene
Concen: 19.480 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 284563

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9

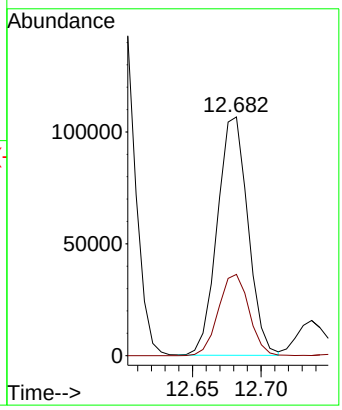




#79
2-Chlorotoluene
Concen: 19.555 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 16591

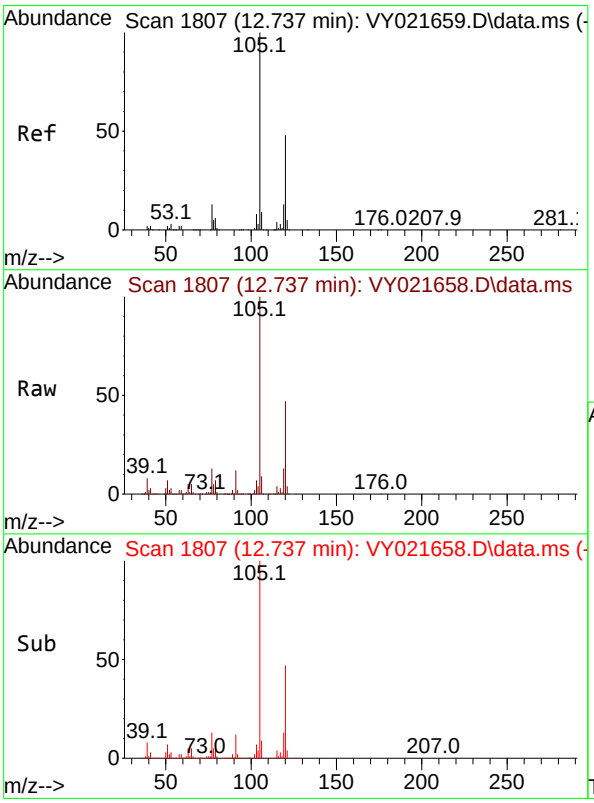
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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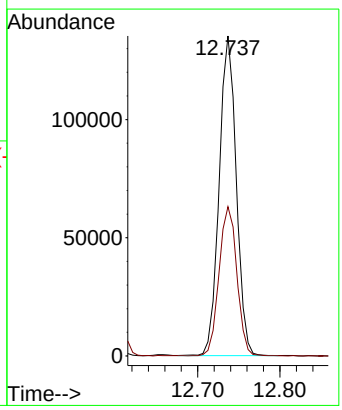
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

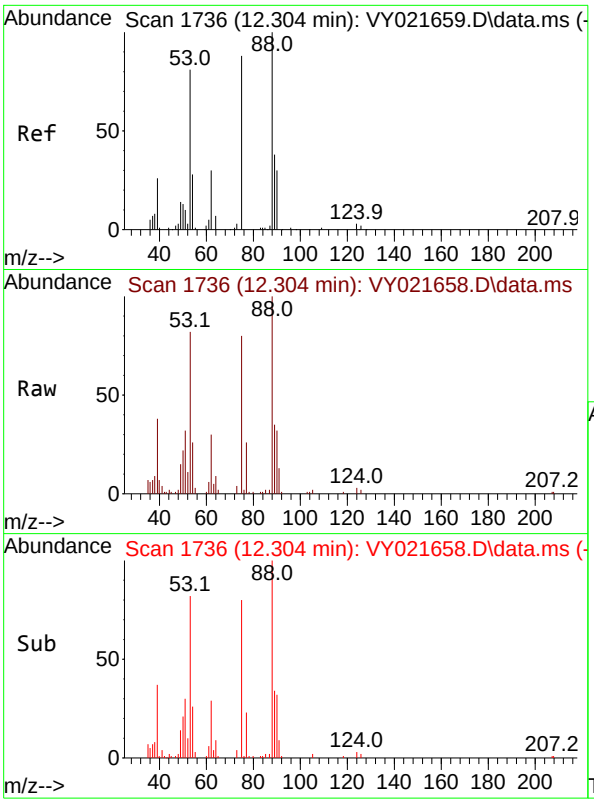


#80
1,3,5-Trimethylbenzene
Concen: 19.651 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 195141

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

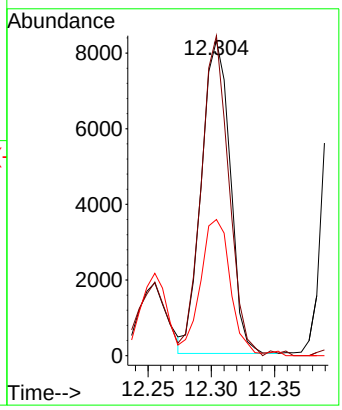
Tgt Ion: 75 Resp: 1302

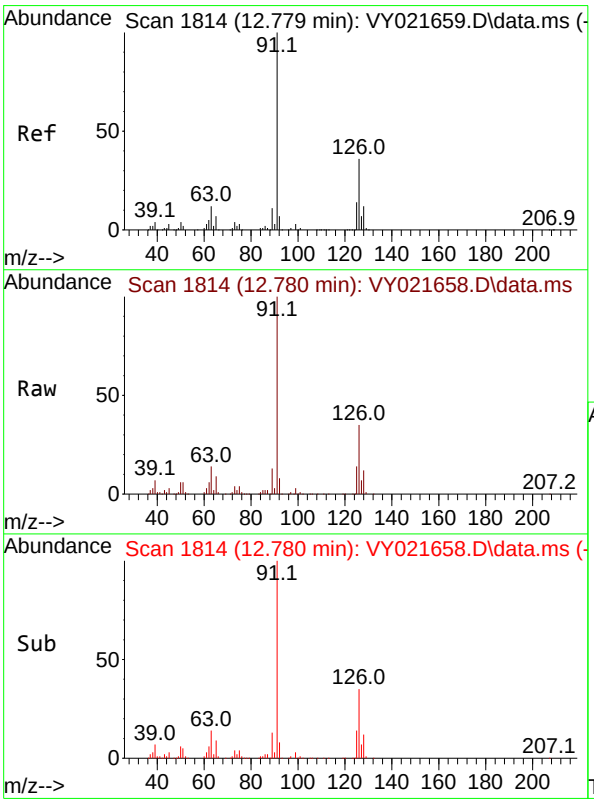
Ion	Ratio	Lower	Upper
75	100		
53	98.6	76.1	114.1
89	44.2	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

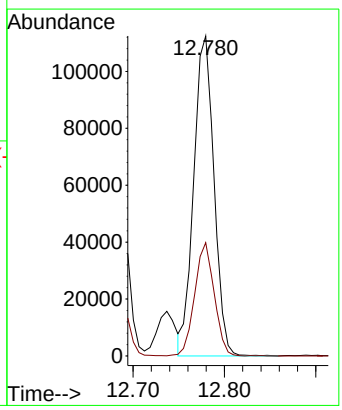


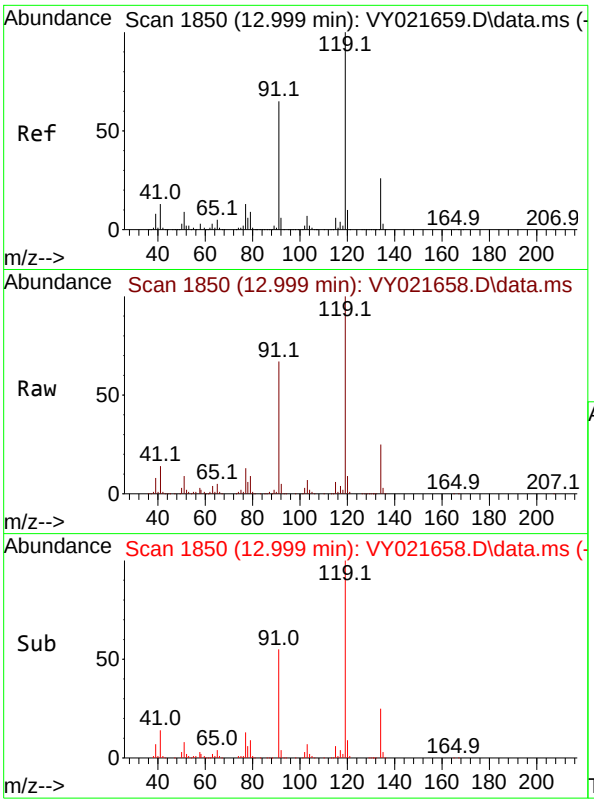


#82
4-Chlorotoluene
Concen: 19.593 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 173311

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

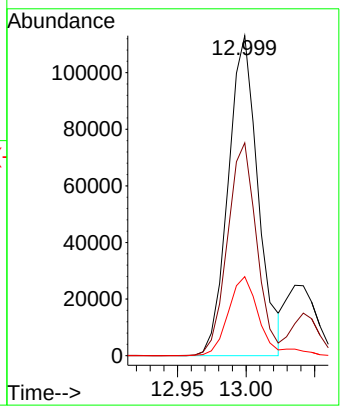




#83
tert-Butylbenzene
Concen: 19.357 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:119 Resp: 17121

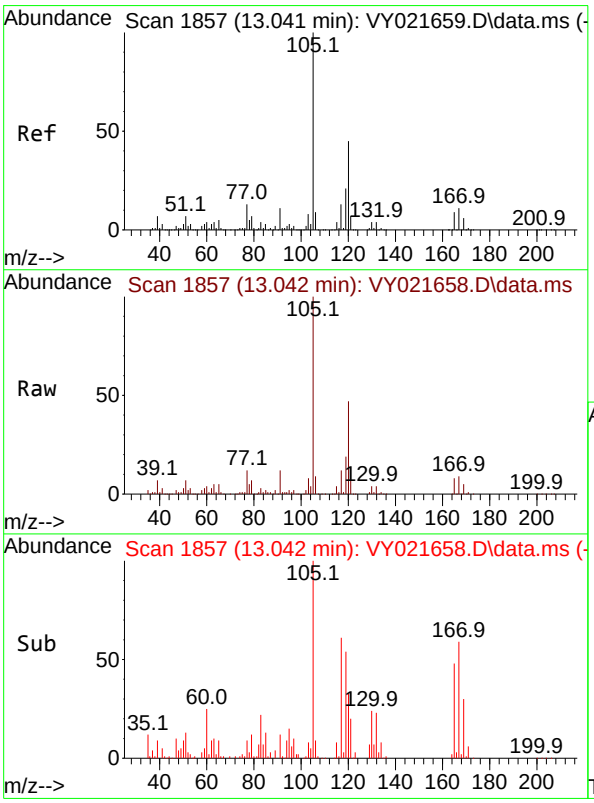
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.1	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

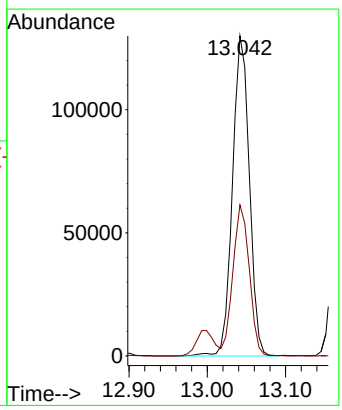
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

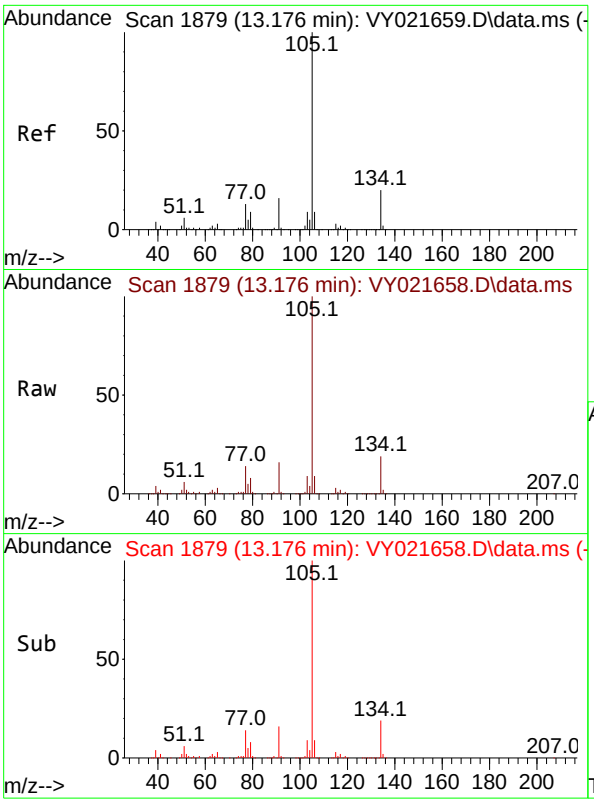


#84
1,2,4-Trimethylbenzene
Concen: 19.734 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 193683

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.7	68.1

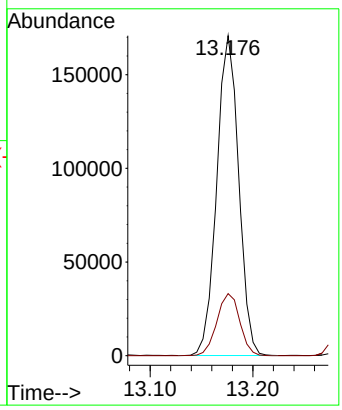




#85
sec-Butylbenzene
Concen: 19.540 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 25257

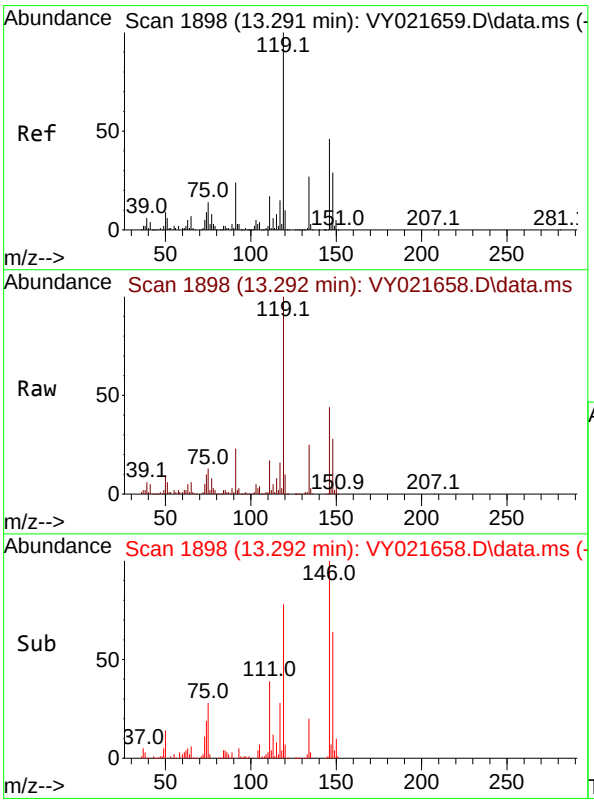
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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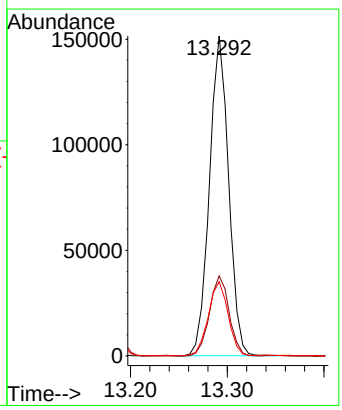
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

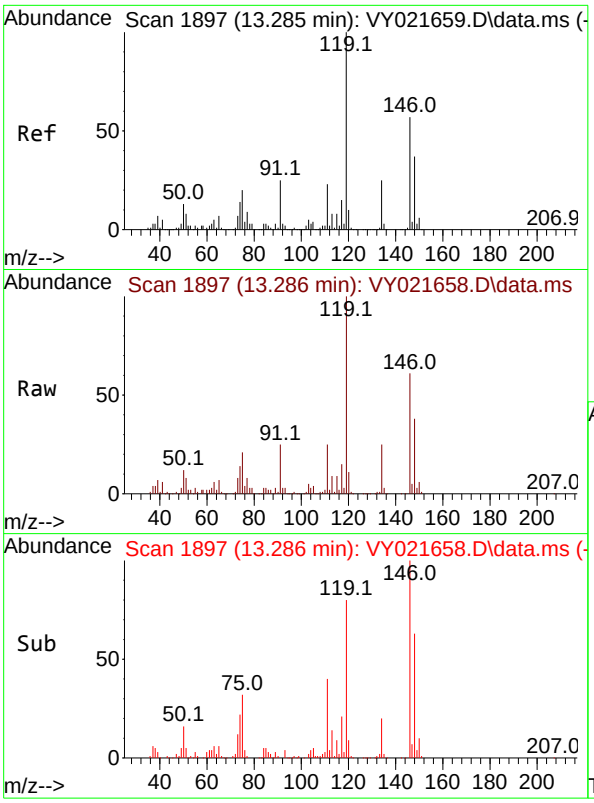


#86
p-Isopropyltoluene
Concen: 19.567 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:119 Resp: 209041

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.2	39.5
91	23.9	12.0	36.0

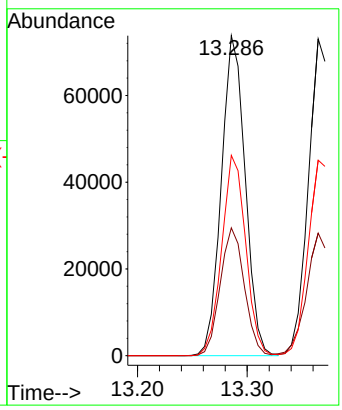




#87
1,3-Dichlorobenzene
Concen: 19.431 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:146 Resp: 11168

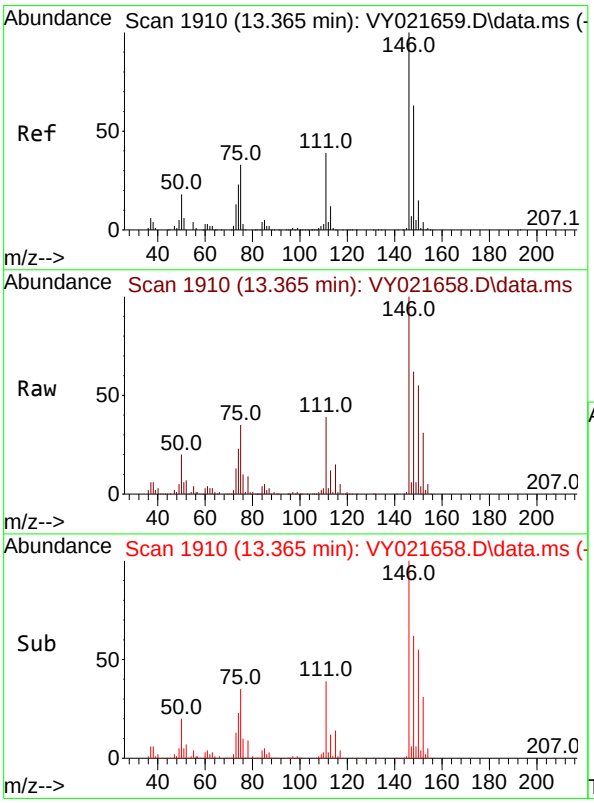
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	63.0	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

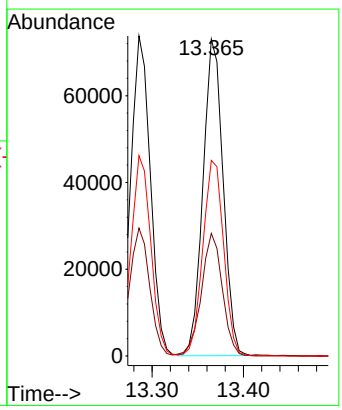
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

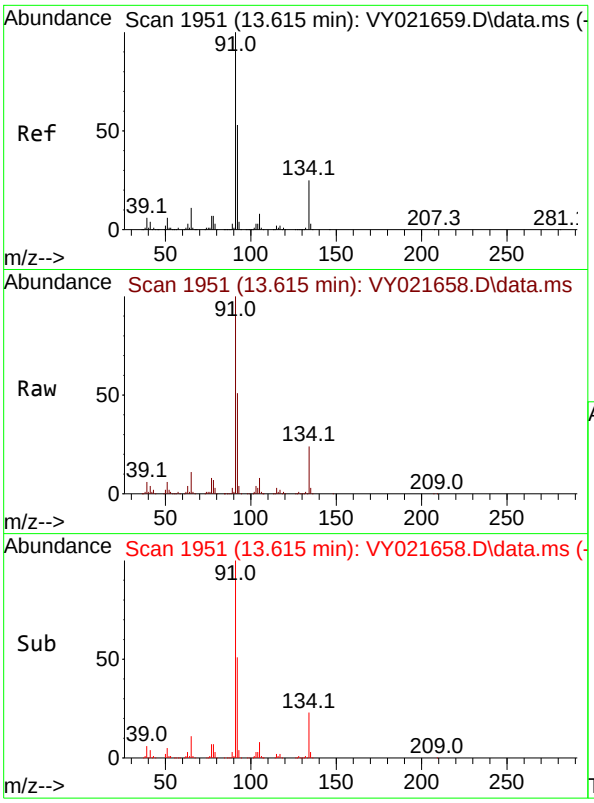


#88
1,4-Dichlorobenzene
Concen: 19.636 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:146 Resp: 111508

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.1
148	63.9	31.5	94.5

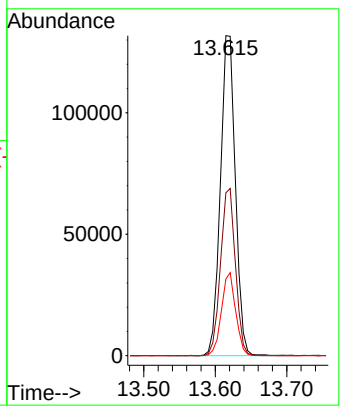




#89
n-Butylbenzene
Concen: 19.416 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 19183

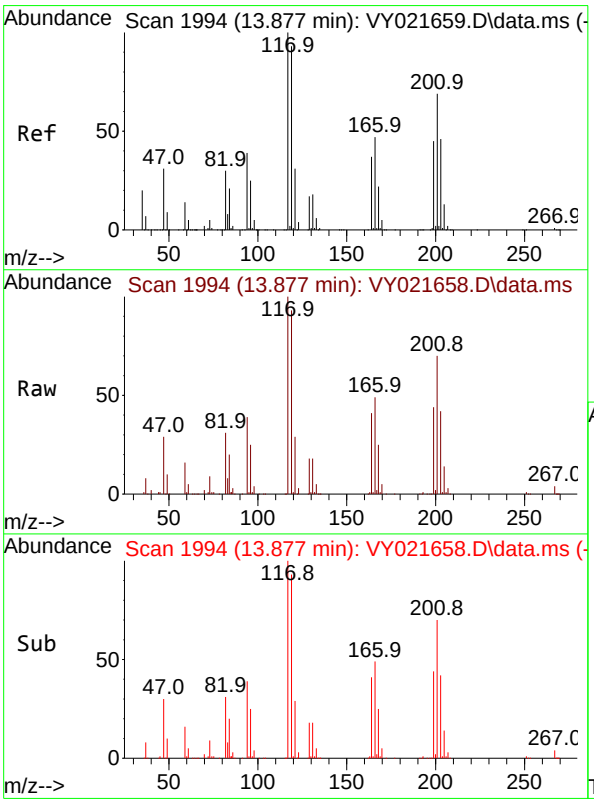
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	24.6	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

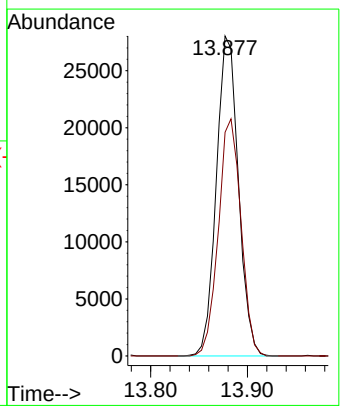
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

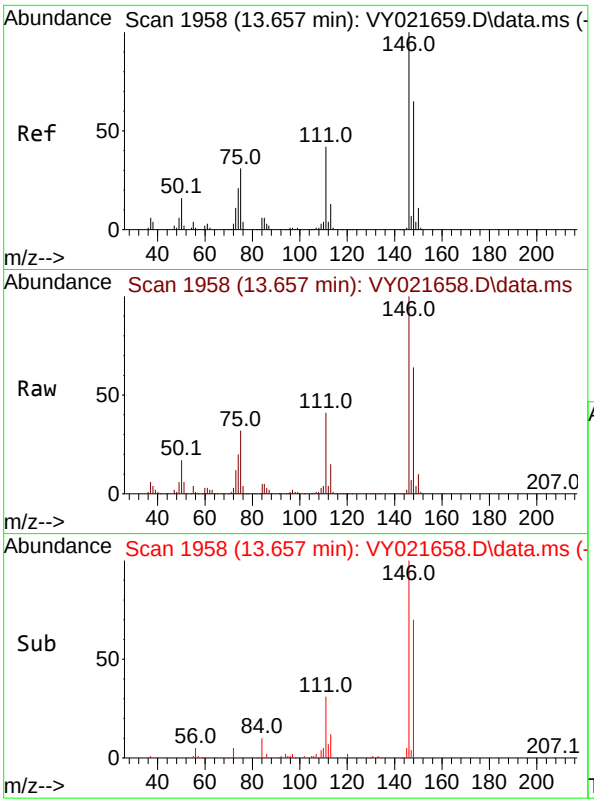


#90
Hexachloroethane
Concen: 18.928 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 44313

Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.4	112.1

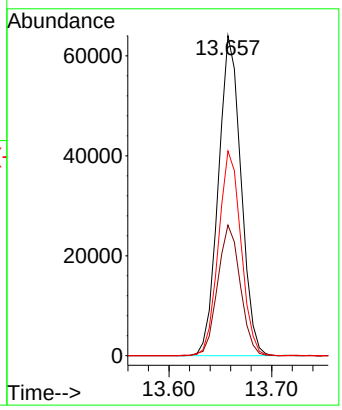




#91
1,2-Dichlorobenzene
Concen: 19.569 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:146 Resp: 9791

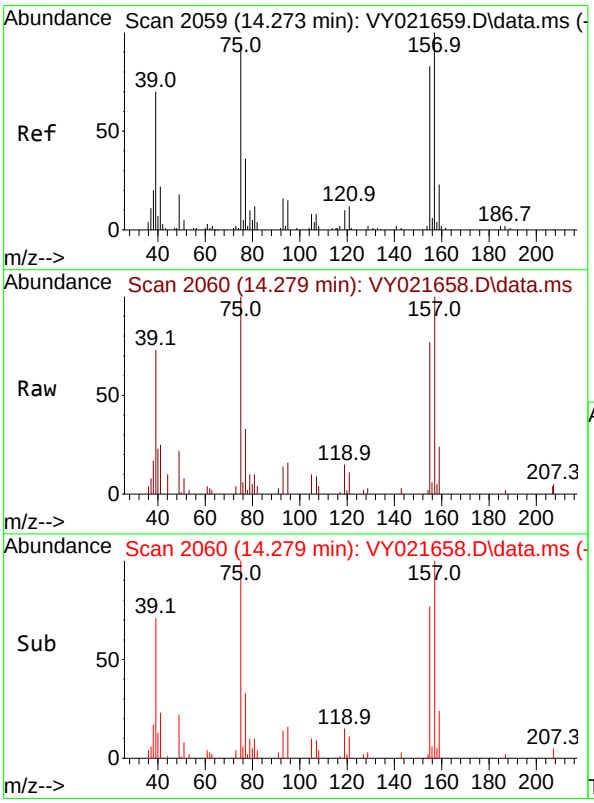
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

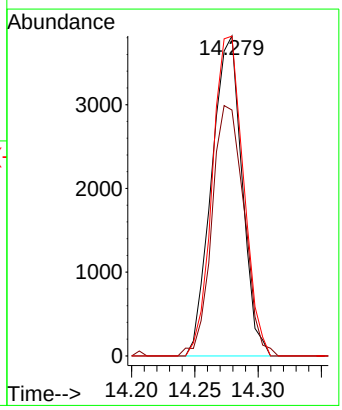
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

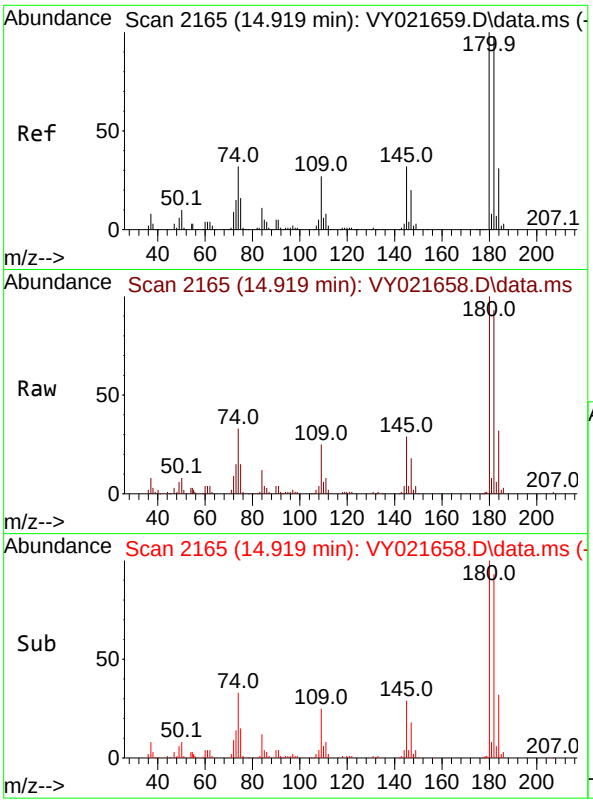


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.811 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6369

Ion	Ratio	Lower	Upper
75	100		
155	82.7	43.0	128.8
157	102.0	54.0	162.0

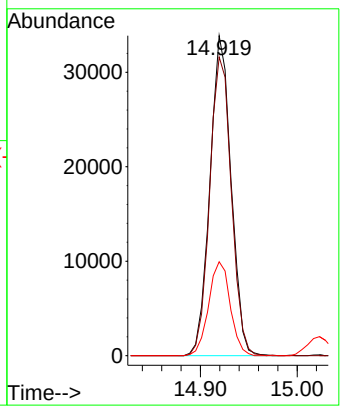




#93
1,2,4-Trichlorobenzene
Concen: 18.971 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:180 Resp: 5147

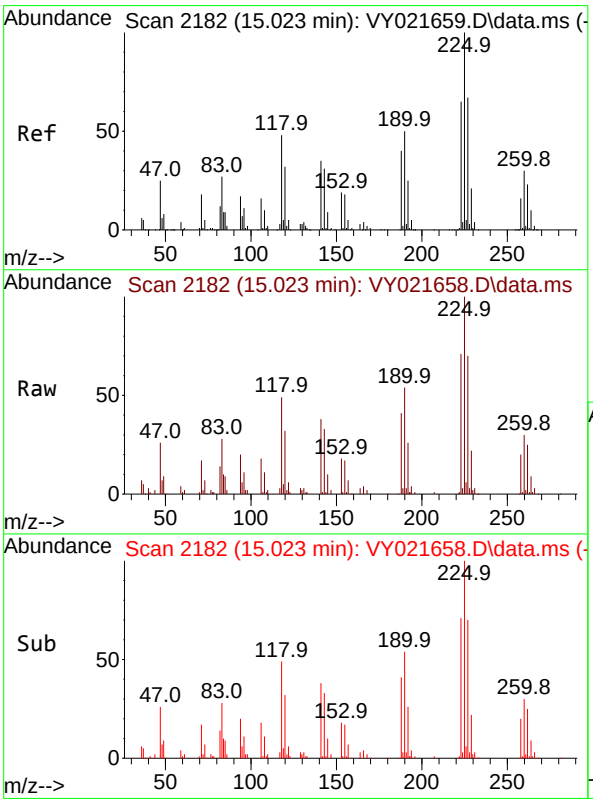
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	30.0	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

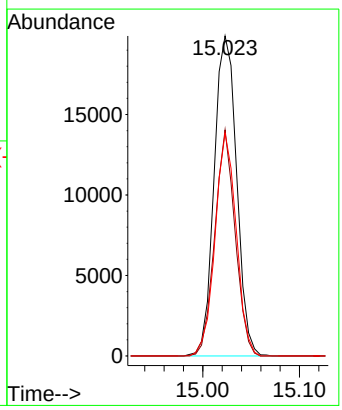
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

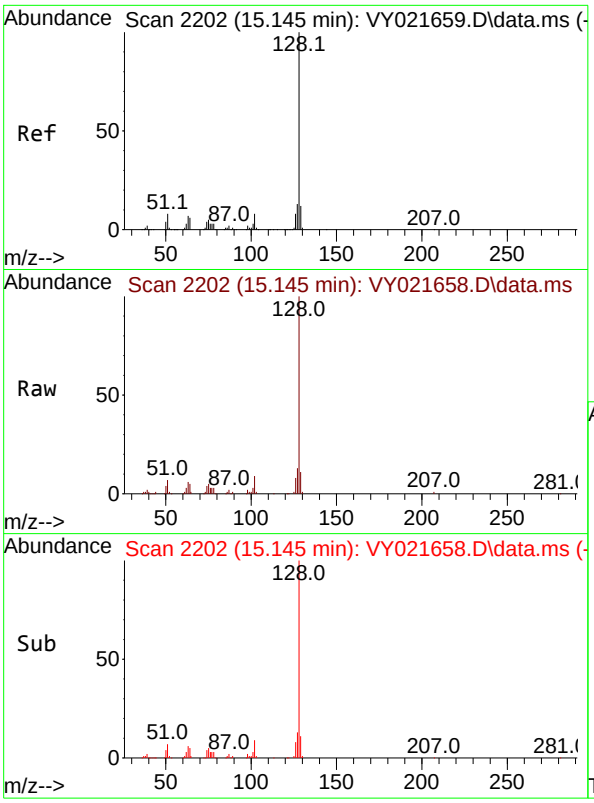


#94
Hexachlorobutadiene
Concen: 18.916 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:225 Resp: 32055

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	65.5	32.4	97.0

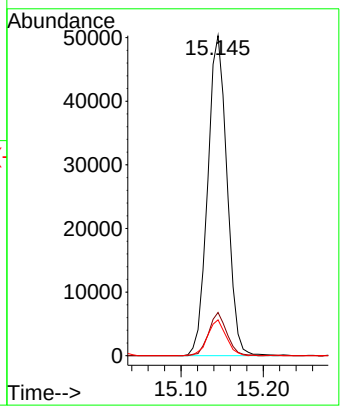




#95
Naphthalene
Concen: 18.305 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:128 Resp: 8232

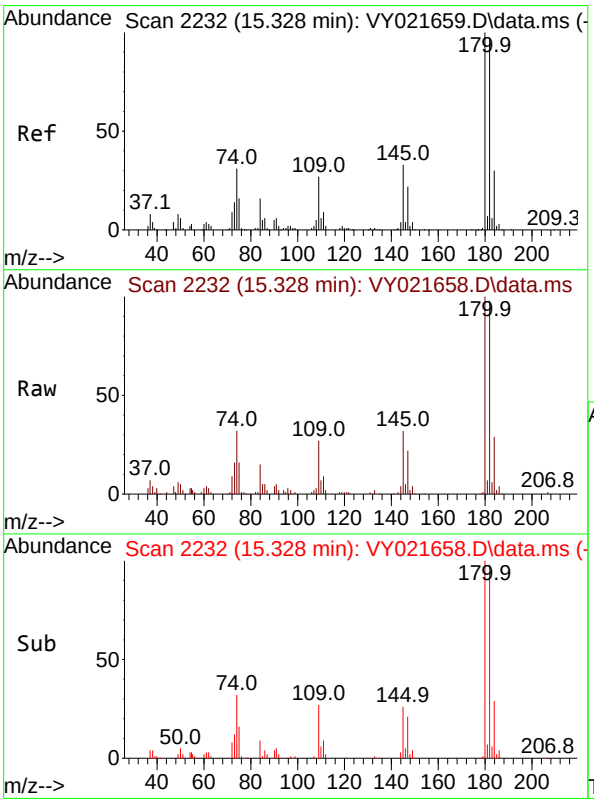
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	10.7	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

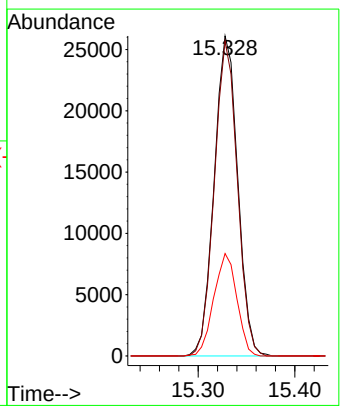
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.037 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:180 Resp: 44047

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.5
145	31.3	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	50658m	55.298	ug/l	
42) 1,2-Dichloroethane	8.158	62	155365	50.343	ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076	ug/l	100
44) Trichloroethene	8.865	130	138449	49.637	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395	ug/l	100
46) Dibromomethane	9.231	93	73435	49.174	ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237	ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902	ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893	ug/l	100
52) Toluene	10.170	92	351715	51.496	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254	ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643	ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012	ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067	ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288	ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602	ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188	ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634	ug/l	100
69) o-Xylene	11.956	106	243359	53.135	ug/l	100
70) Styrene	11.969	104	406215	53.195	ug/l	100
71) Bromoform	12.133	173	78206	51.140	ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505	ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	83656m	50.257	ug/l	
77) Bromobenzene	12.529	156	149323	49.864	ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702	ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550	ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995	ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248	ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820	ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147	ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544	ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935	ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642	ug/l	100
95) Naphthalene	15.145	128	253209	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

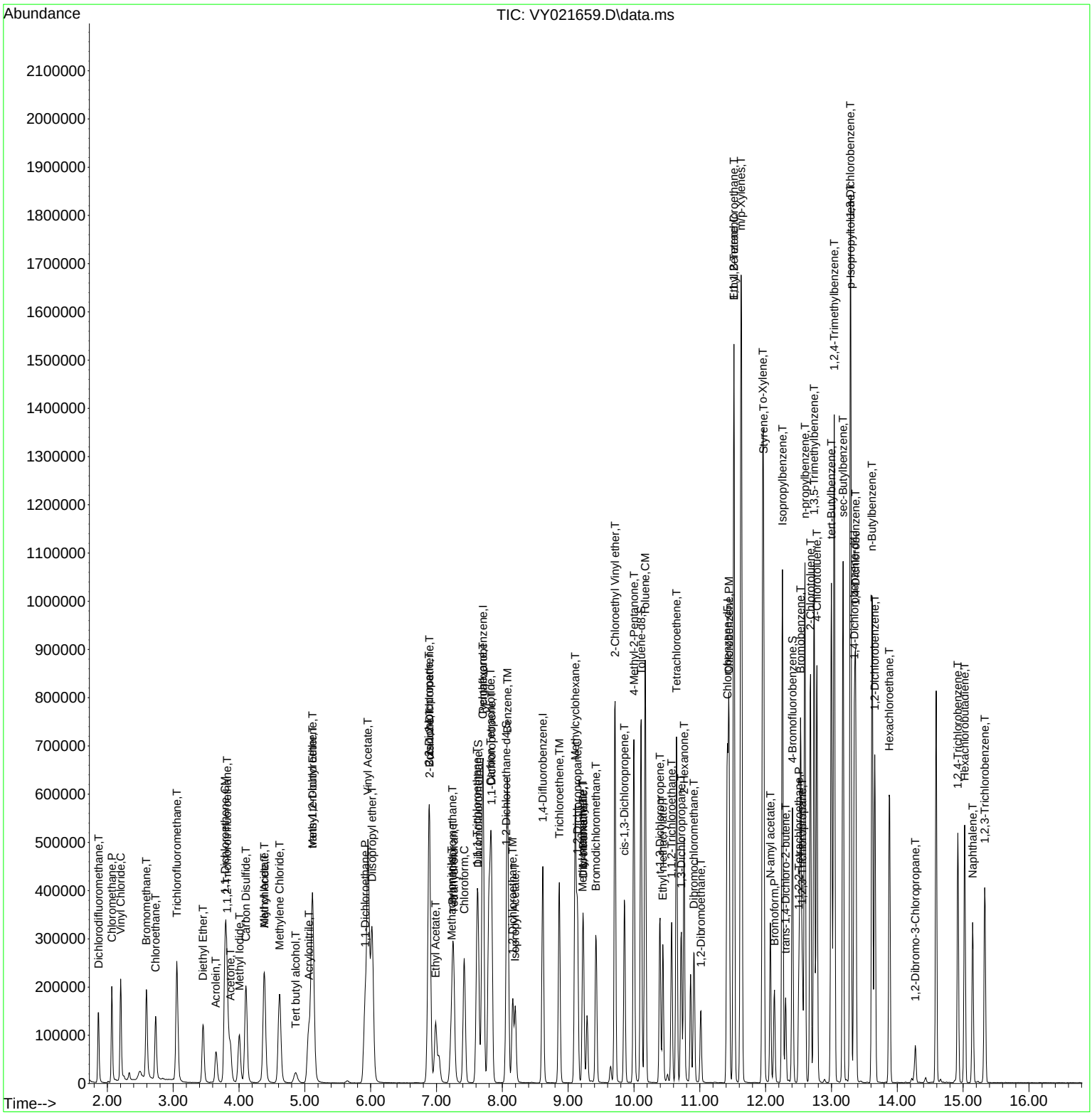
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Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

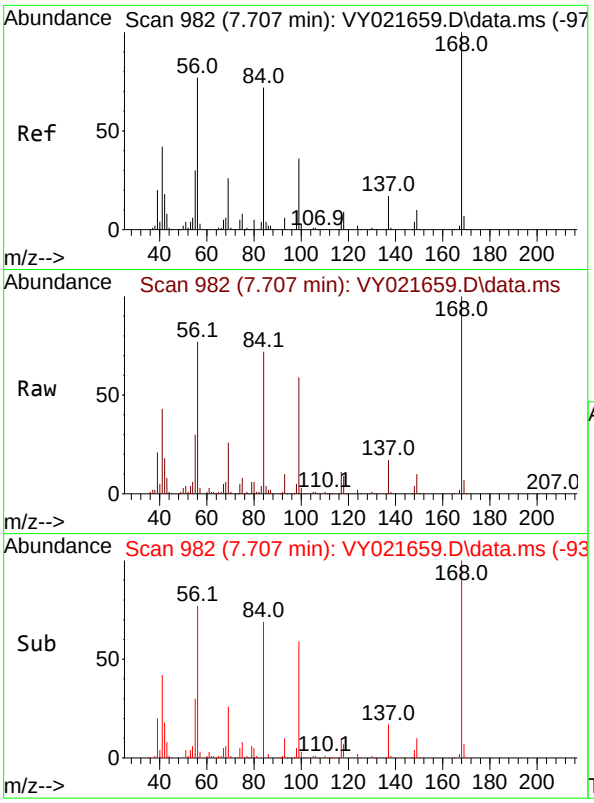
Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

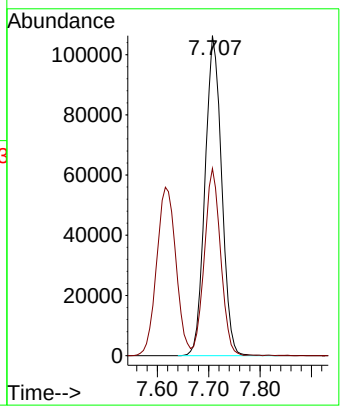




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:168 Resp: 23823

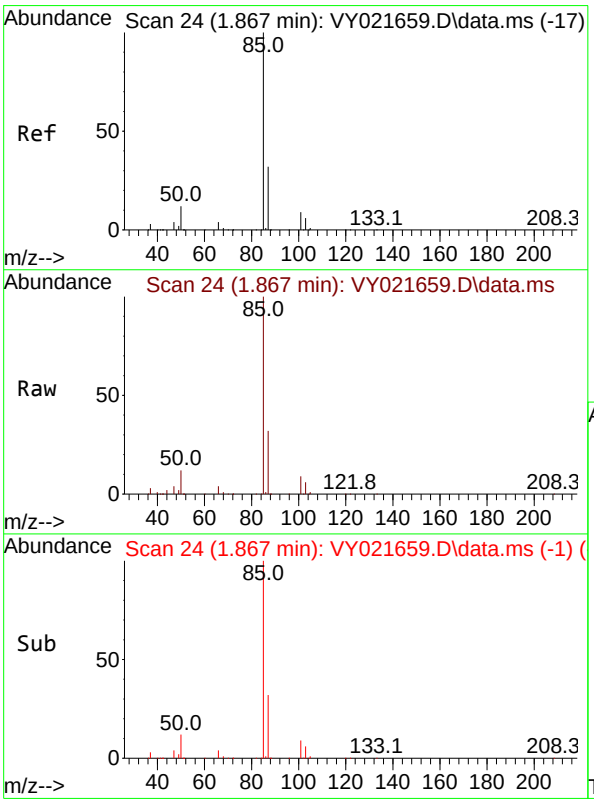
Ion	Ratio	Lower	Upper
168	100		
99	58.4	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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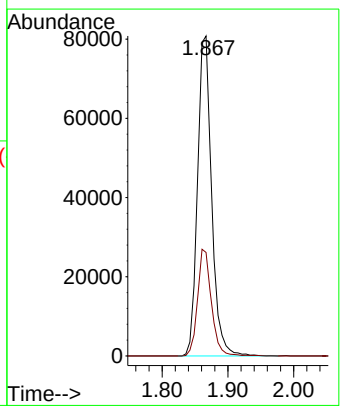
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

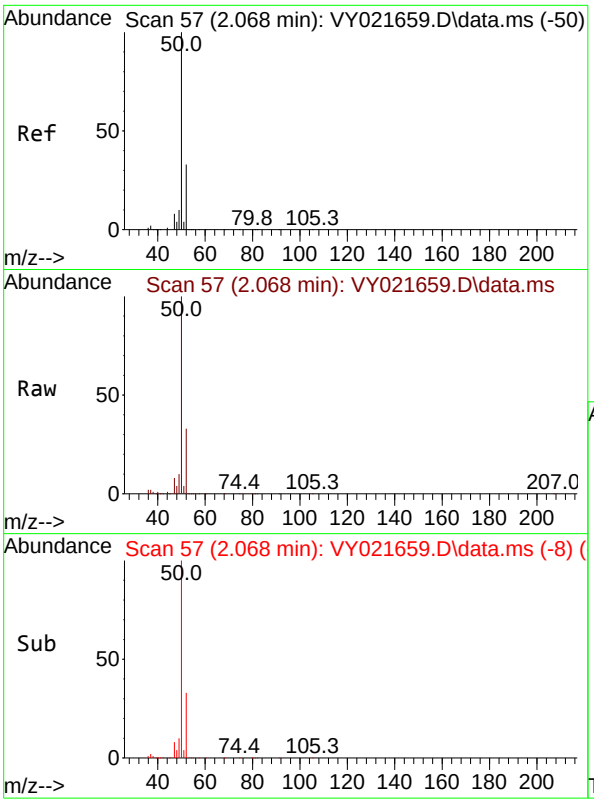


#2
Dichlorodifluoromethane
Concen: 48.836 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 85 Resp: 120589

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6





#3
Chloromethane
Concen: 47.510 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

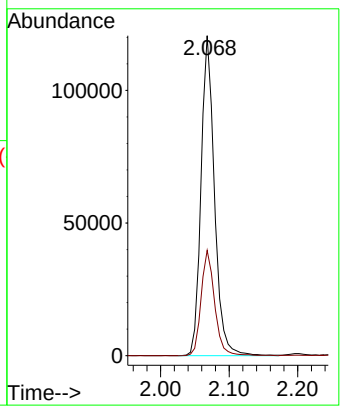
Tgt Ion: 50 Resp: 16496

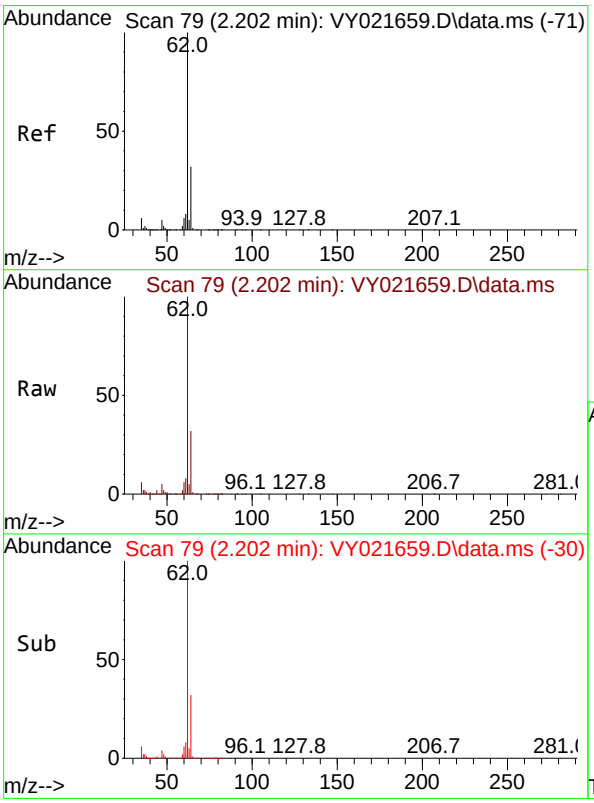
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.3	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

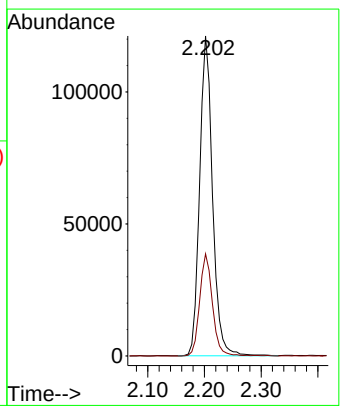


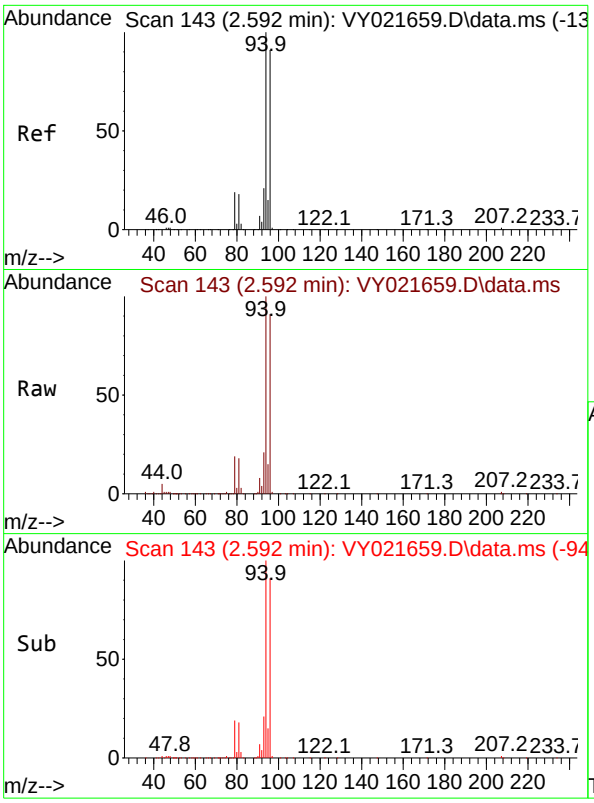


#4
Vinyl Chloride
Concen: 48.513 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 190491

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

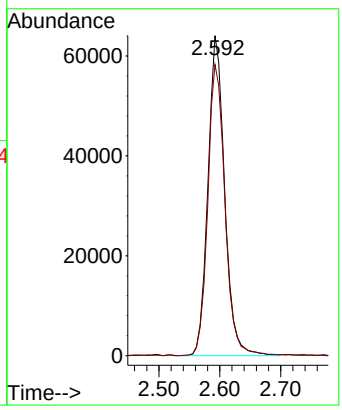




#5
Bromomethane
Concen: 45.662 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 94 Resp: 12228

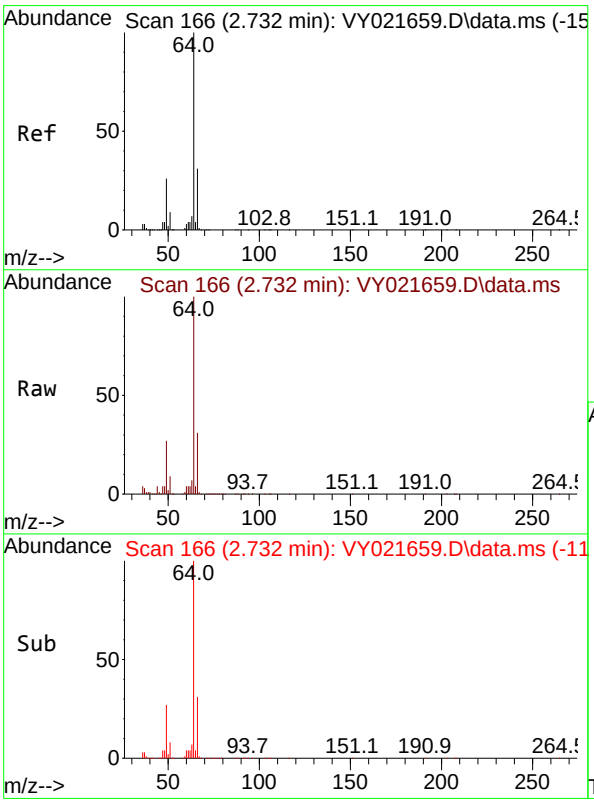
Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

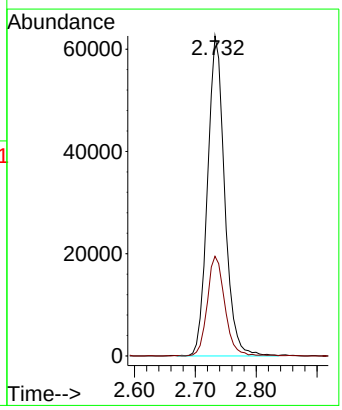
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

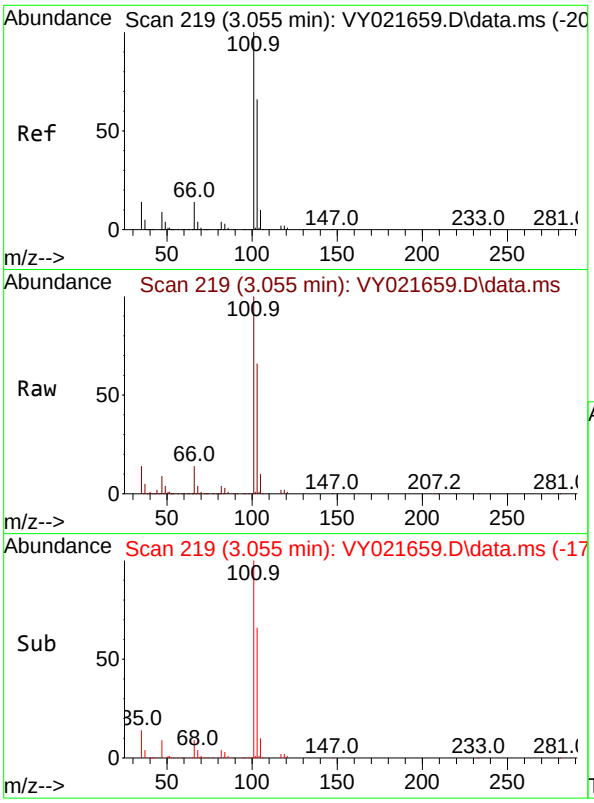


#6
Chloroethane
Concen: 47.492 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 64 Resp: 122027

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.9	37.3

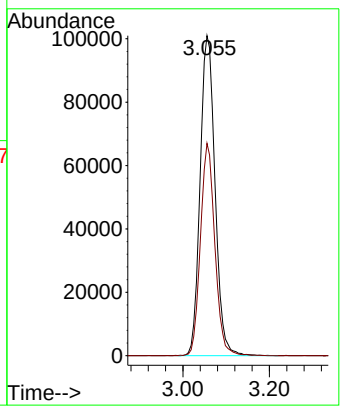




#7
Trichlorofluoromethane
Concen: 47.980 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:101 Resp: 24133

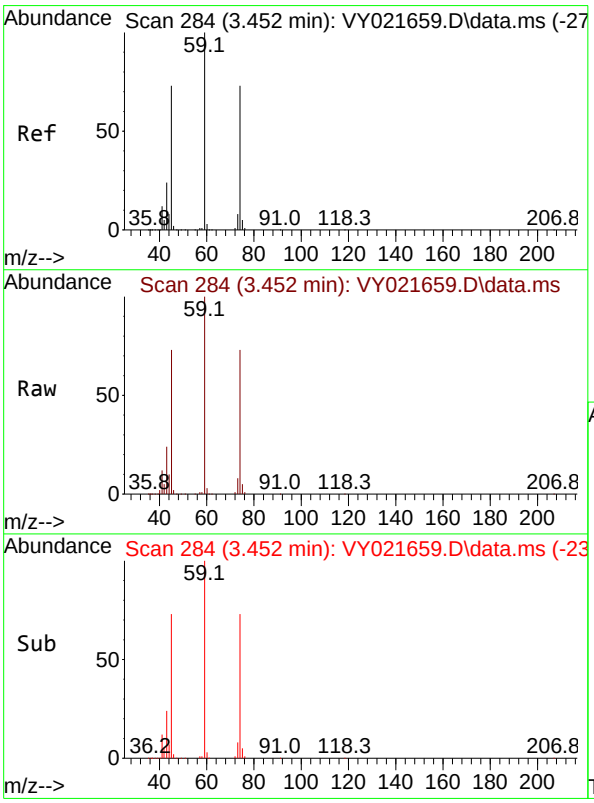
Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

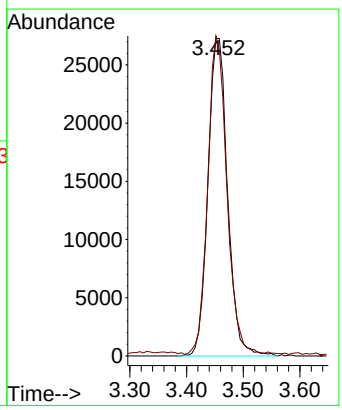
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

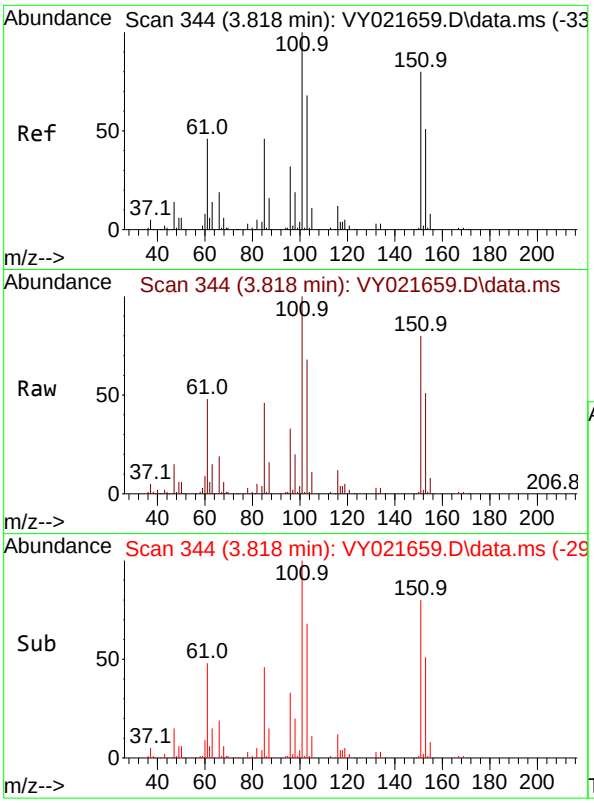


#8
Diethyl Ether
Concen: 47.960 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 74 Resp: 65605

Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8

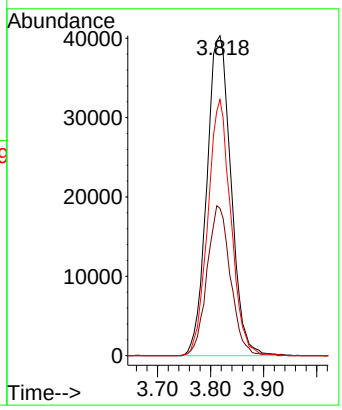




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.159 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:101 Resp: 12776

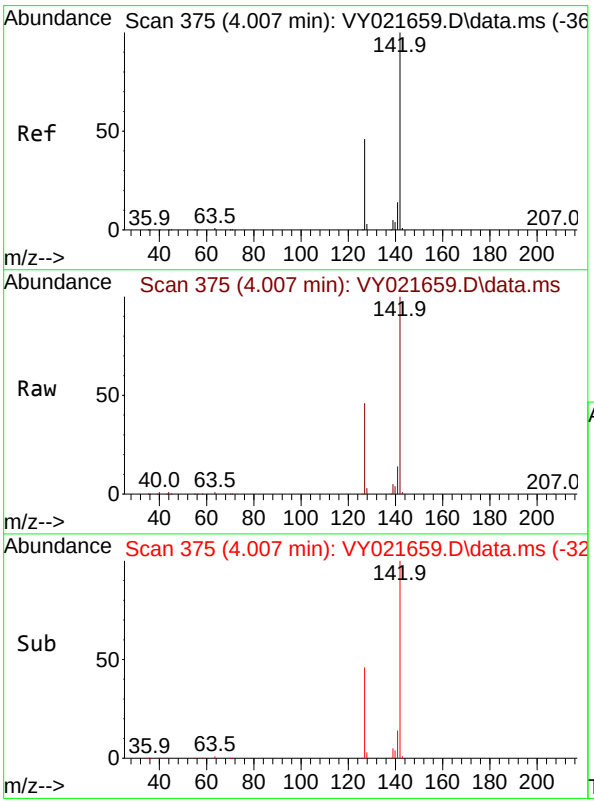
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	76.6	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

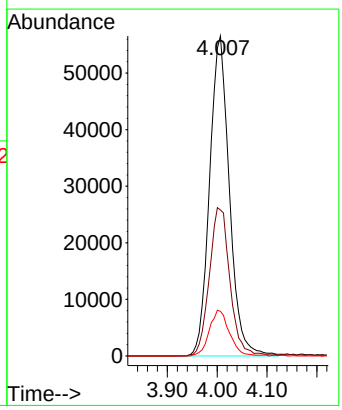
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

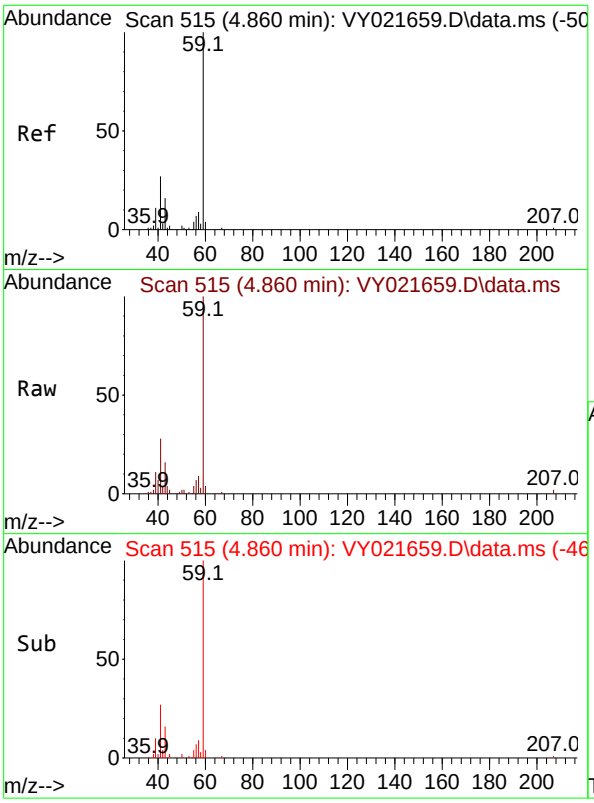


#10
Methyl Iodide
Concen: 53.639 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:142 Resp: 156113

Ion	Ratio	Lower	Upper
142	100		
127	48.4	38.7	58.1
141	14.4	11.5	17.3

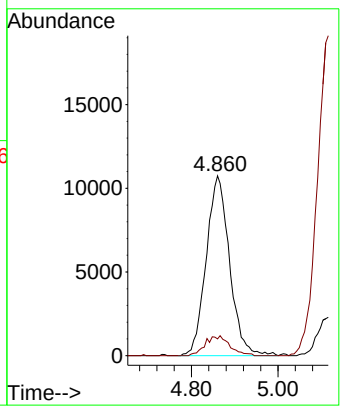




#11
Tert butyl alcohol
Concen: 240.362 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 59 Resp: 4029

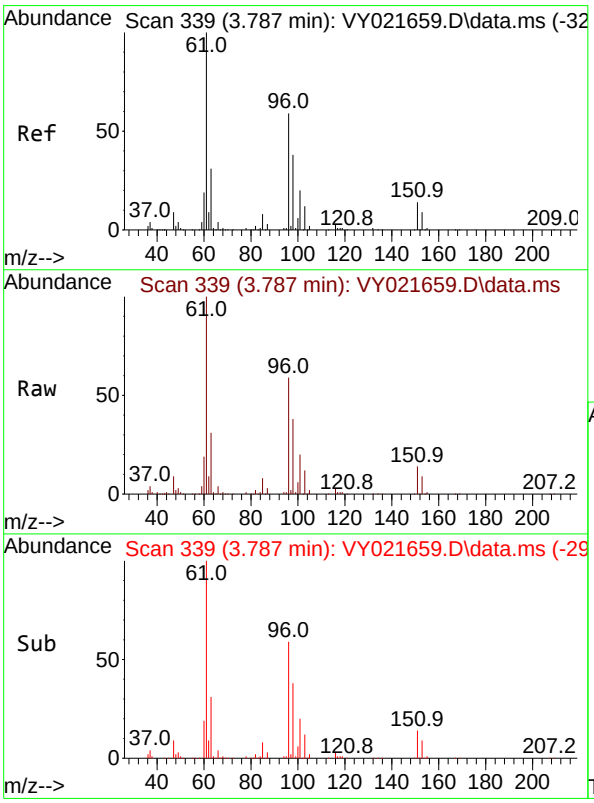
Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

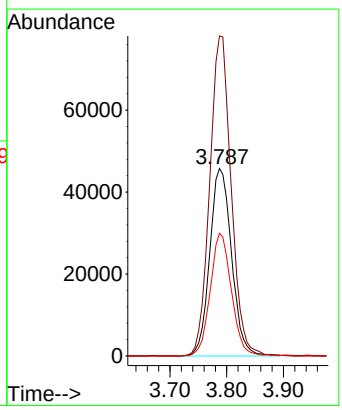
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

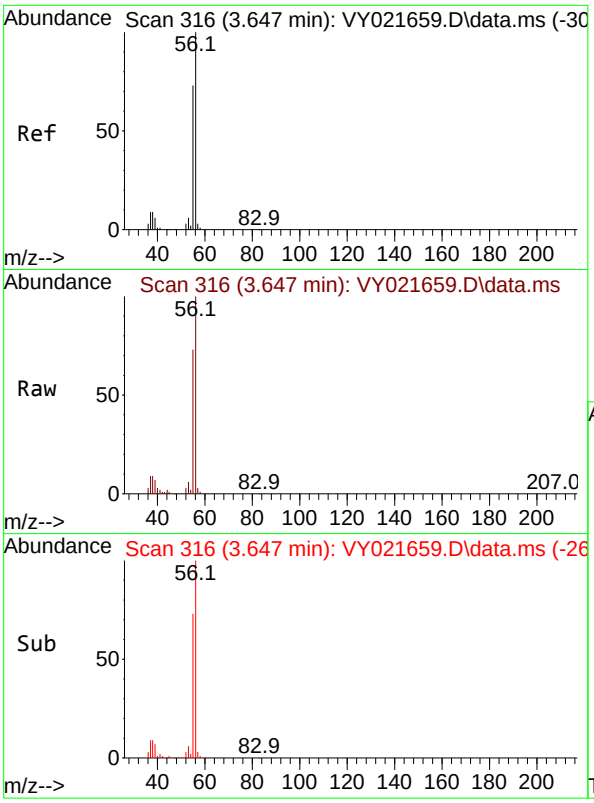


#12
1,1-Dichloroethene
Concen: 48.991 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 96 Resp: 122422

Ion	Ratio	Lower	Upper
96	100		
61	170.7	136.6	204.8
98	65.4	52.3	78.5

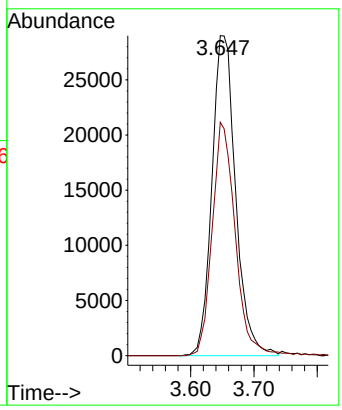




#13
Acrolein
Concen: 246.189 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 56 Resp: 7536

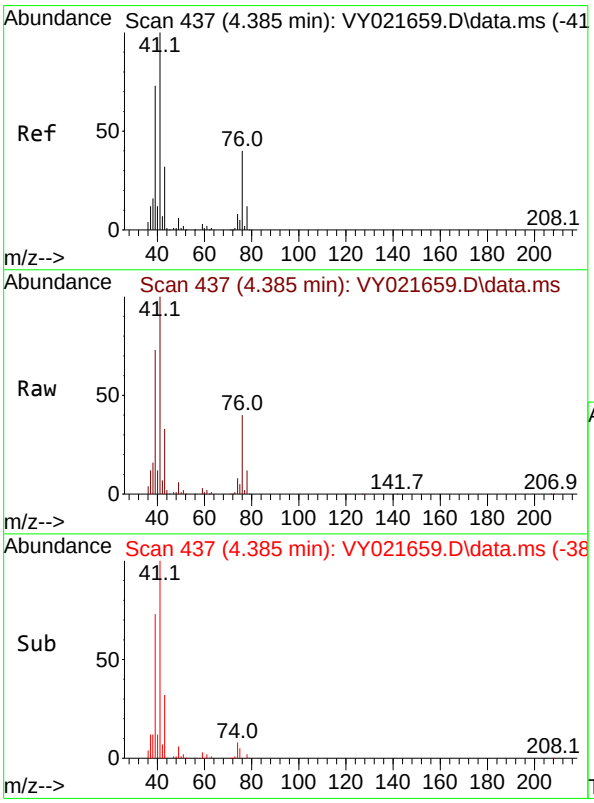
Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

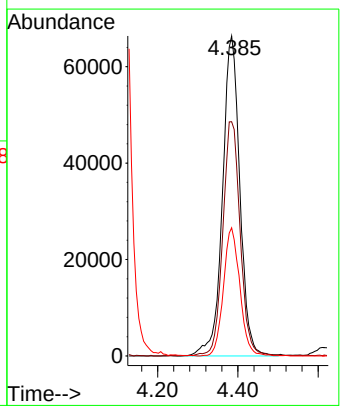
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

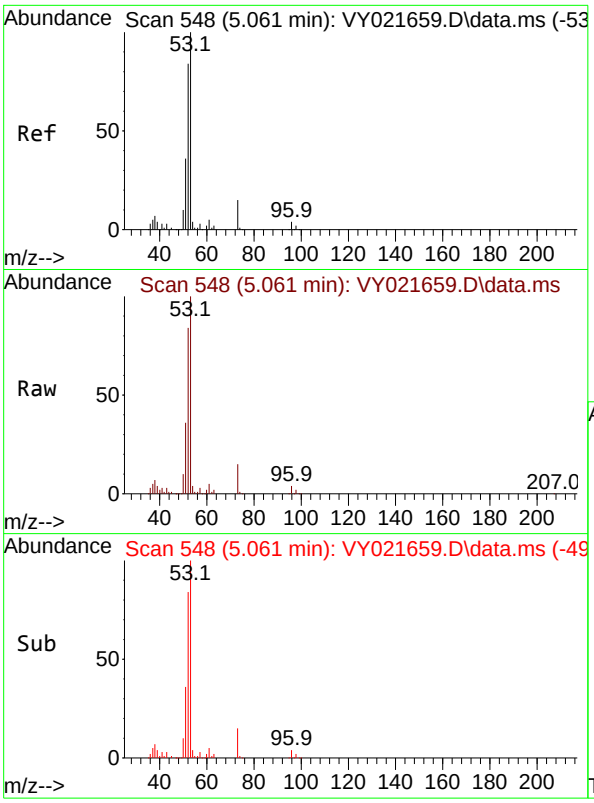


#14
Allyl chloride
Concen: 50.077 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 199515

Ion	Ratio	Lower	Upper
41	100		
39	73.3	58.6	88.0
76	37.9	30.3	45.5





#15
Acrylonitrile
Concen: 252.430 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

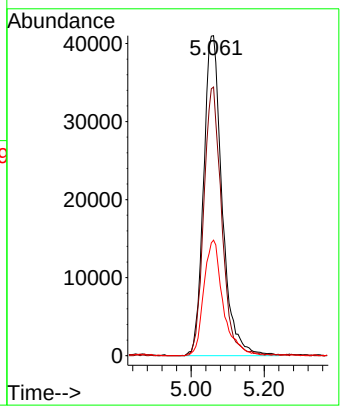
Tgt Ion: 53 Resp: 14417

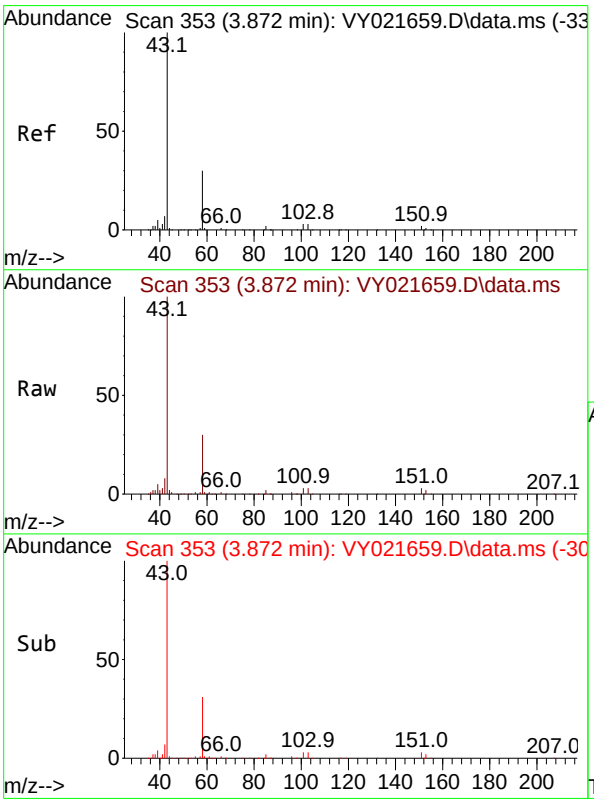
Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.9	97.3
51	37.7	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

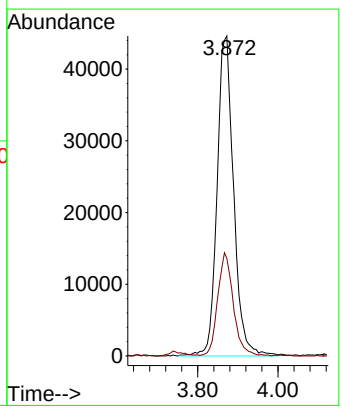


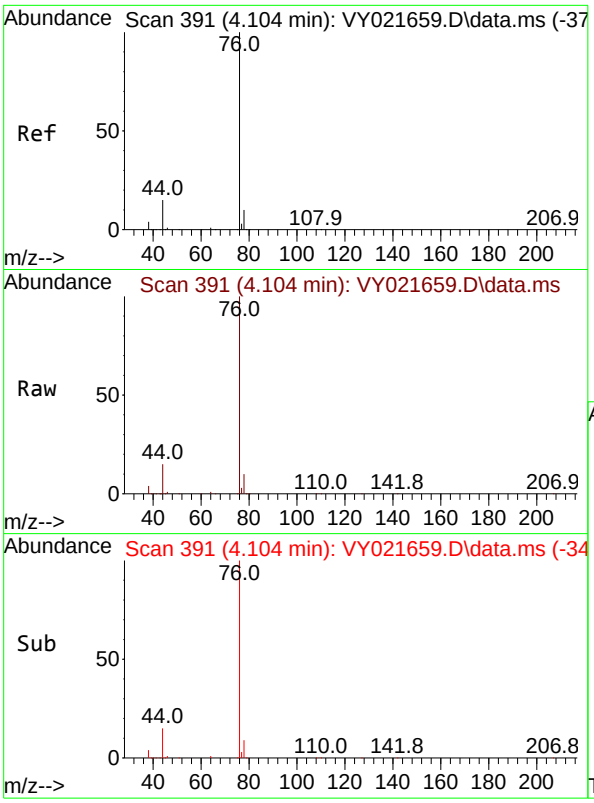


#16
Acetone
Concen: 241.737 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 127702

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17
Carbon Disulfide
Concen: 49.101 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

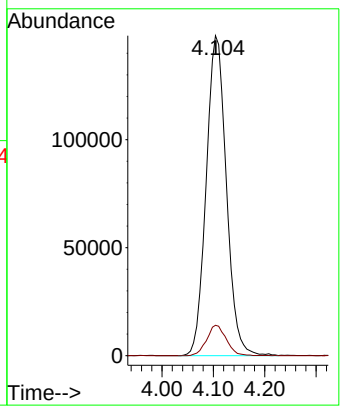
Tgt Ion: 76 Resp: 40412

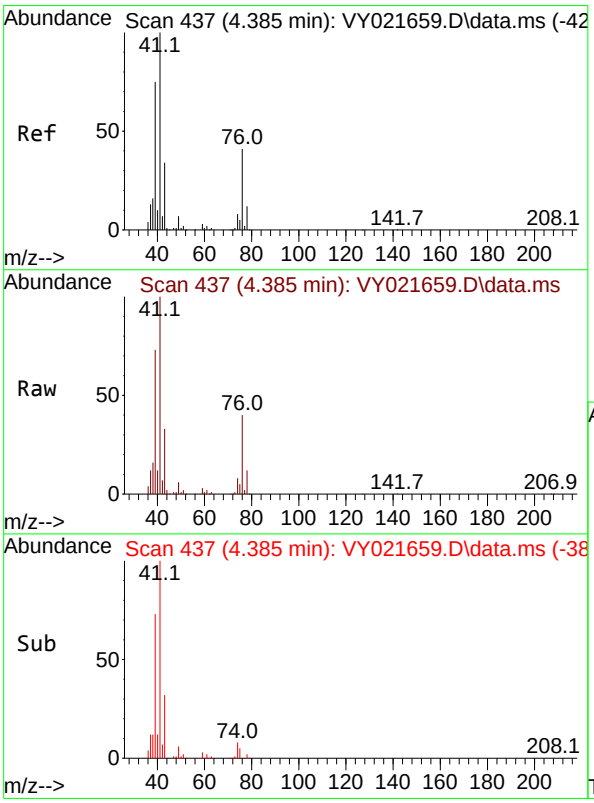
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

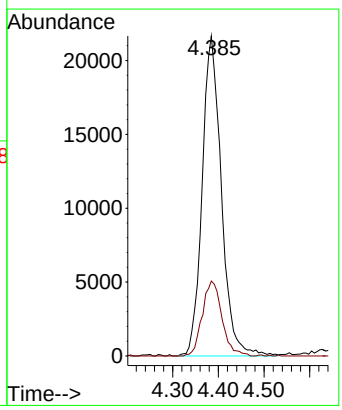


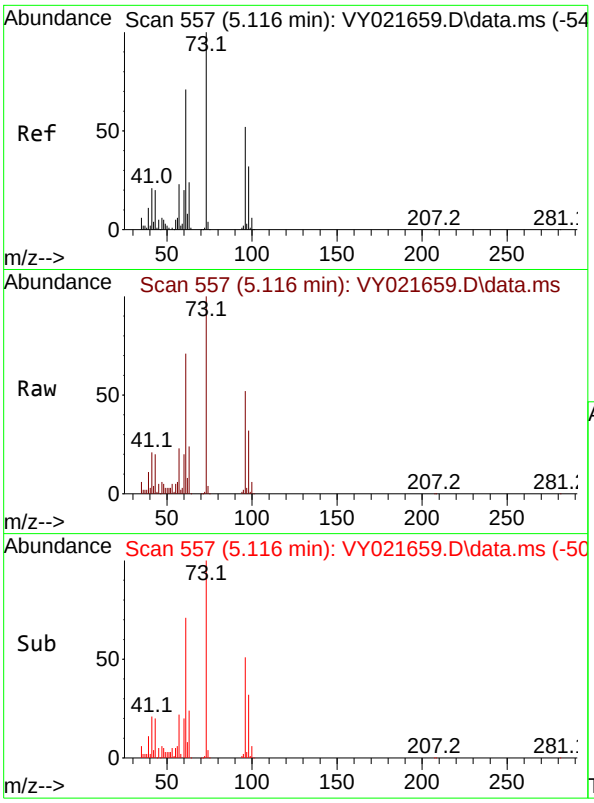


#18
Methyl Acetate
Concen: 48.309 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 63249

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7

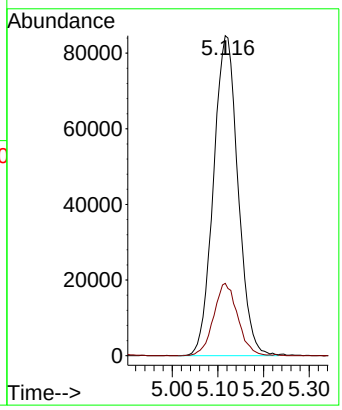




#19
Methyl tert-butyl Ether
Concen: 50.742 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 73 Resp: 31567

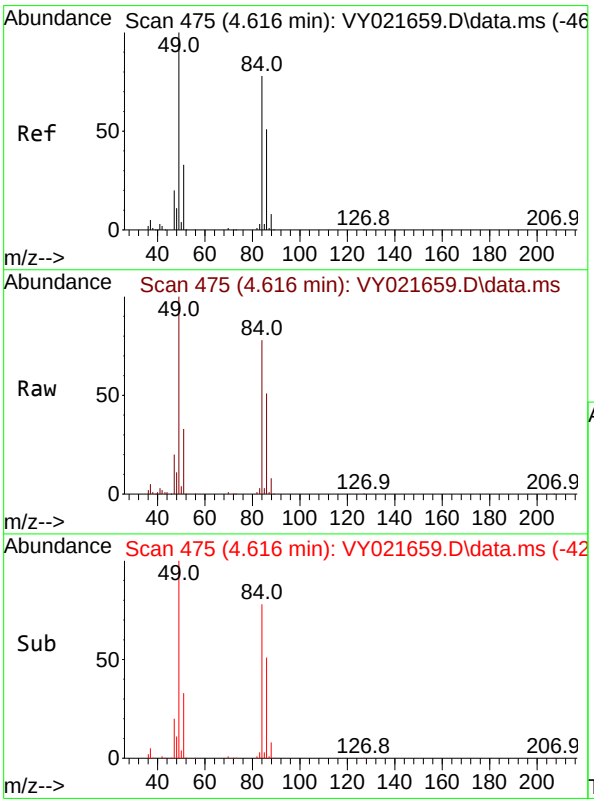
Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

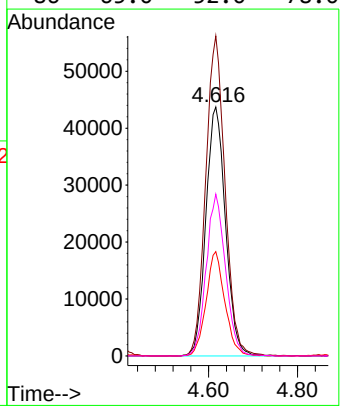
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

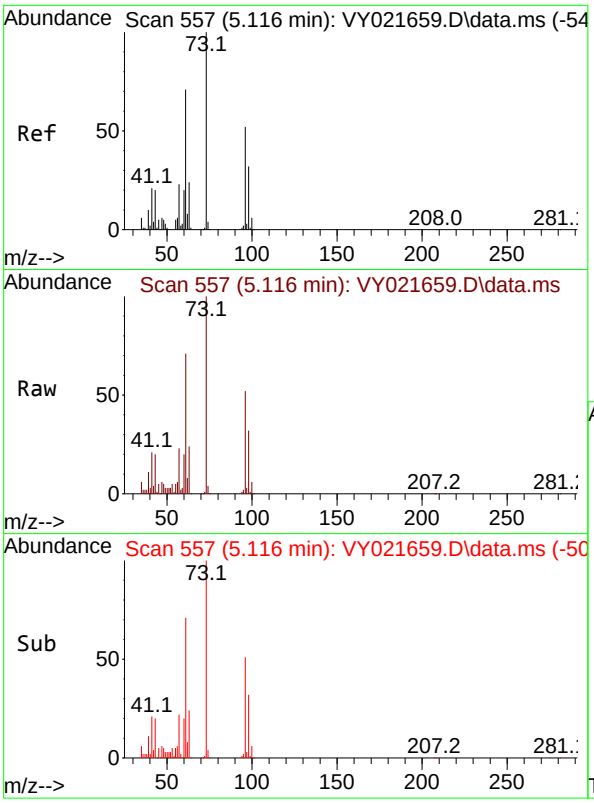


#20
Methylene Chloride
Concen: 52.136 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 84 Resp: 134344

Ion	Ratio	Lower	Upper
84	100		
49	128.5	102.8	154.2
51	41.9	33.5	50.3
86	65.0	52.0	78.0

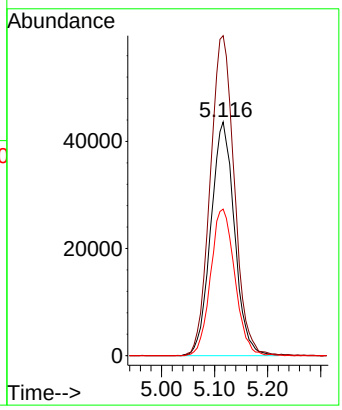




#21
trans-1,2-Dichloroethene
Concen: 49.108 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 96 Resp: 13511

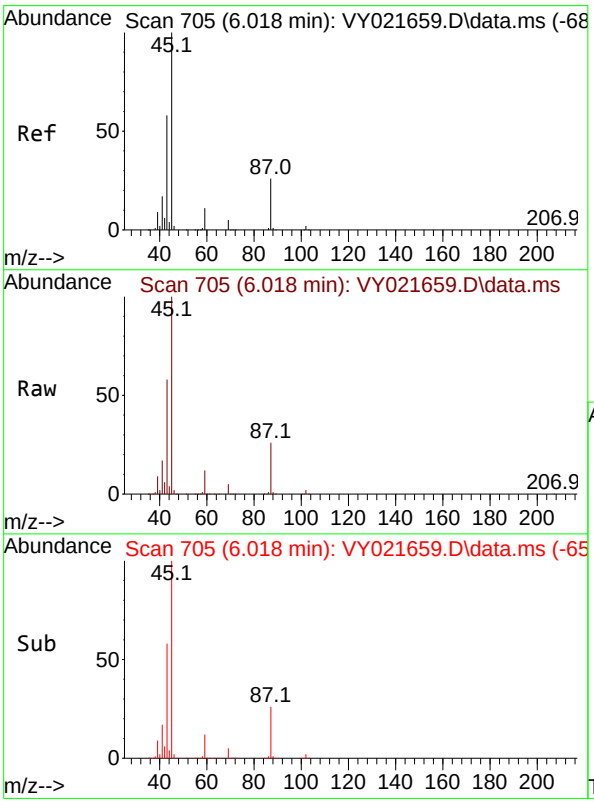
Ion	Ratio	Lower	Upper
96	100		
61	136.7	109.4	164.0
98	62.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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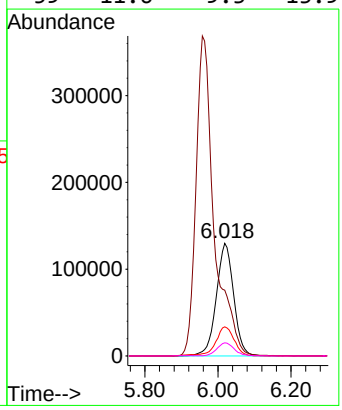
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

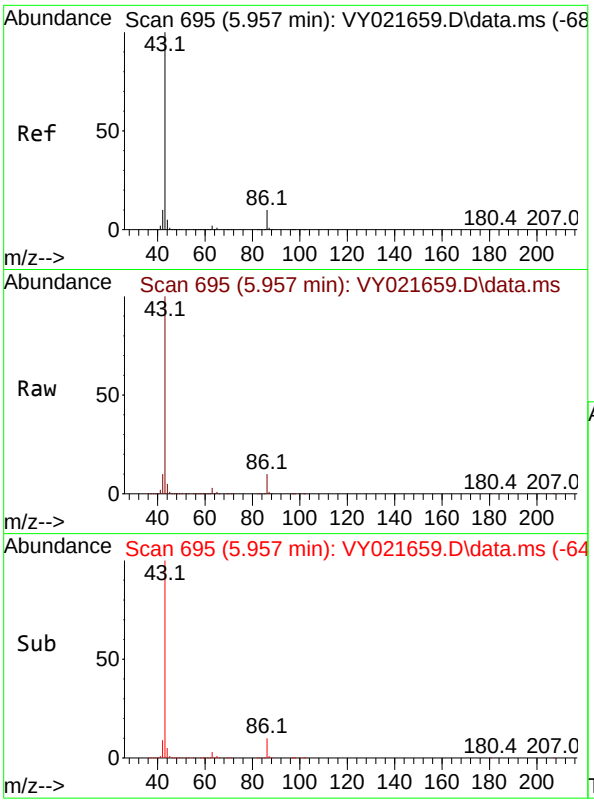


#22
Diisopropyl ether
Concen: 51.315 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 45 Resp: 428881

Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.6	69.8
87	25.9	20.7	31.1
59	11.6	9.3	13.9

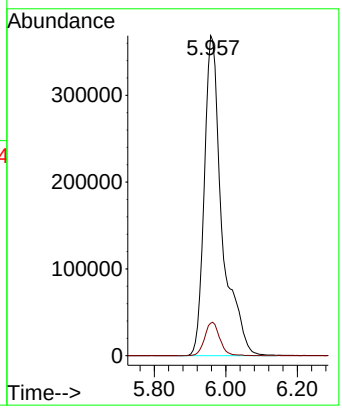




#23
Vinyl Acetate
Concen: 259.718 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 126985

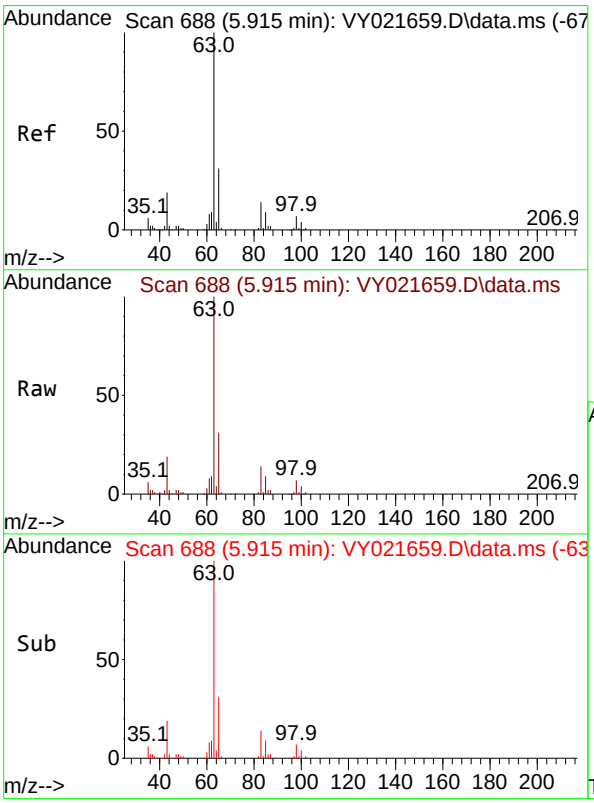
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

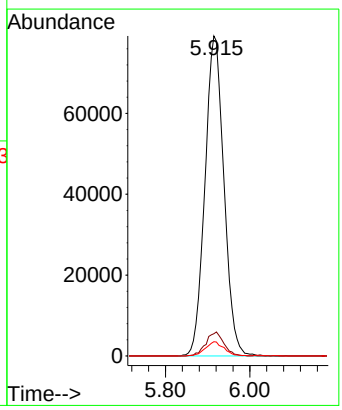
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

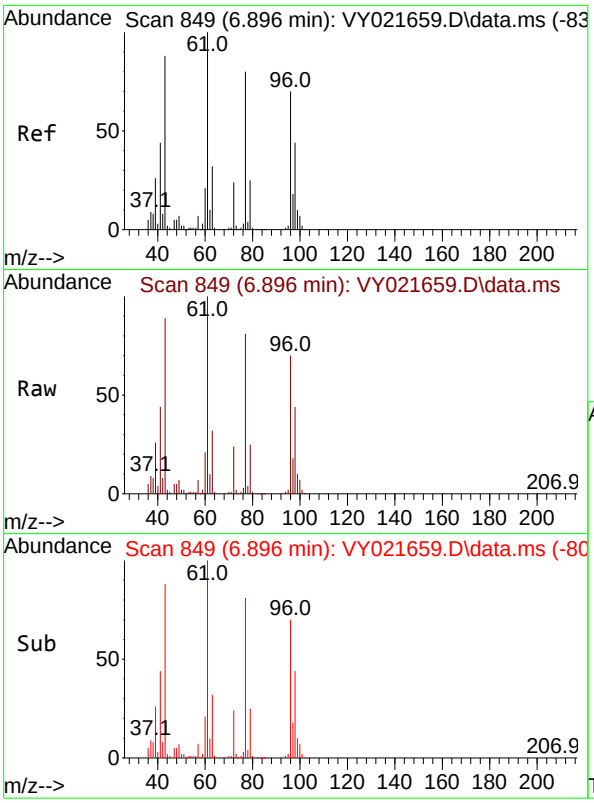


#24
1,1-Dichloroethane
Concen: 49.589 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 247826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.4	2.2	6.6





#25
2-Butanone
Concen: 251.037 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

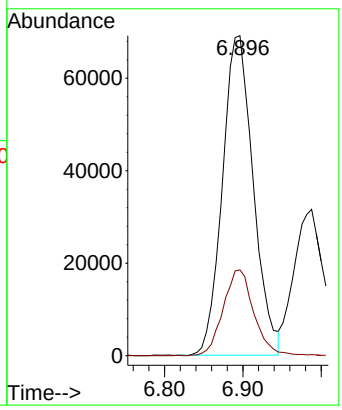
Tgt Ion: 43 Resp: 18941

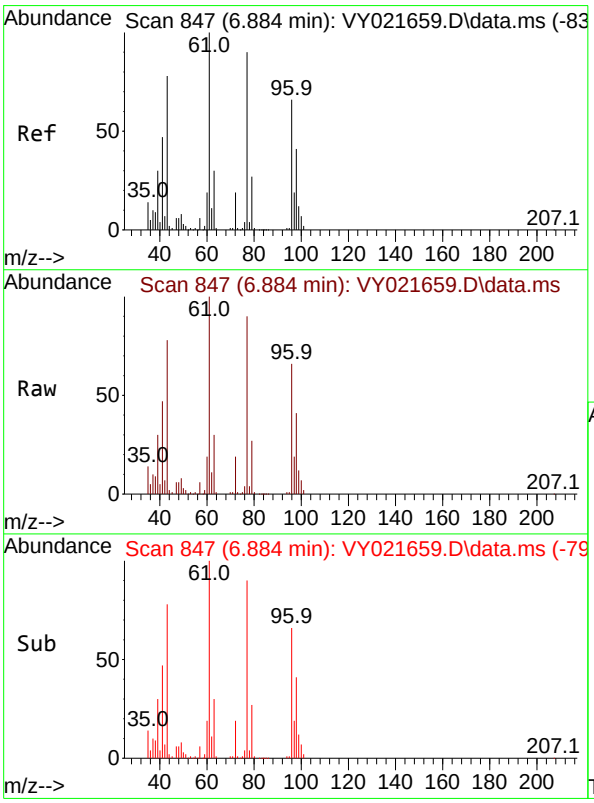
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

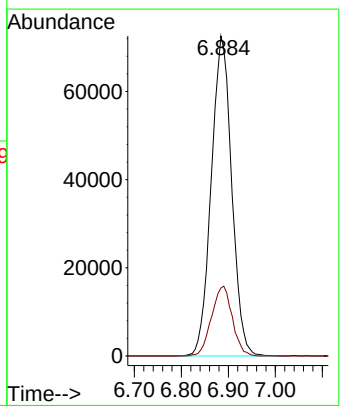


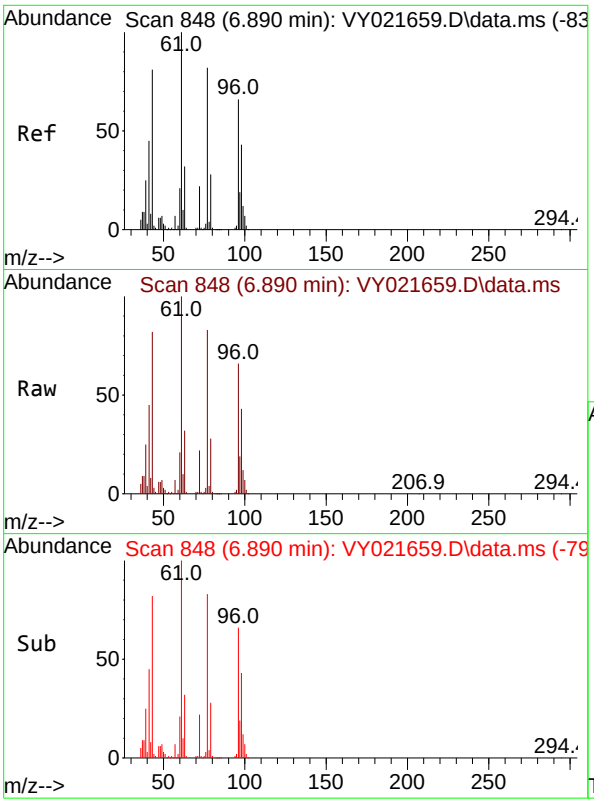


#26
2,2-Dichloropropane
Concen: 49.293 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 77 Resp: 219131

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 50.214 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

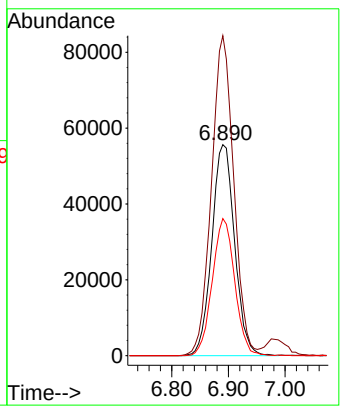
Tgt Ion: 96 Resp: 15536

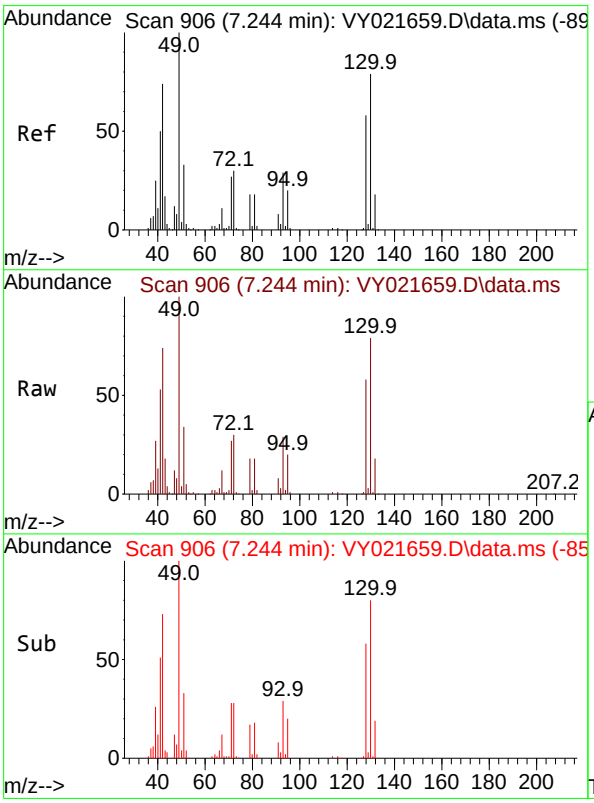
Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	296.4
98	64.0	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

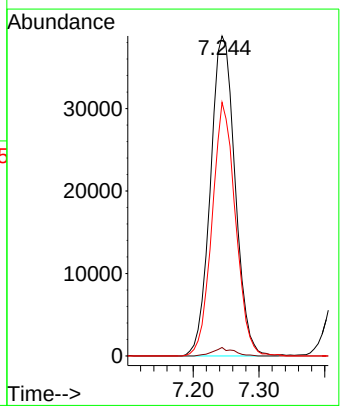


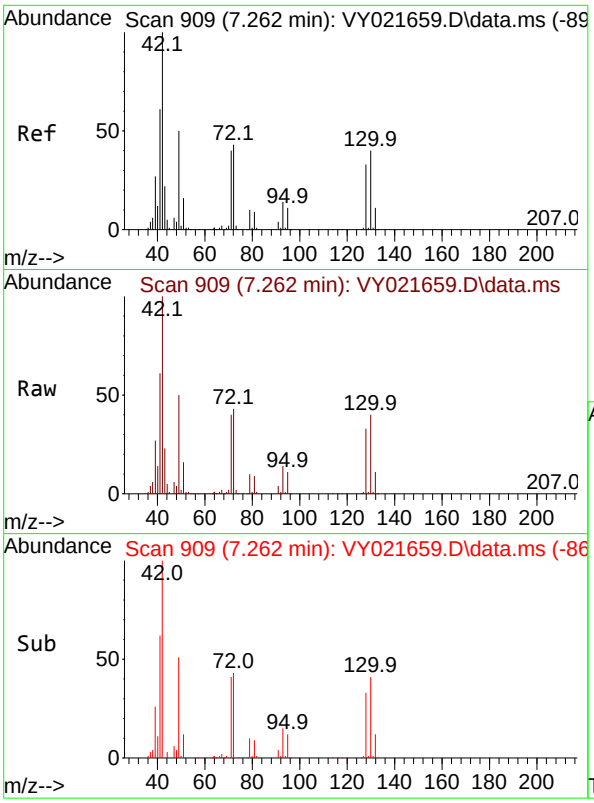


#28
Bromochloromethane
Concen: 48.116 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 49 Resp: 101413

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.1	60.1	90.1

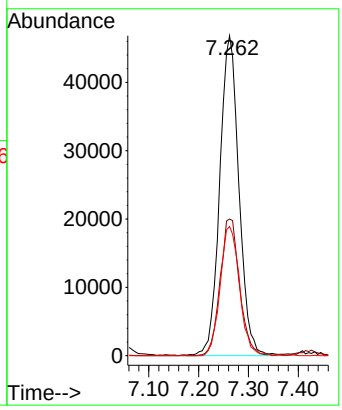




#29
Tetrahydrofuran
Concen: 258.206 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 42 Resp: 12538

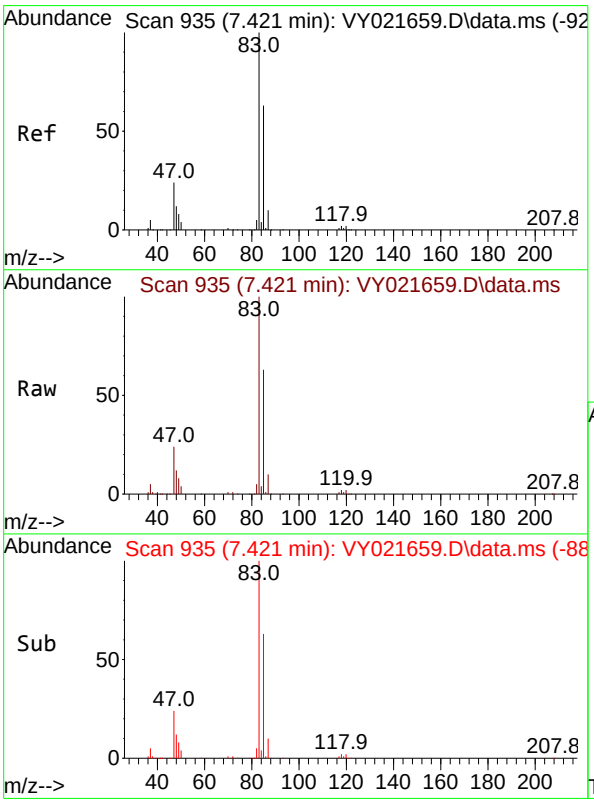
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.6	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

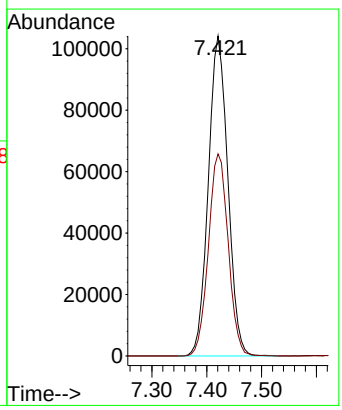
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

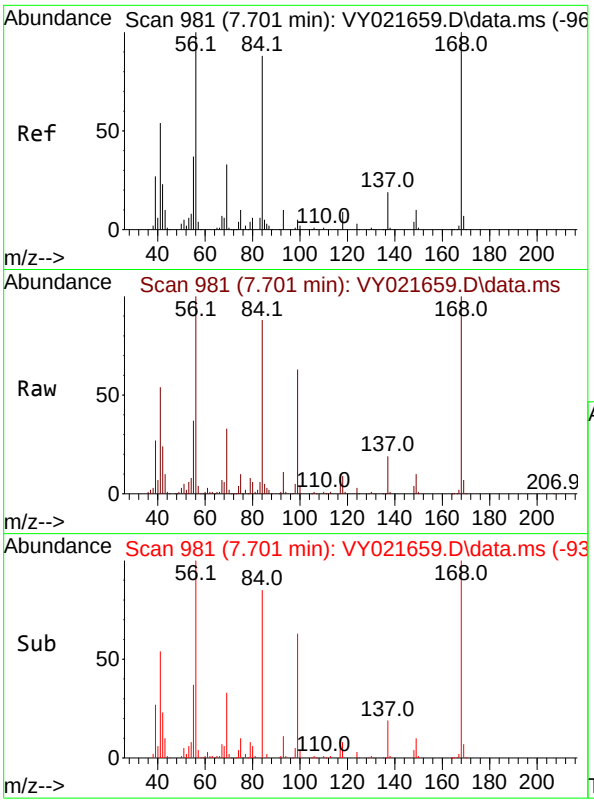


#30
Chloroform
Concen: 49.541 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 83 Resp: 257511

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8

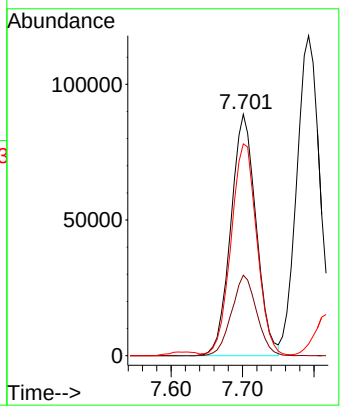




#31
Cyclohexane
Concen: 48.004 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 56 Resp: 21868

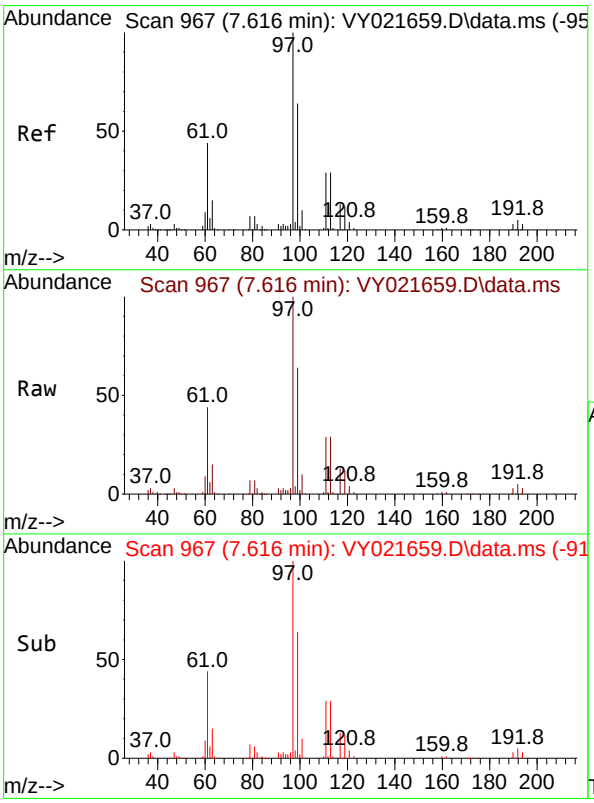
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	86.2	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

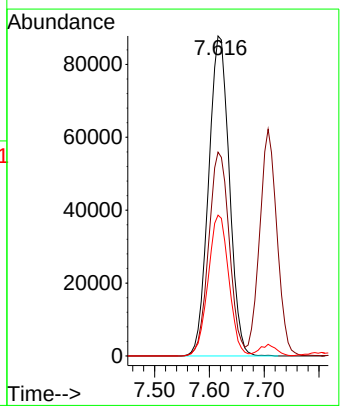
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

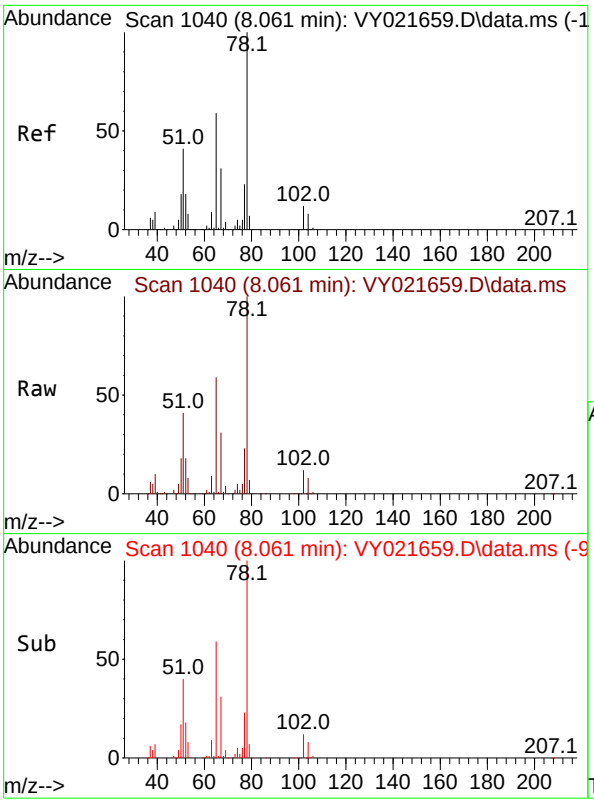


#32
1,1,1-Trichloroethane
Concen: 49.051 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 97 Resp: 230441

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.7	76.1
61	44.0	35.2	52.8

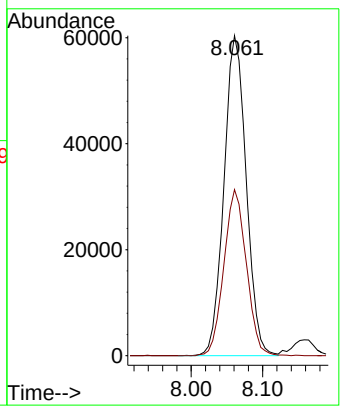




#33
1,2-Dichloroethane-d4
Concen: 50.552 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 65 Resp: 13048

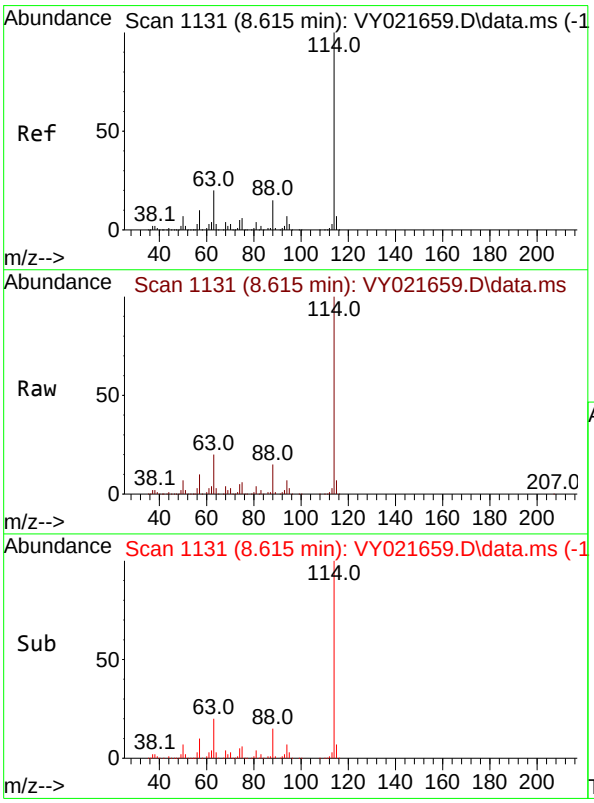
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

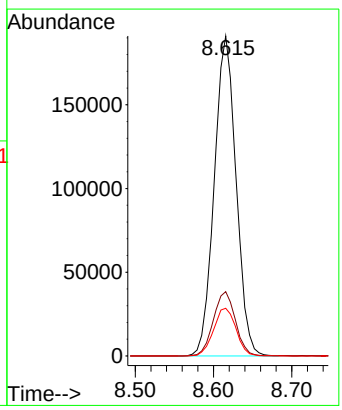
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

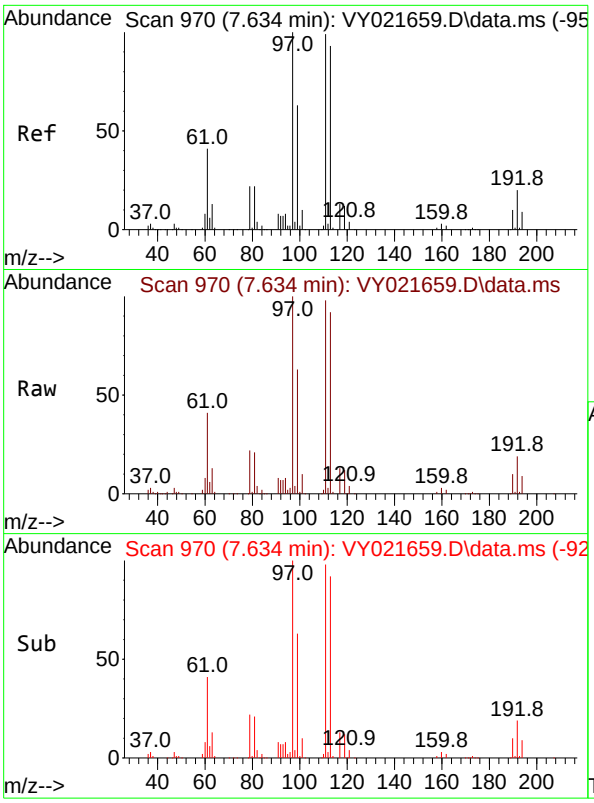


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:114 Resp: 369963

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	14.9	0.0	29.8

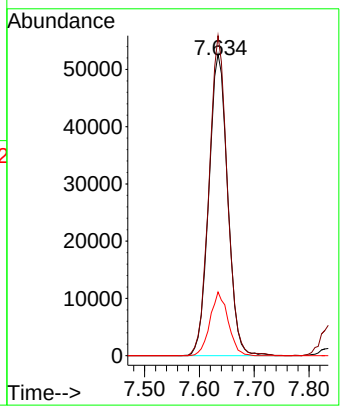




#35
Dibromofluoromethane
Concen: 52.259 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:113 Resp: 12541

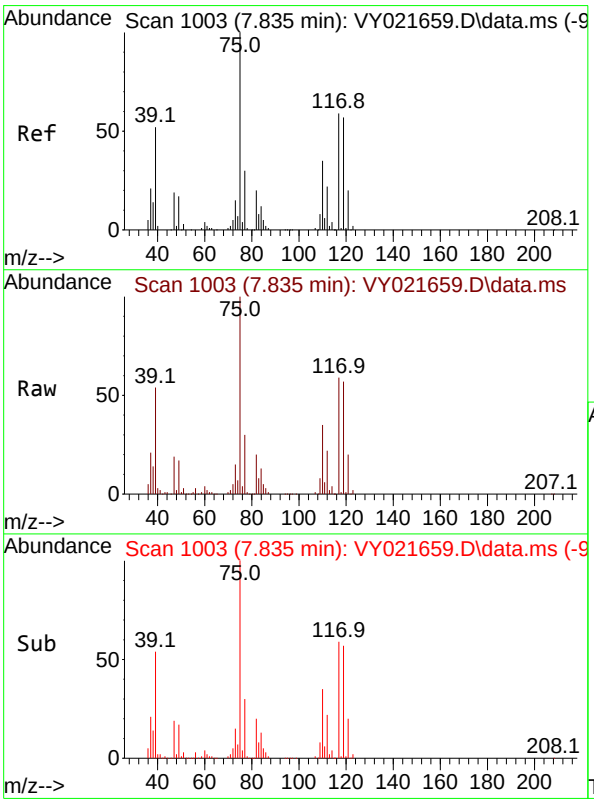
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	20.3	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

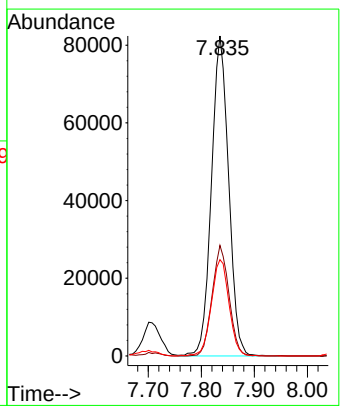
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

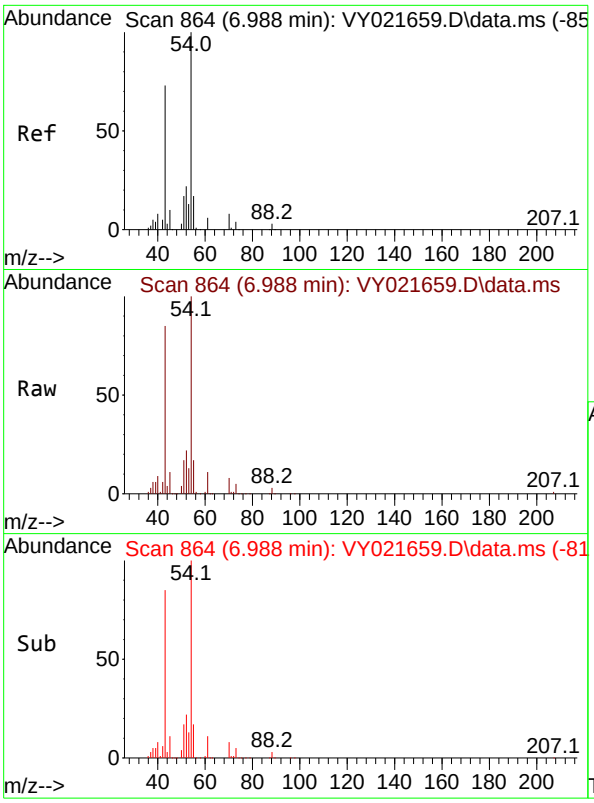


#36
1,1-Dichloropropene
Concen: 50.763 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 185559

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.0	50.9
77	31.0	24.8	37.2





#37
Ethyl Acetate
Concen: 50.617 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

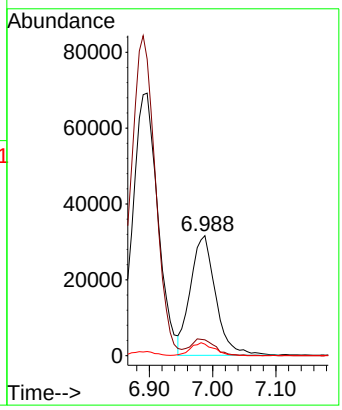
Tgt Ion: 43 Resp: 8732

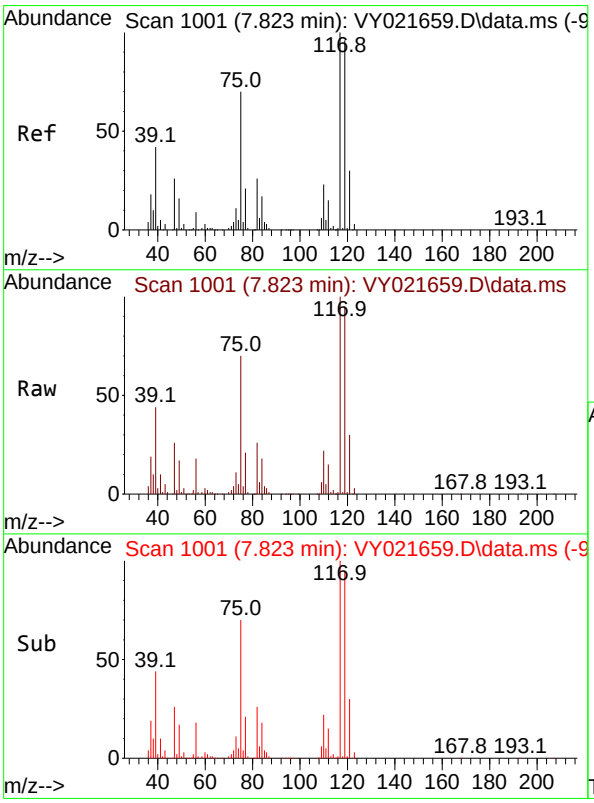
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

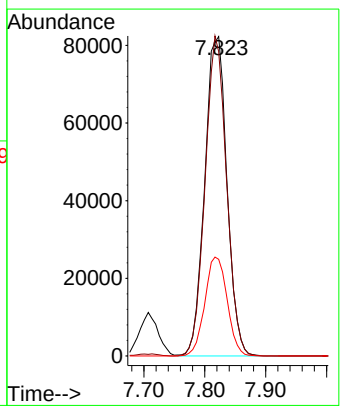


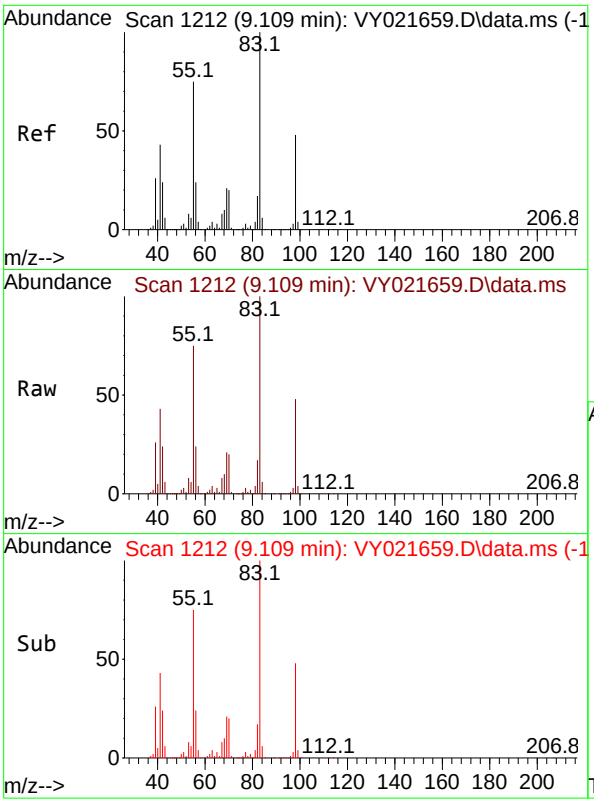


#38
Carbon Tetrachloride
Concen: 49.810 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:117 Resp: 208537

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.3	24.2	36.4





#39
Methylcyclohexane
Concen: 52.472 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

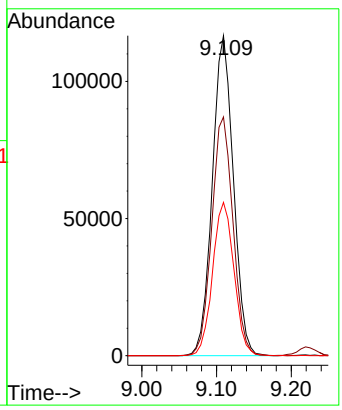
Tgt Ion: 83 Resp: 22913

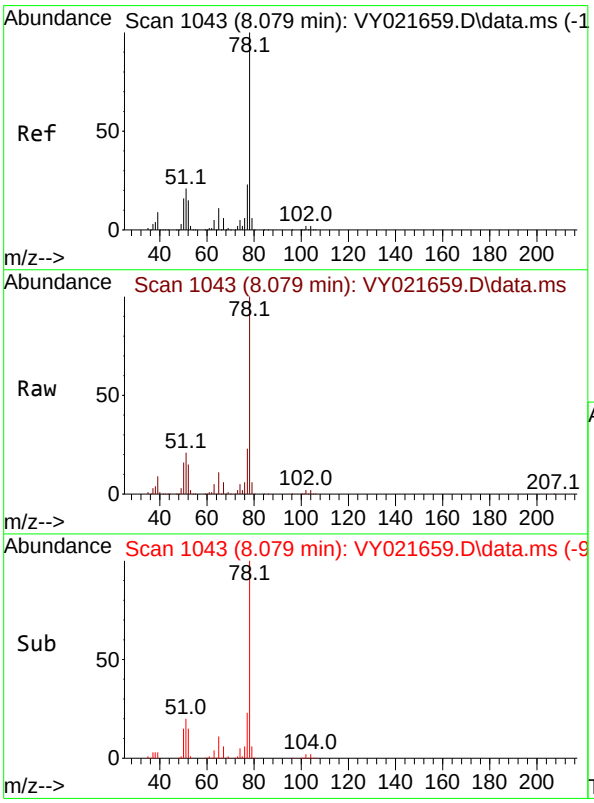
Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.7	89.5
98	47.9	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

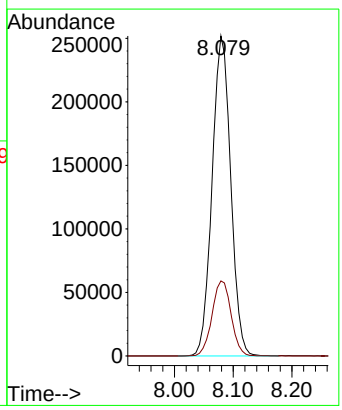


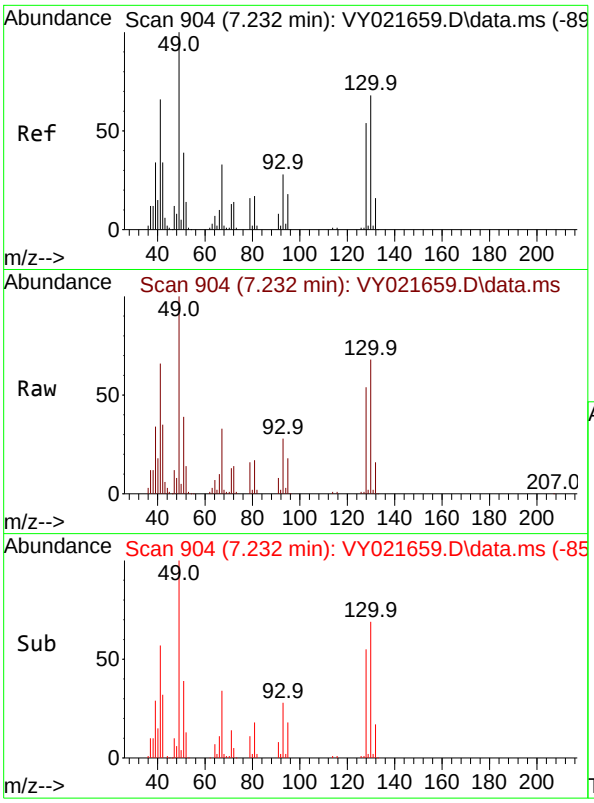


#40
Benzene
Concen: 50.649 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 78 Resp: 554462

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

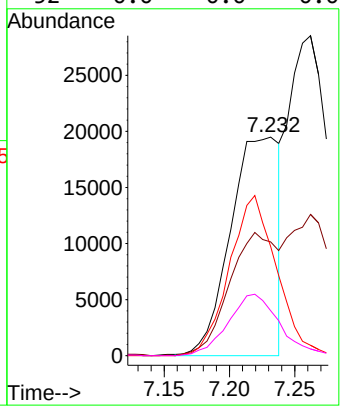




#41
Methacrylonitrile
Concen: 55.298 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 5065

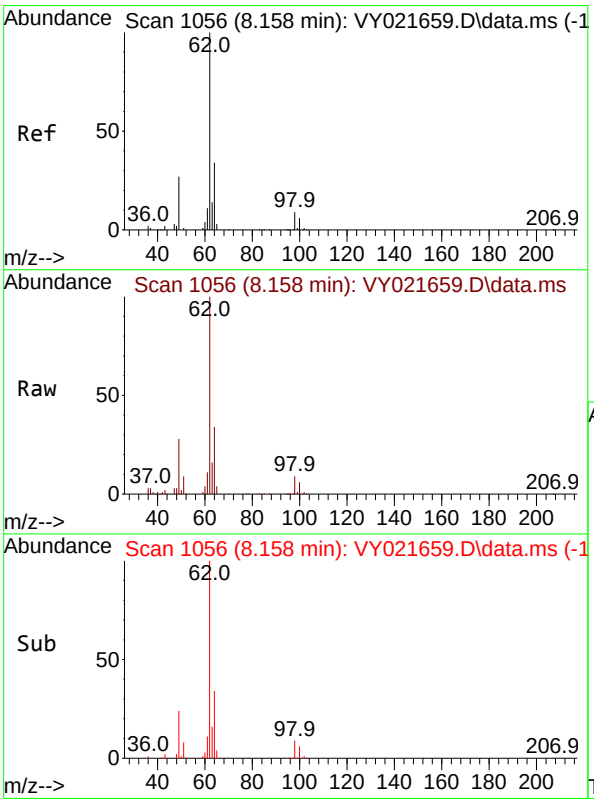
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

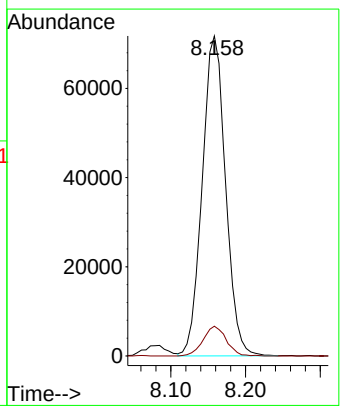
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

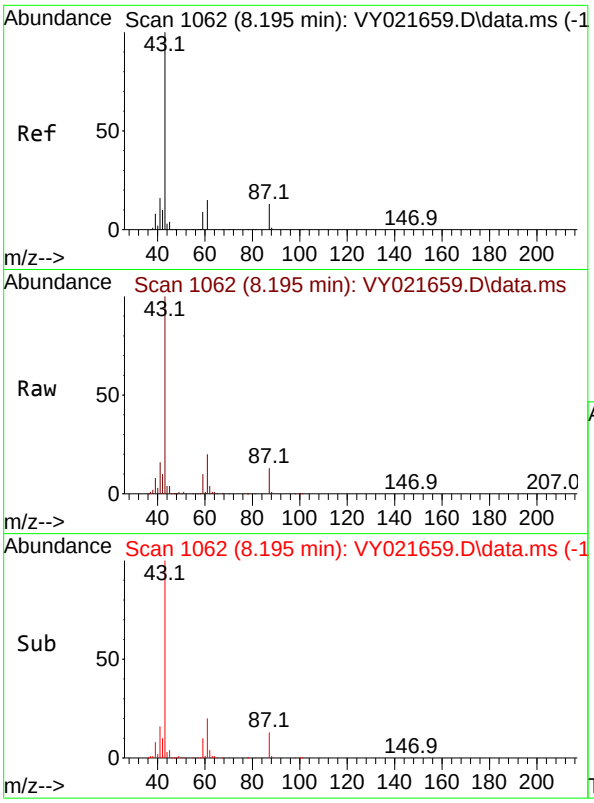


#42
1,2-Dichloroethane
Concen: 50.343 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 155365

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

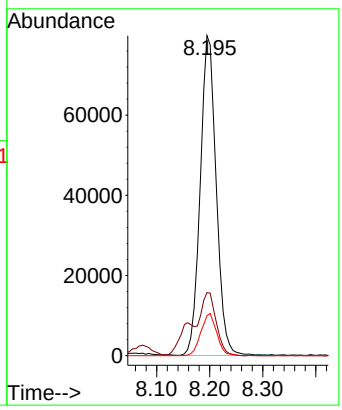




#43
Isopropyl Acetate
Concen: 51.076 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 16698

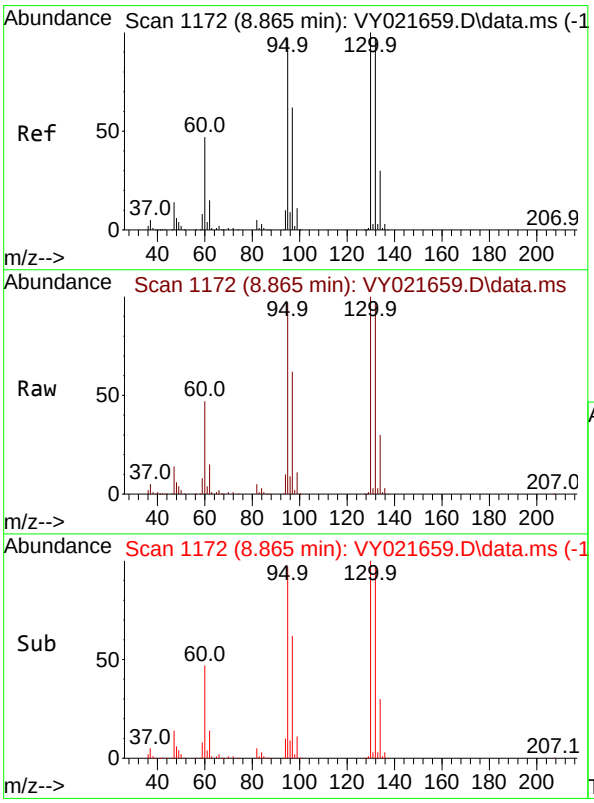
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.9	23.9
87	13.0	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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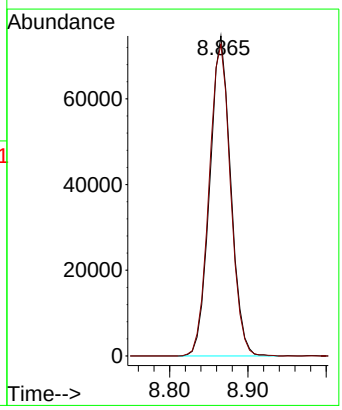
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

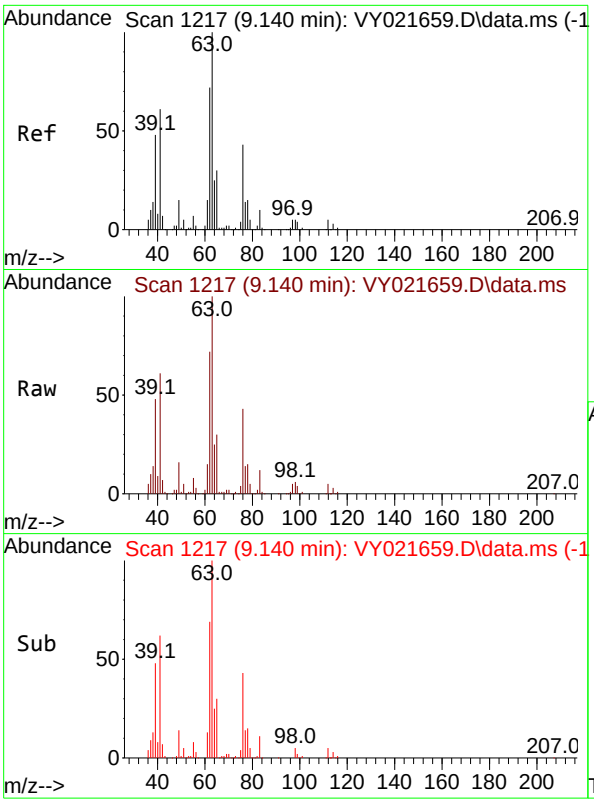


#44
Trichloroethene
Concen: 49.637 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:130 Resp: 138449

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	194.8

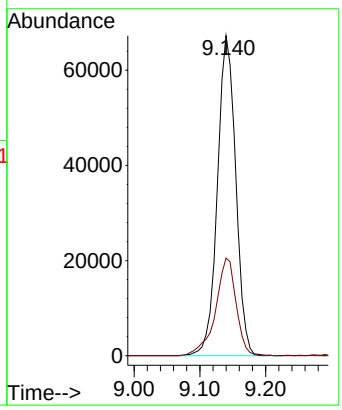




#45
1,2-Dichloropropane
Concen: 50.395 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 13058

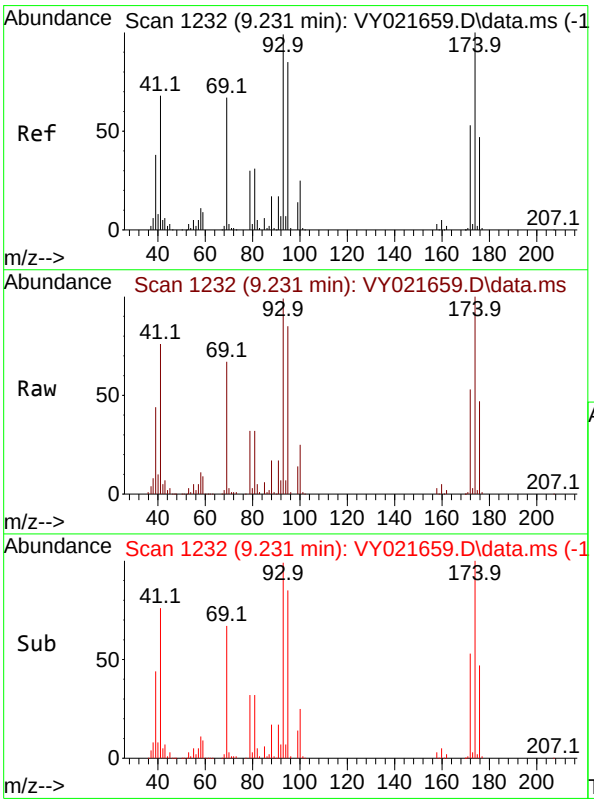
Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

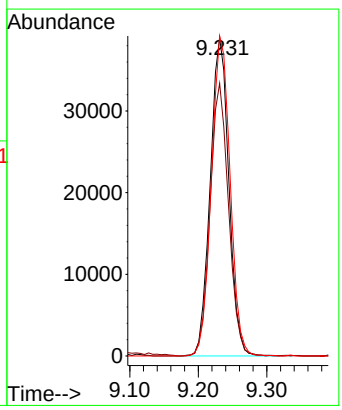
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

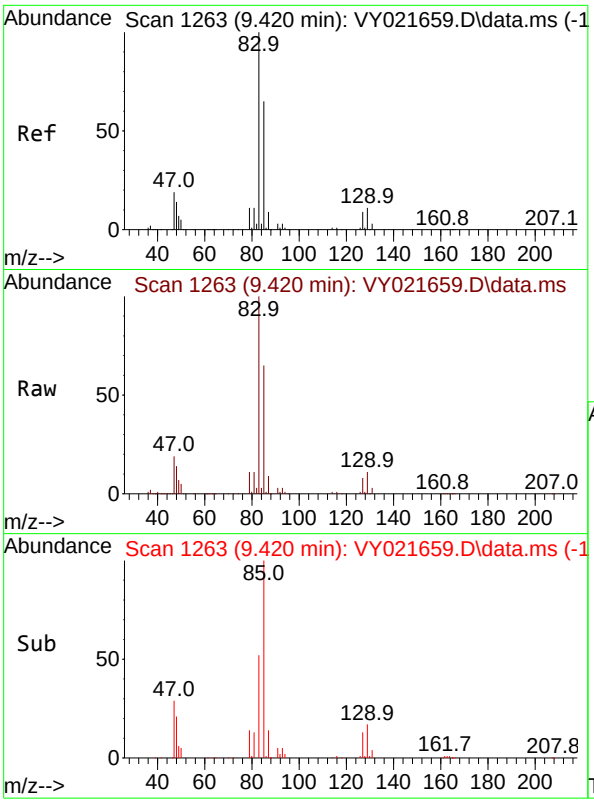


#46
Dibromomethane
Concen: 49.174 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 93 Resp: 73435

Ion	Ratio	Lower	Upper
93	100		
95	85.1	68.1	102.1
174	101.1	80.9	121.3

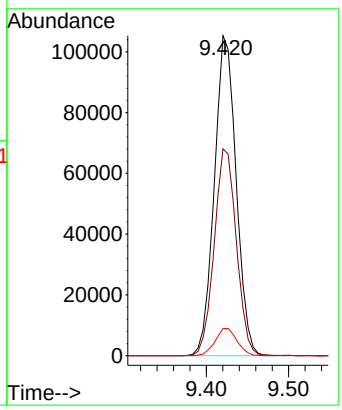




#47
Bromodichloromethane
Concen: 50.237 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 83 Resp: 19439

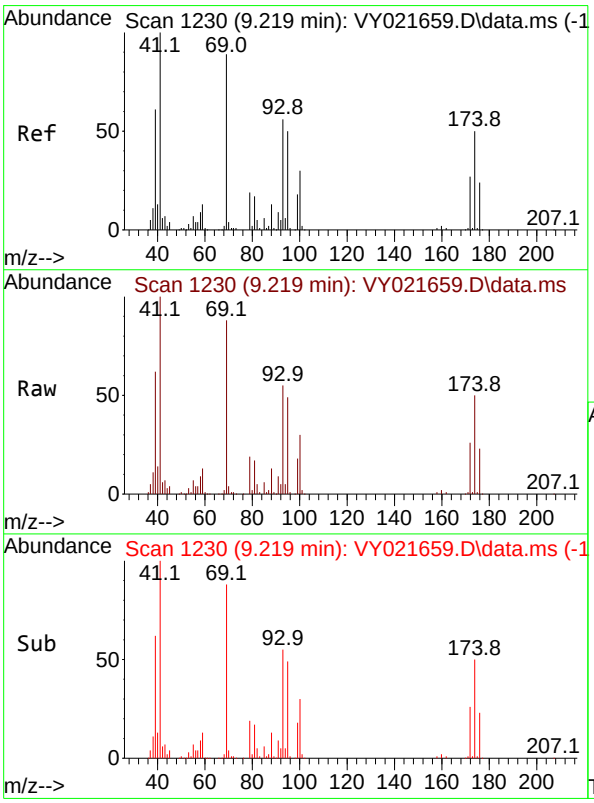
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

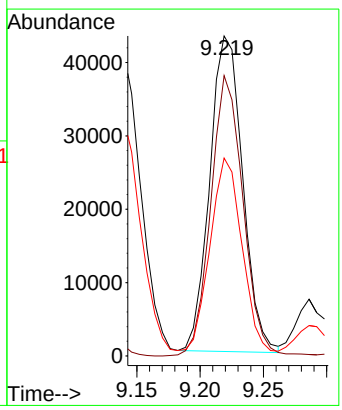
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

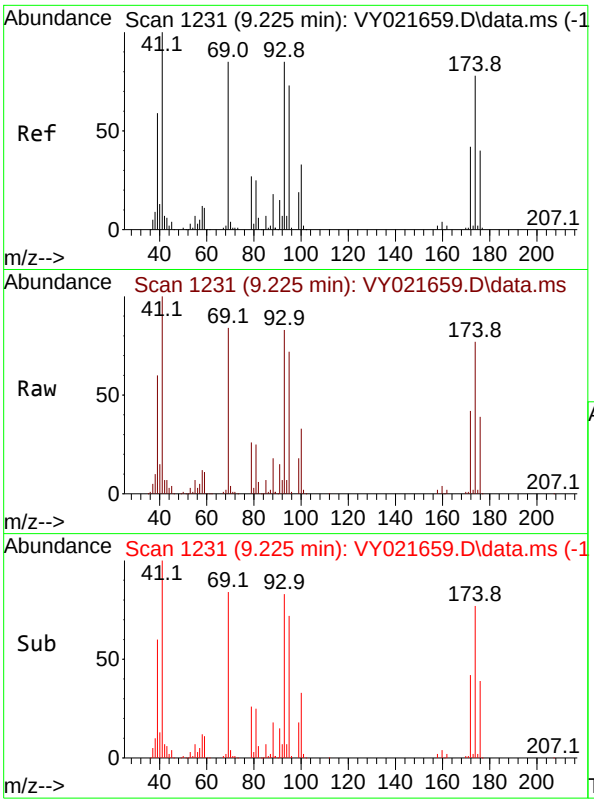


#48
Methyl methacrylate
Concen: 51.902 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 77877

Ion	Ratio	Lower	Upper
41	100		
69	87.3	69.8	104.8
39	59.0	47.2	70.8

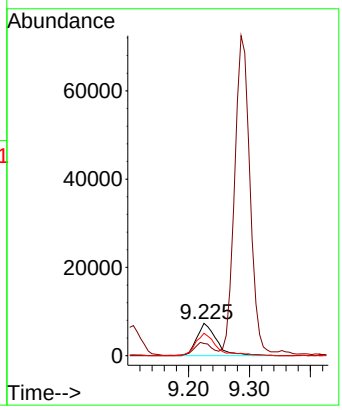




#49
1,4-Dioxane
Concen: 1030.192 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 88 Resp: 1648

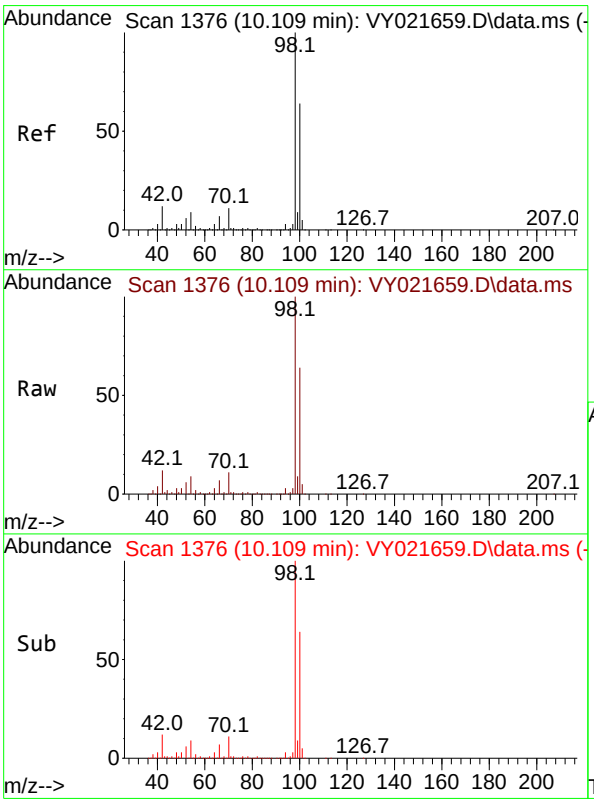
Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.8	43.2
58	74.3	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

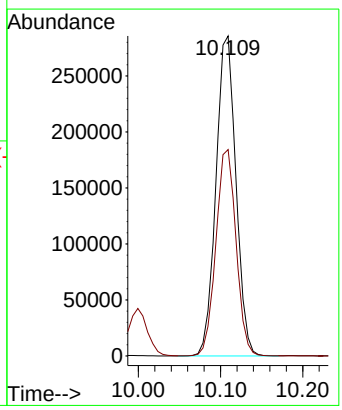
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

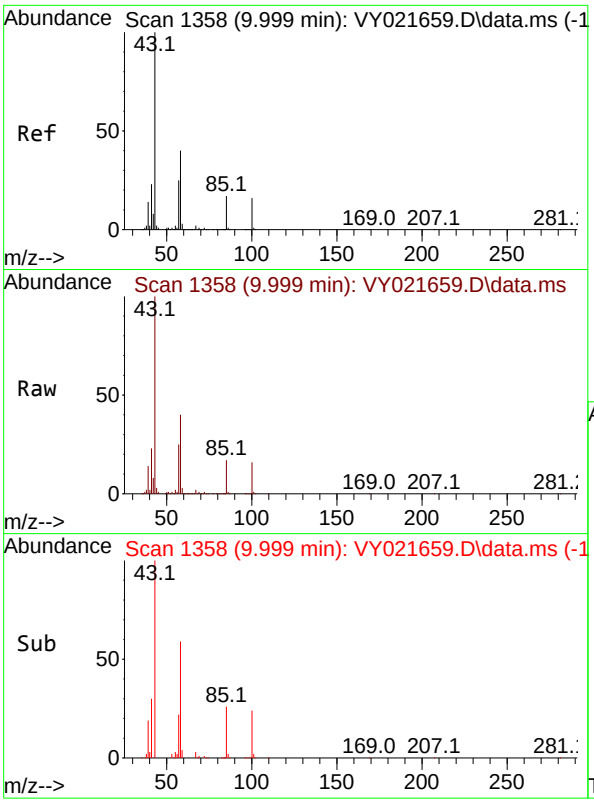


#50
Toluene-d8
Concen: 52.909 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 98 Resp: 483058

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

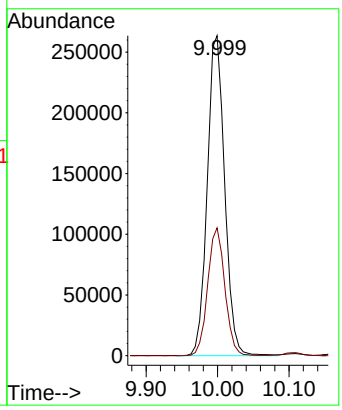




#51
4-Methyl-2-Pentanone
Concen: 261.893 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 44556

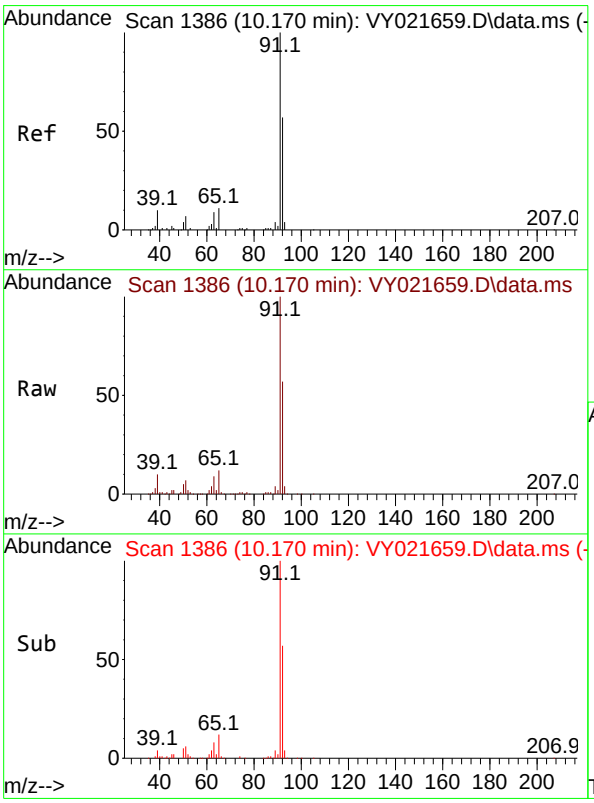
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

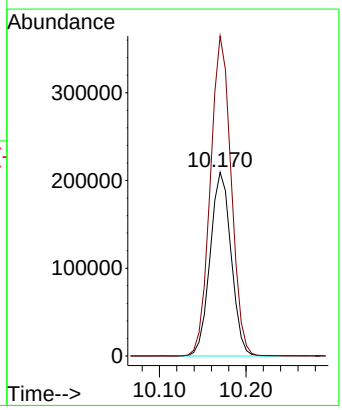
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

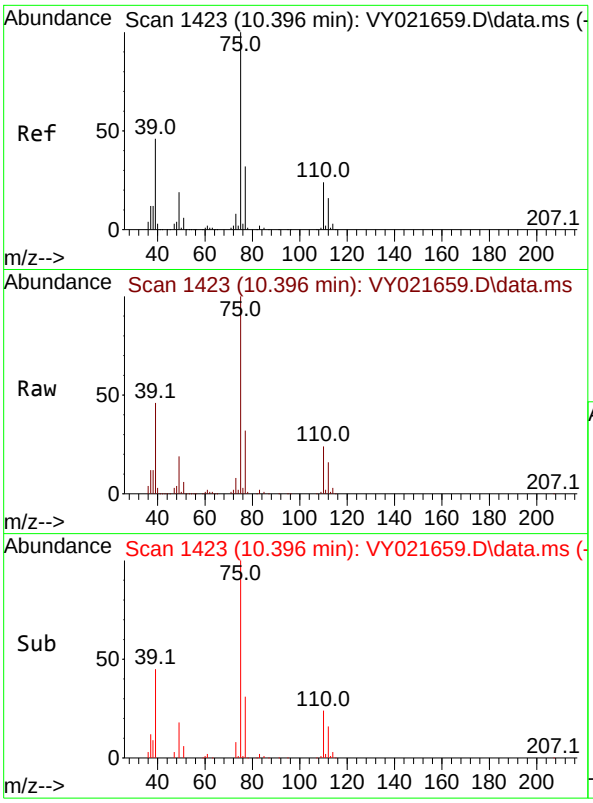


#52
Toluene
Concen: 51.496 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 92 Resp: 351715

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8

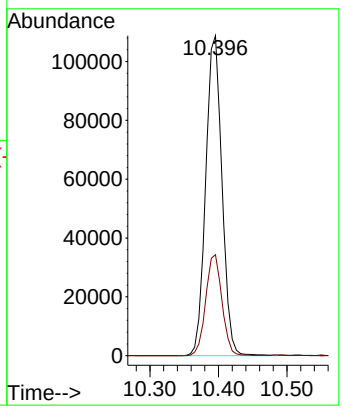




#53
t-1,3-Dichloropropene
Concen: 52.296 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17974

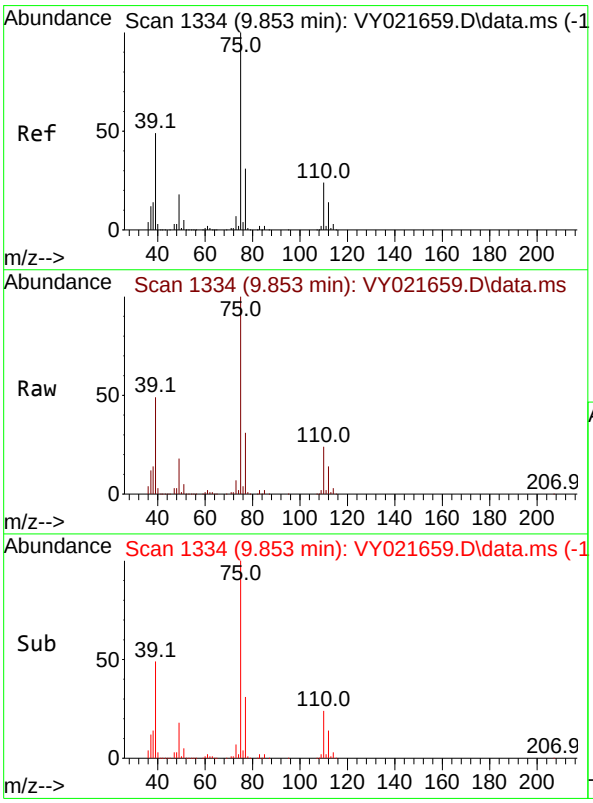
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

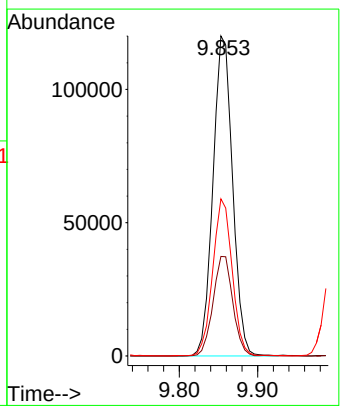
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

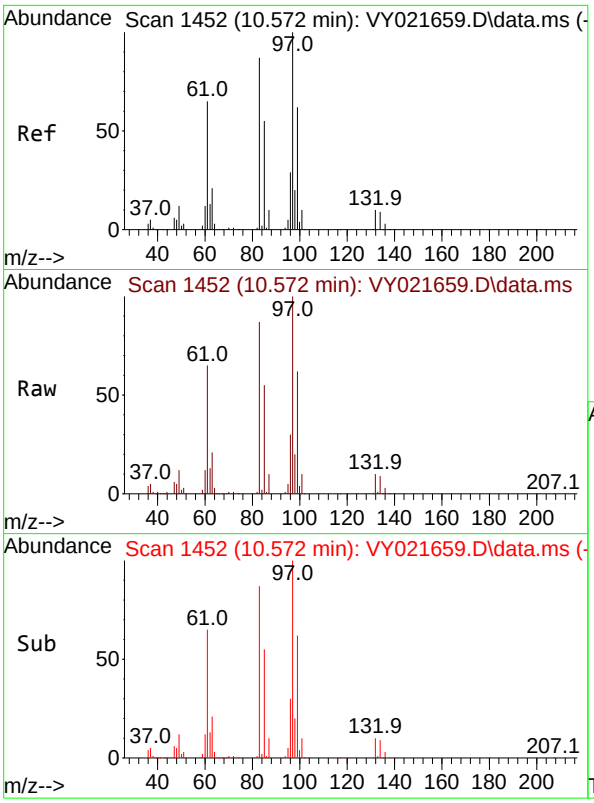


#54
cis-1,3-Dichloropropene
Concen: 51.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 209143

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	49.0	39.2	58.8

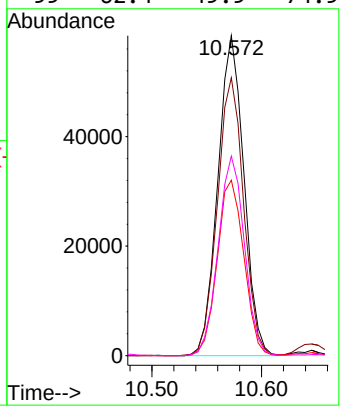




#55
1,1,2-Trichloroethane
Concen: 50.254 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 97 Resp: 9657

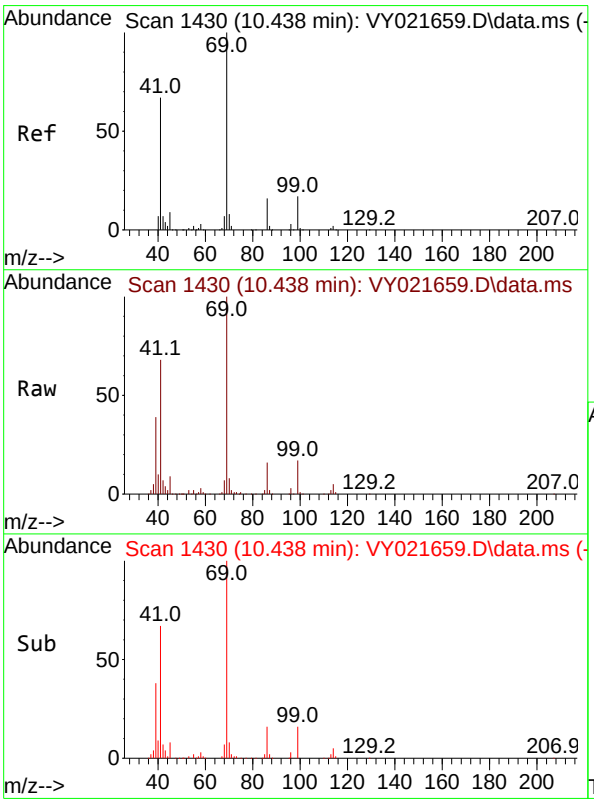
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	54.9	43.9	65.9
99	62.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

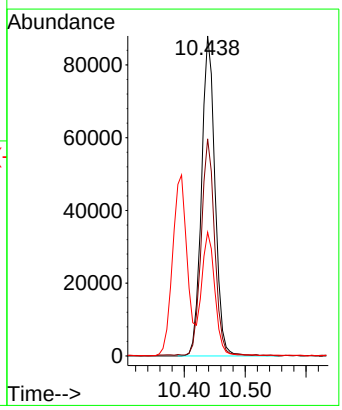
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

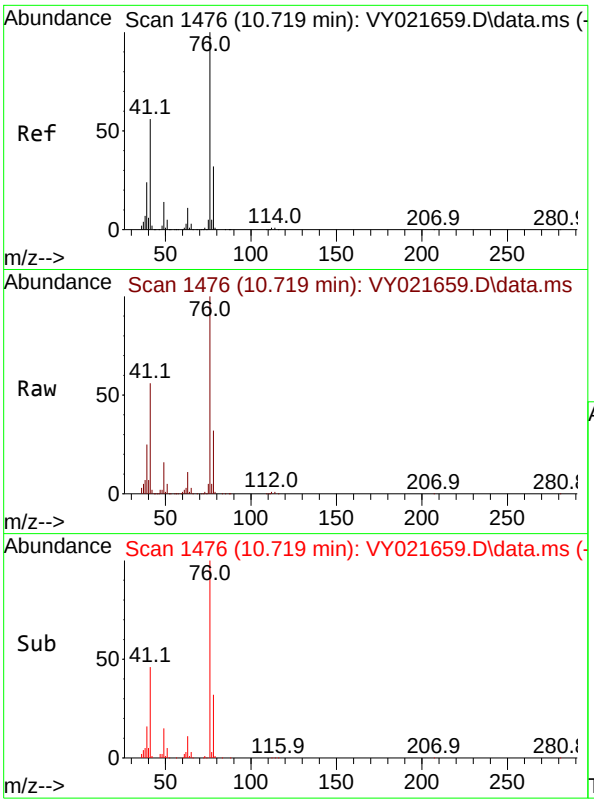


#56
Ethyl methacrylate
Concen: 55.124 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 69 Resp: 135272

Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.8	80.6
39	37.0	29.6	44.4

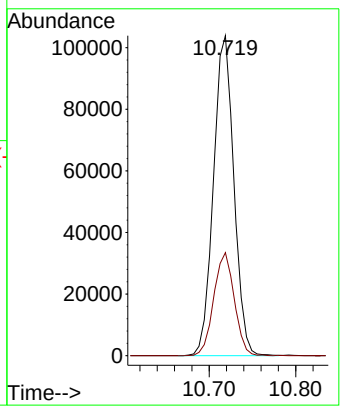




#57
1,3-Dichloropropane
Concen: 51.252 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 76 Resp: 170109

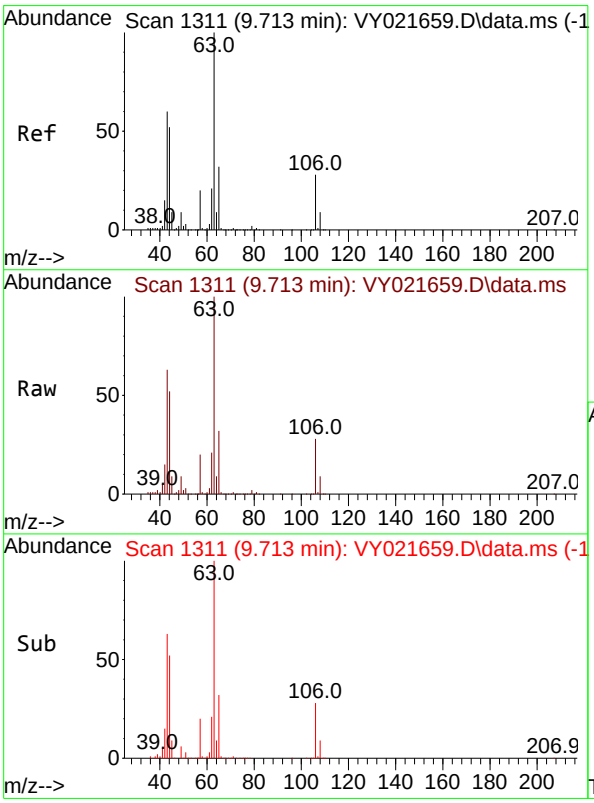
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

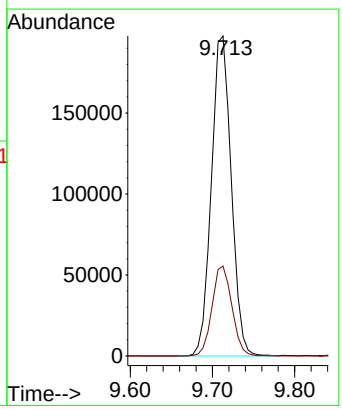
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

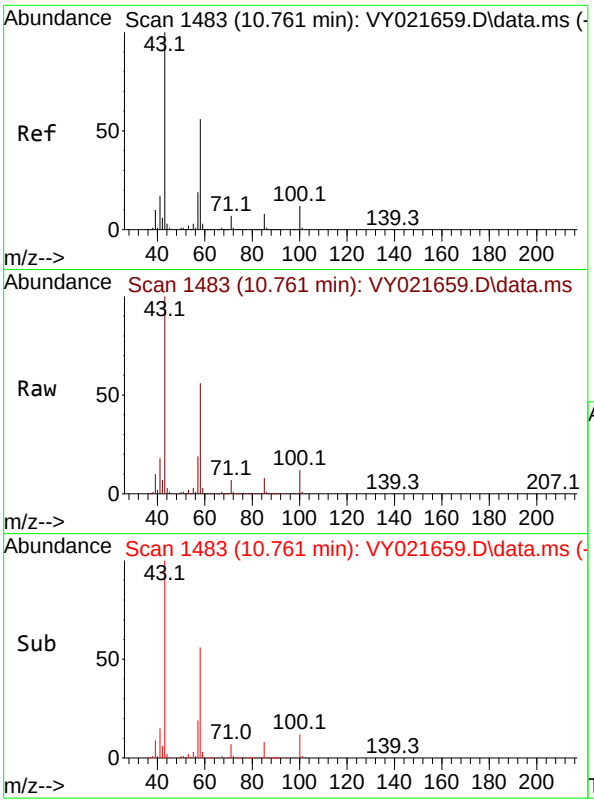


#58
2-Chloroethyl Vinyl ether
Concen: 277.643 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 332369

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6





#59
2-Hexanone
Concen: 267.012 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

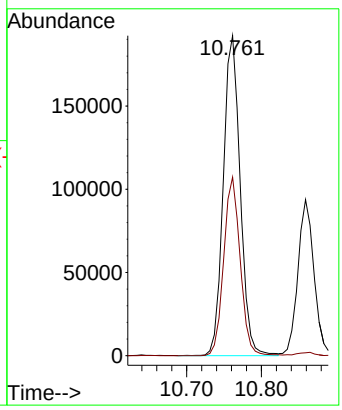
Tgt Ion: 43 Resp: 30253

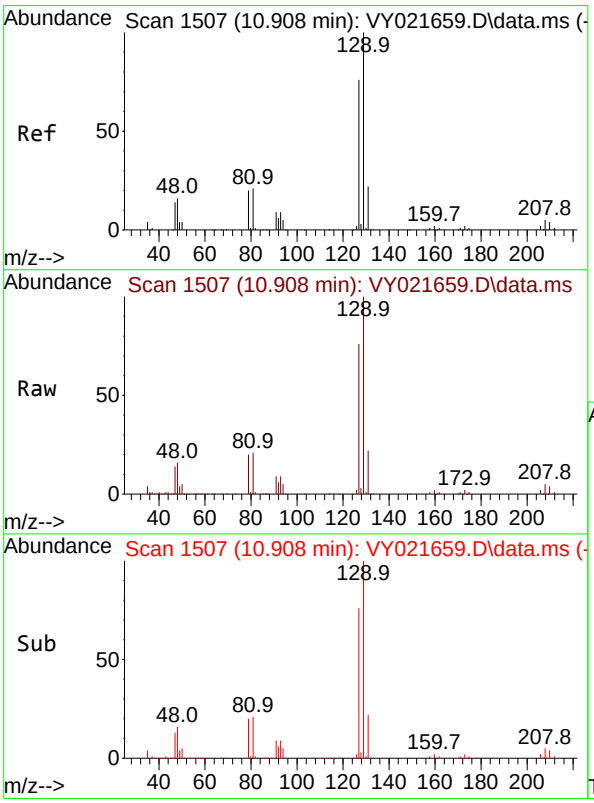
Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

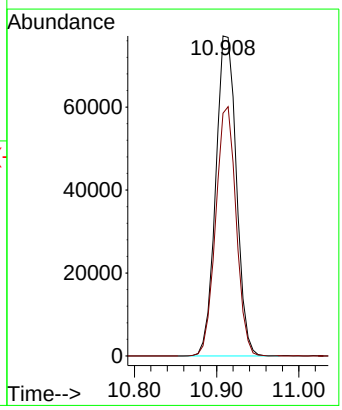


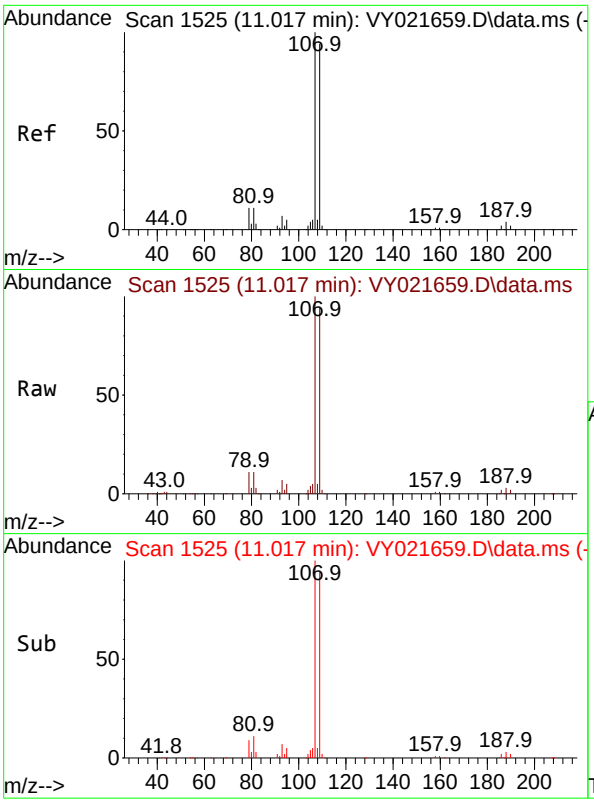


#60
Dibromochloromethane
Concen: 51.334 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:129 Resp: 134696

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7

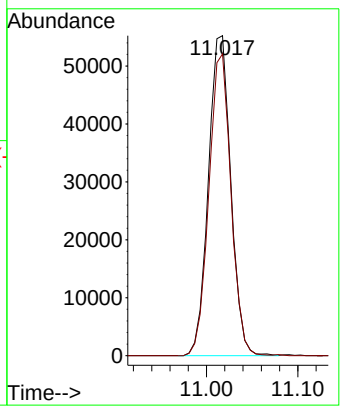




#61
1,2-Dibromoethane
Concen: 52.067 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:107 Resp: 9386

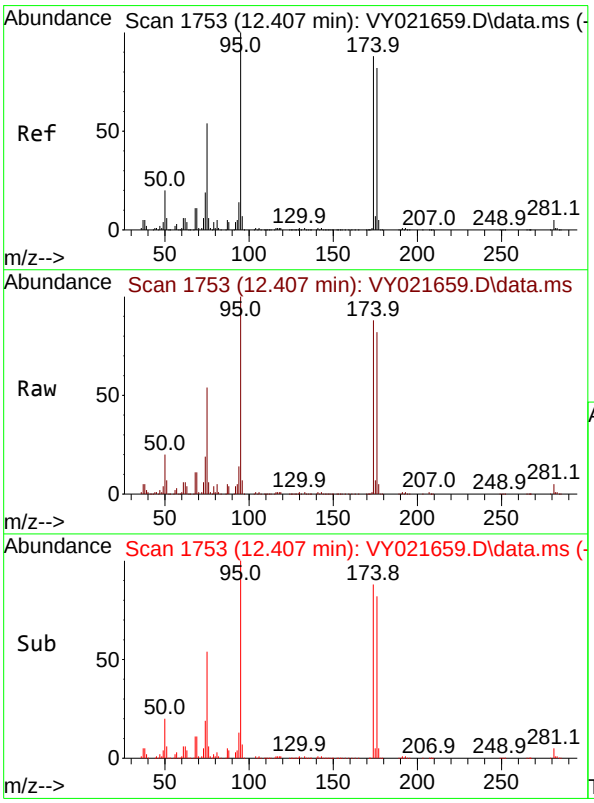
Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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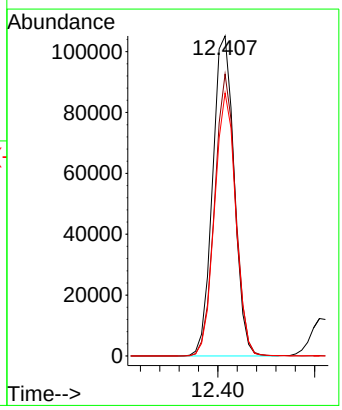
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

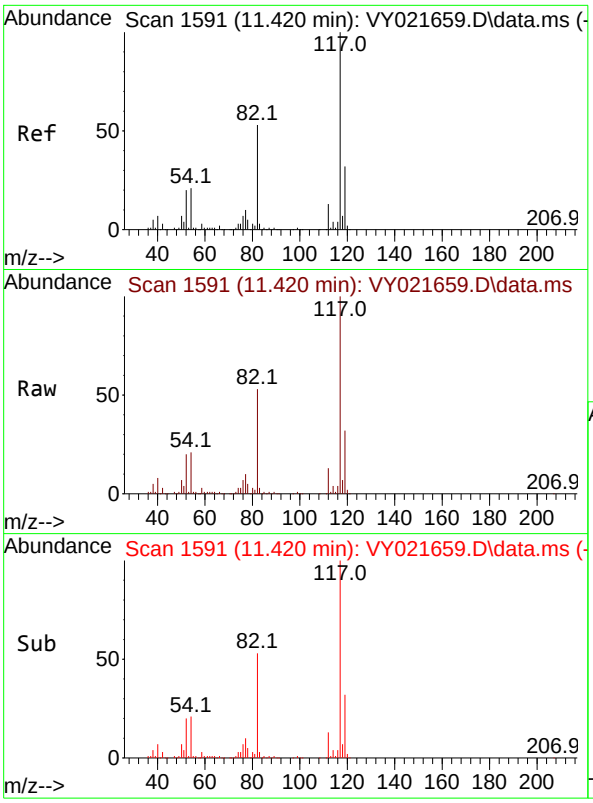


#62
4-Bromofluorobenzene
Concen: 52.583 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 95 Resp: 162384

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	170.8
176	81.0	0.0	162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

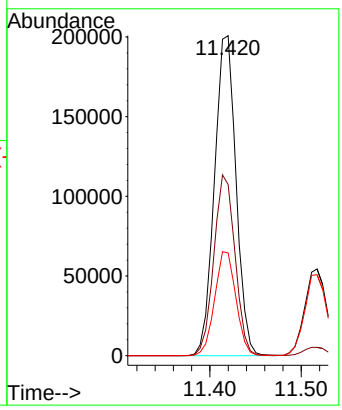
Tgt Ion:117 Resp: 32962

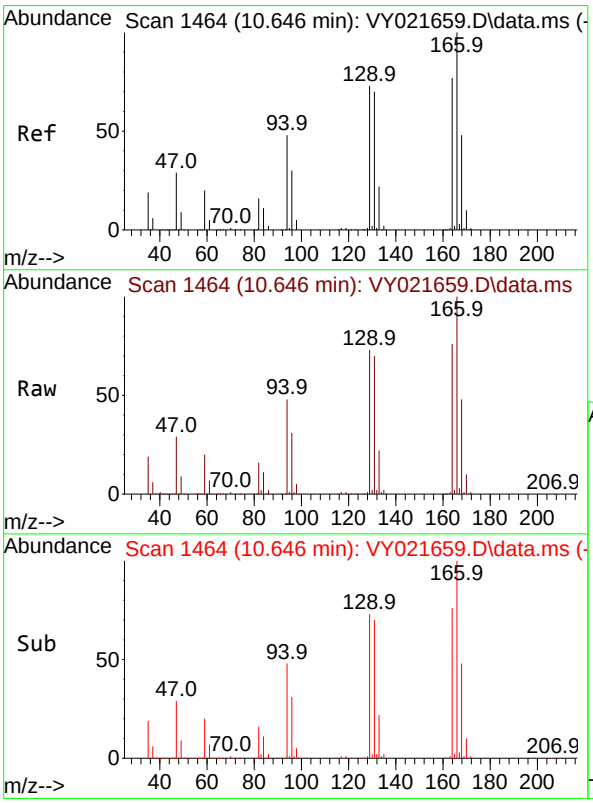
Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.8	64.2
119	32.1	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

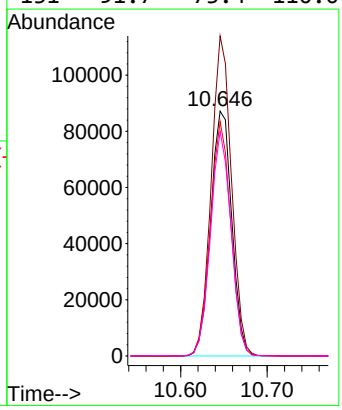


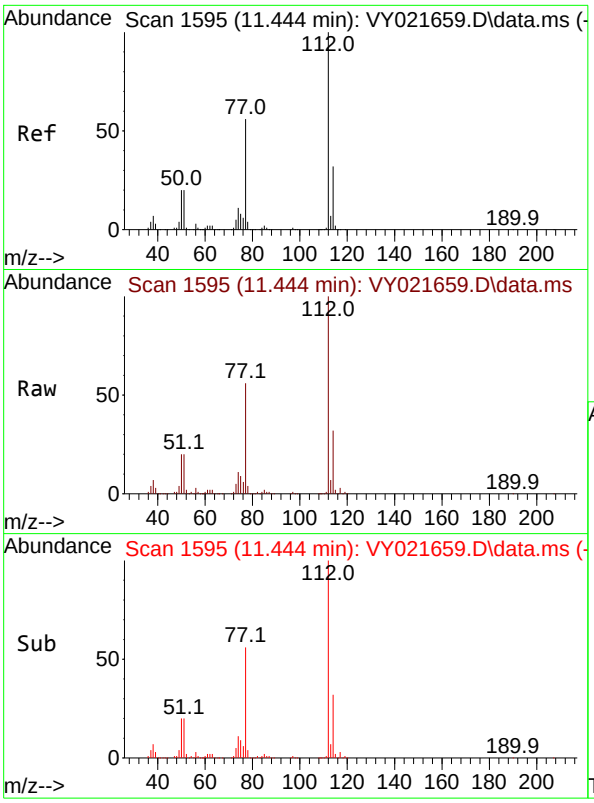


#64
Tetrachloroethene
Concen: 49.288 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:164 Resp: 147971

Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.6	156.8
129	95.7	76.6	114.8
131	91.7	73.4	110.0

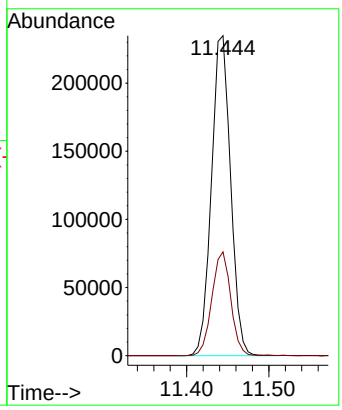




#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:112 Resp: 38066

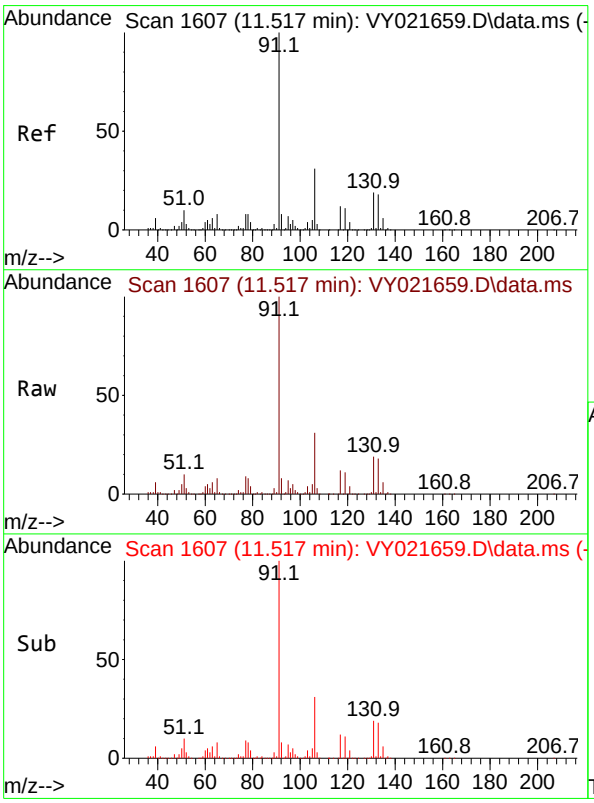
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

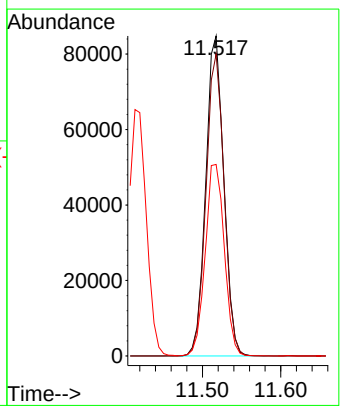
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

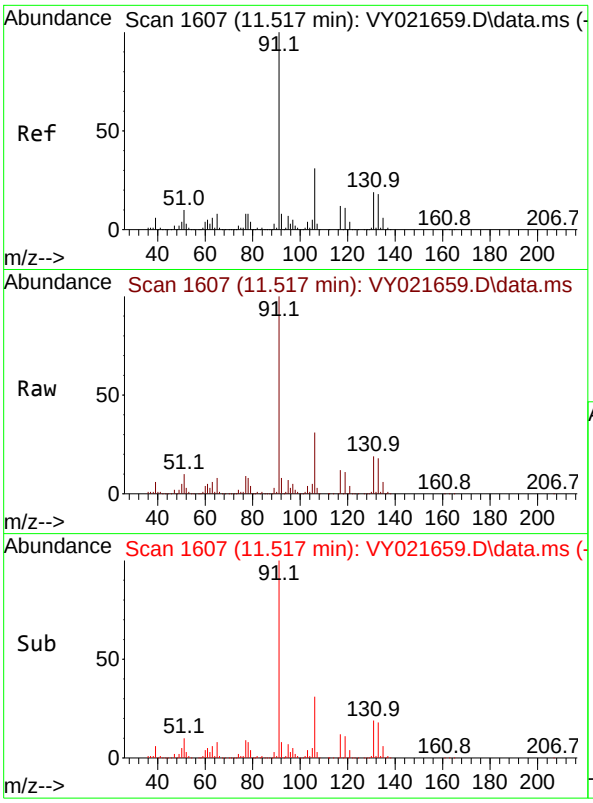


#66
1,1,1,2-Tetrachloroethane
Concen: 50.602 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:131 Resp: 135660

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	63.3	31.6	95.0

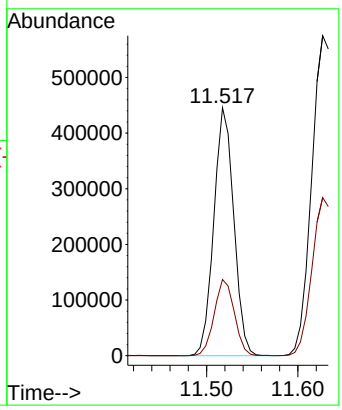




#67
Ethyl Benzene
Concen: 52.188 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 67620

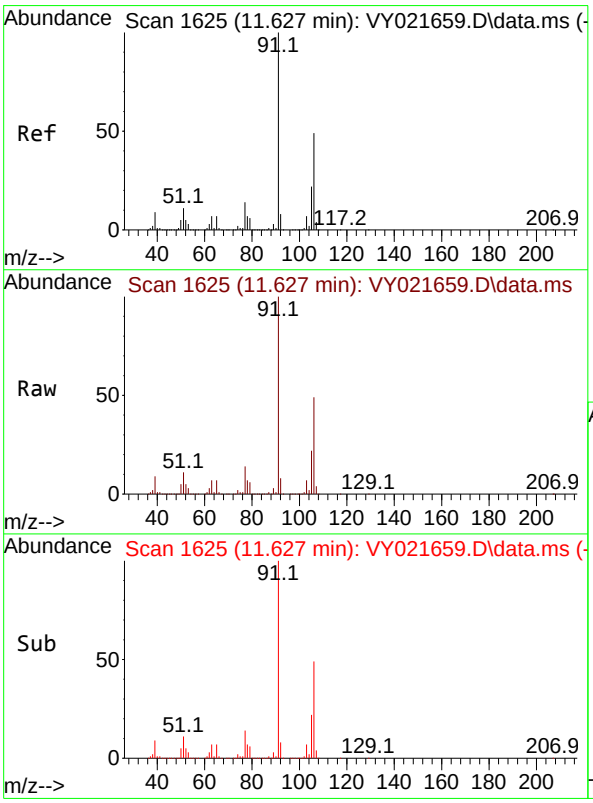
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

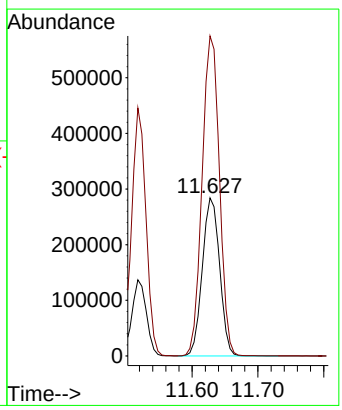
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

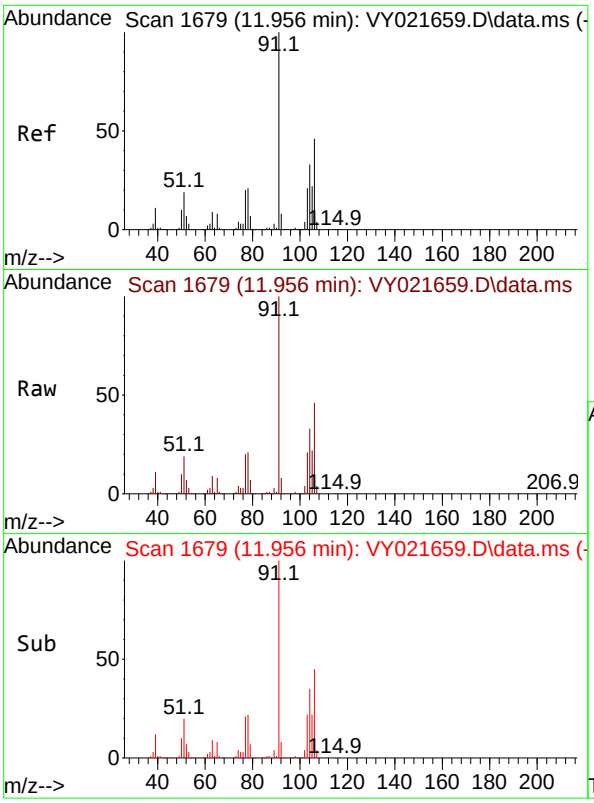


#68
m/p-Xylenes
Concen: 104.634 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:106 Resp: 519154

Ion	Ratio	Lower	Upper
106	100		
91	203.0	162.4	243.6





#69
o-Xylene
Concen: 53.135 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

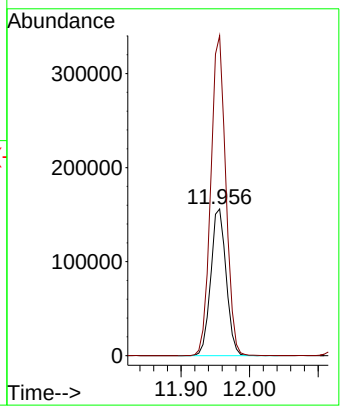
Tgt Ion:106 Resp: 24335

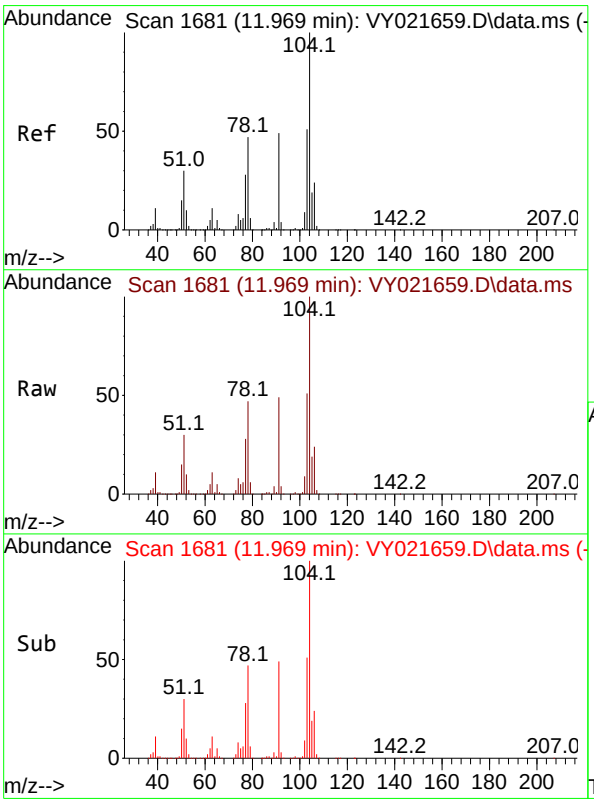
Ion	Ratio	Lower	Upper
106	100		
91	213.3	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

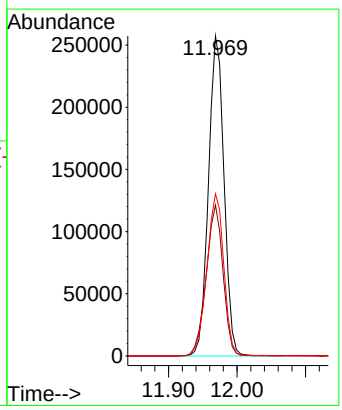


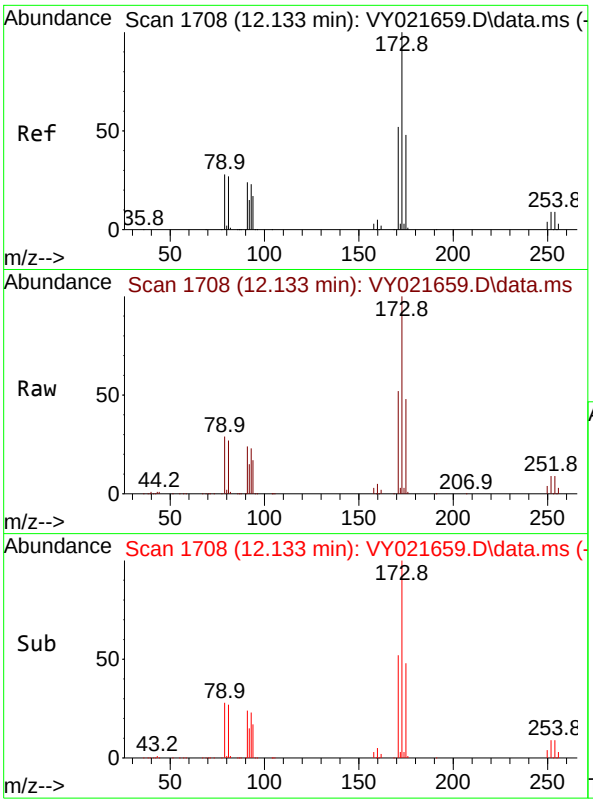


#70
Styrene
Concen: 53.195 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:104 Resp: 406215

Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.8	61.2
103	55.2	44.2	66.2

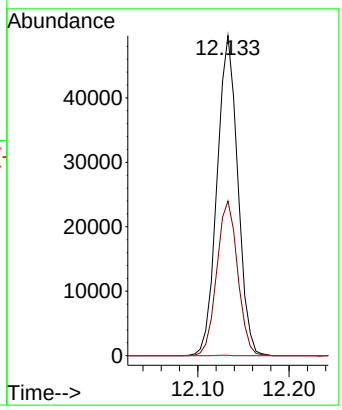




#71
Bromoform
Concen: 51.140 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:173 Resp: 7820

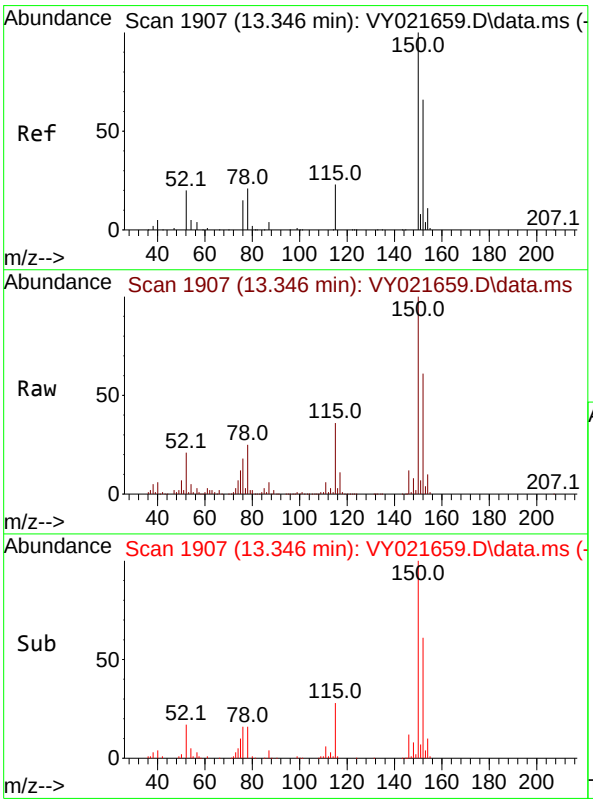
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

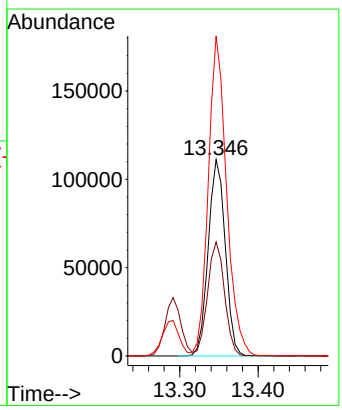
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

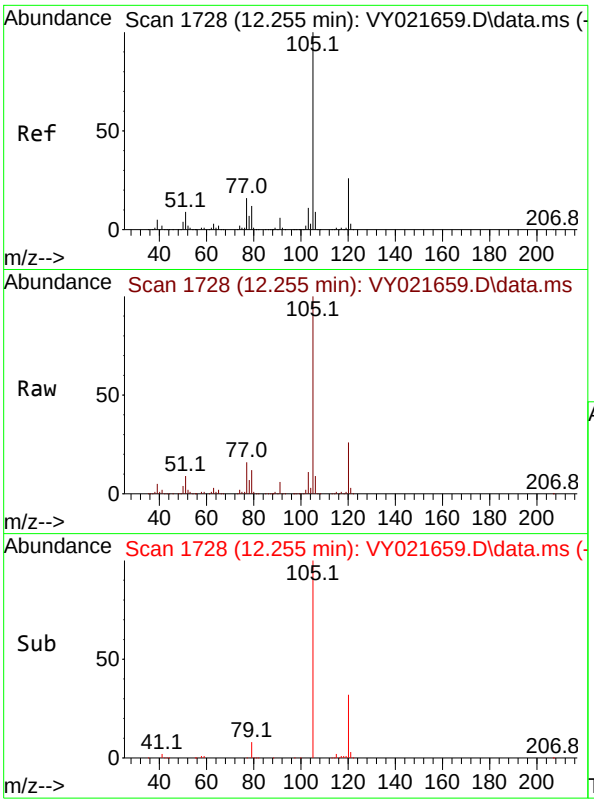


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:152 Resp: 167924

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	174.2	0.0	348.4

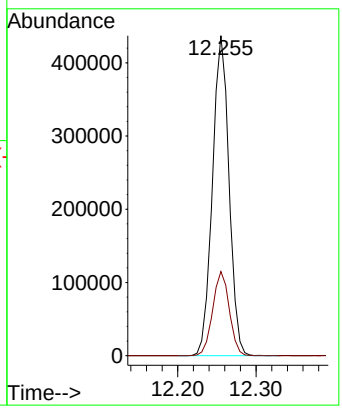




#73
Isopropylbenzene
Concen: 51.505 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:105 Resp: 64239

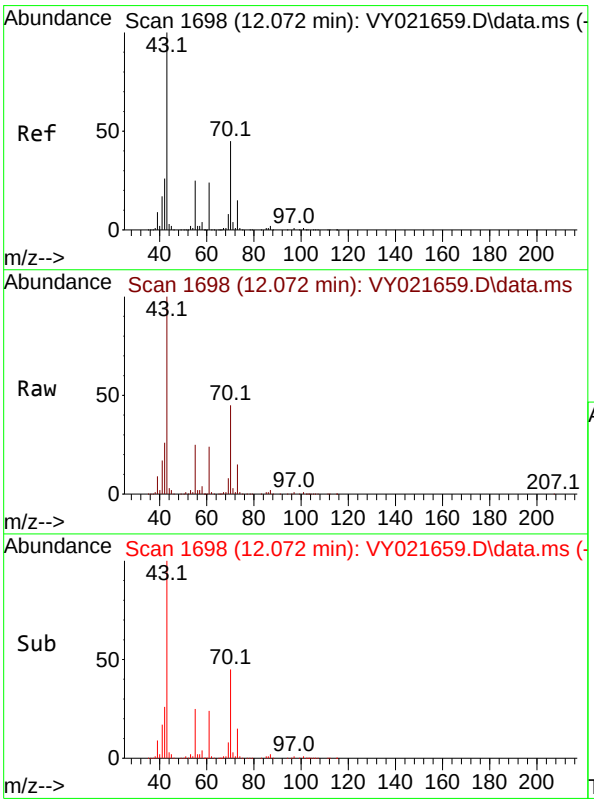
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

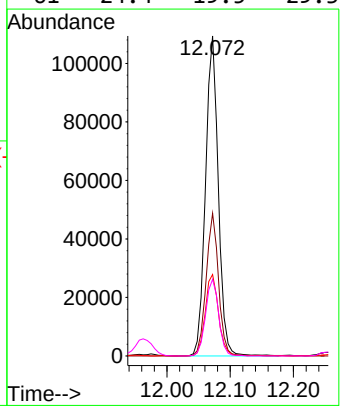
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

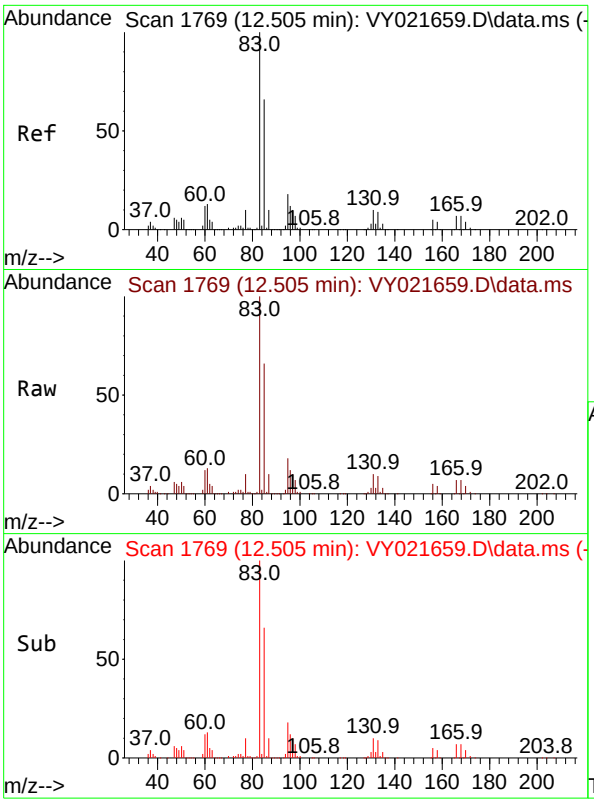


#74
N-amyl acetate
Concen: 52.630 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 154054

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.7	52.1
55	26.5	21.2	31.8
61	24.4	19.5	29.3

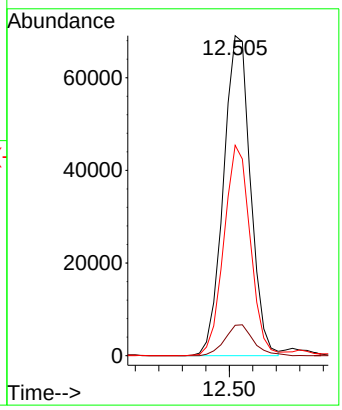




#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 83 Resp: 11029

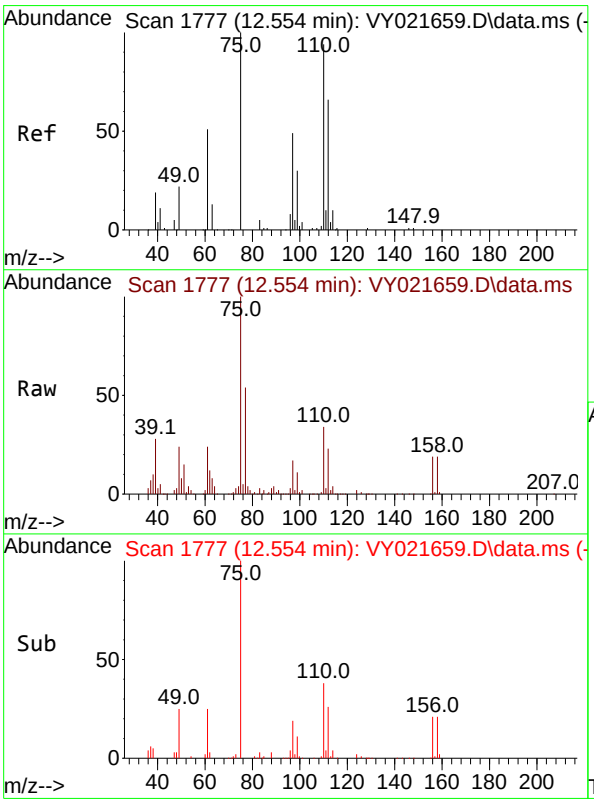
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.5	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

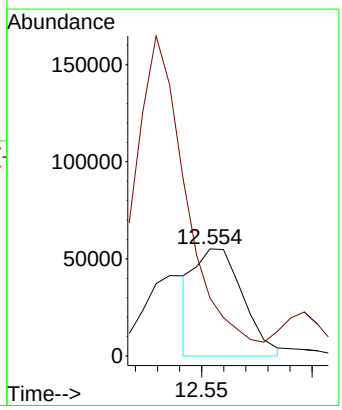
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

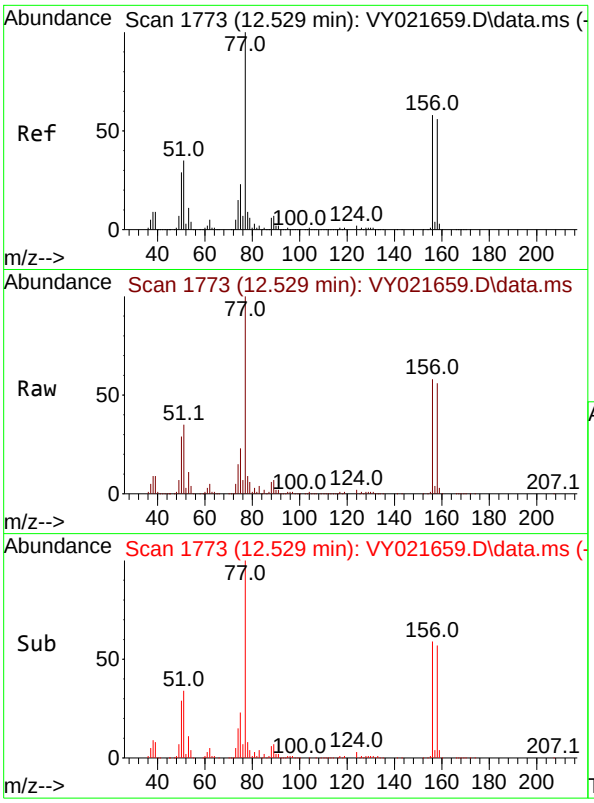


#76
1,2,3-Trichloropropane
Concen: 50.257 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 83656

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

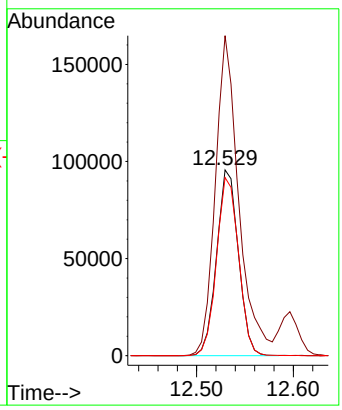




#77
Bromobenzene
Concen: 49.864 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:156 Resp: 14932

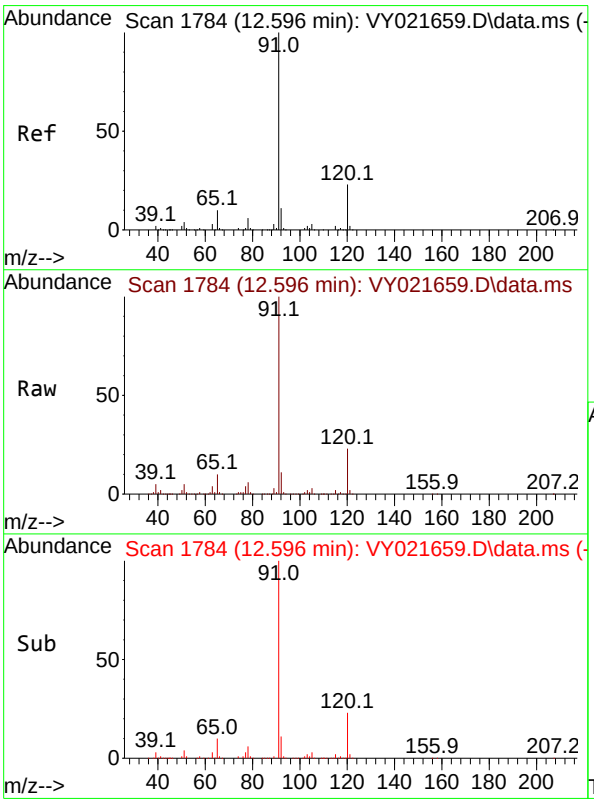
Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.8	278.3
158	97.1	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

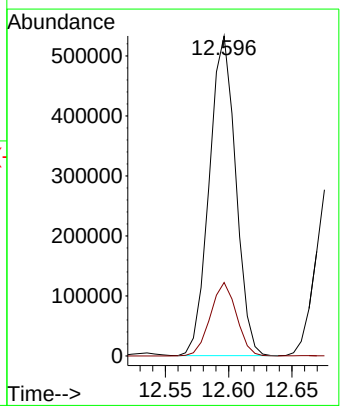
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

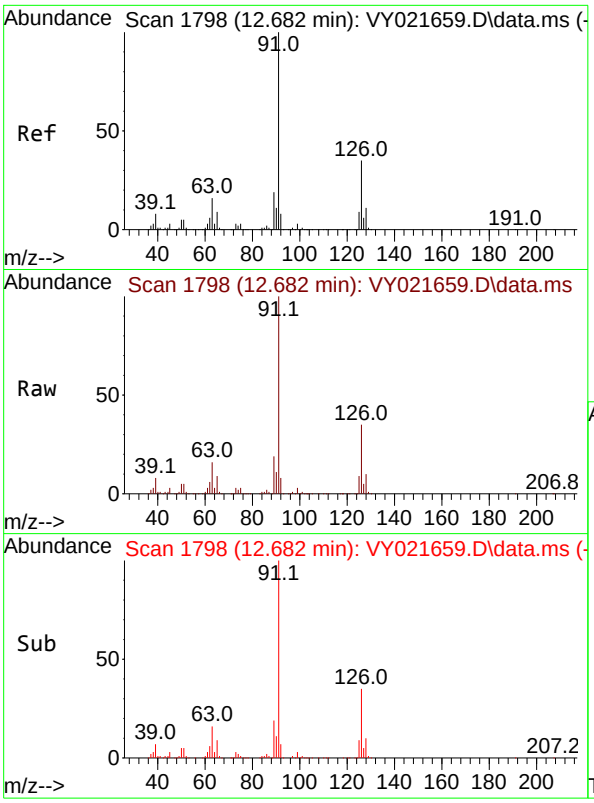


#78
n-propylbenzene
Concen: 51.702 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 775252

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9

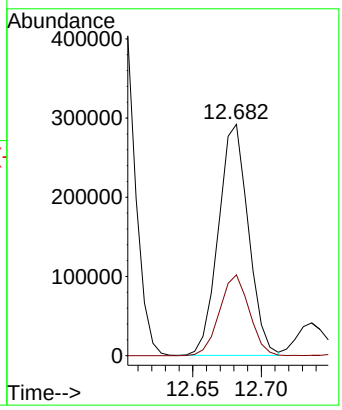




#79
2-Chlorotoluene
Concen: 51.001 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 44417

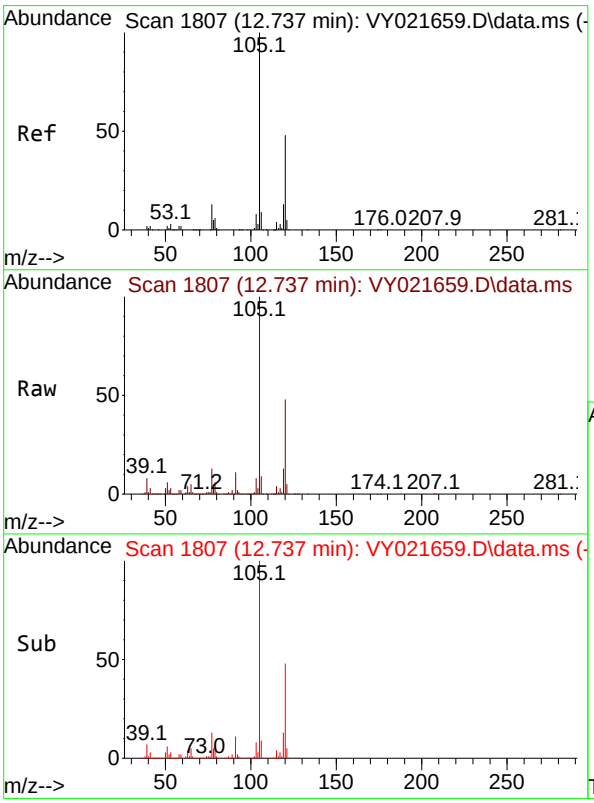
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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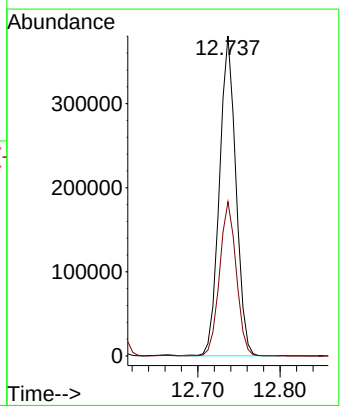
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

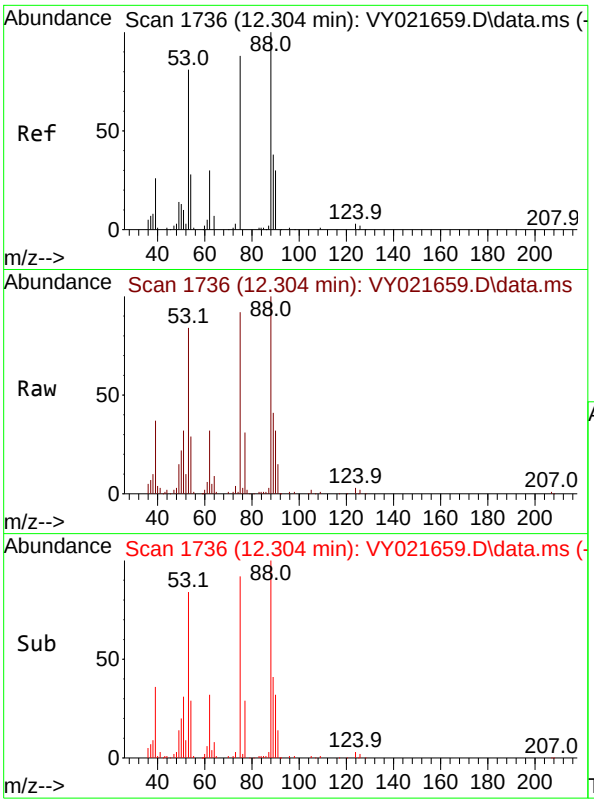


#80
1,3,5-Trimethylbenzene
Concen: 51.839 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:105 Resp: 528425

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.5	73.5

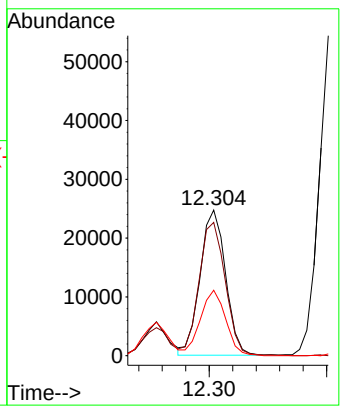




#81
trans-1,4-Dichloro-2-butene
Concen: 51.550 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 3724

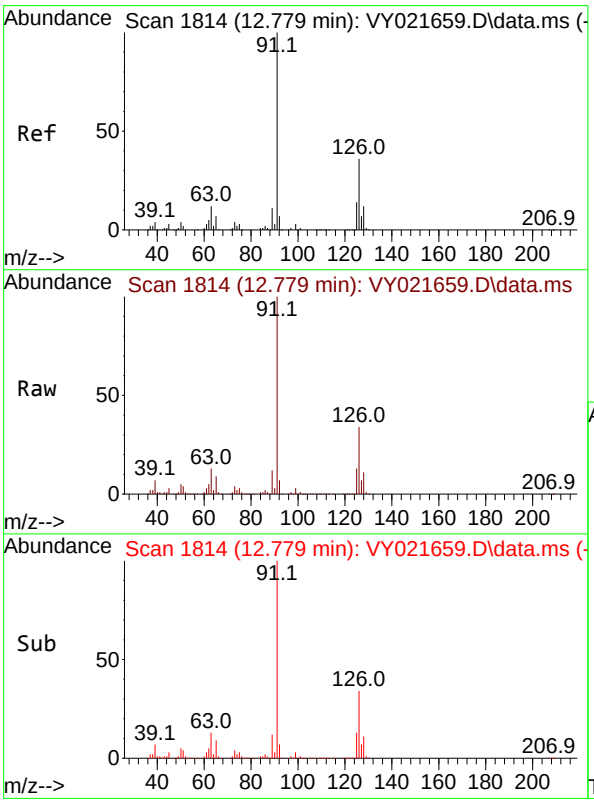
Ion	Ratio	Lower	Upper
75	100		
53	95.1	76.1	114.1
89	45.3	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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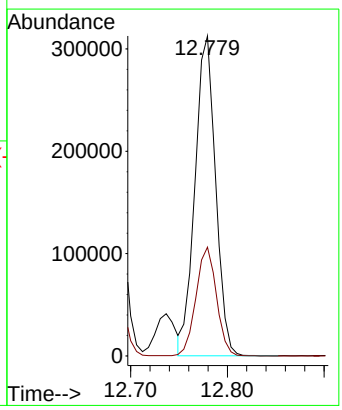
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

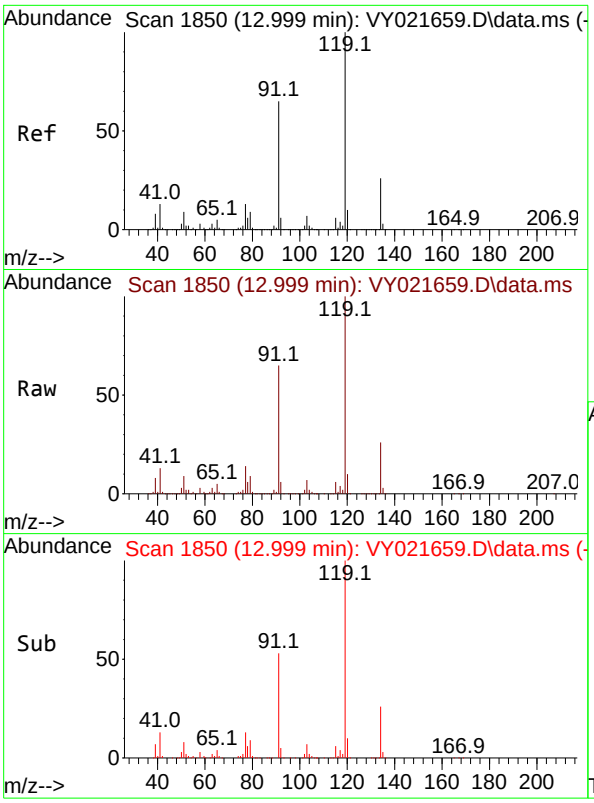


#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 463024

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

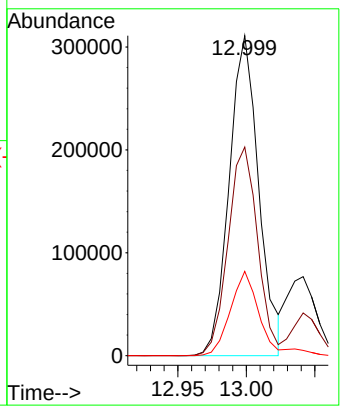




#83
tert-Butylbenzene
Concen: 51.541 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:119 Resp: 46796

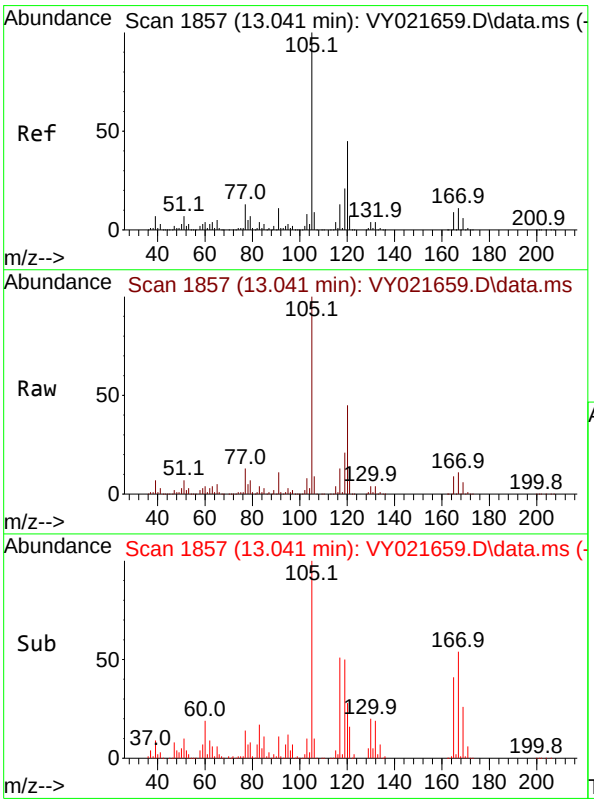
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.4	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

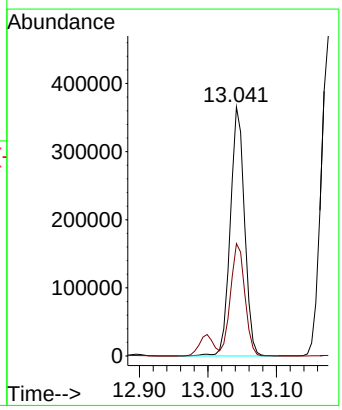
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

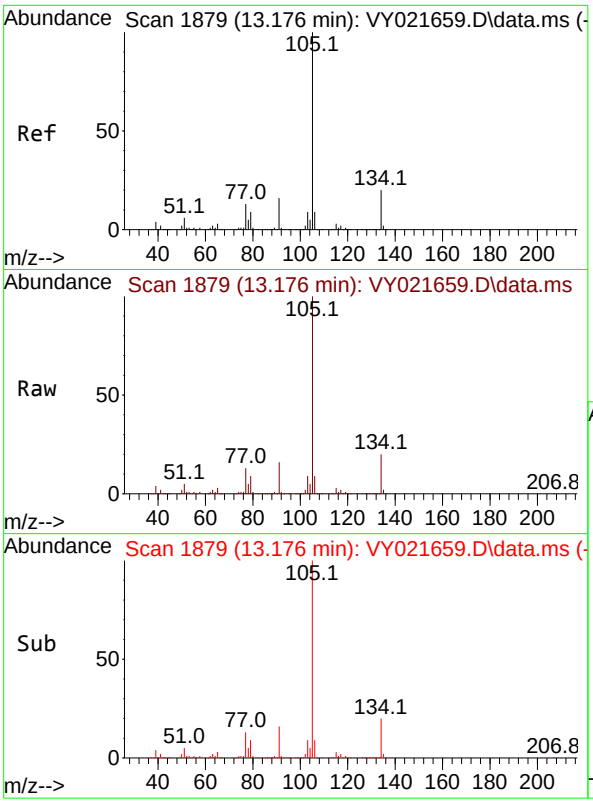


#84
1,2,4-Trimethylbenzene
Concen: 52.248 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:105 Resp: 526387

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.820 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

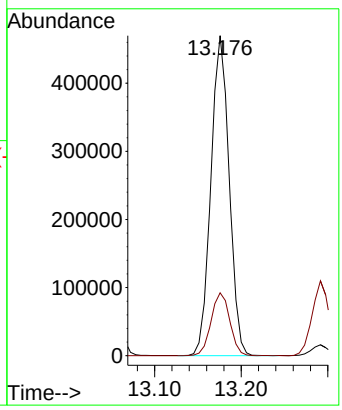
Tgt Ion:105 Resp: 68757

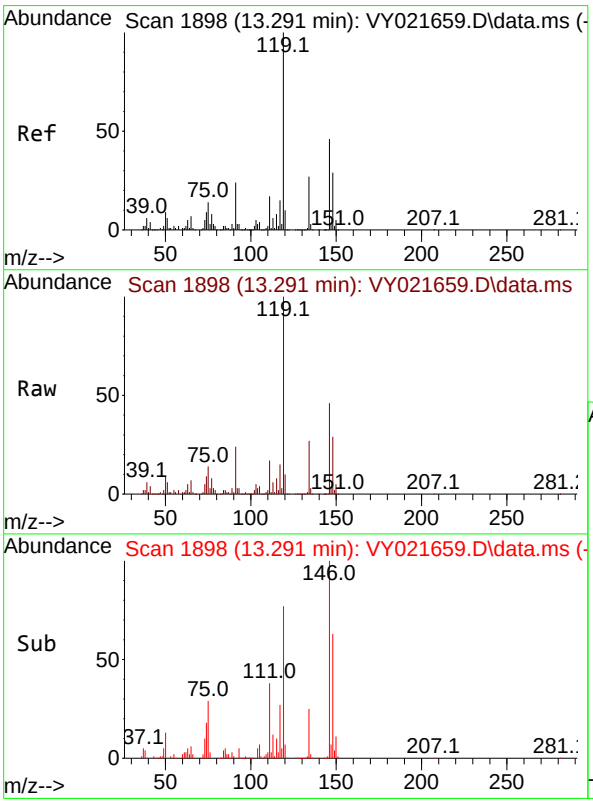
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

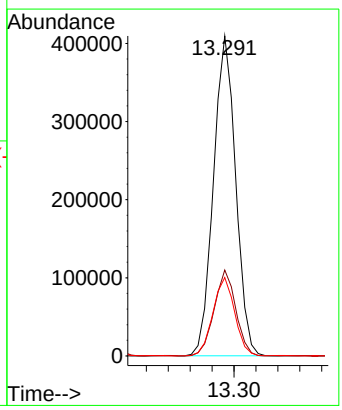


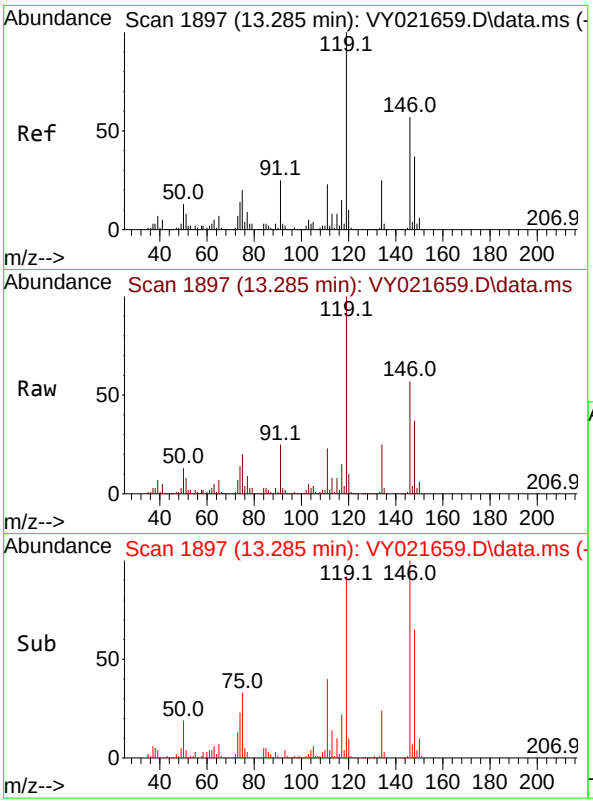


#86
p-Isopropyltoluene
Concen: 52.525 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:119 Resp: 576012

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	24.0	12.0	36.0

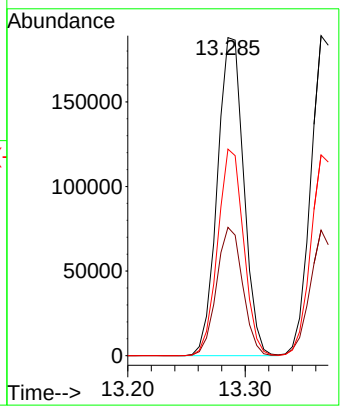




#87
1,3-Dichlorobenzene
Concen: 49.752 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:146 Resp: 29353

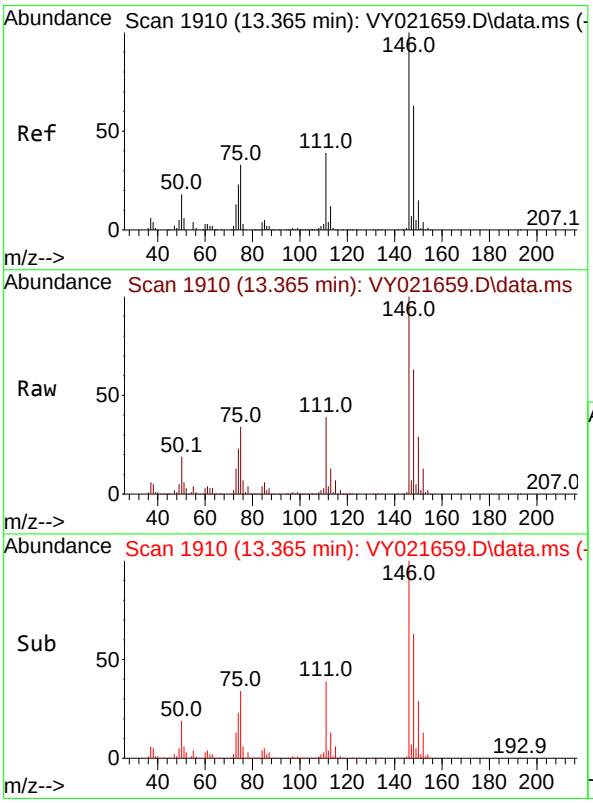
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.6	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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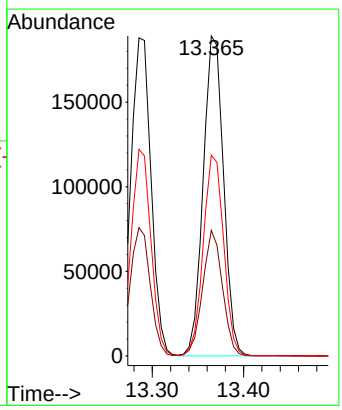
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

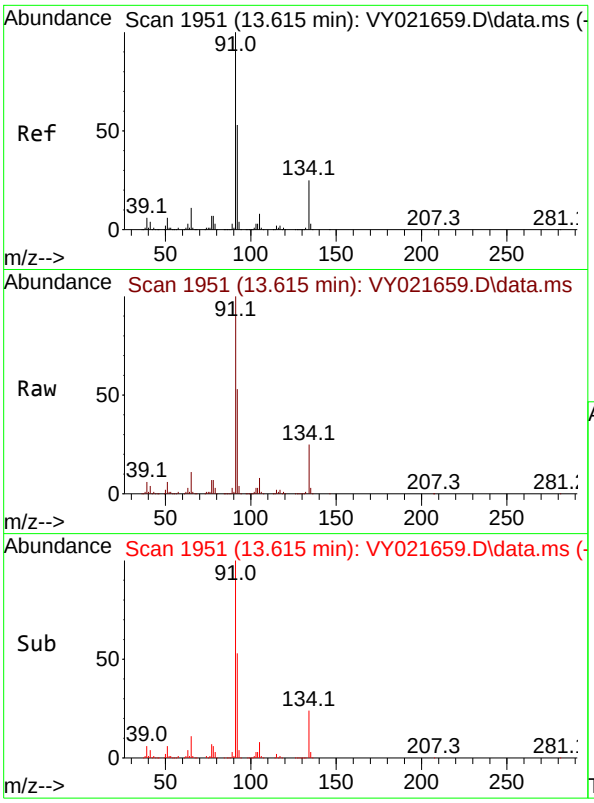


#88
1,4-Dichlorobenzene
Concen: 50.147 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:146 Resp: 292315

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.0	31.5	94.5

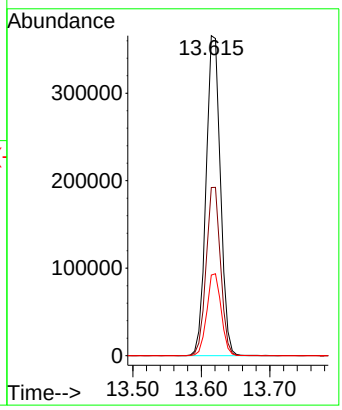




#89
n-Butylbenzene
Concen: 52.544 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 53289

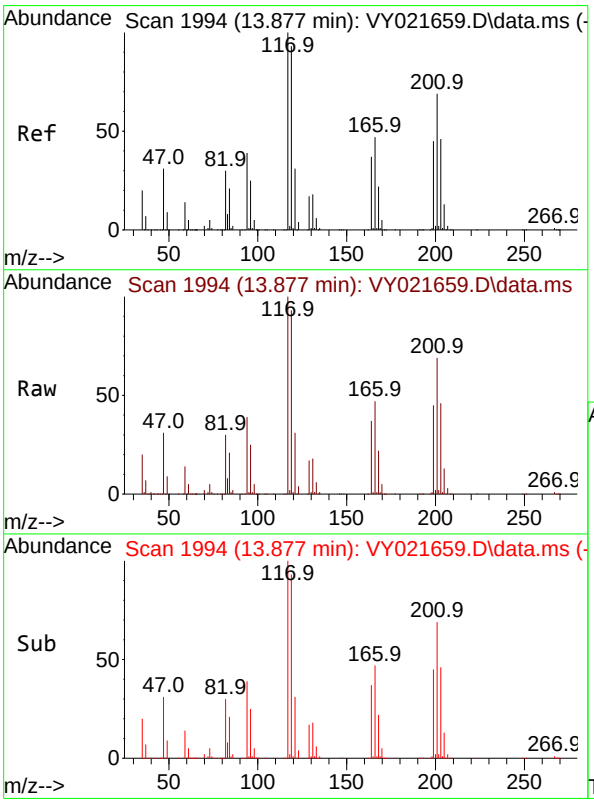
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

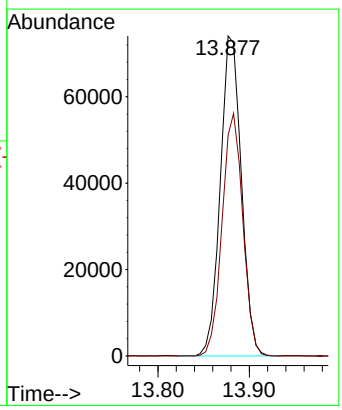
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

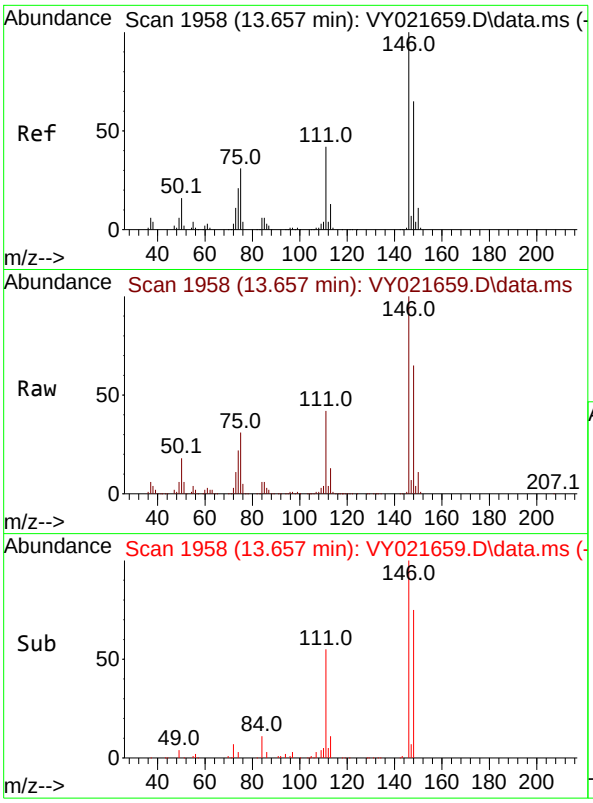


#90
Hexachloroethane
Concen: 49.396 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:117 Resp: 118708

Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.4	112.1

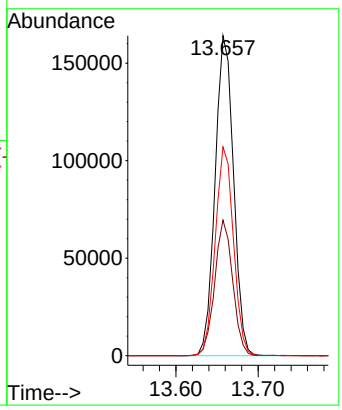




#91
1,2-Dichlorobenzene
Concen: 49.821 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:146 Resp: 25587

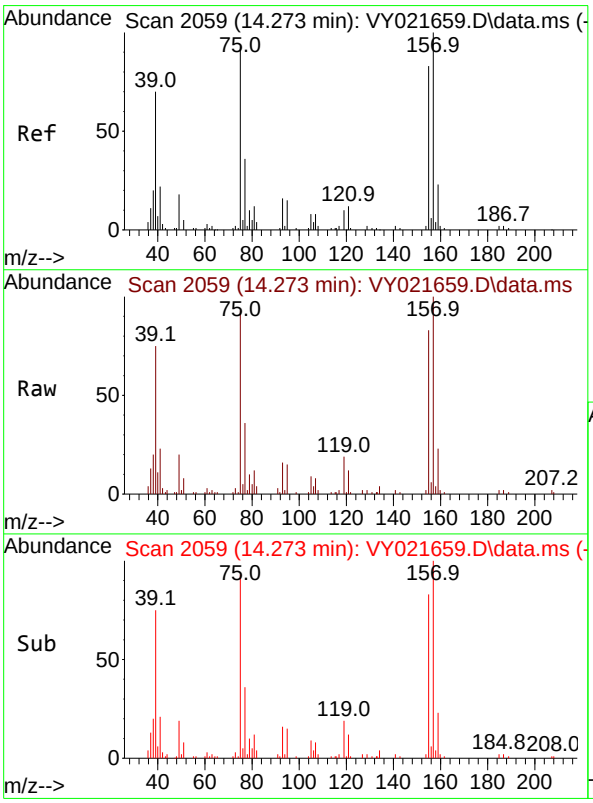
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

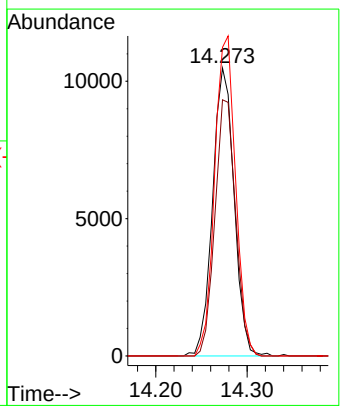
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

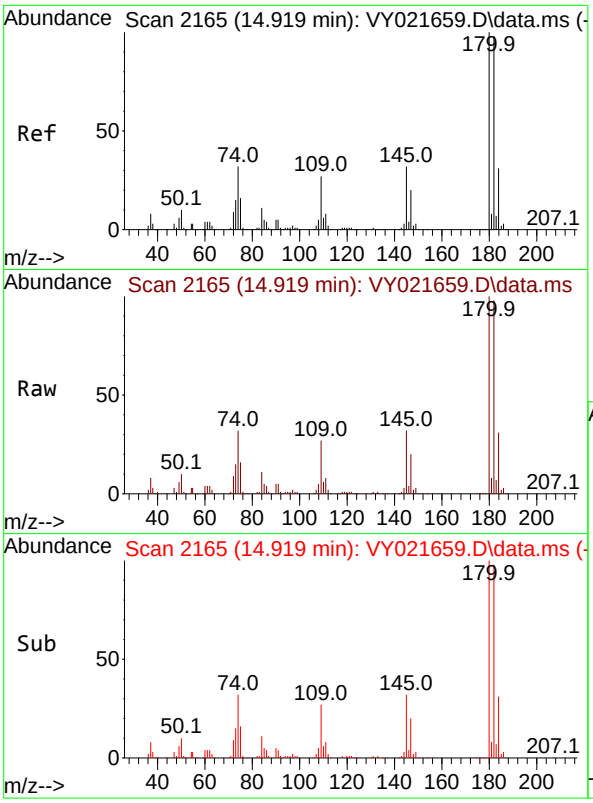


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17123

Ion	Ratio	Lower	Upper
75	100		
155	85.9	43.0	128.8
157	108.0	54.0	162.0





#93
1,2,4-Trichlorobenzene
Concen: 52.935 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

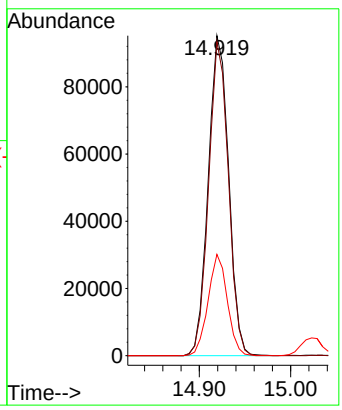
Tgt Ion:180 Resp: 14743

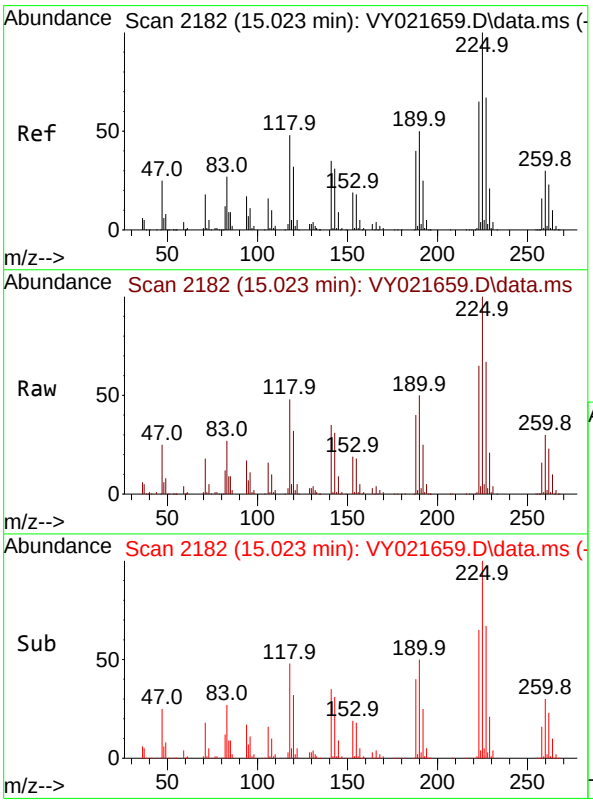
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	29.9	14.9	44.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

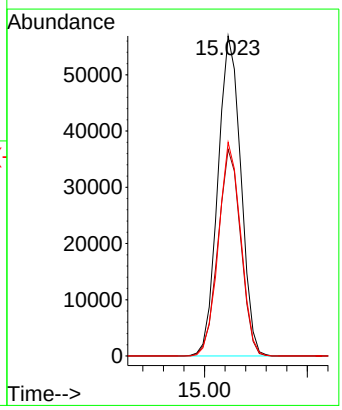


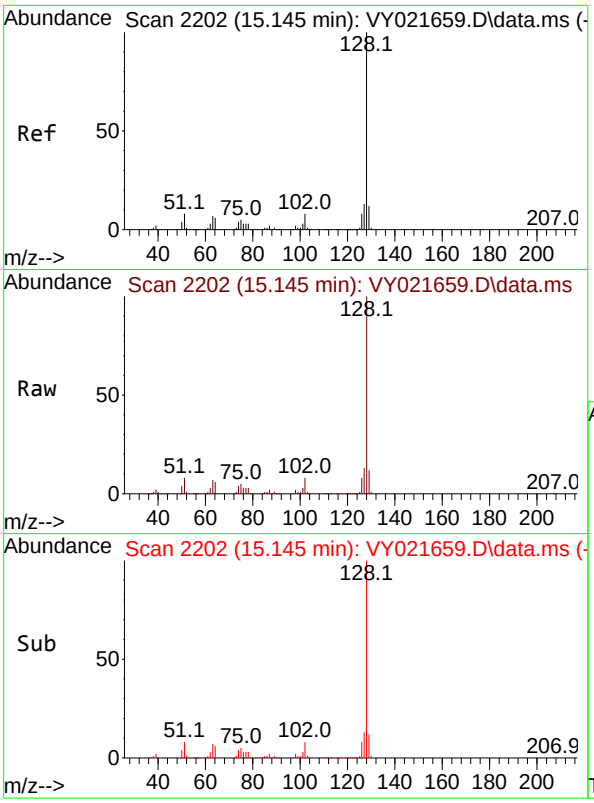


#94
Hexachlorobutadiene
Concen: 50.642 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:225 Resp: 88090

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.7	32.4	97.0

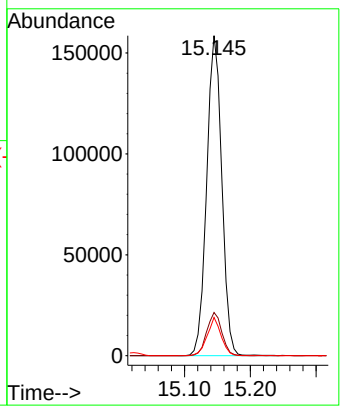




#95
Naphthalene
Concen: 54.848 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:128 Resp: 25320

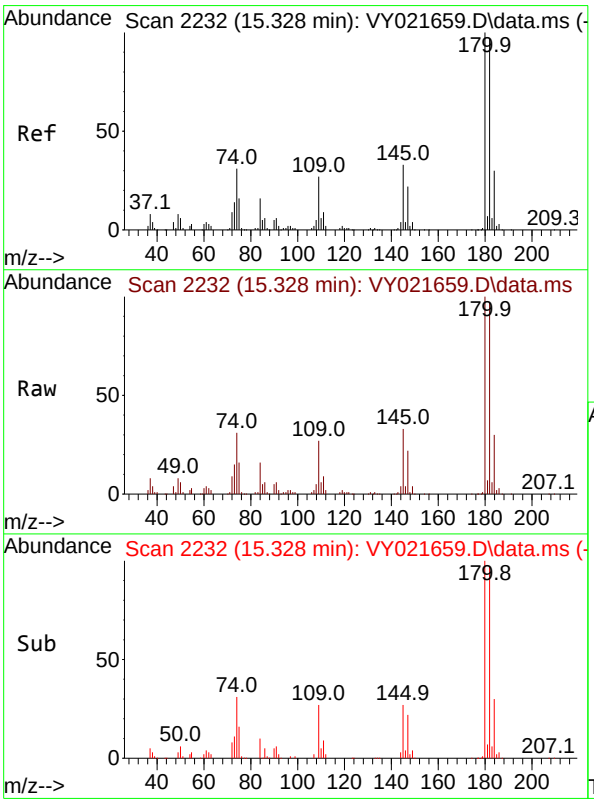
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

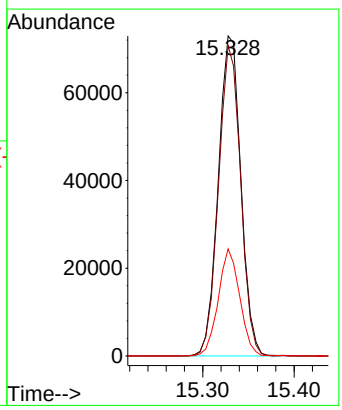
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.754 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:180 Resp: 125294

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	31.8	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.260%#			
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 200.360%#			
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 202.960%#			
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952	ug/l		100
43) Isopropyl Acetate	8.195	43	320092	95.153	ug/l		99
44) Trichloroethene	8.866	130	278937	97.190	ug/l		99
45) 1,2-Dichloropropane	9.140	63	259066	97.163	ug/l		99
46) Dibromomethane	9.231	93	145186	94.482	ug/l		97
47) Bromodichloromethane	9.420	83	386864	97.159	ug/l		99
48) Methyl methacrylate	9.219	41	157046	101.718	ug/l		98
49) 1,4-Dioxane	9.225	88	31647	1922.485	ug/l		92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331	ug/l		100
52) Toluene	10.170	92	706197	100.486	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058	ug/l		97
56) Ethyl methacrylate	10.439	69	271036	107.339	ug/l		98
57) 1,3-Dichloropropane	10.719	76	329063	96.352	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142	ug/l		100
59) 2-Hexanone	10.762	43	565086	484.686	ug/l		99
60) Dibromochloromethane	10.908	129	265151	98.207	ug/l		100
61) 1,2-Dibromoethane	11.012	107	177158	95.501	ug/l		98
64) Tetrachloroethene	10.646	164	279279	90.401	ug/l		98
65) Chlorobenzene	11.438	112	757197	97.381	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275	ug/l		100
67) Ethyl Benzene	11.518	91	1372249	102.918	ug/l		100
68) m/p-Xylenes	11.627	106	1050156	205.681	ug/l		99
69) o-Xylene	11.957	106	491895	104.369	ug/l		98
70) Styrene	11.969	104	833734	106.098	ug/l		99
71) Bromoform	12.133	173	152683	97.024	ug/l		100
73) Isopropylbenzene	12.255	105	1298221	103.486	ug/l		100
74) N-amyl acetate	12.072	43	303328	103.027	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	152979m	91.372	ug/l		
77) Bromobenzene	12.530	156	299163	99.323	ug/l		98
78) n-propylbenzene	12.597	91	1557825	103.290	ug/l		100
79) 2-Chlorotoluene	12.676	91	879334	100.382	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330	ug/l		99
82) 4-Chlorotoluene	12.780	91	910295	99.676	ug/l		99
83) tert-Butylbenzene	12.999	119	956705	104.762	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880	ug/l		100
85) sec-Butylbenzene	13.176	105	1369601	102.624	ug/l		100
86) p-Isopropyltoluene	13.292	119	1163796	105.509	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416	ug/l		99
89) n-Butylbenzene	13.615	91	1069356	104.828	ug/l		100
90) Hexachloroethane	13.877	117	239487	99.078	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943	ug/l		99
94) Hexachlorobutadiene	15.023	225	172909	98.829	ug/l		99
95) Naphthalene	15.145	128	508449	109.498	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

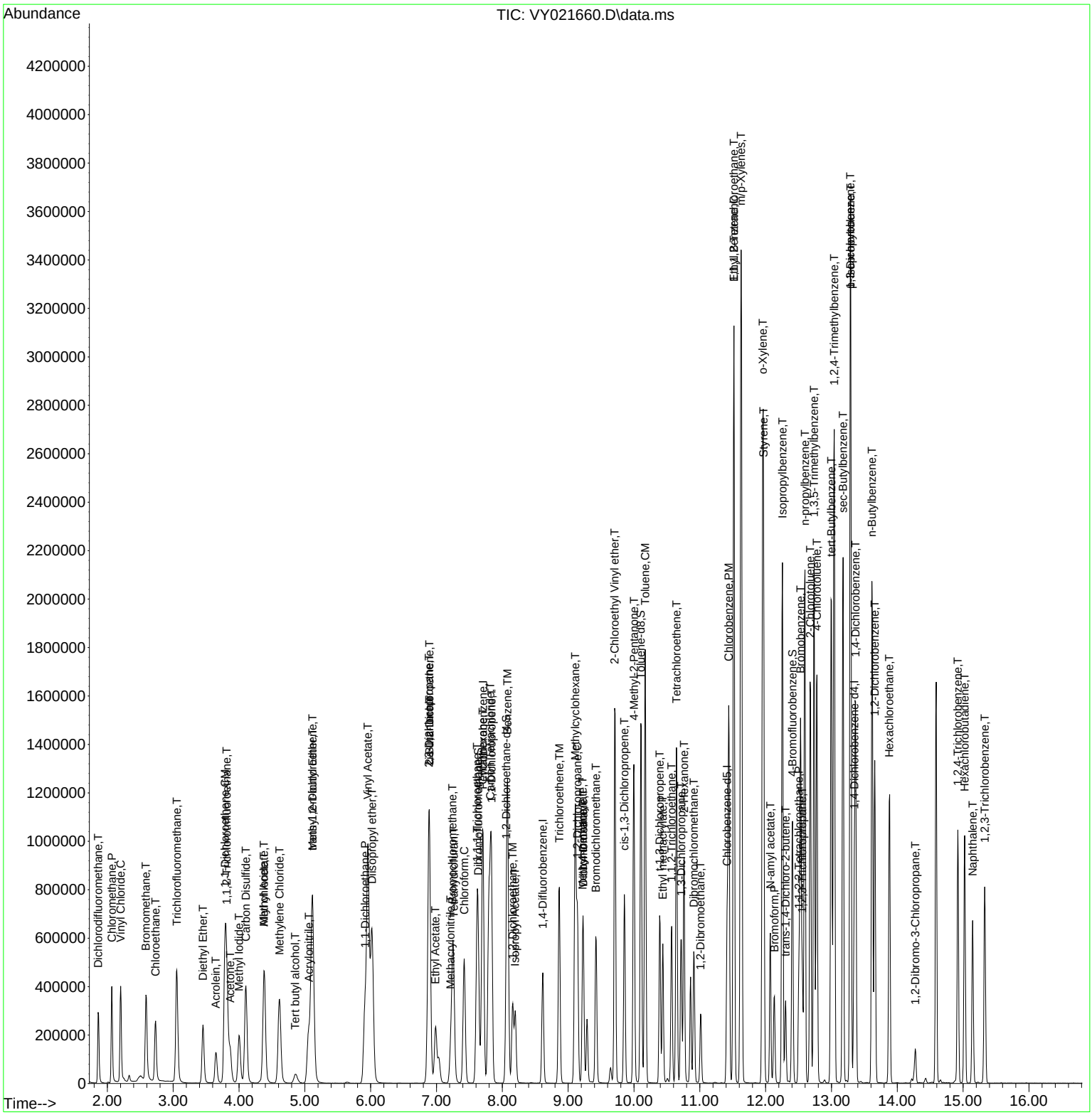
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Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

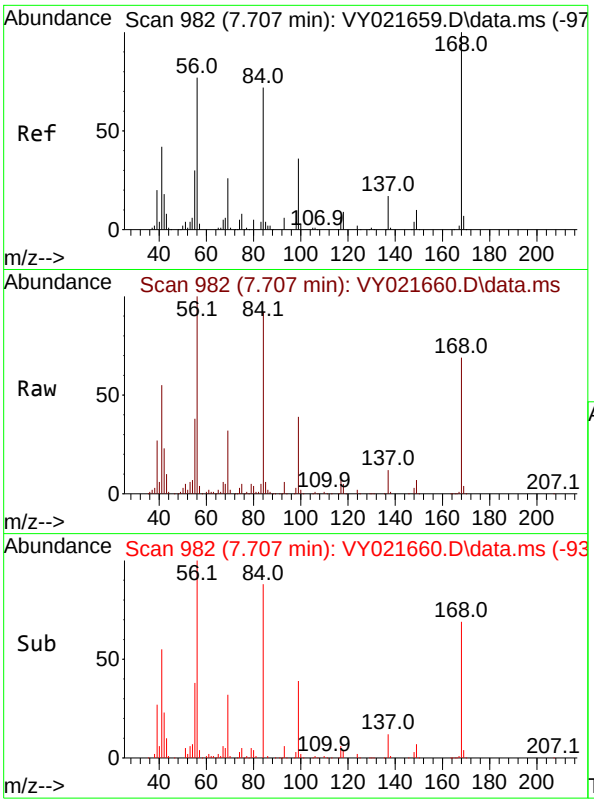
Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

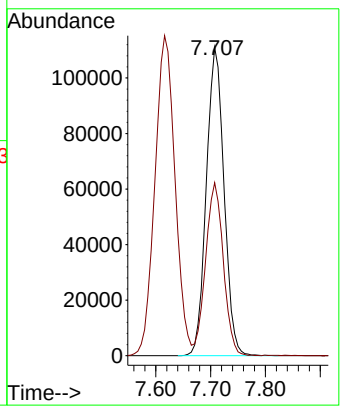




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:168 Resp: 24804

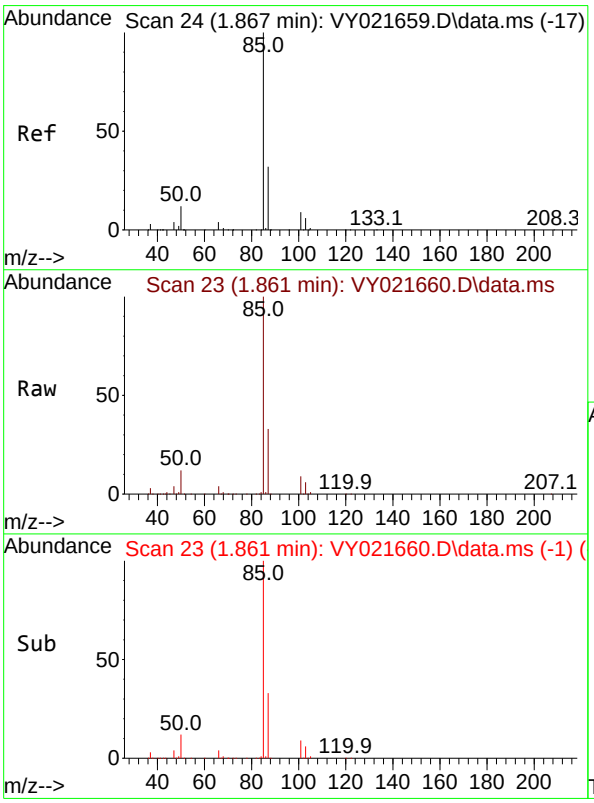
Ion	Ratio	Lower	Upper
168	100		
99	56.0	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

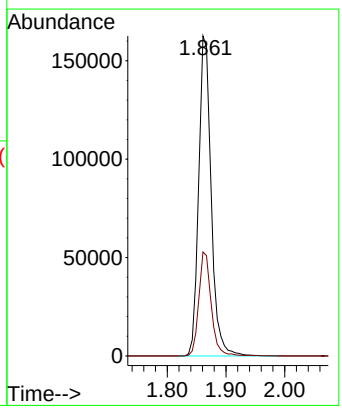
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

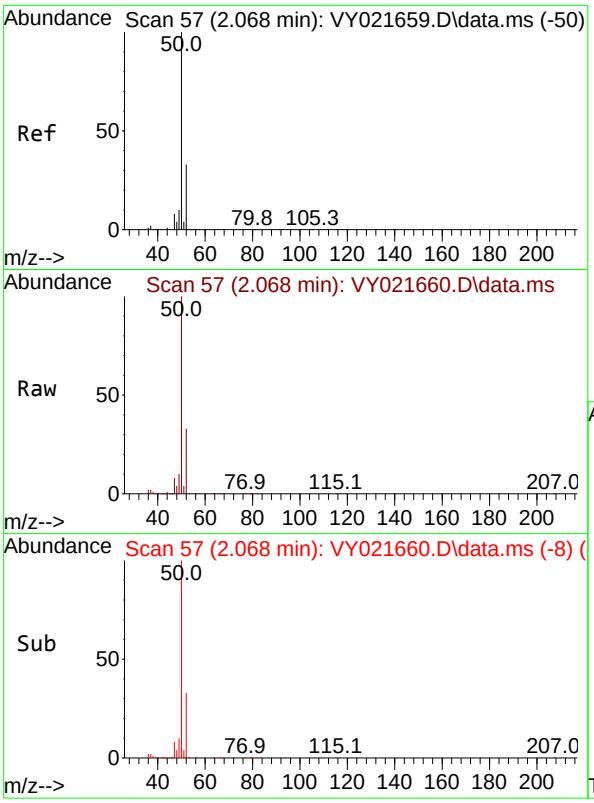


#2
Dichlorodifluoromethane
Concen: 93.569 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 85 Resp: 240555

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.6

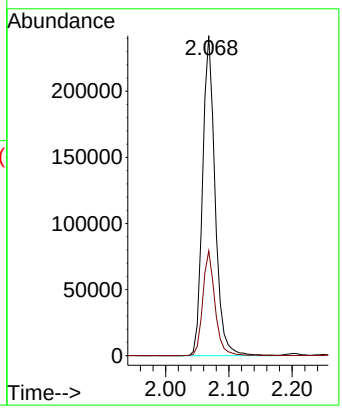




#3
Chloromethane
Concen: 92.202 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 50 Resp: 33331

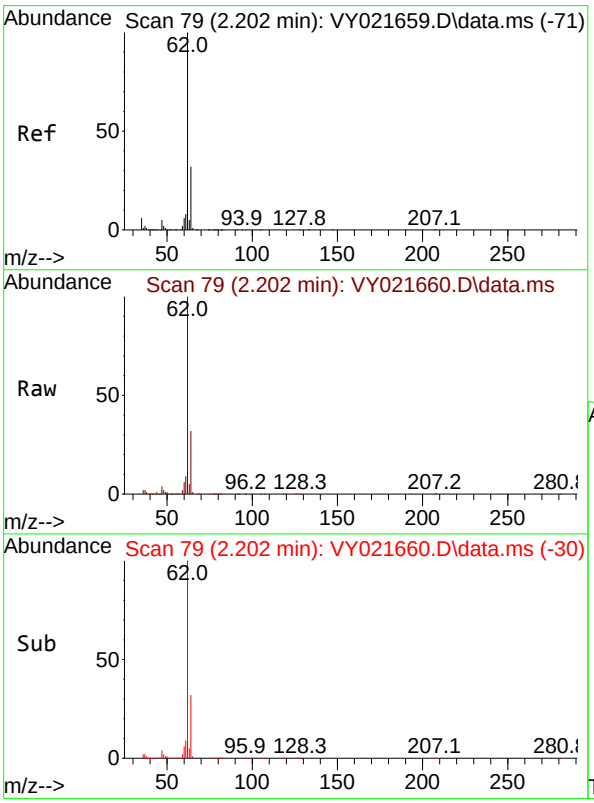
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

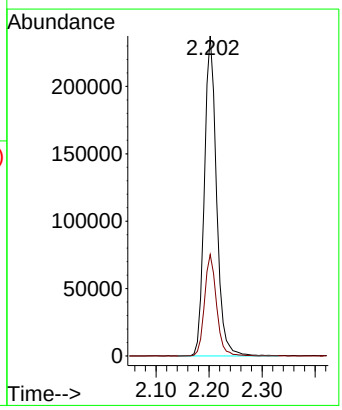
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

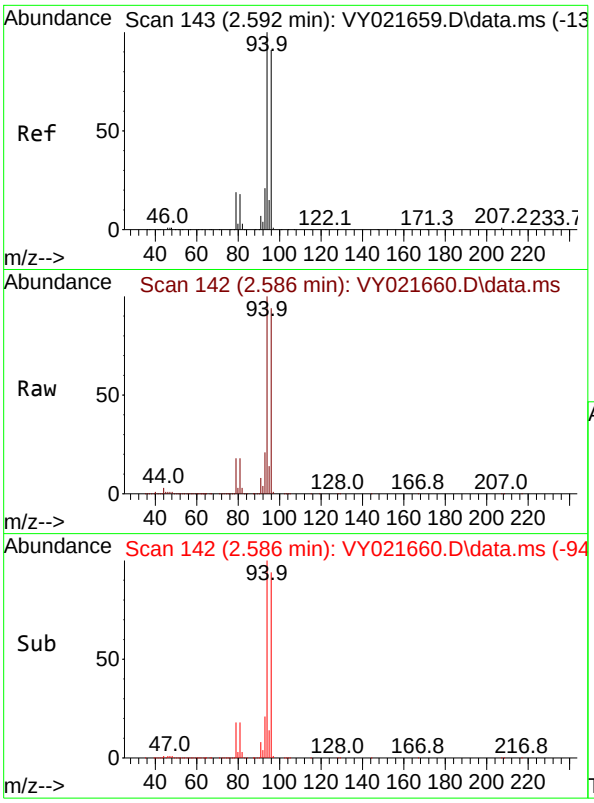


#4
Vinyl Chloride
Concen: 91.934 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 375853

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.5	38.3





#5
Bromomethane
Concen: 87.885 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

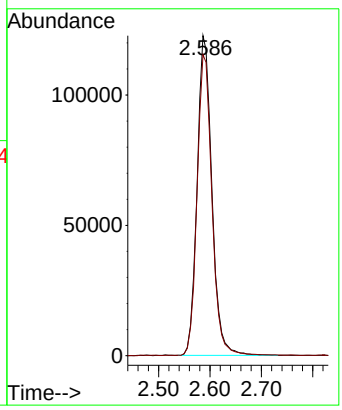
Tgt Ion: 94 Resp: 24505

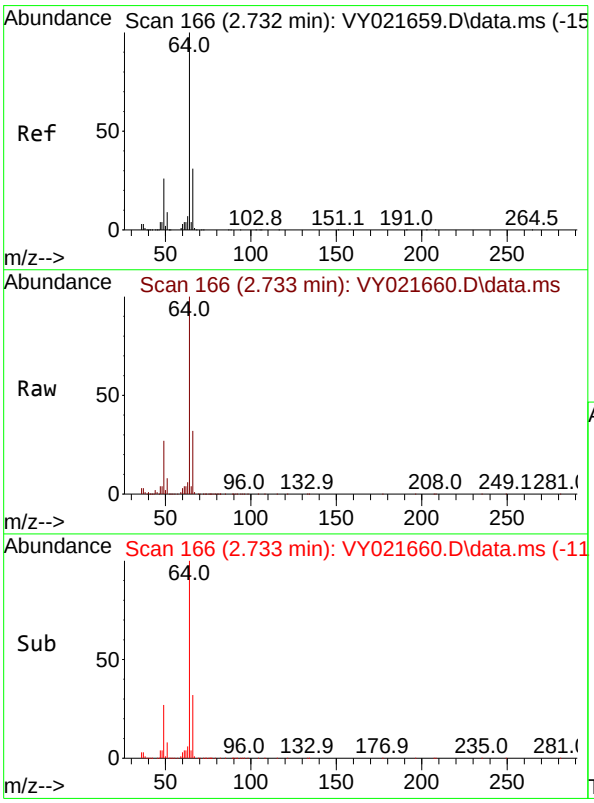
Ion	Ratio	Lower	Upper
94	100		
96	94.0	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

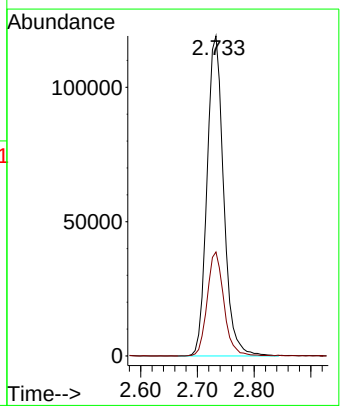


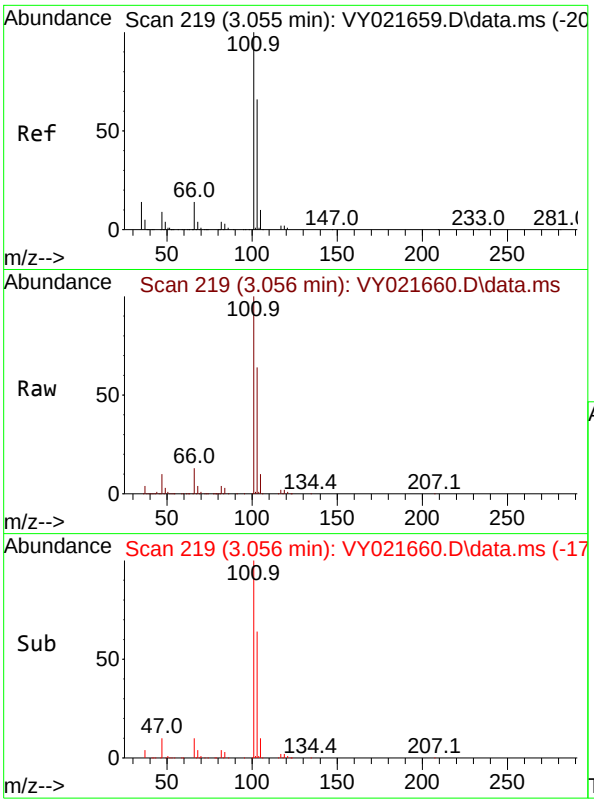


#6
Chloroethane
Concen: 90.810 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 64 Resp: 242934

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.9	37.3

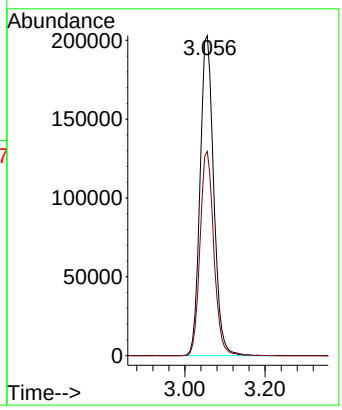




#7
Trichlorofluoromethane
Concen: 91.568 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:101 Resp: 47955

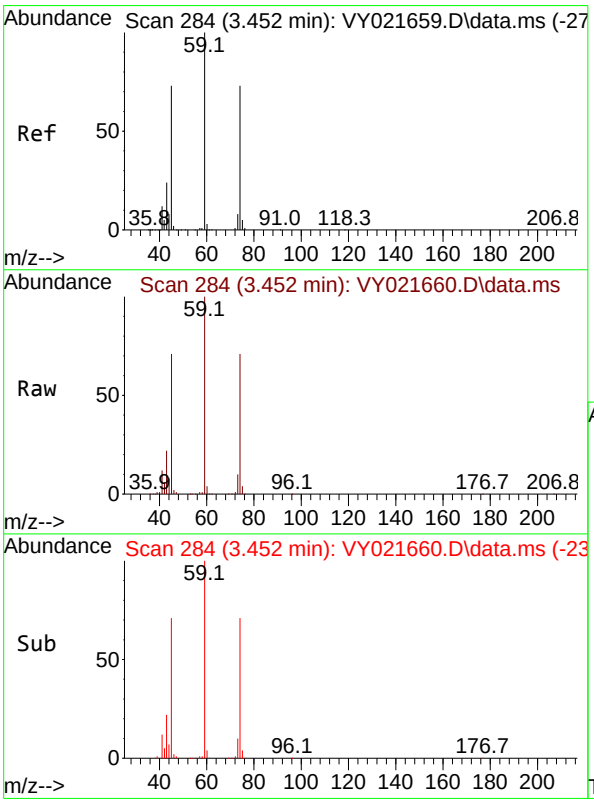
Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

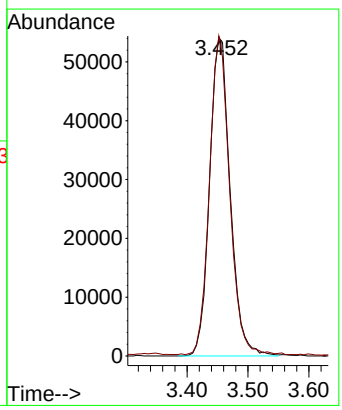
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

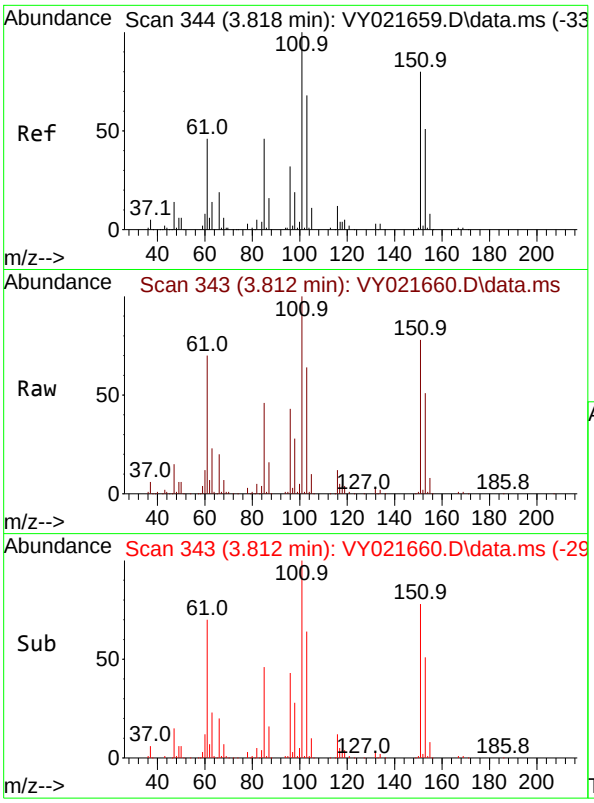


#8
Diethyl Ether
Concen: 89.276 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 74 Resp: 127148

Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.6	145.8

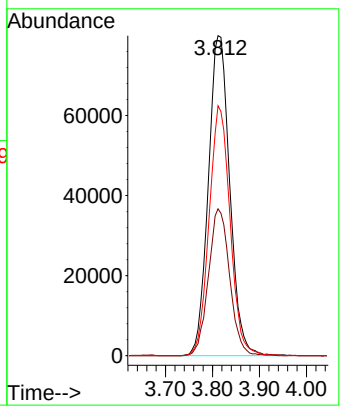




#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.550 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:101 Resp: 25287

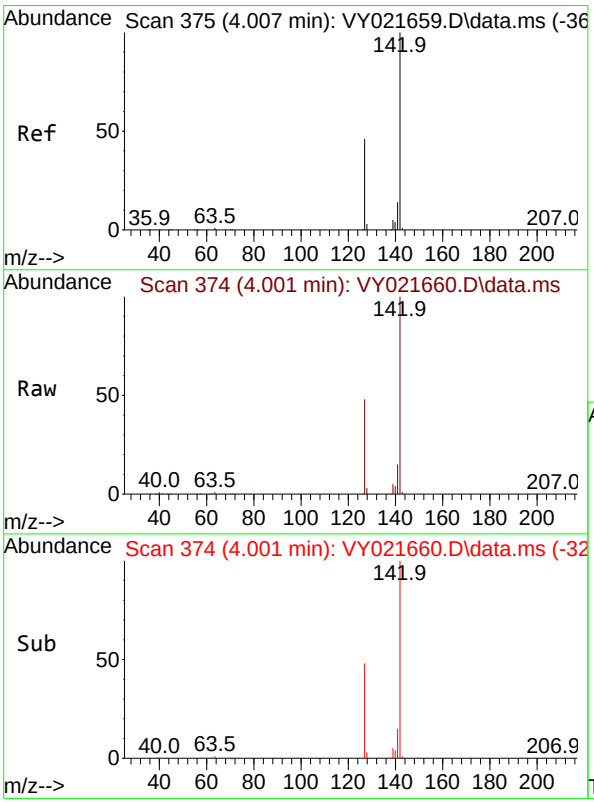
Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	76.7	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

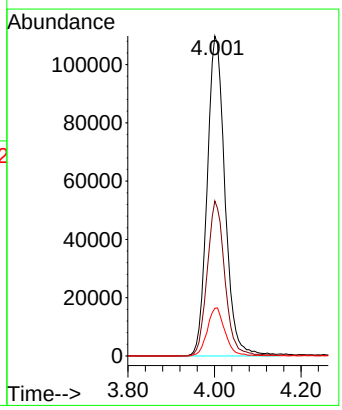
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

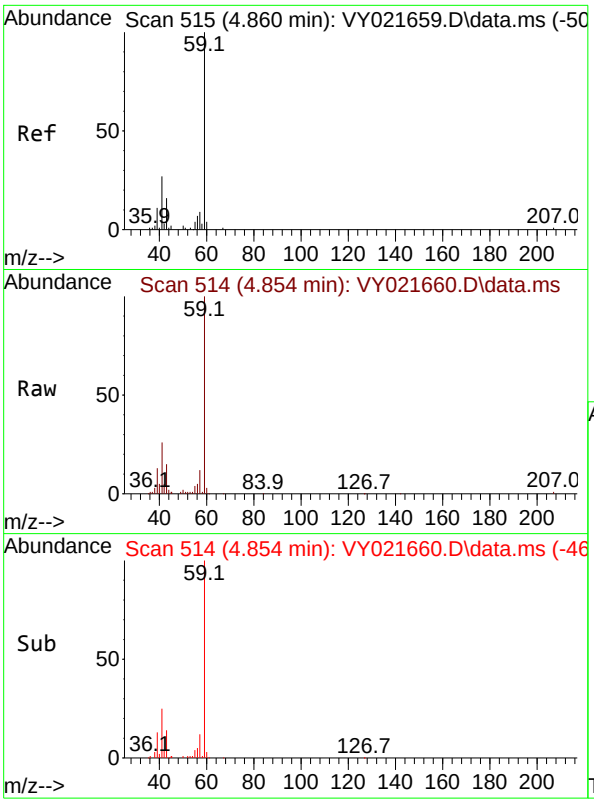


#10
Methyl Iodide
Concen: 103.371 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:142 Resp: 313241

Ion	Ratio	Lower	Upper
142	100		
127	48.2	38.7	58.1
141	15.0	11.5	17.3

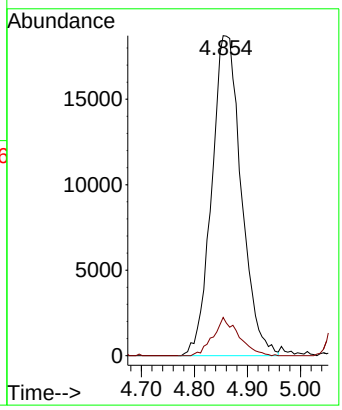




#11
Tert butyl alcohol
Concen: 415.131 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 59 Resp: 7246

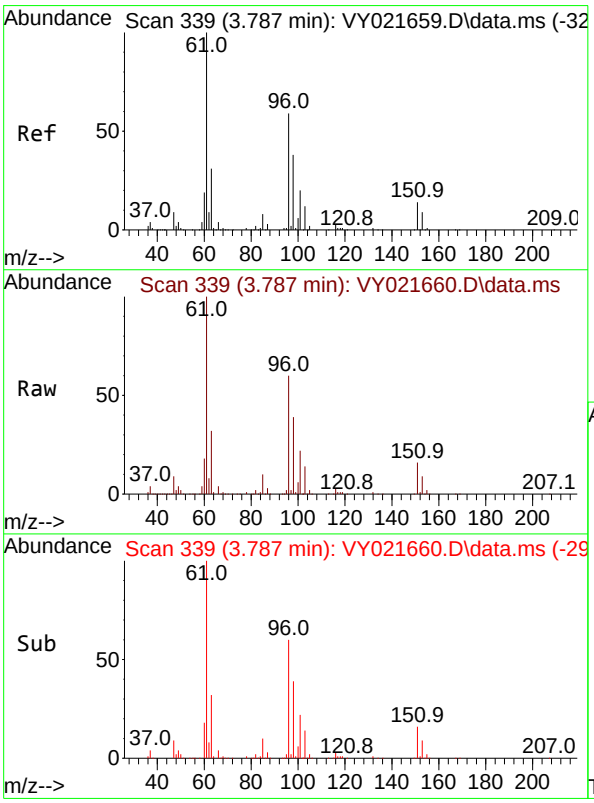
Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

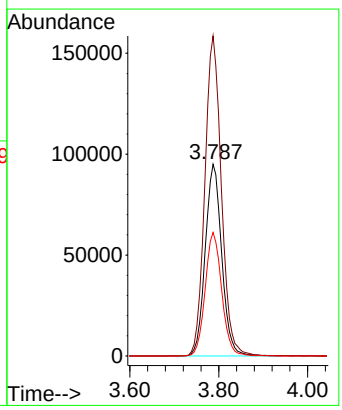
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

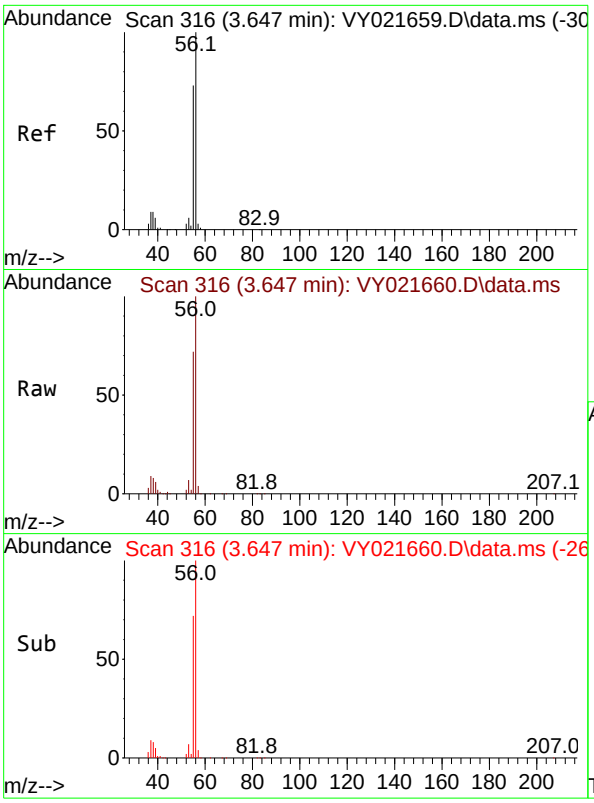


#12
1,1-Dichloroethene
Concen: 94.504 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 96 Resp: 245873

Ion	Ratio	Lower	Upper
96	100		
61	166.9	136.6	204.8
98	64.4	52.3	78.5

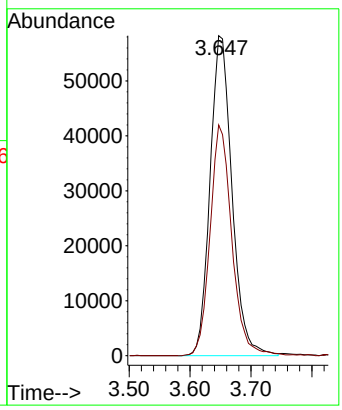




#13
Acrolein
Concen: 456.581 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 56 Resp: 14552

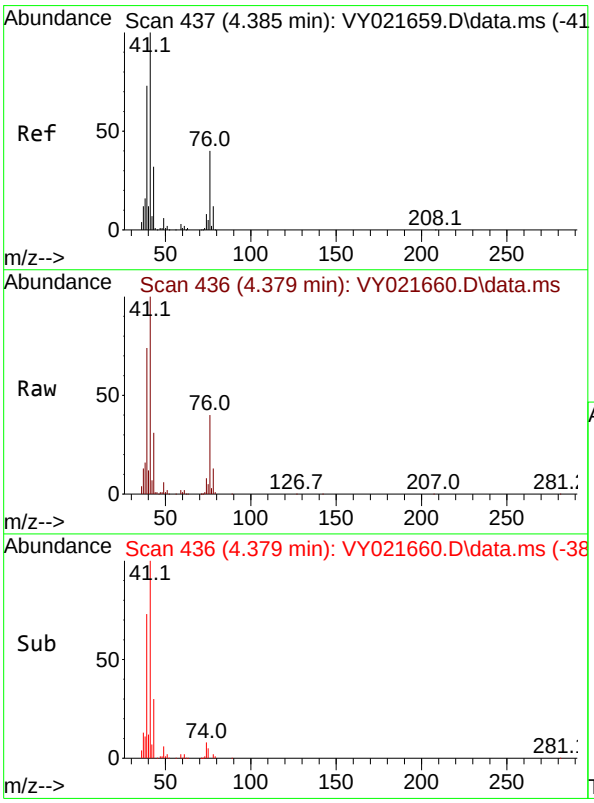
Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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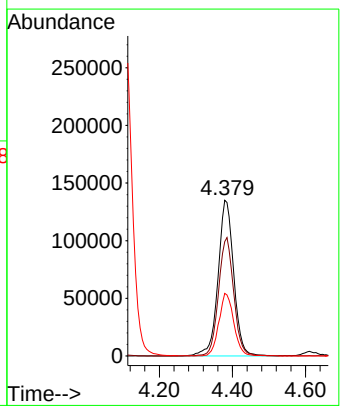
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

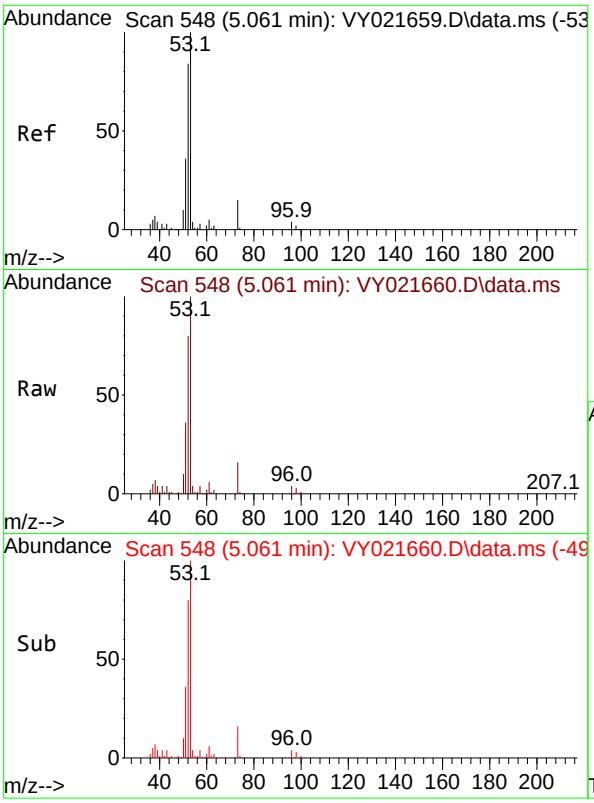


#14
Allyl chloride
Concen: 97.292 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 403587

Ion	Ratio	Lower	Upper
41	100		
39	74.0	58.6	88.0
76	38.3	30.3	45.5





#15
Acrylonitrile
Concen: 454.005 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

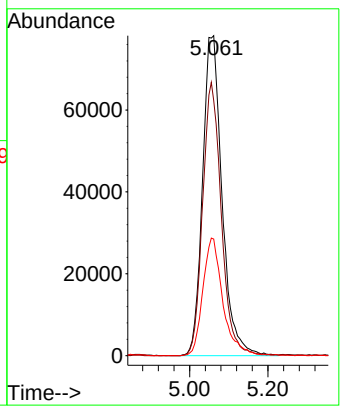
Tgt Ion: 53 Resp: 269979

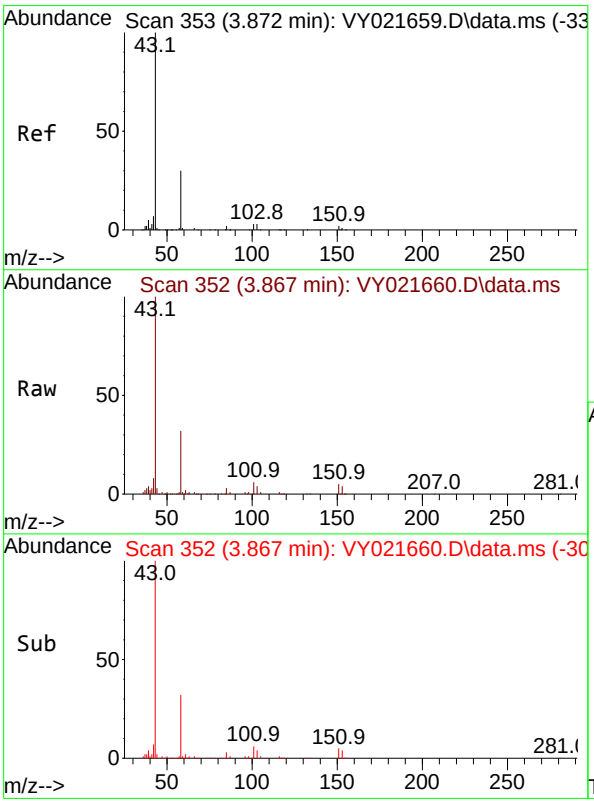
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.9	97.3
51	37.8	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

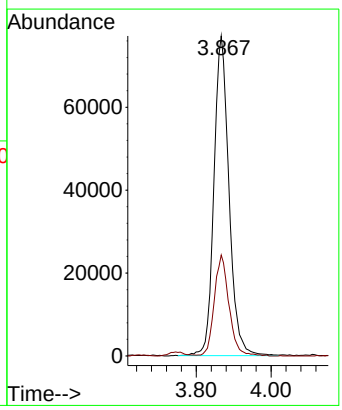


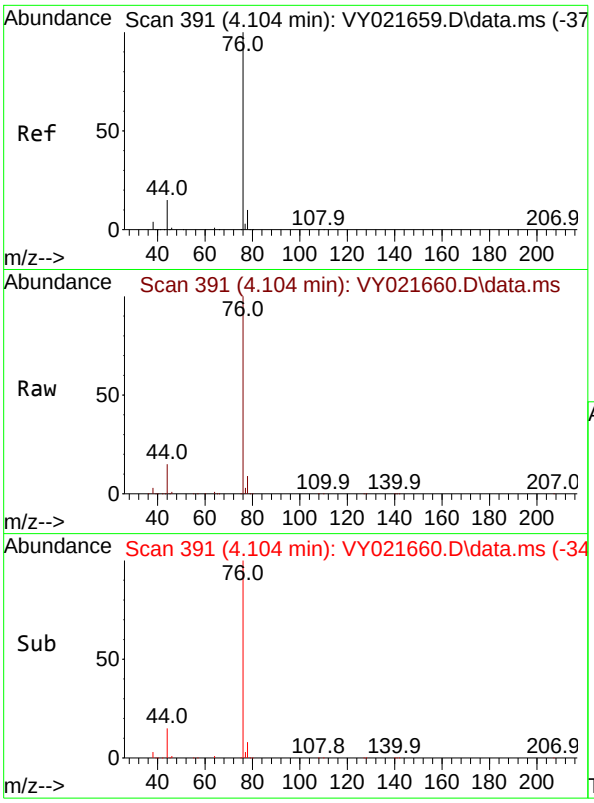


#16
Acetone
Concen: 391.376 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 215263

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.2	36.4

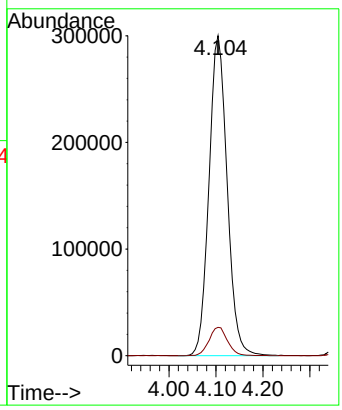




#17
Carbon Disulfide
Concen: 93.952 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 76 Resp: 80510

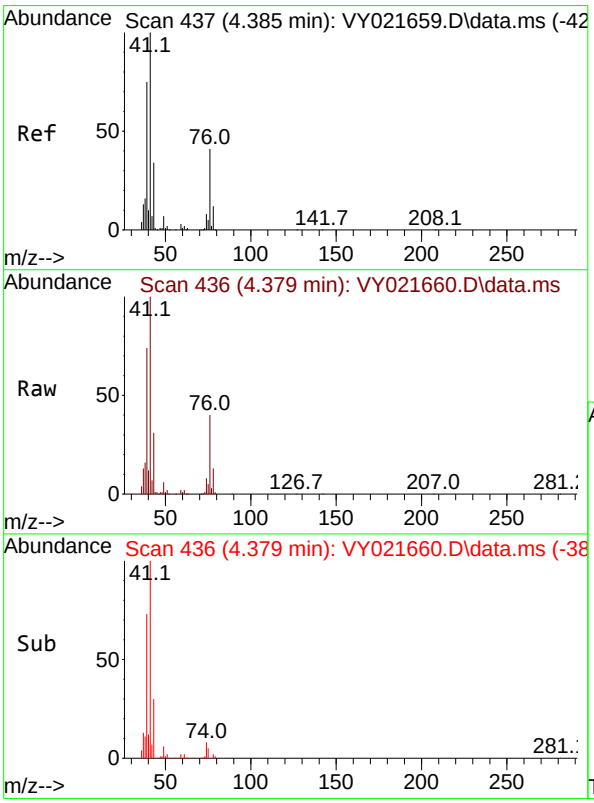
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

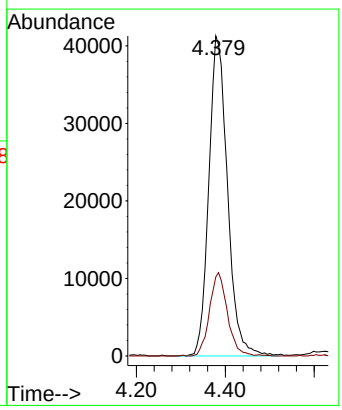
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

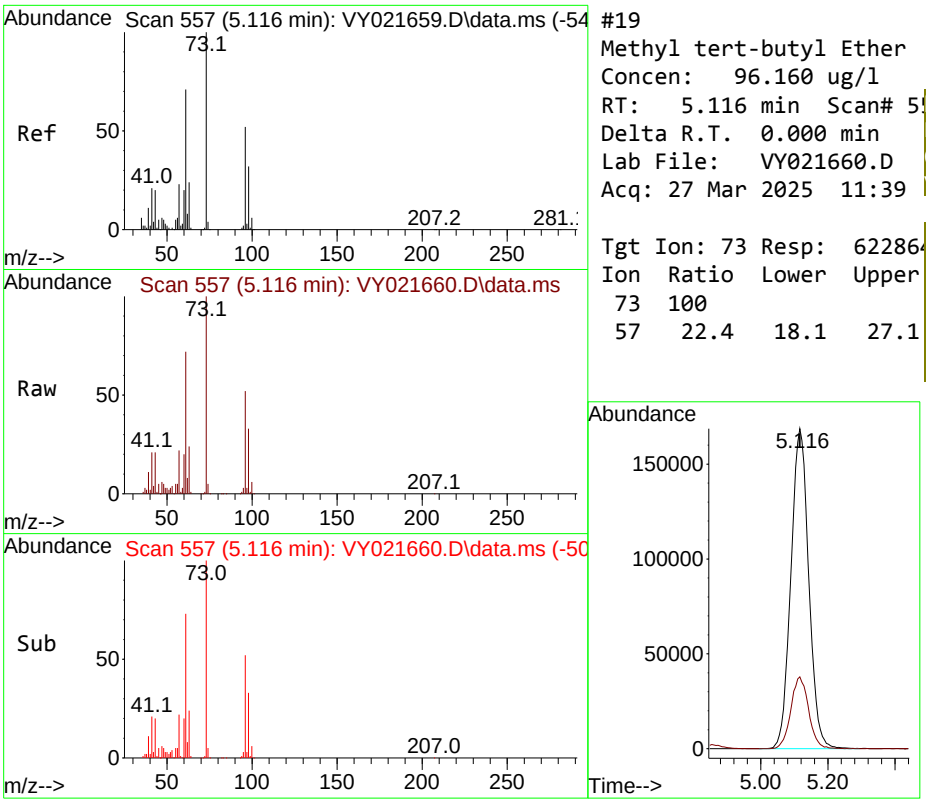


#18
Methyl Acetate
Concen: 88.304 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 120373

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 96.160 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

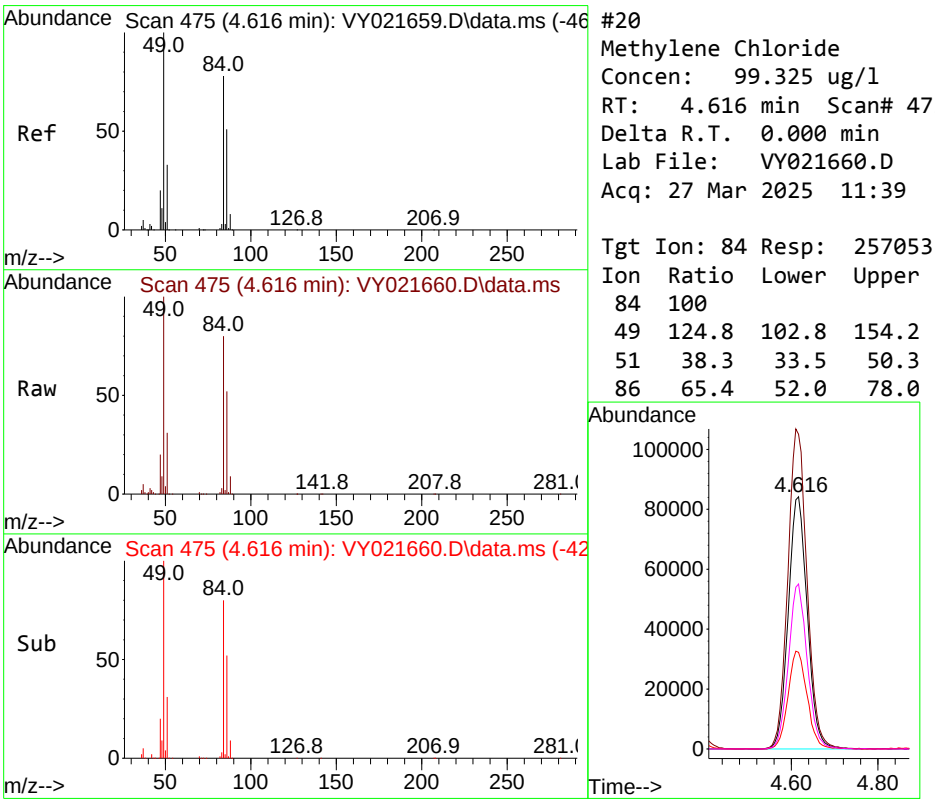
Tgt Ion: 73 Resp: 62286

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

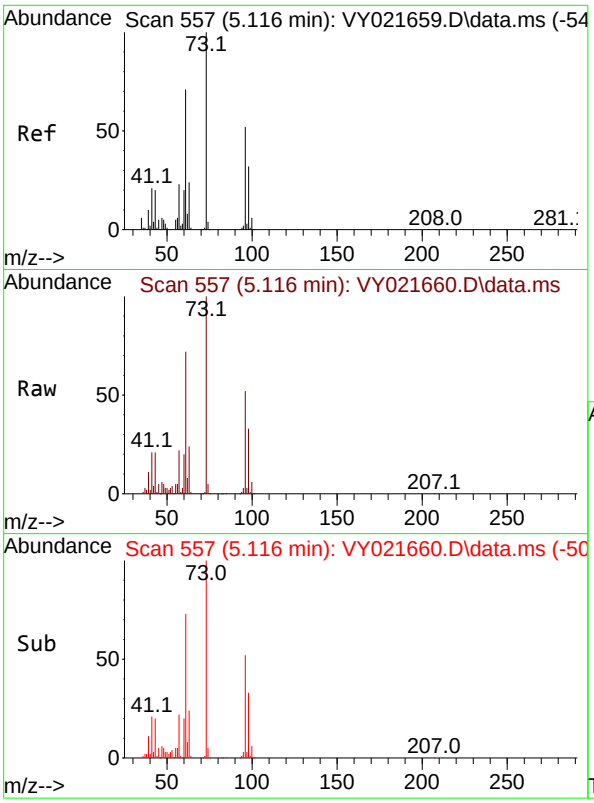
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#20
Methylene Chloride
Concen: 99.325 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 84 Resp: 257053

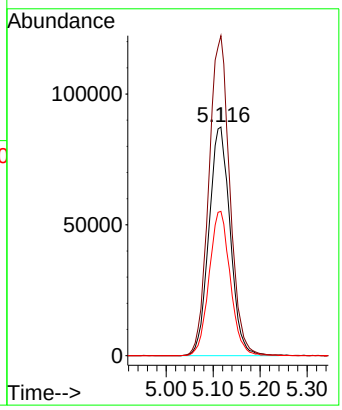
Ion	Ratio	Lower	Upper
84	100		
49	124.8	102.8	154.2
51	38.3	33.5	50.3
86	65.4	52.0	78.0



#21
trans-1,2-Dichloroethene
Concen: 95.485 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 96 Resp: 27352

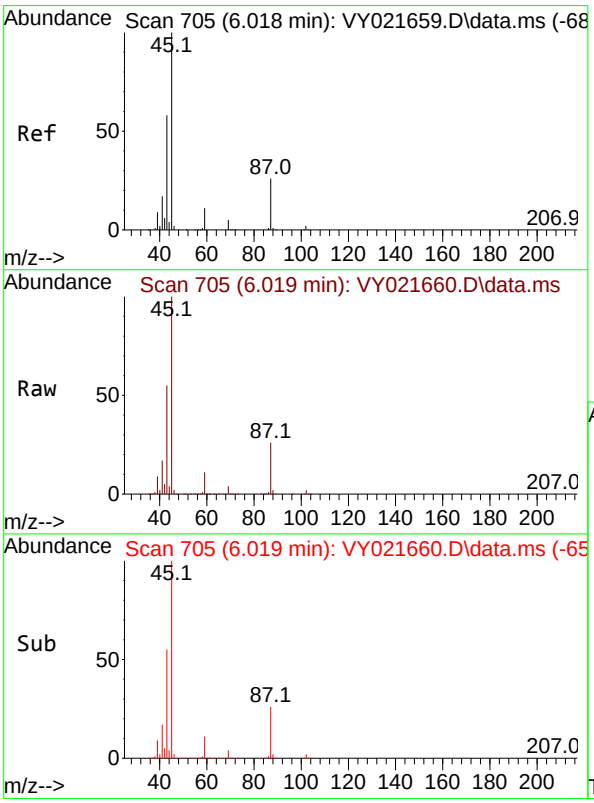
Ion	Ratio	Lower	Upper
96	100		
61	140.0	109.4	164.0
98	63.1	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

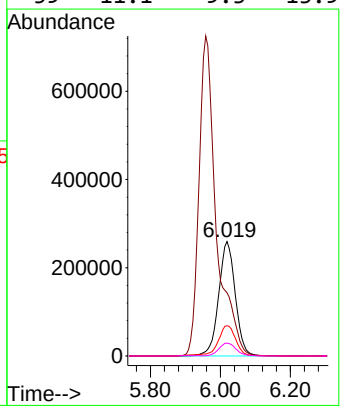
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

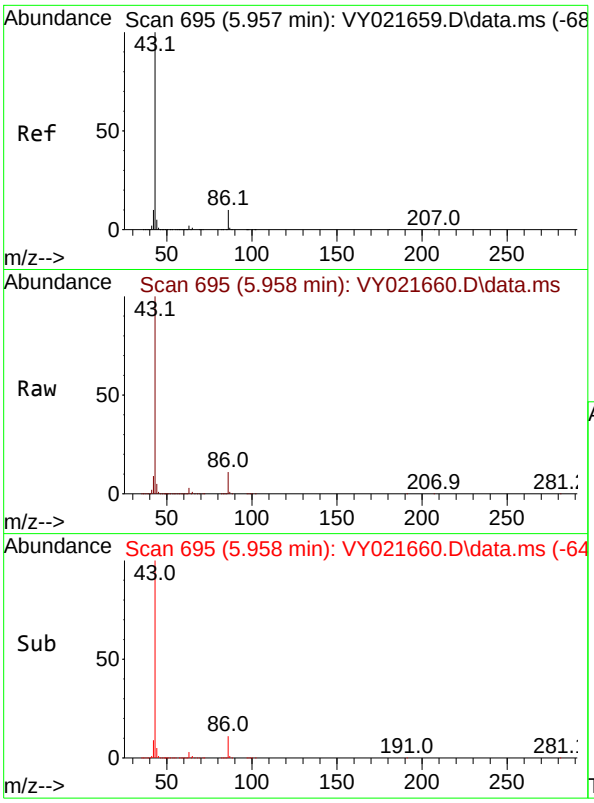


#22
Diisopropyl ether
Concen: 98.345 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 45 Resp: 855783

Ion	Ratio	Lower	Upper
45	100		
43	55.2	46.6	69.8
87	26.5	20.7	31.1
59	11.1	9.3	13.9





#23
Vinyl Acetate
Concen: 489.304 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

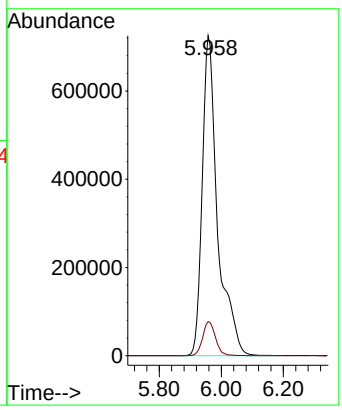
Tgt Ion: 43 Resp: 249086

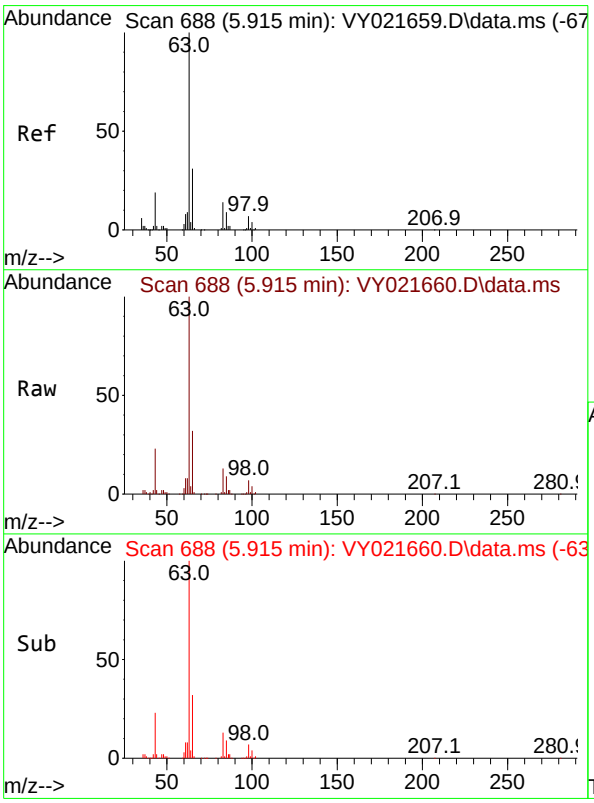
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

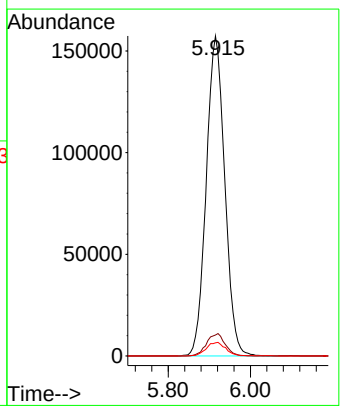


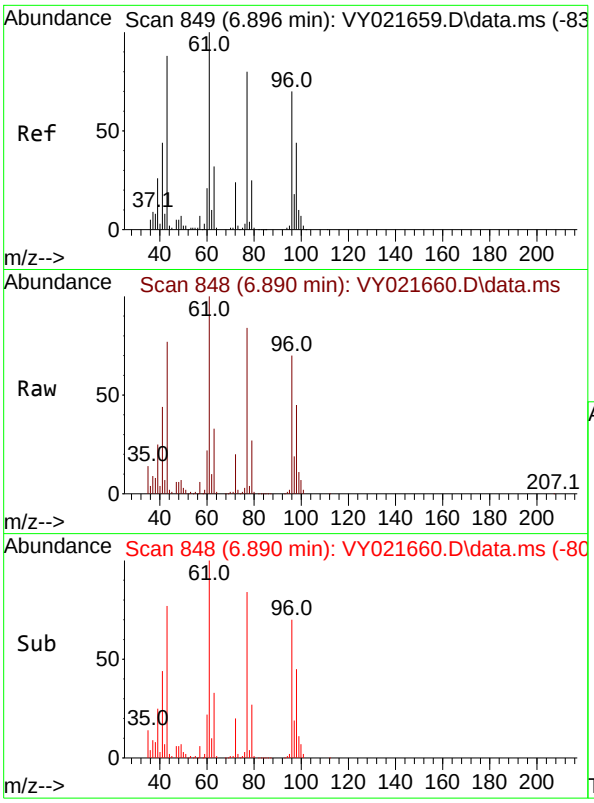


#24
1,1-Dichloroethane
Concen: 94.595 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 492205

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	4.1	2.2	6.6





#25
2-Butanone
Concen: 442.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

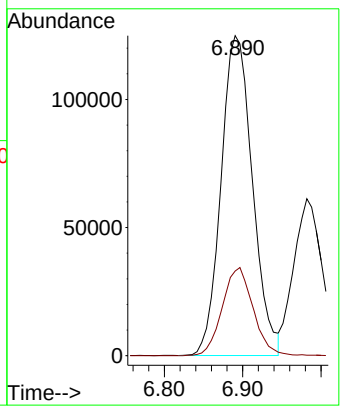
Tgt Ion: 43 Resp: 34801

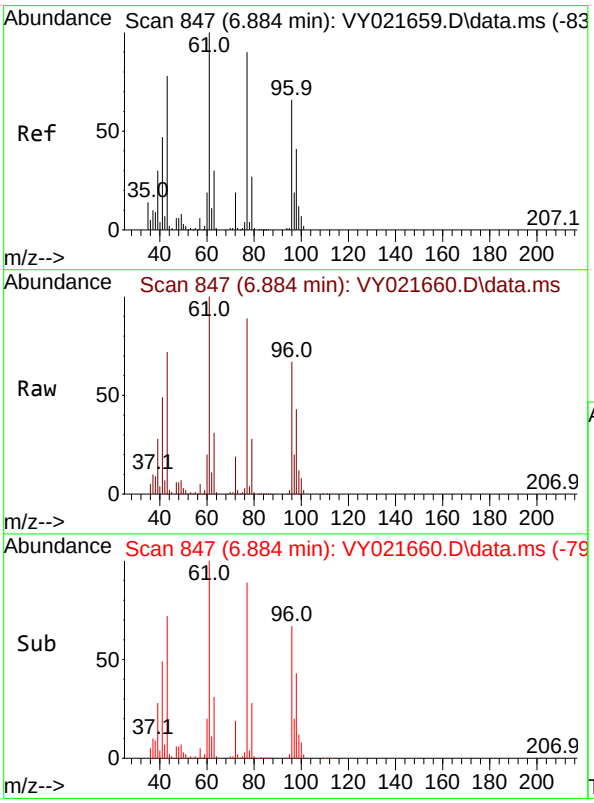
Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

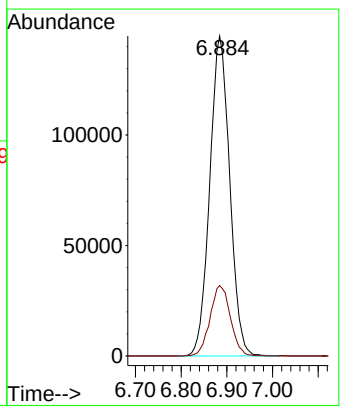


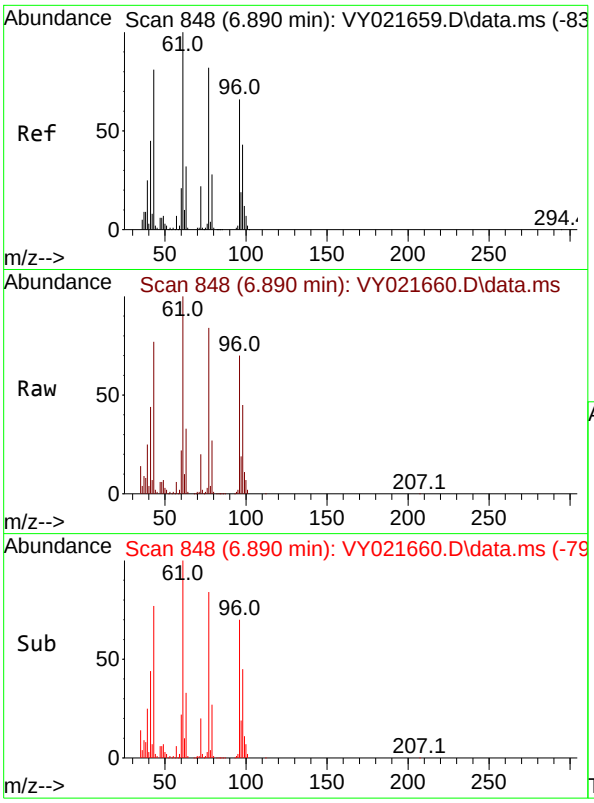


#26
2,2-Dichloropropane
Concen: 94.960 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 77 Resp: 439519

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 97.115 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

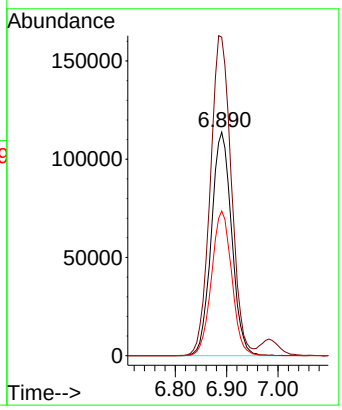
Tgt Ion: 96 Resp: 31284

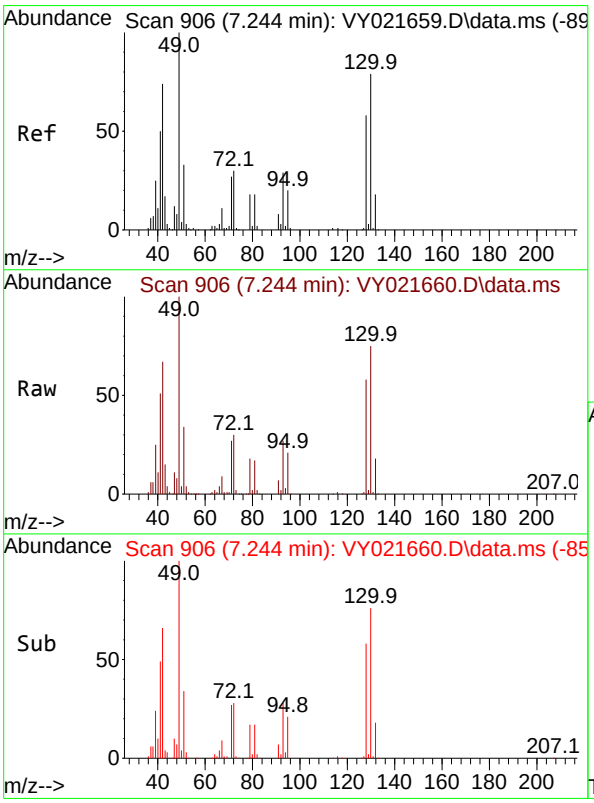
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	296.4
98	64.2	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

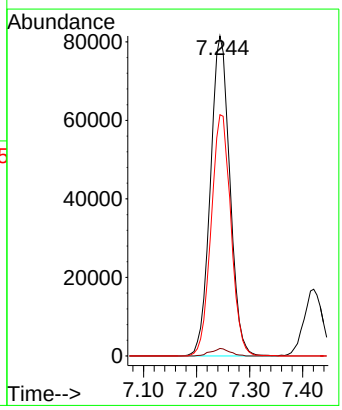


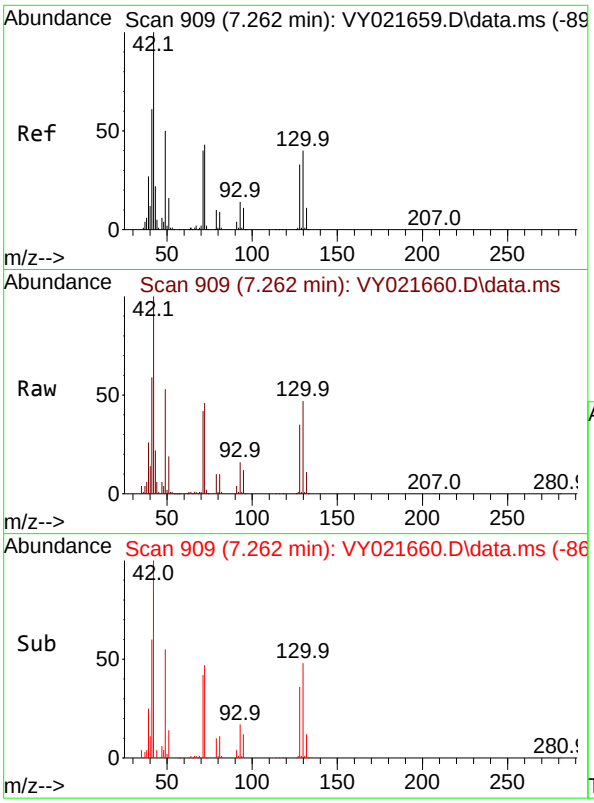


#28
Bromochloromethane
Concen: 94.860 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 49 Resp: 208162

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.3	60.1	90.1

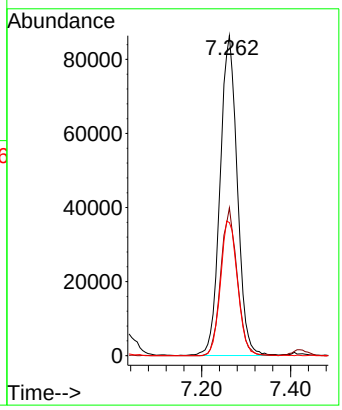




#29
Tetrahydrofuran
Concen: 457.752 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 42 Resp: 23143

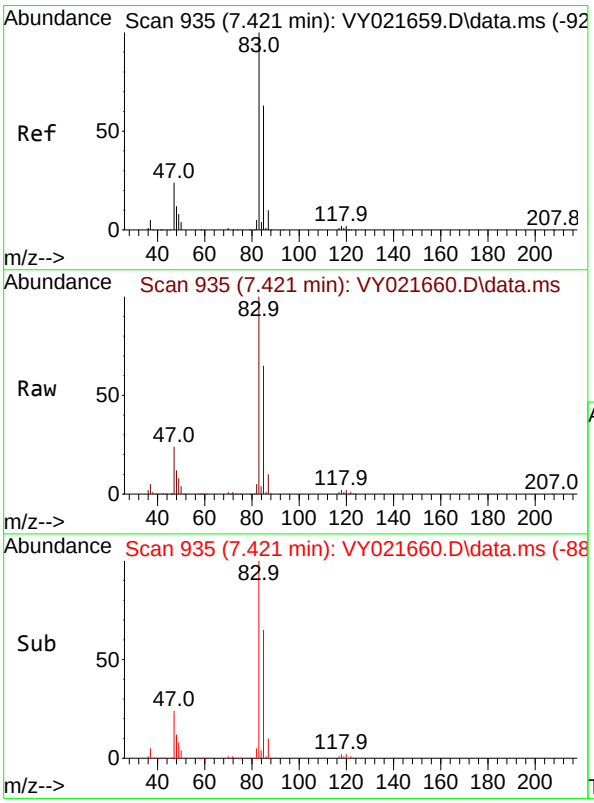
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	52.0
71	42.0	32.5	48.7



Instrument :
MSVOA_Y
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VSTDICC100

Manual Integrations
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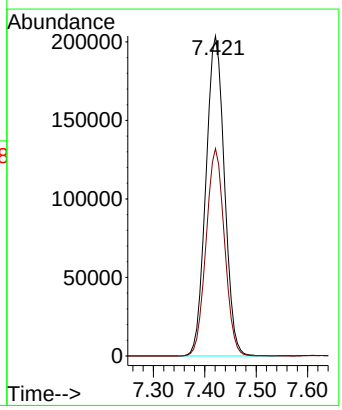
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

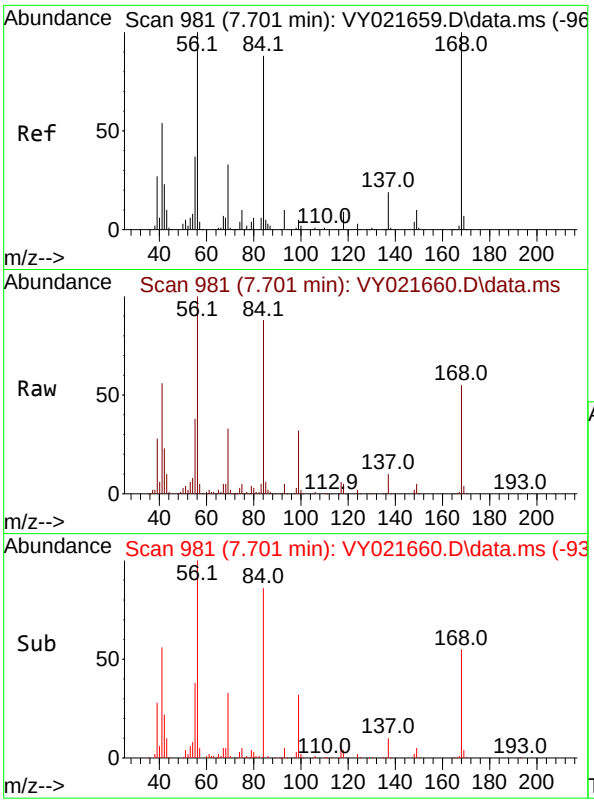


#30
Chloroform
Concen: 94.087 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 509194

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	75.8





#31
Cyclohexane
Concen: 92.706 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

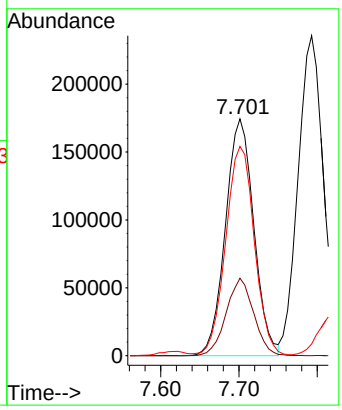
Tgt Ion: 56 Resp: 43972

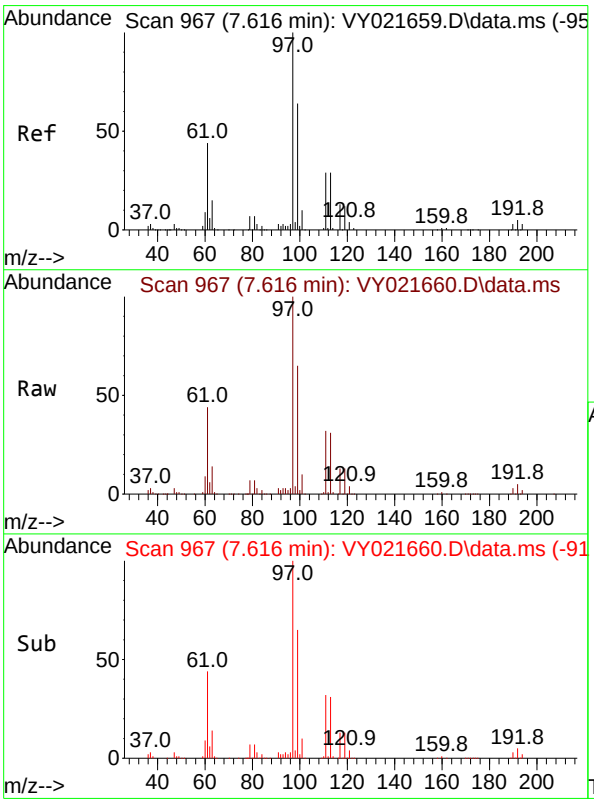
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.6	40.0
84	86.5	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
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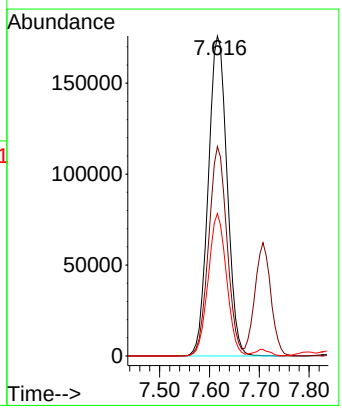


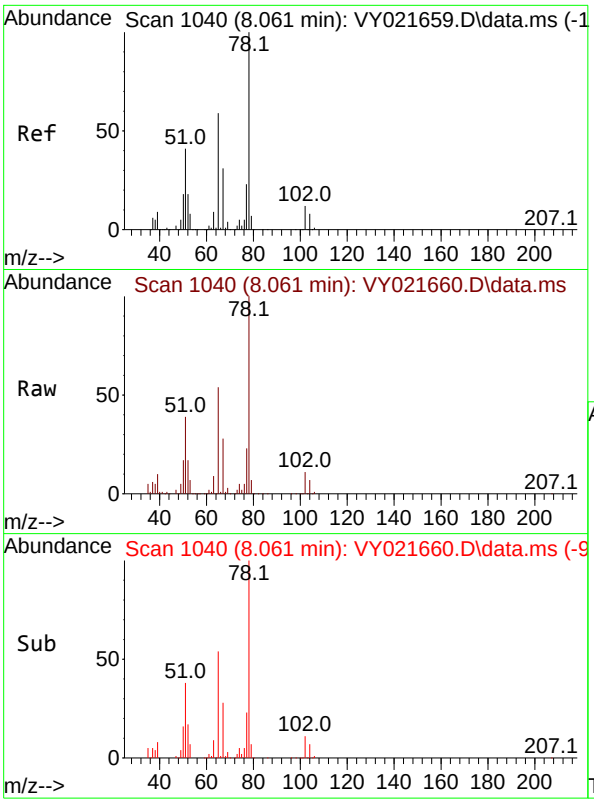


#32
1,1,1-Trichloroethane
Concen: 94.182 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 97 Resp: 460680

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.7	76.1
61	43.5	35.2	52.8

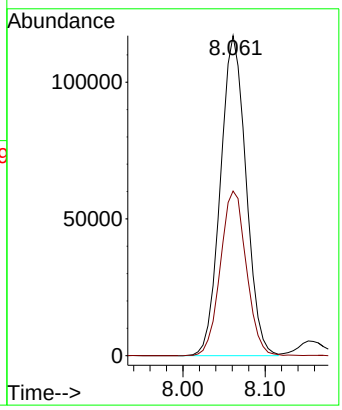




#33
1,2-Dichloroethane-d4
Concen: 94.129 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 65 Resp: 25296

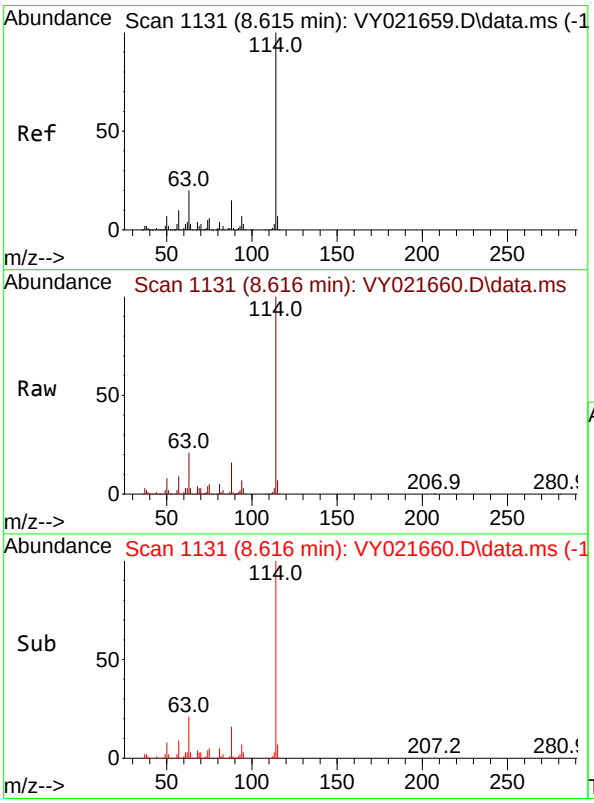
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

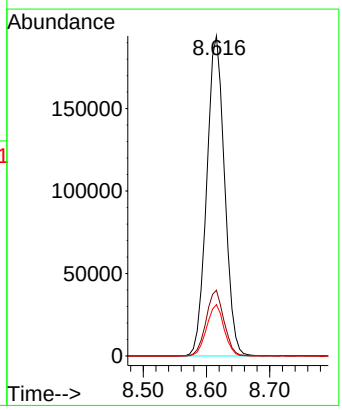
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

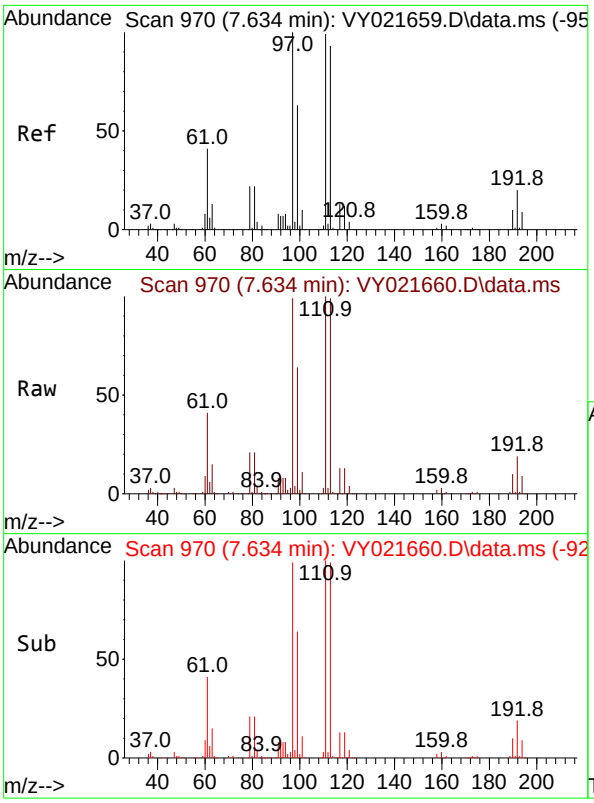


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:114 Resp: 380682

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	16.0	0.0	29.8

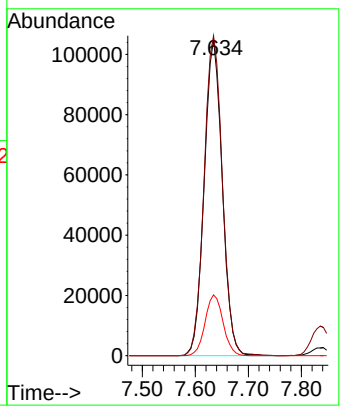




#35
Dibromofluoromethane
Concen: 100.177 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:113 Resp: 24738

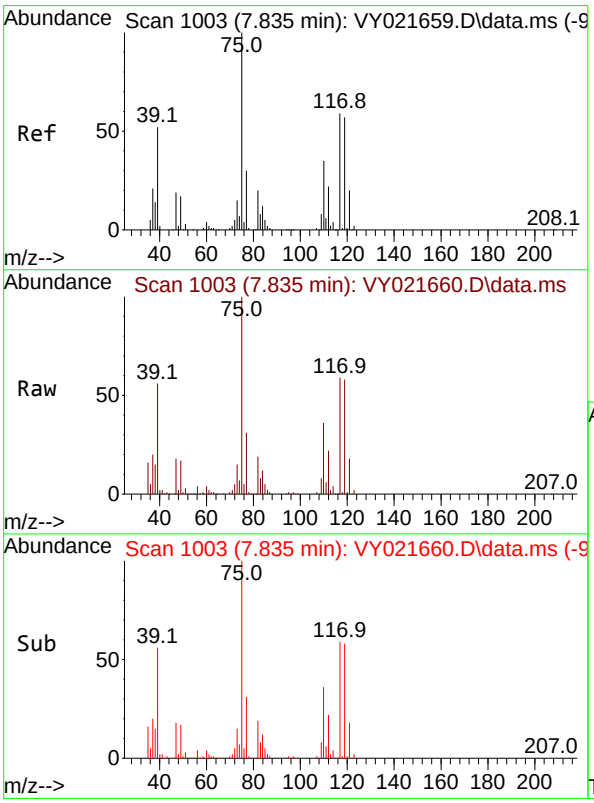
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.2	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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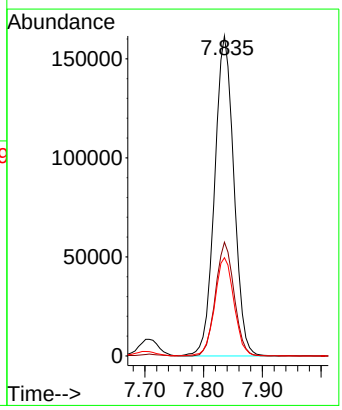
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

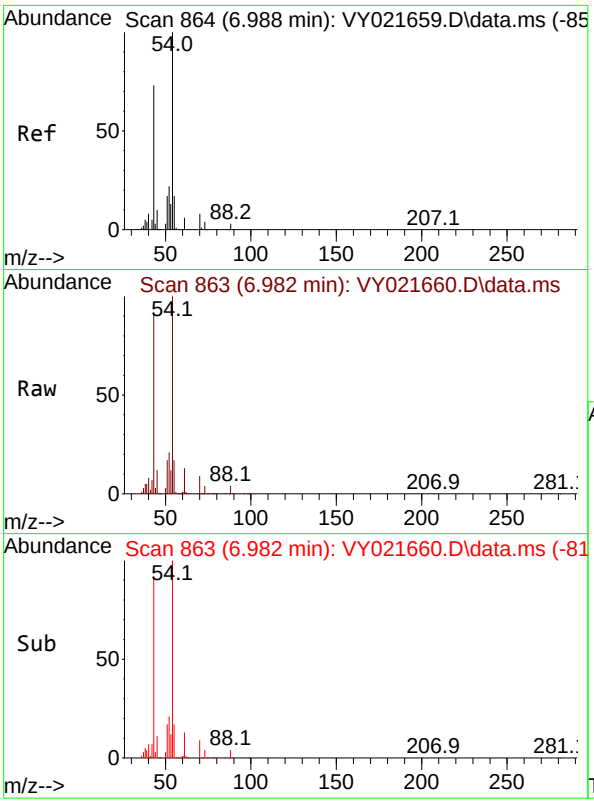


#36
1,1-Dichloropropene
Concen: 98.035 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 368741

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.8	24.8	37.2





#37
Ethyl Acetate
Concen: 90.529 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

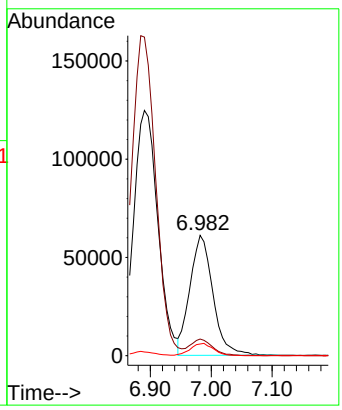
Tgt Ion: 43 Resp: 16070

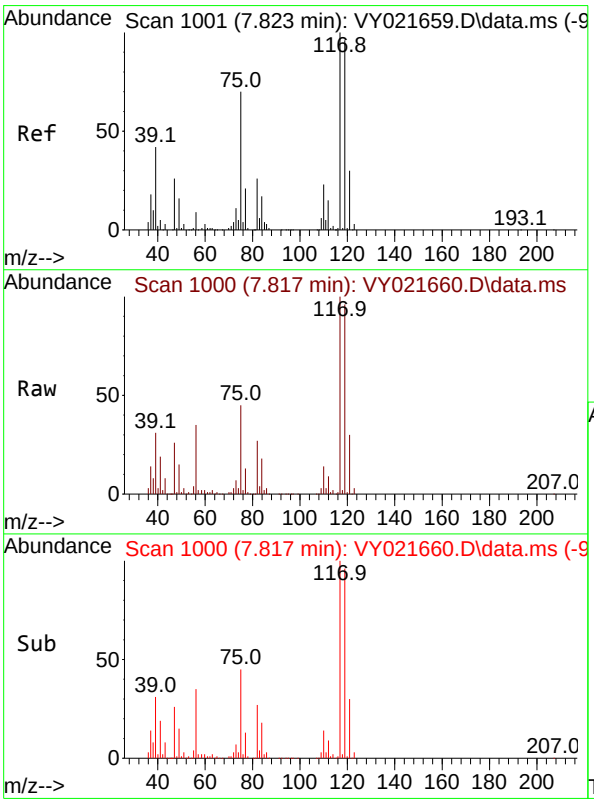
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.6
70	10.2	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
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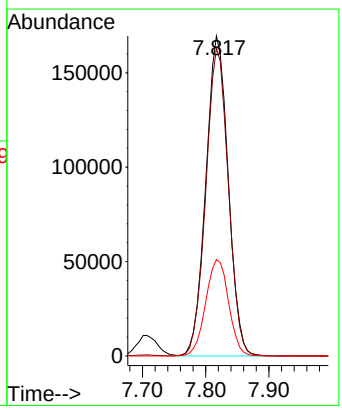


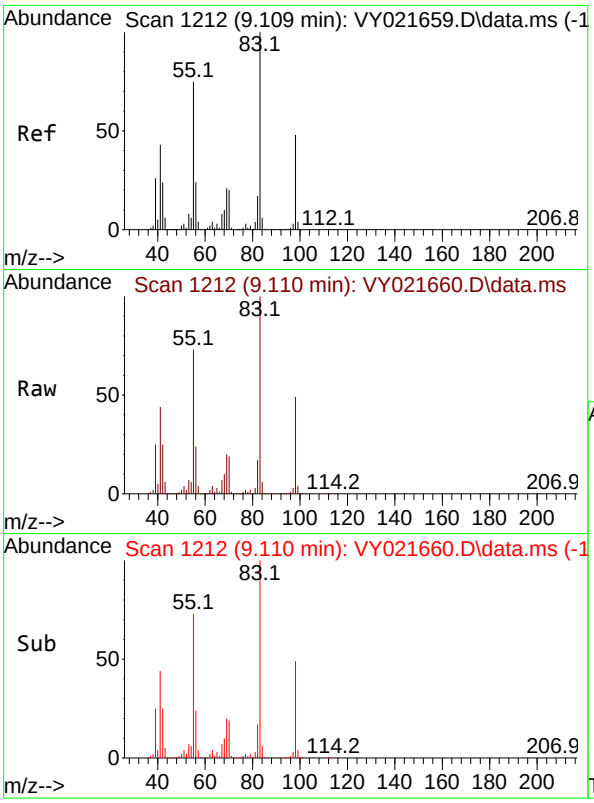


#38
Carbon Tetrachloride
Concen: 96.746 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 416779

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.4
121	30.1	24.2	36.4





#39
Methylcyclohexane
Concen: 103.663 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

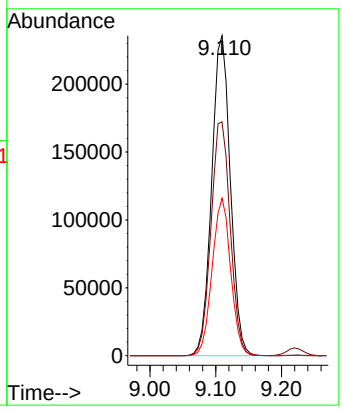
Tgt Ion: 83 Resp: 46578

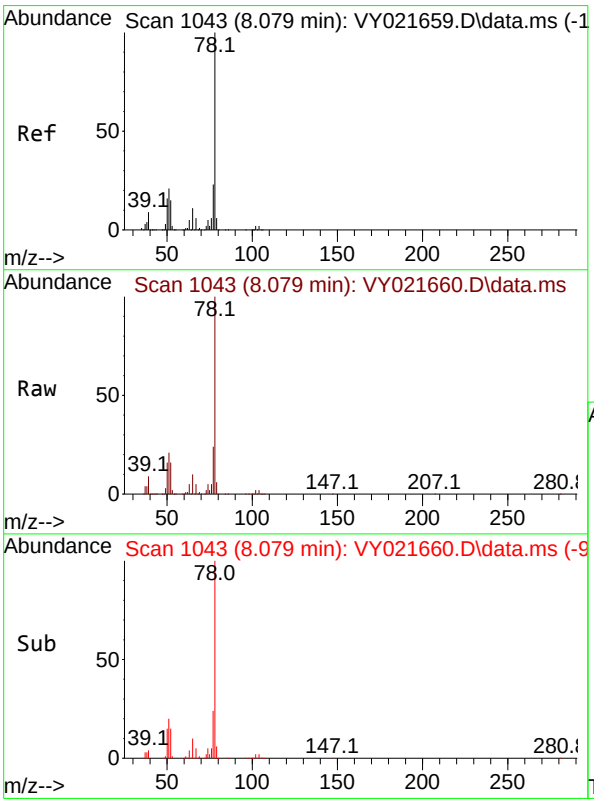
Ion	Ratio	Lower	Upper
83	100		
55	73.0	59.7	89.5
98	49.2	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 03/28/2025

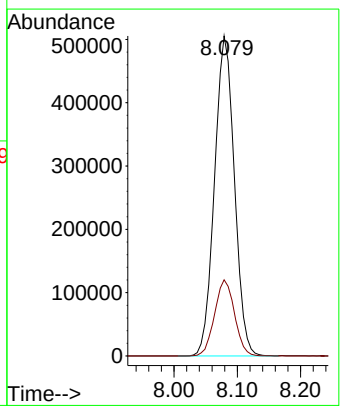


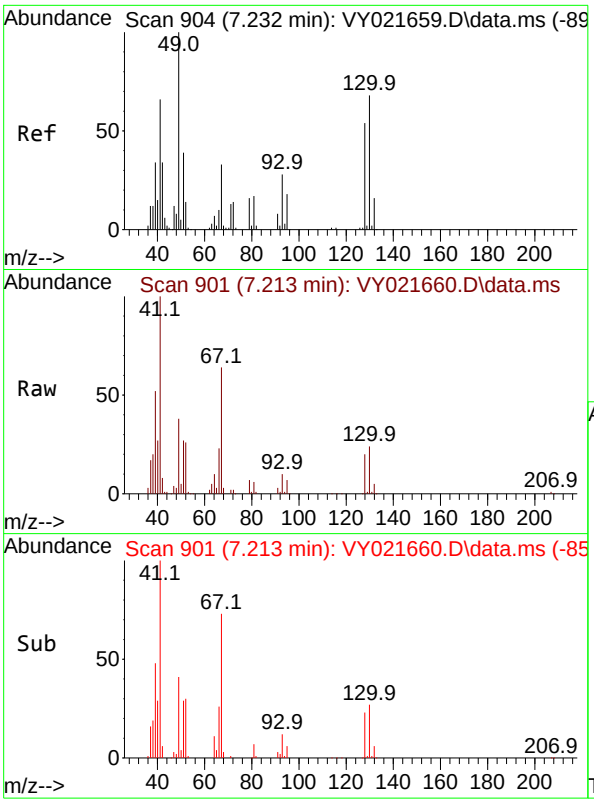


#40
Benzene
Concen: 97.692 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 78 Resp: 1100425

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

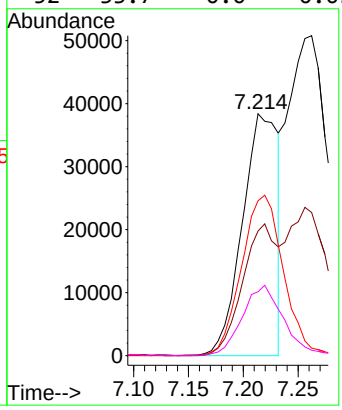




#41
Methacrylonitrile
Concen: 92.176 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 8688

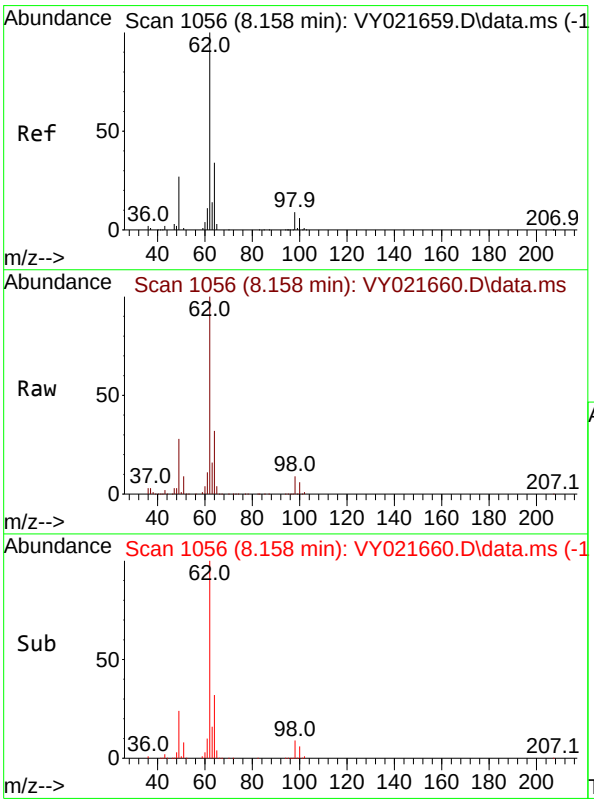
Ion	Ratio	Lower	Upper
41	100		
39	52.8	0.0	0.0#
67	78.1	0.0	0.0#
52	33.7	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

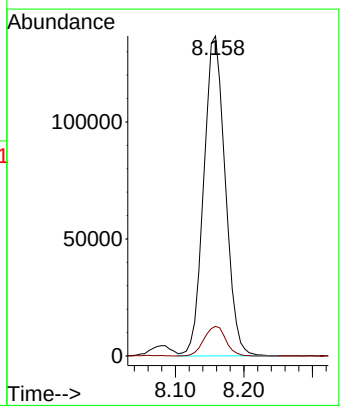
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

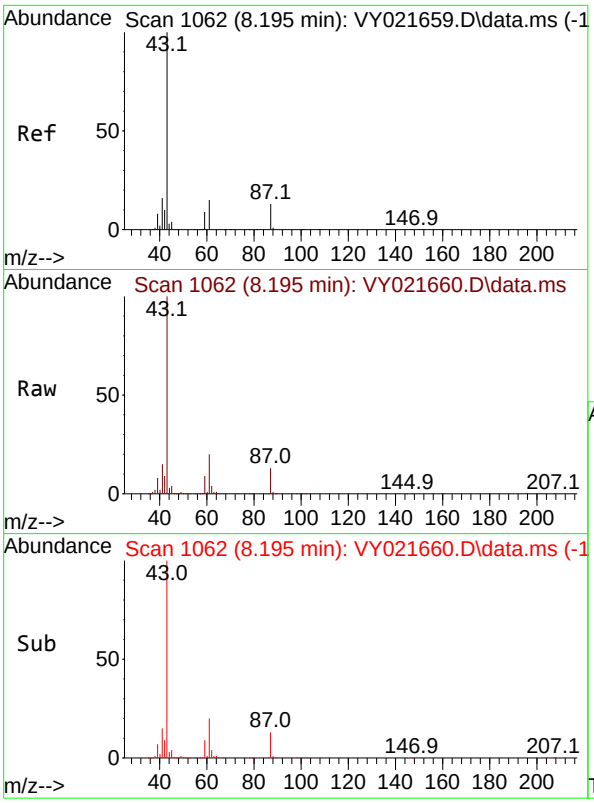


#42
1,2-Dichloroethane
Concen: 93.952 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 298349

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

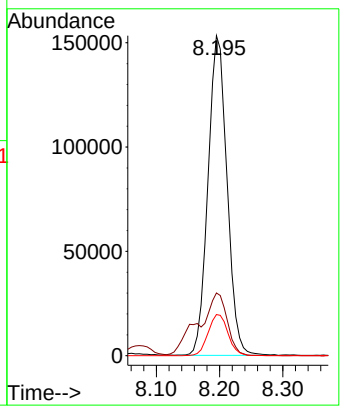




#43
Isopropyl Acetate
Concen: 95.153 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 32009

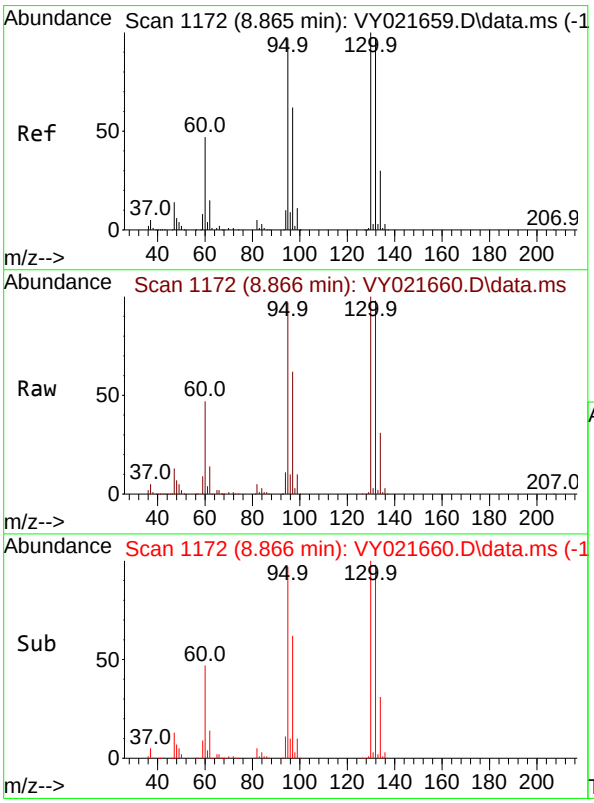
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.9	23.9
87	13.4	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

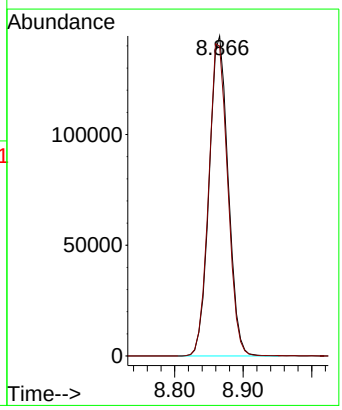
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

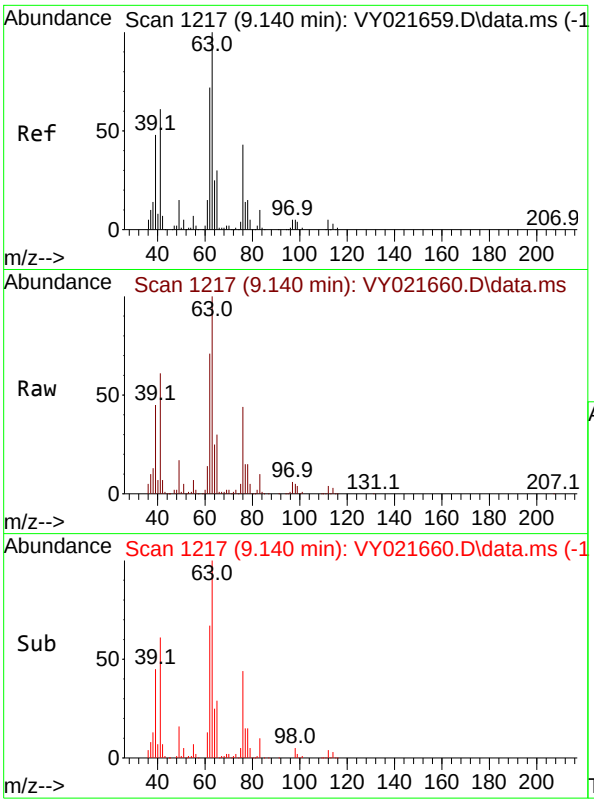


#44
Trichloroethene
Concen: 97.190 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:130 Resp: 278937

Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	194.8

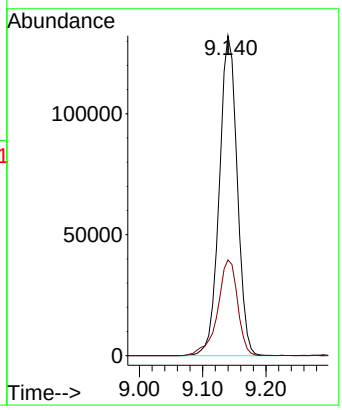




#45
1,2-Dichloropropane
Concen: 97.163 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 25906

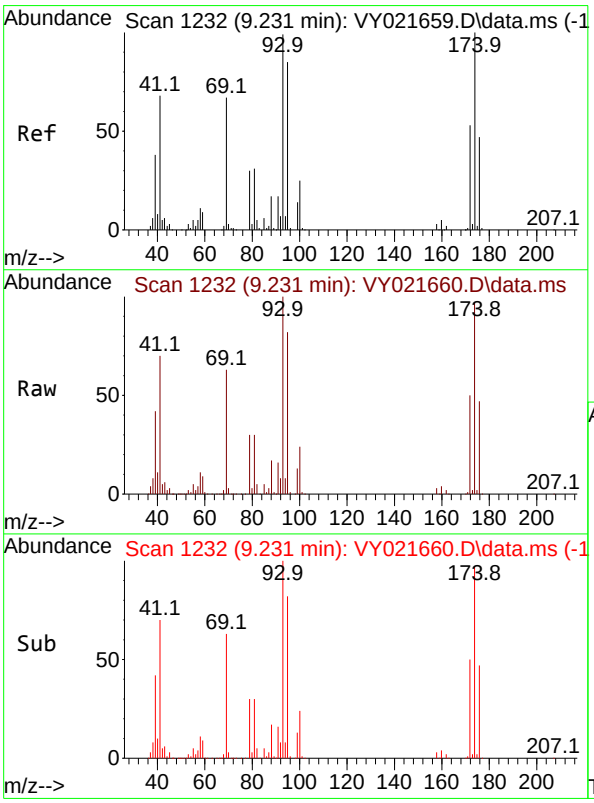
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

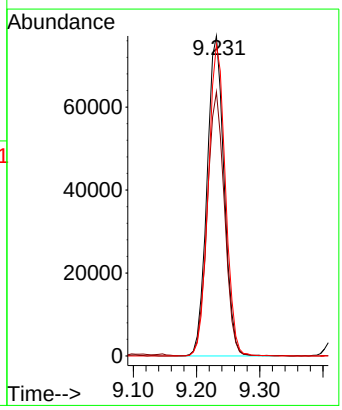
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

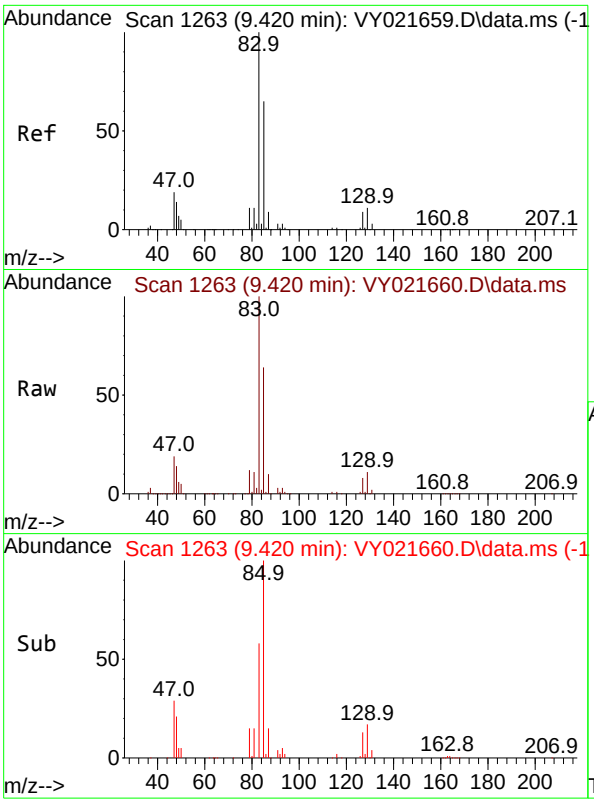


#46
Dibromomethane
Concen: 94.482 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 93 Resp: 145186

Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.1	102.1
174	97.8	80.9	121.3

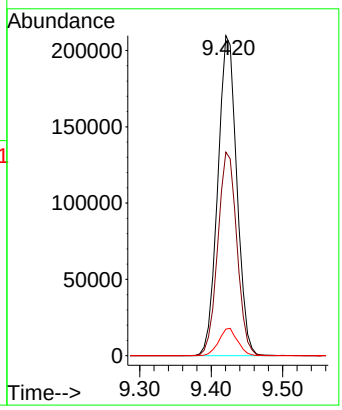




#47
Bromodichloromethane
Concen: 97.159 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 38686

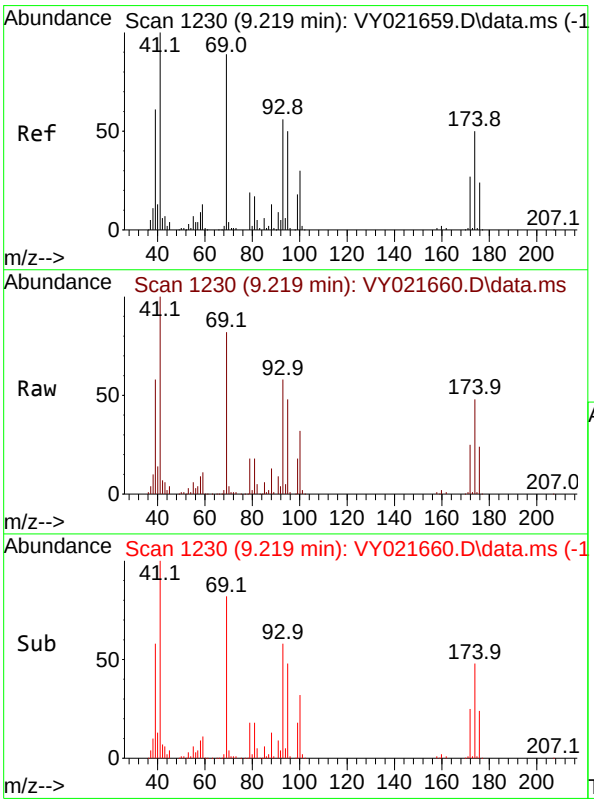
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.3	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

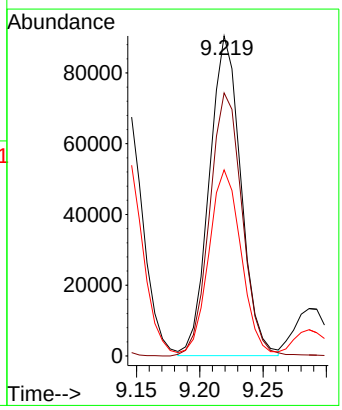
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

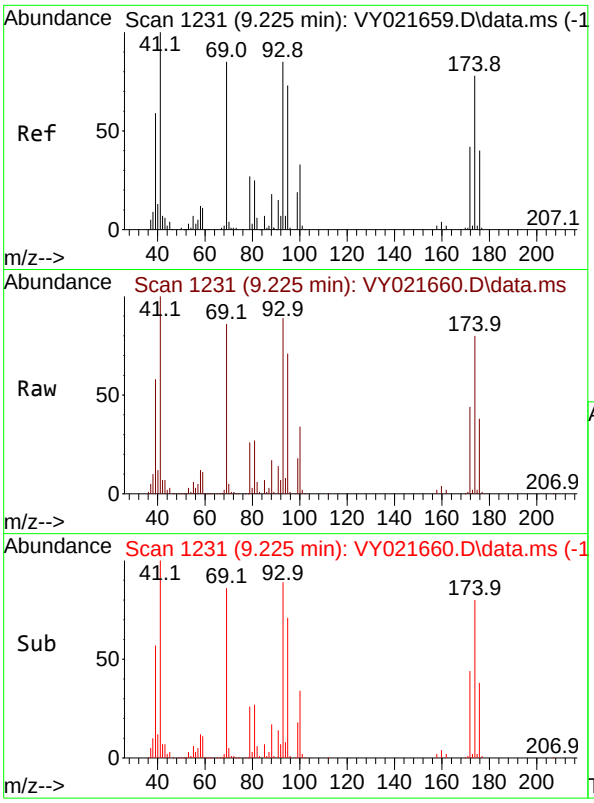


#48
Methyl methacrylate
Concen: 101.718 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 157046

Ion	Ratio	Lower	Upper
41	100		
69	85.0	69.8	104.8
39	57.6	47.2	70.8

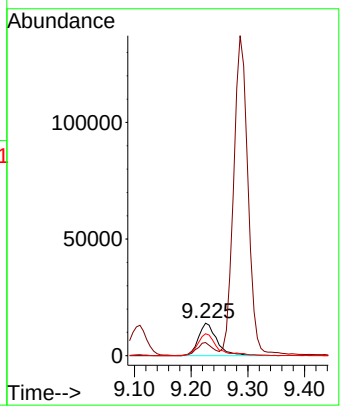




#49
1,4-Dioxane
Concen: 1922.485 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 88 Resp: 3164

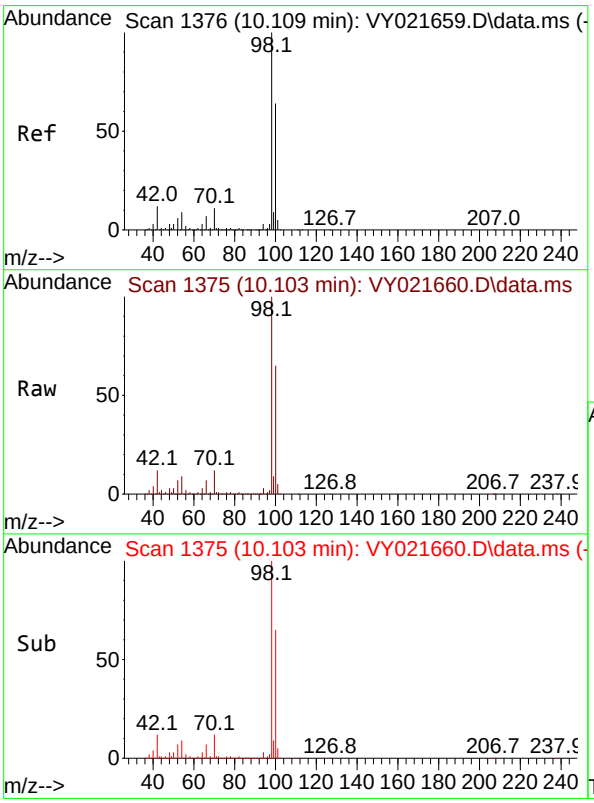
Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.8	43.2
58	65.5	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

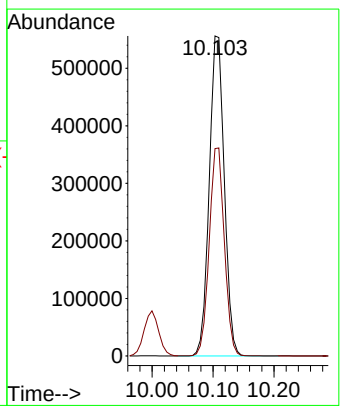
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

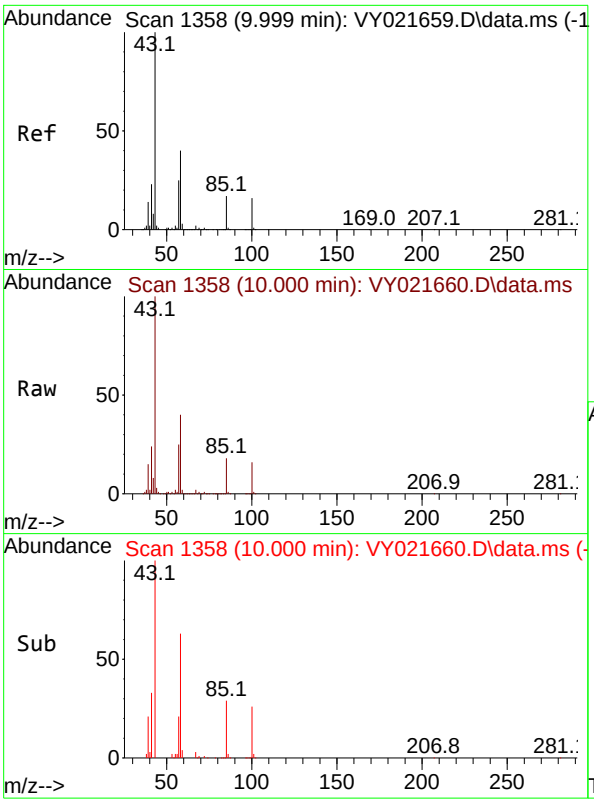


#50
Toluene-d8
Concen: 101.480 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 98 Resp: 953346

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1

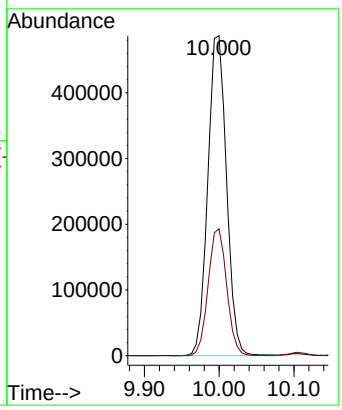




#51
4-Methyl-2-Pentanone
Concen: 483.331 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 84612

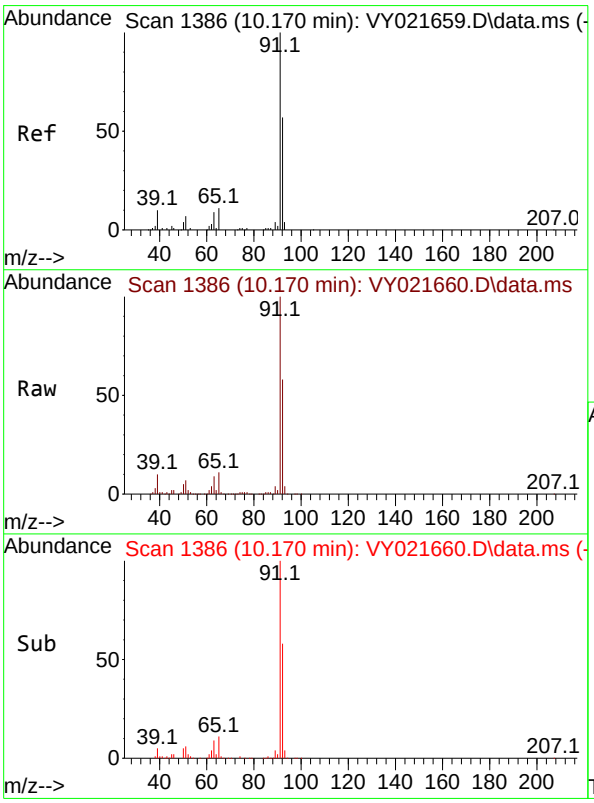
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

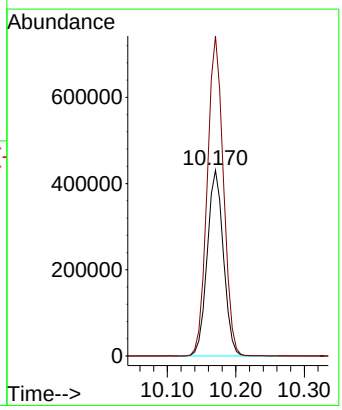
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

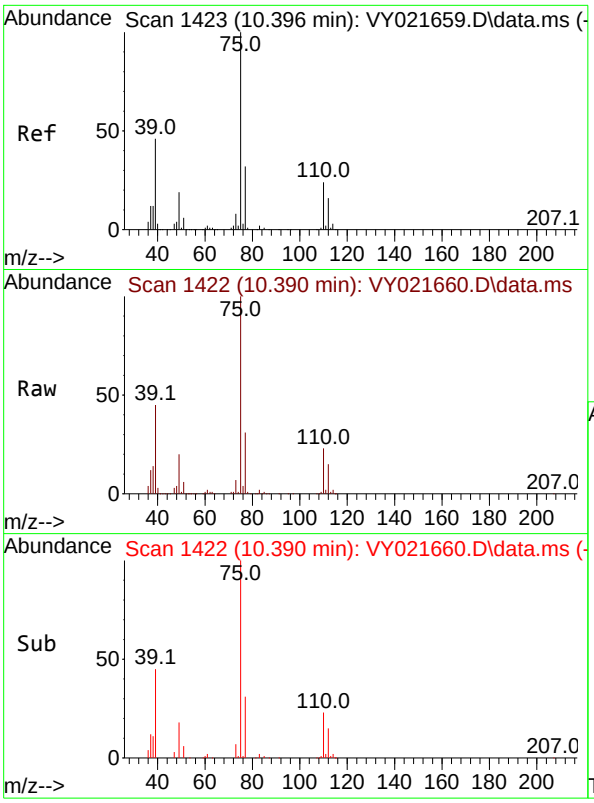


#52
Toluene
Concen: 100.486 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 92 Resp: 706197

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8

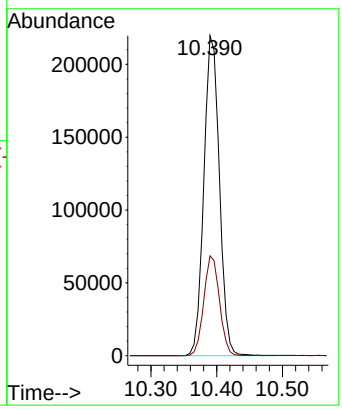




#53
t-1,3-Dichloropropene
Concen: 102.153 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 36128

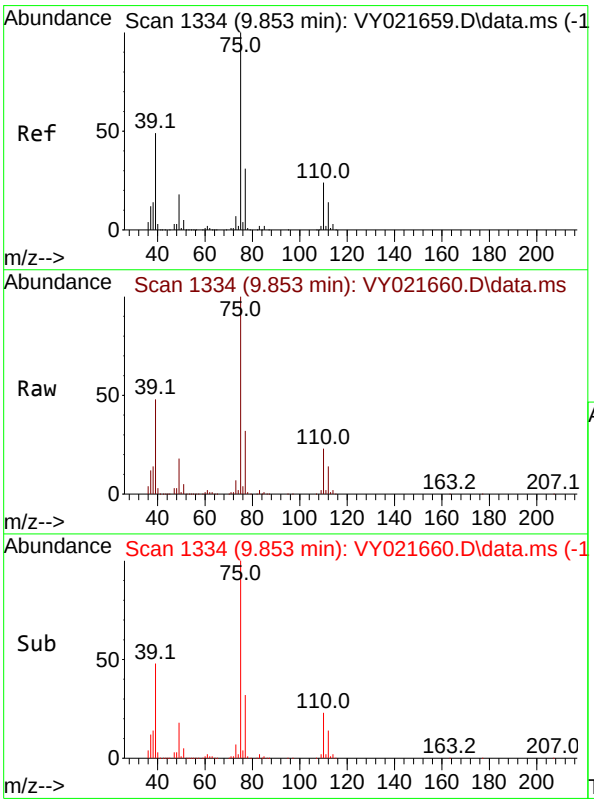
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

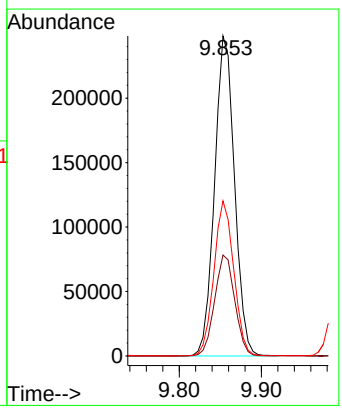
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

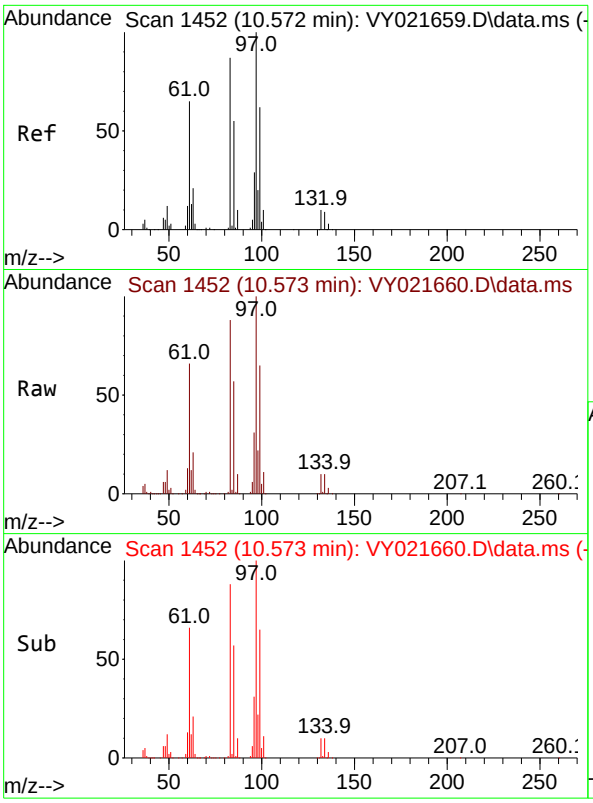


#54
cis-1,3-Dichloropropene
Concen: 100.208 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 418099

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	48.4	39.2	58.8

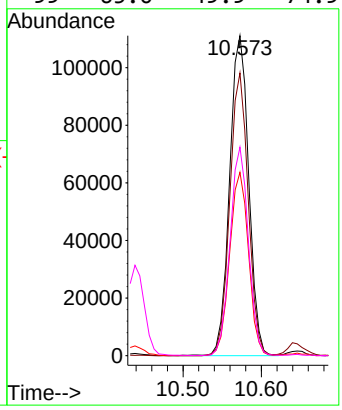




#55
1,1,2-Trichloroethane
Concen: 95.058 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 97 Resp: 18797

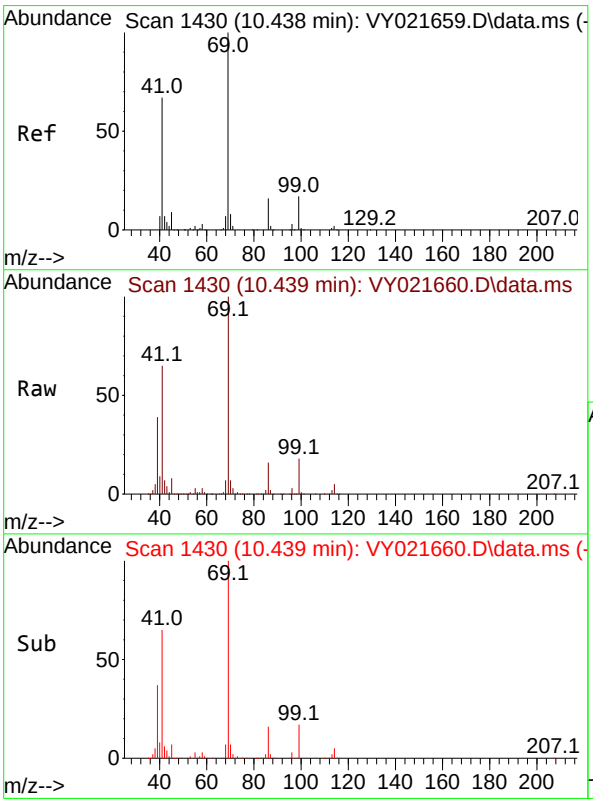
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.5	104.3
85	57.3	43.9	65.9
99	65.0	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

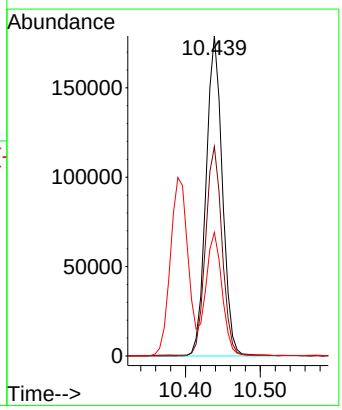
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

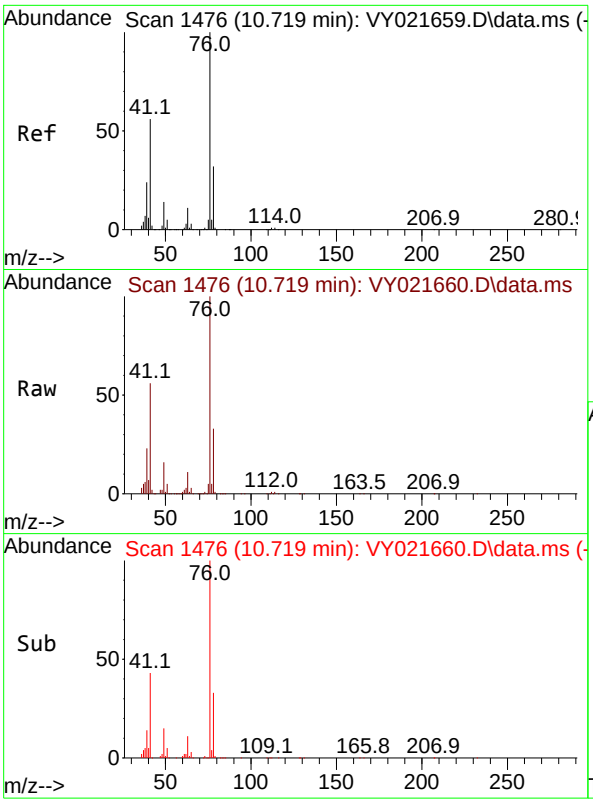


#56
Ethyl methacrylate
Concen: 107.339 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 69 Resp: 271036

Ion	Ratio	Lower	Upper
69	100		
41	65.6	53.8	80.6
39	38.6	29.6	44.4





#57
1,3-Dichloropropane
Concen: 96.352 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

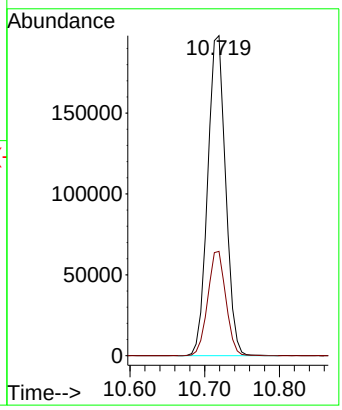
Tgt Ion: 76 Resp: 32906

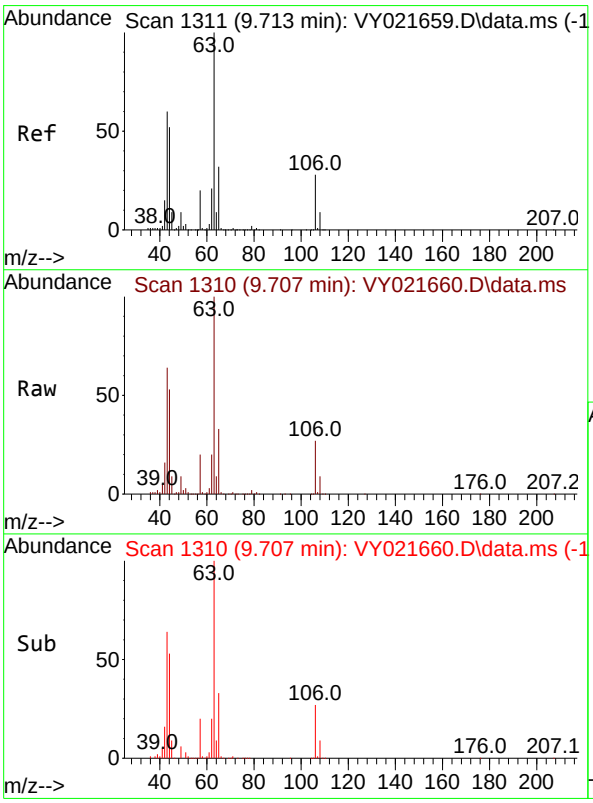
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

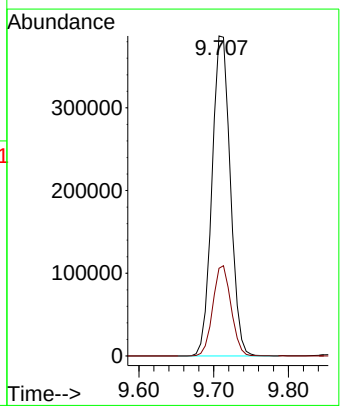


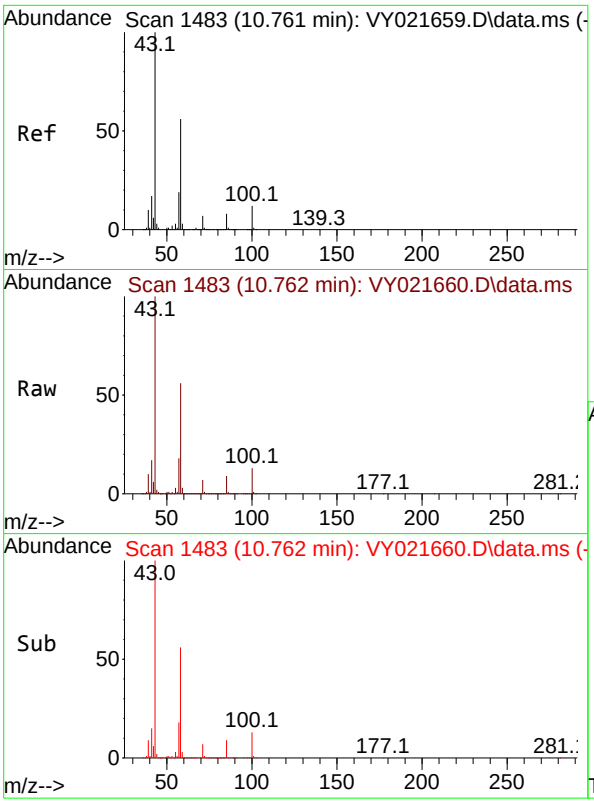


#58
2-Chloroethyl Vinyl ether
Concen: 534.142 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 657953

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.4	33.6





#59
2-Hexanone
Concen: 484.686 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

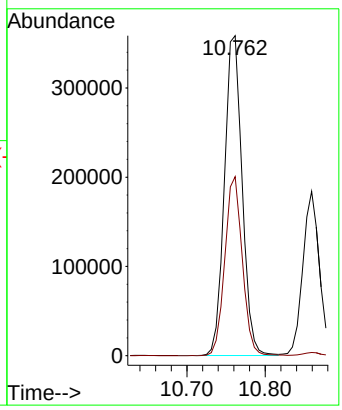
Tgt Ion: 43 Resp: 56508

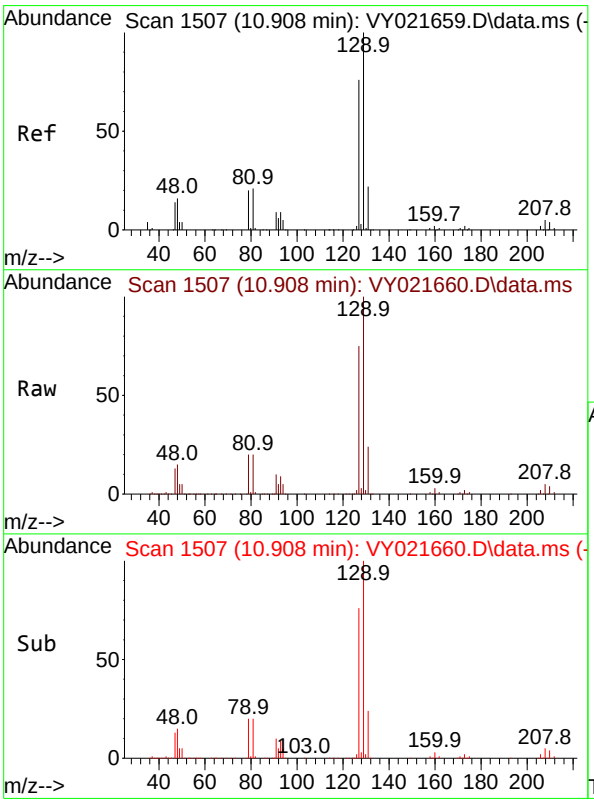
Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

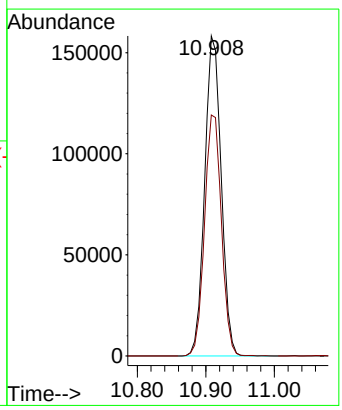


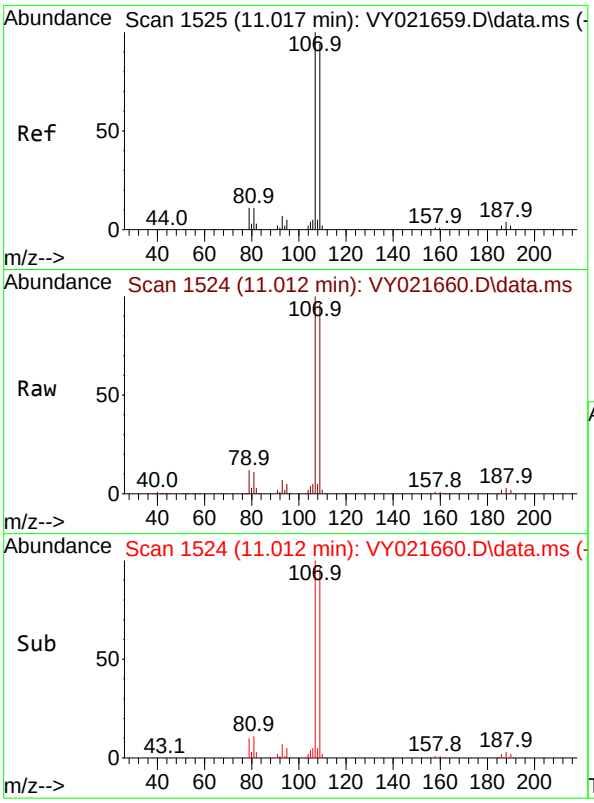


#60
Dibromochloromethane
Concen: 98.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:129 Resp: 265151

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.7

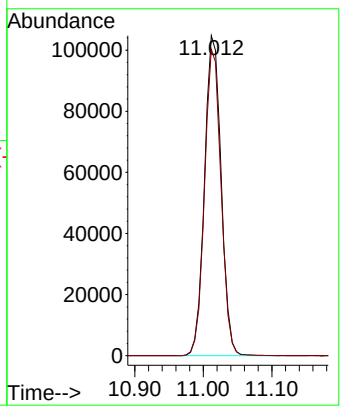




#61
1,2-Dibromoethane
Concen: 95.501 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:107 Resp: 17715

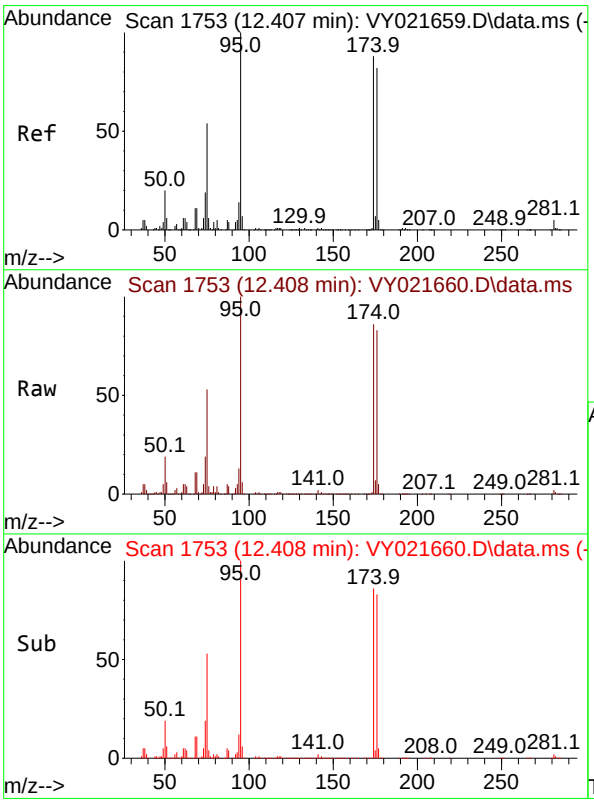
Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

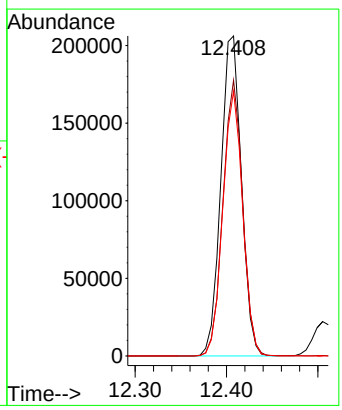
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

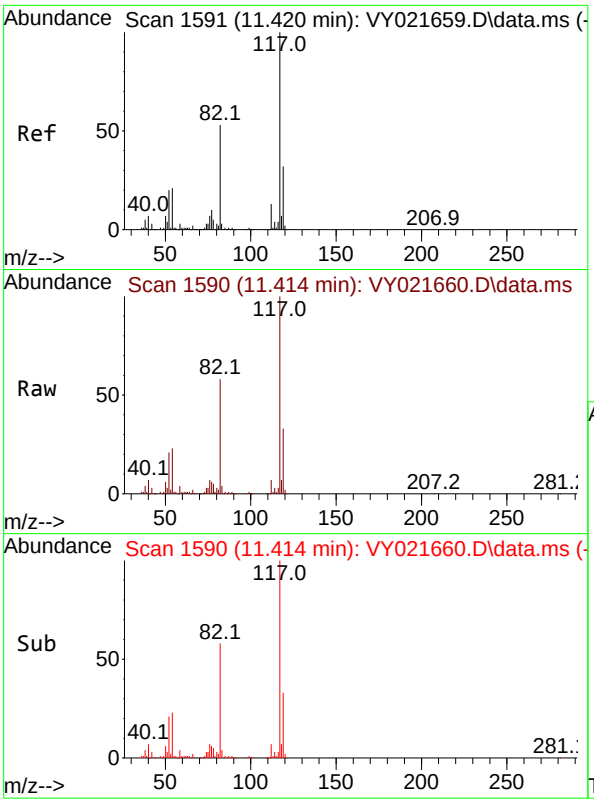


#62
4-Bromofluorobenzene
Concen: 101.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 95 Resp: 322469

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	170.8
176	79.9	0.0	162.0

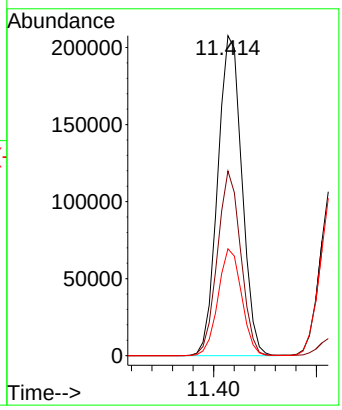




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 33920

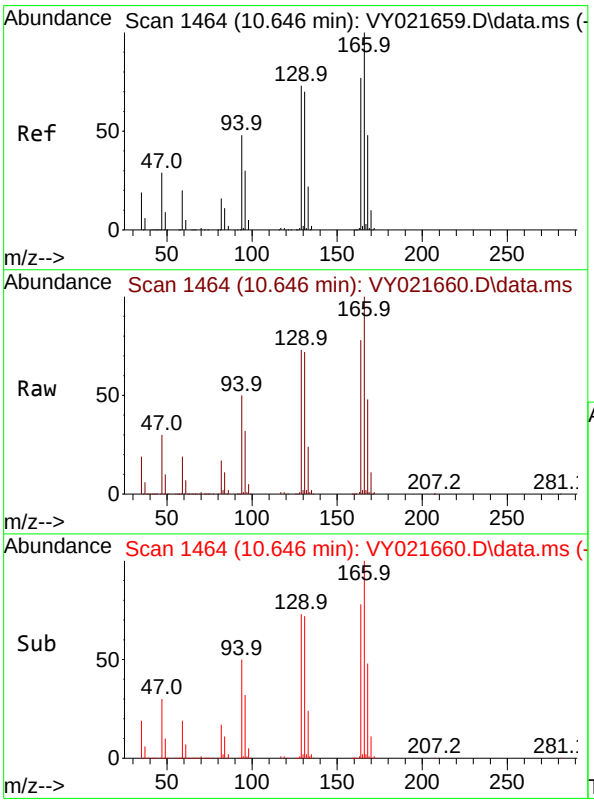
Ion	Ratio	Lower	Upper
117	100		
82	57.7	42.8	64.2
119	33.4	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

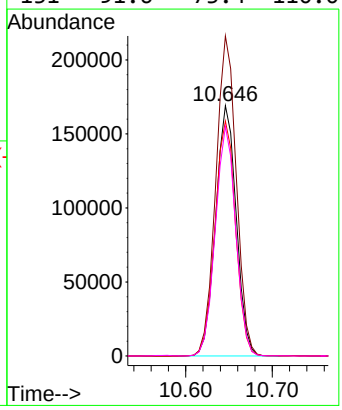
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

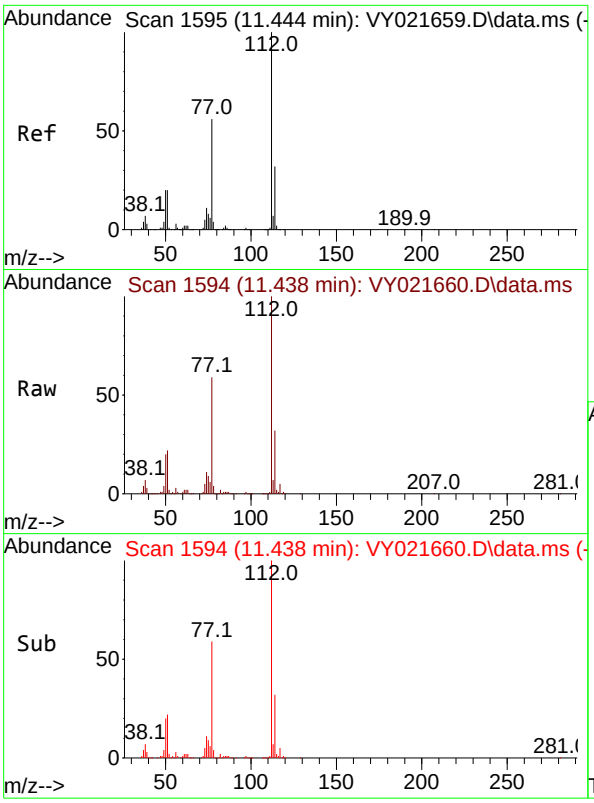


#64
Tetrachloroethene
Concen: 90.401 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:164 Resp: 279279

Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.6	156.8
129	93.9	76.6	114.8
131	91.6	73.4	110.0

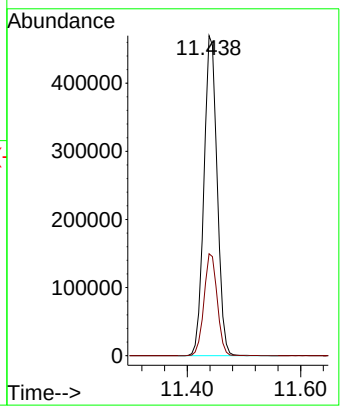




#65
Chlorobenzene
Concen: 97.381 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:112 Resp: 75719

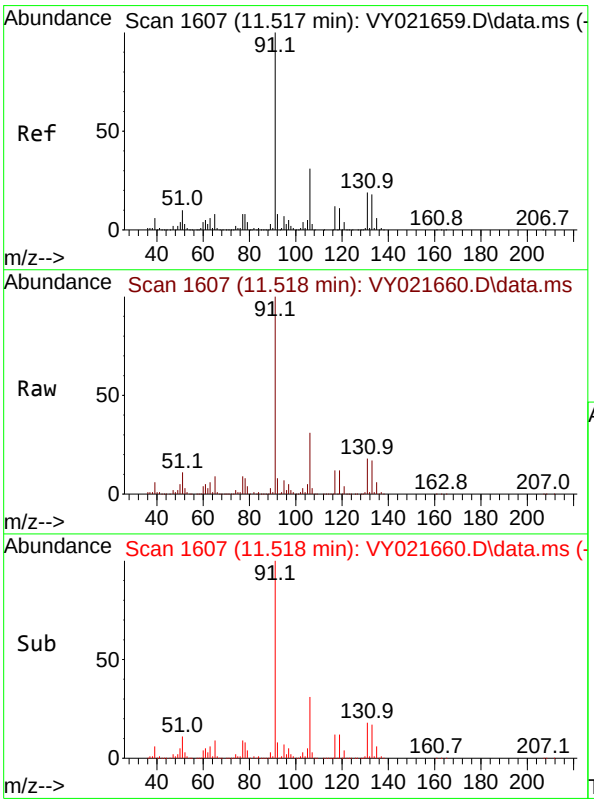
Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

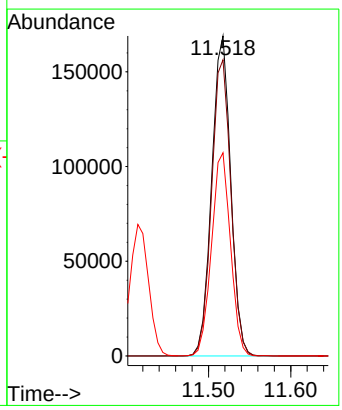
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

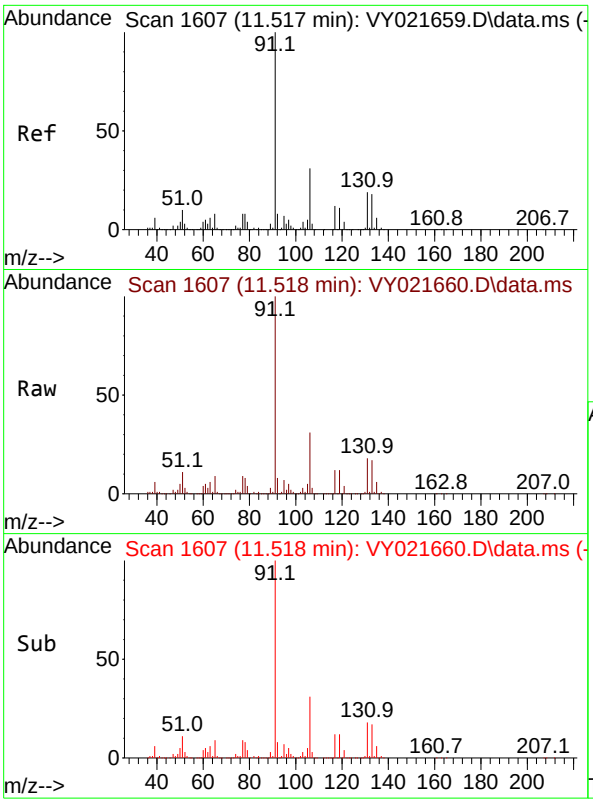


#66
1,1,1,2-Tetrachloroethane
Concen: 98.275 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:131 Resp: 271119

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	141.8
119	63.6	31.6	95.0





#67
Ethyl Benzene
Concen: 102.918 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

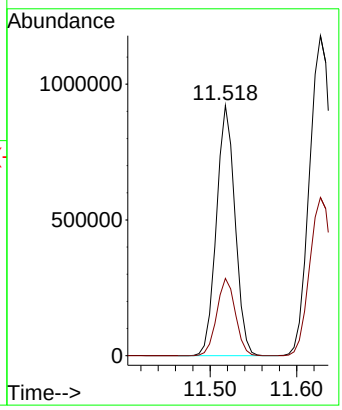
Tgt Ion: 91 Resp: 137224

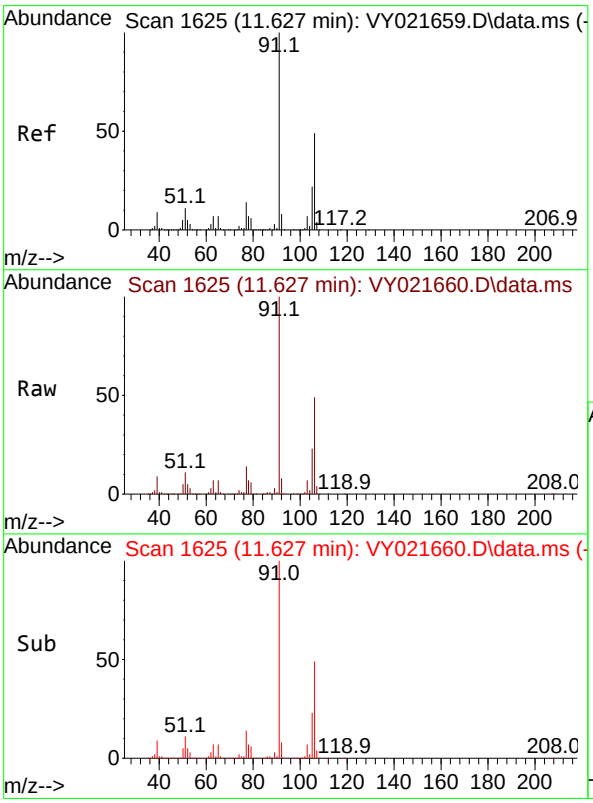
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

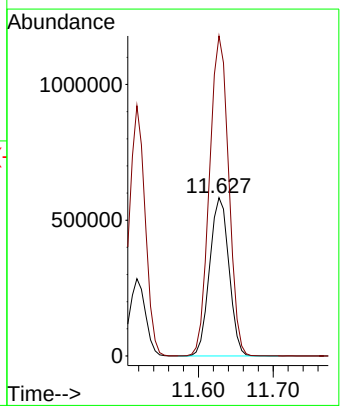


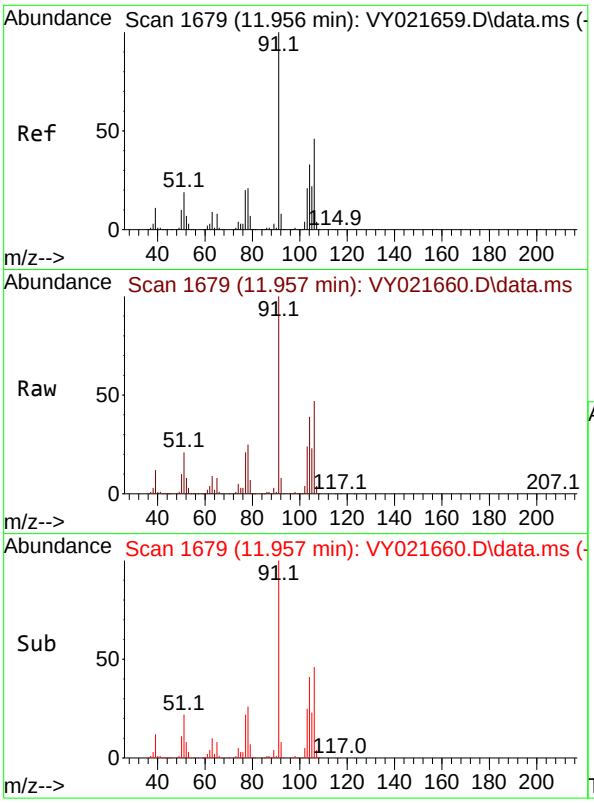


#68
m/p-Xylenes
Concen: 205.681 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:106 Resp: 1050156

Ion	Ratio	Lower	Upper
106	100		
91	201.4	162.4	243.6

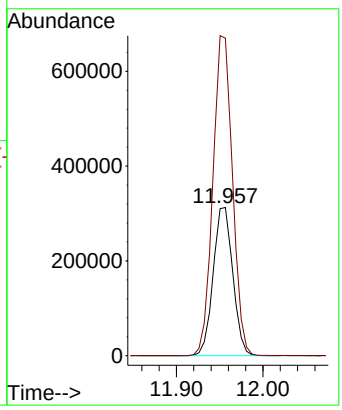




#69
o-Xylene
Concen: 104.369 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:106 Resp: 49189

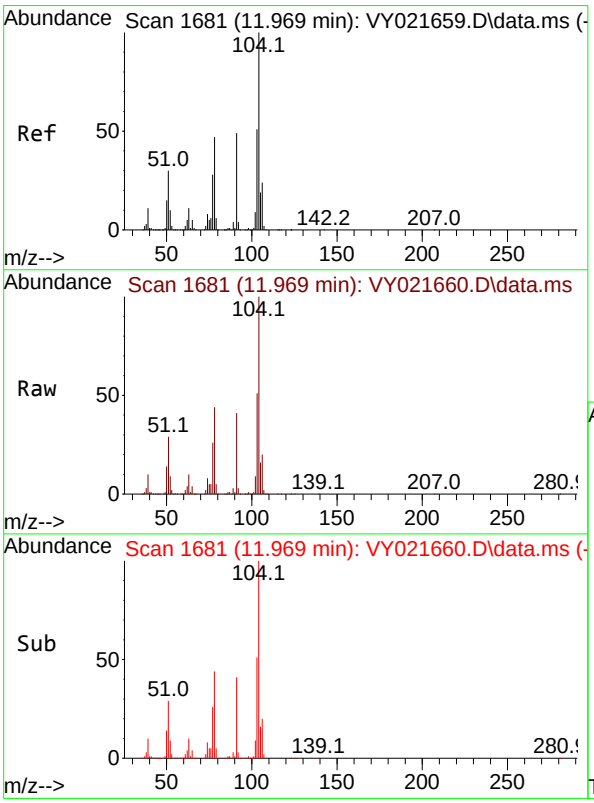
Ion	Ratio	Lower	Upper
106	100		
91	215.9	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

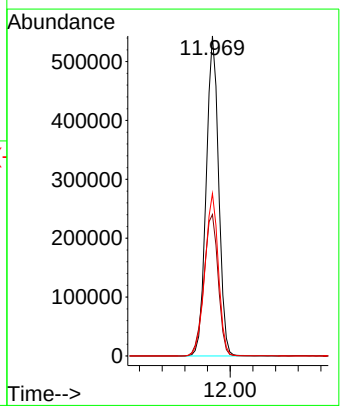
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

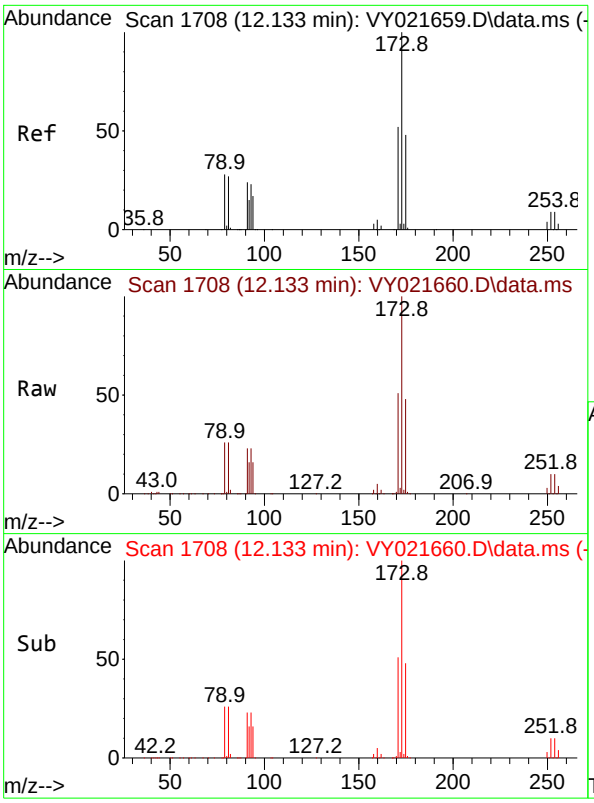


#70
Styrene
Concen: 106.098 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:104 Resp: 833734

Ion	Ratio	Lower	Upper
104	100		
78	50.5	40.8	61.2
103	54.6	44.2	66.2

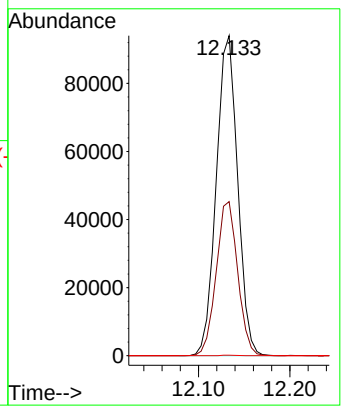




#71
Bromoform
Concen: 97.024 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:173 Resp: 15268

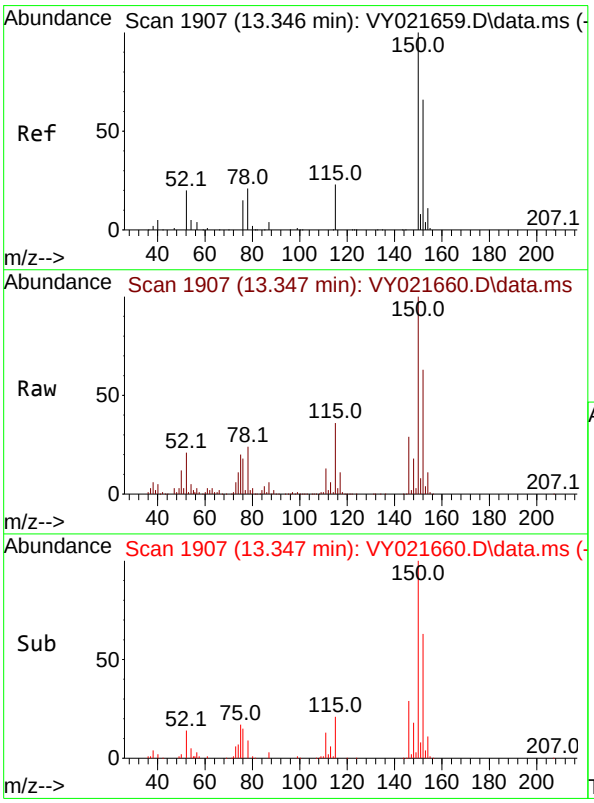
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

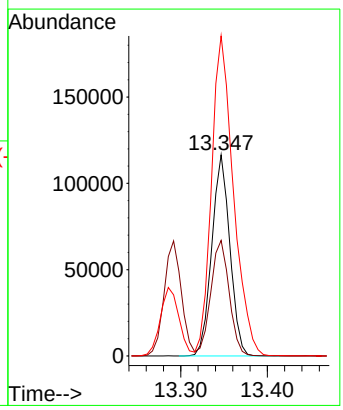
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

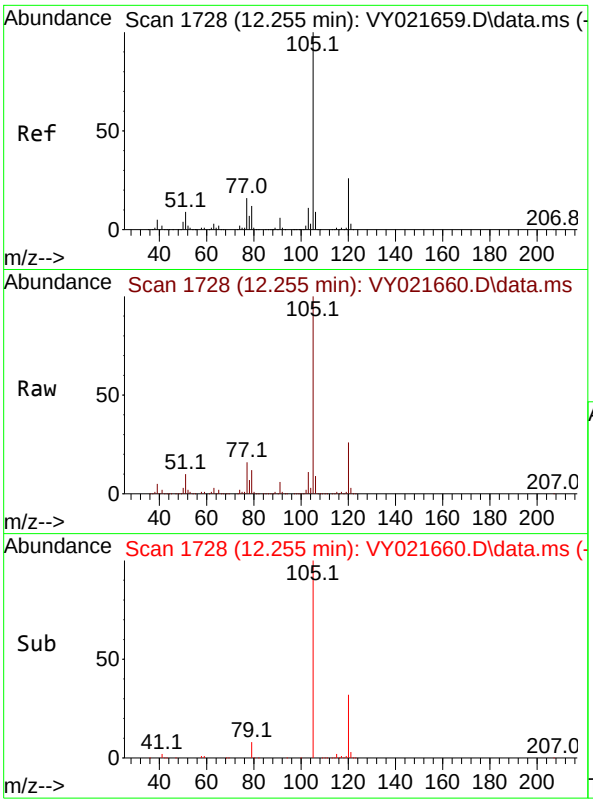


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:152 Resp: 168901

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	193.6	0.0	348.4

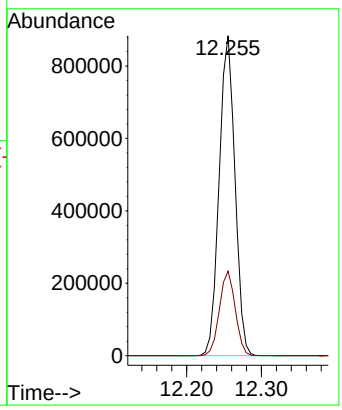




#73
Isopropylbenzene
Concen: 103.486 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 129822

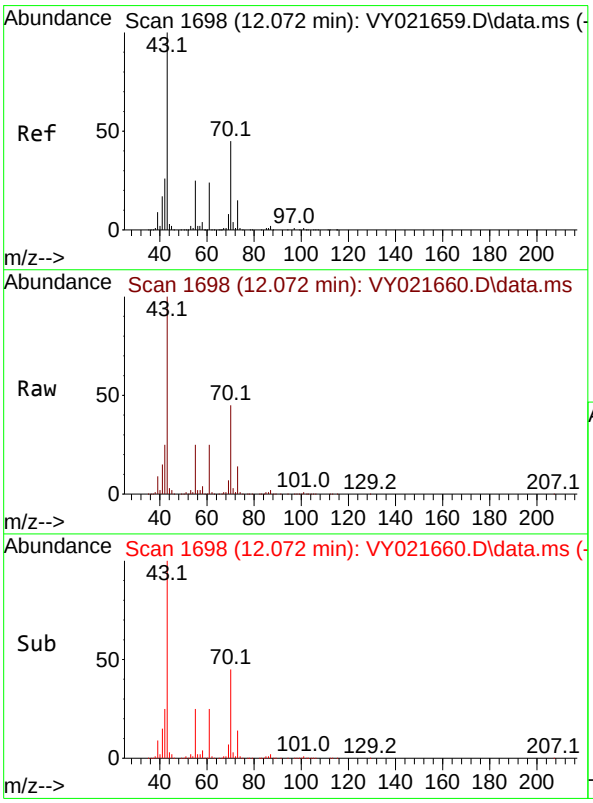
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

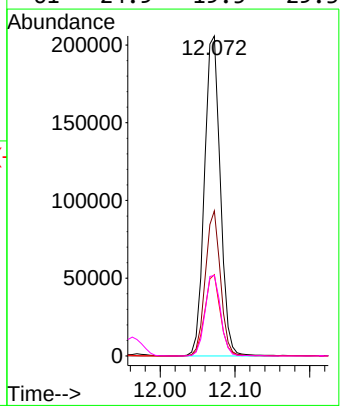
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

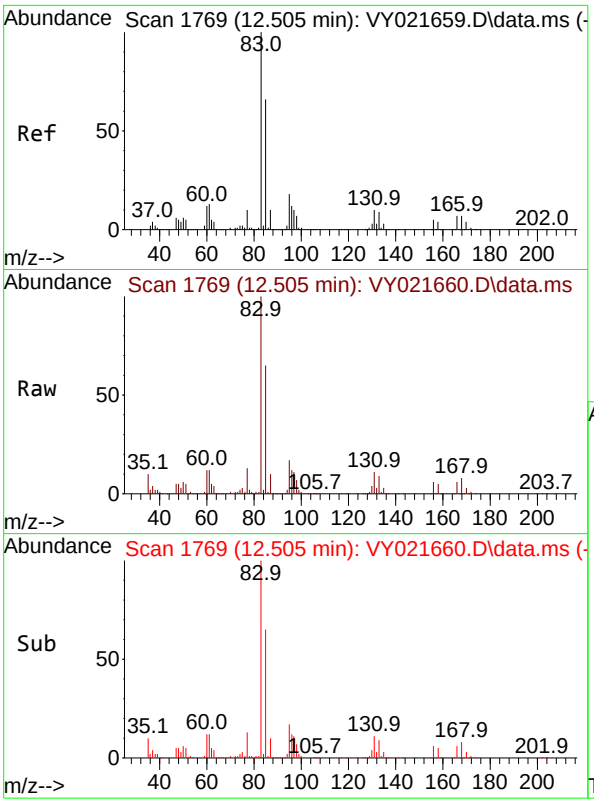


#74
N-amyl acetate
Concen: 103.027 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 303328

Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.7	52.1
55	25.1	21.2	31.8
61	24.9	19.5	29.3

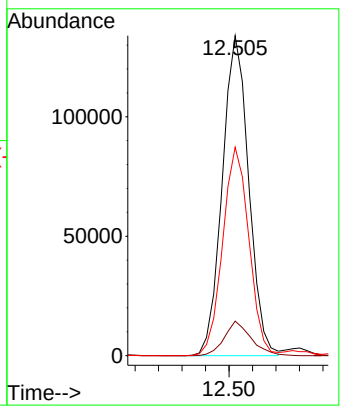




#75
1,1,2,2-Tetrachloroethane
Concen: 92.706 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 20909

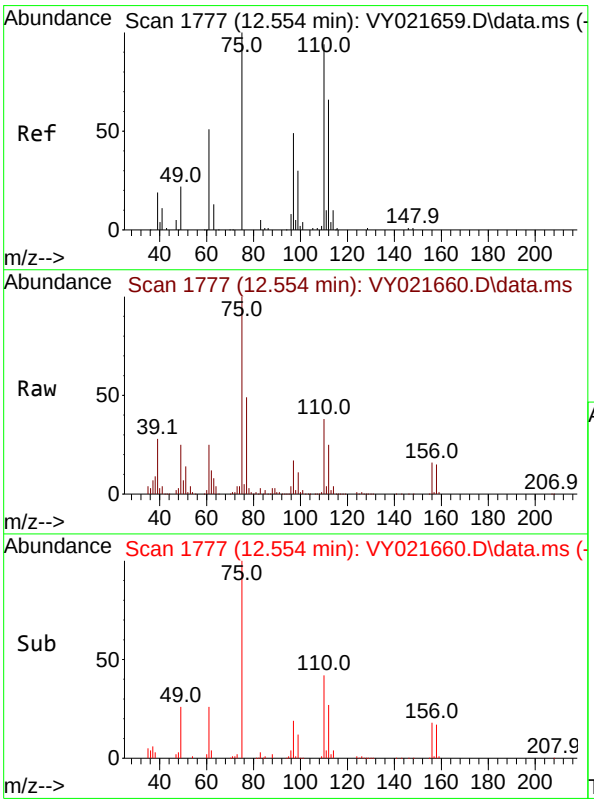
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.3
85	64.7	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

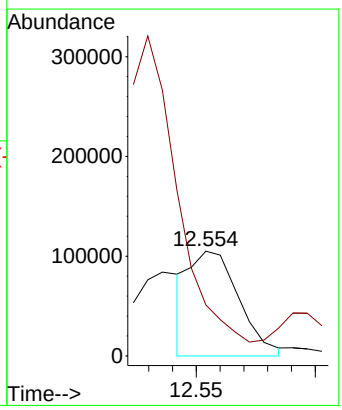
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

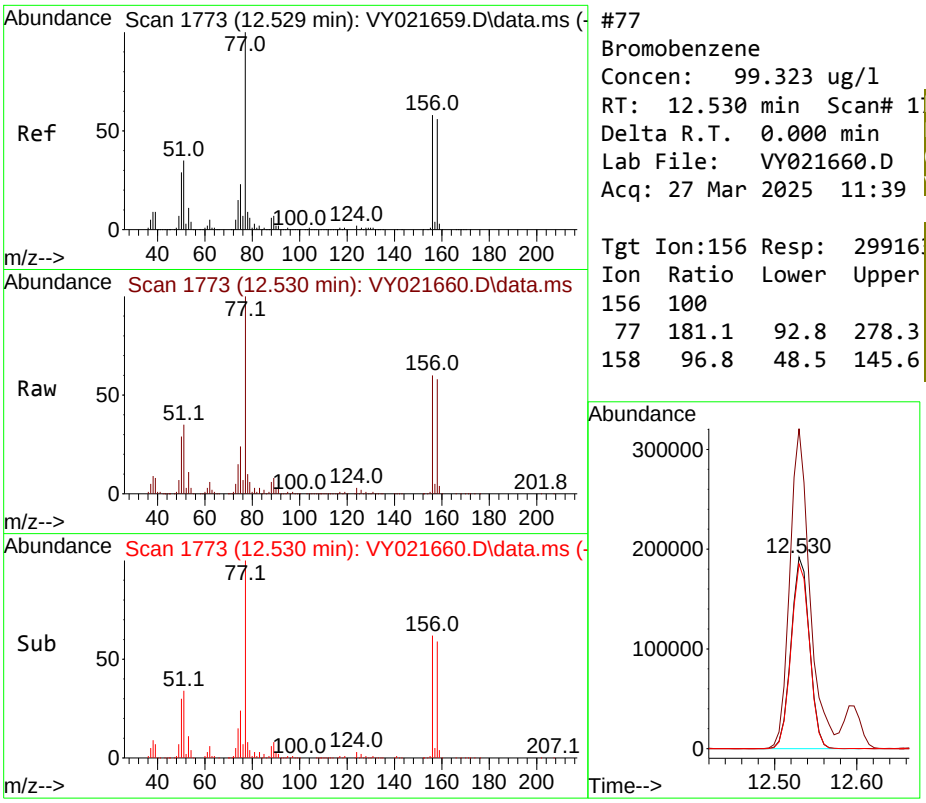


#76
1,2,3-Trichloropropane
Concen: 91.372 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 152979

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 99.323 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

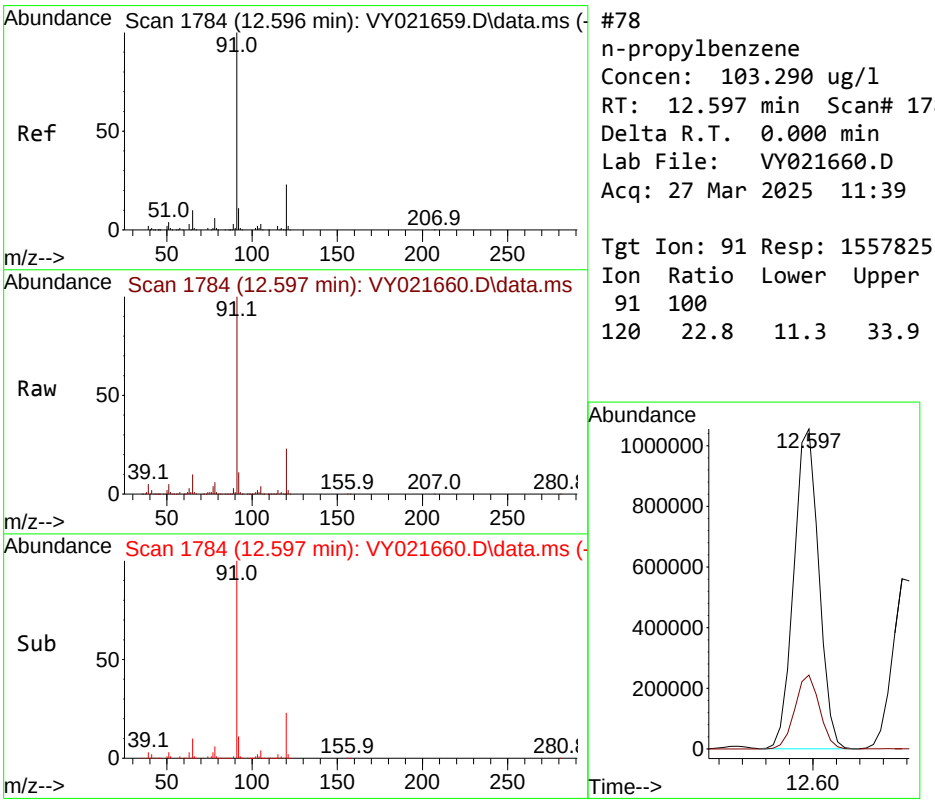
Tgt Ion:156 Resp: 29916

Ion	Ratio	Lower	Upper
156	100		
77	181.1	92.8	278.3
158	96.8	48.5	145.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

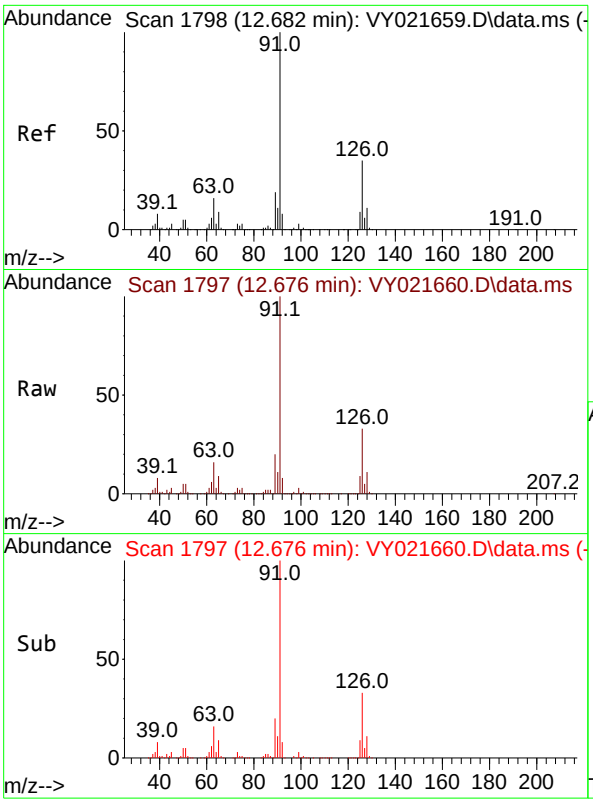
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 103.290 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 1557825

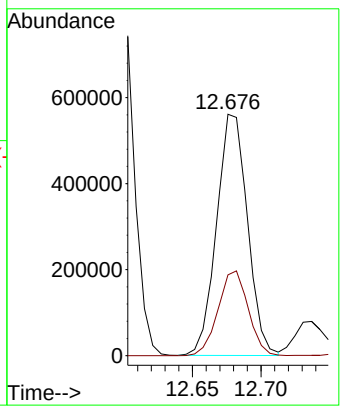
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9



#79
2-Chlorotoluene
Concen: 100.382 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 87933

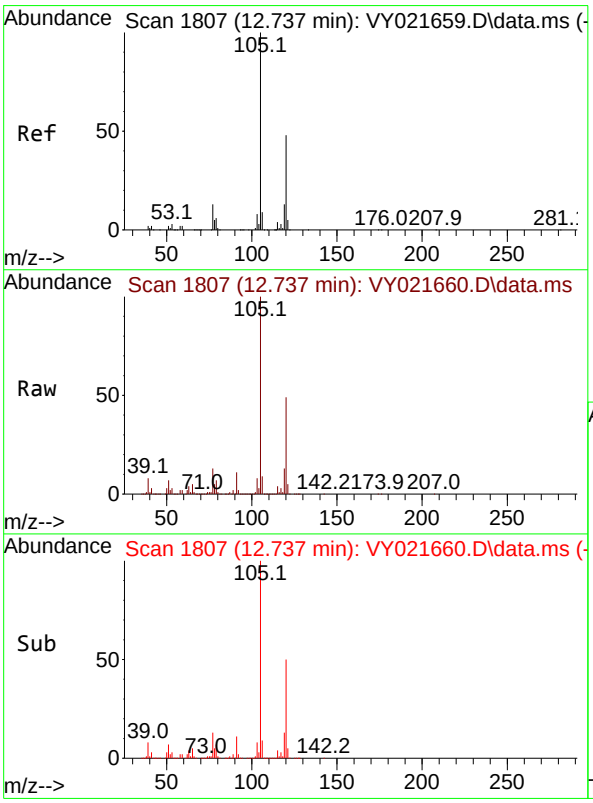
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

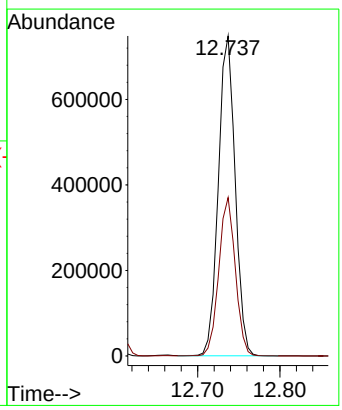
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

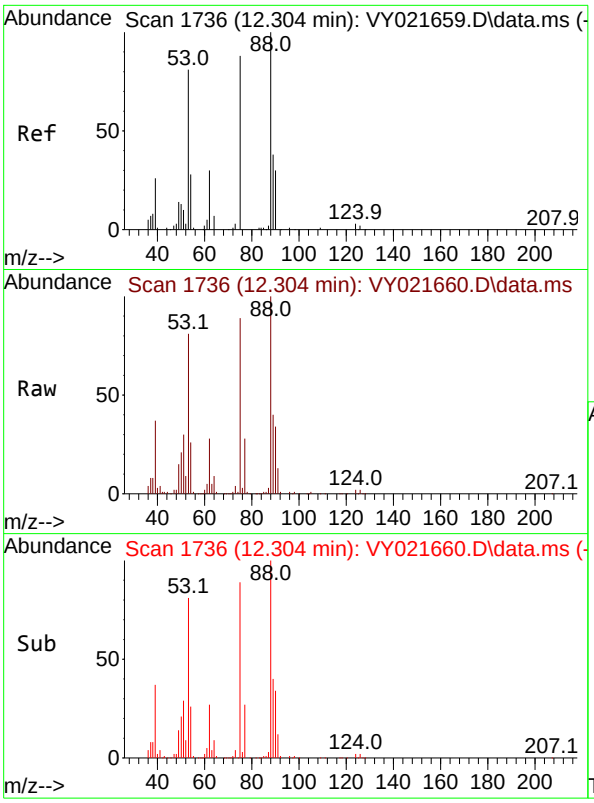


#80
1,3,5-Trimethylbenzene
Concen: 103.480 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1060963

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.5	73.5

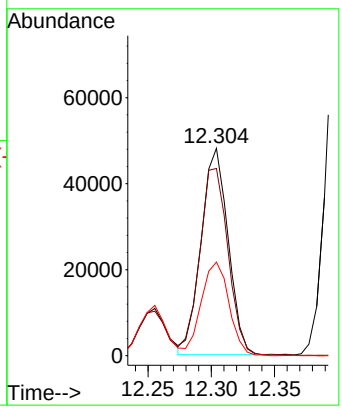




#81
trans-1,4-Dichloro-2-butene
Concen: 98.330 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 7144

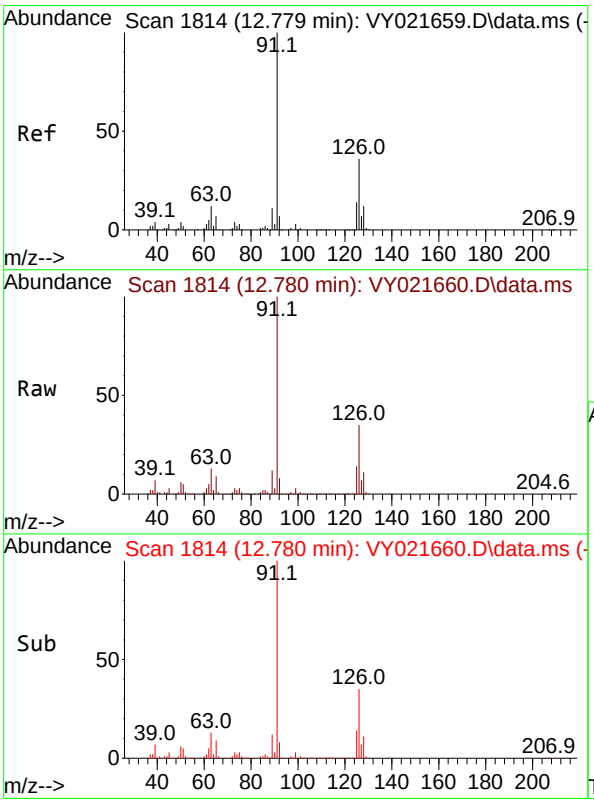
Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.1	114.1
89	46.1	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

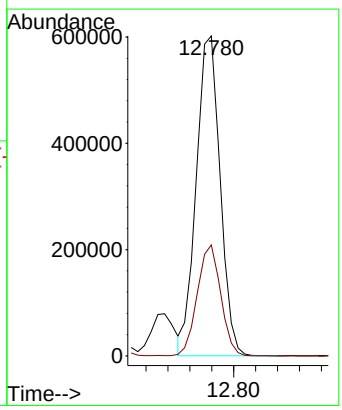
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

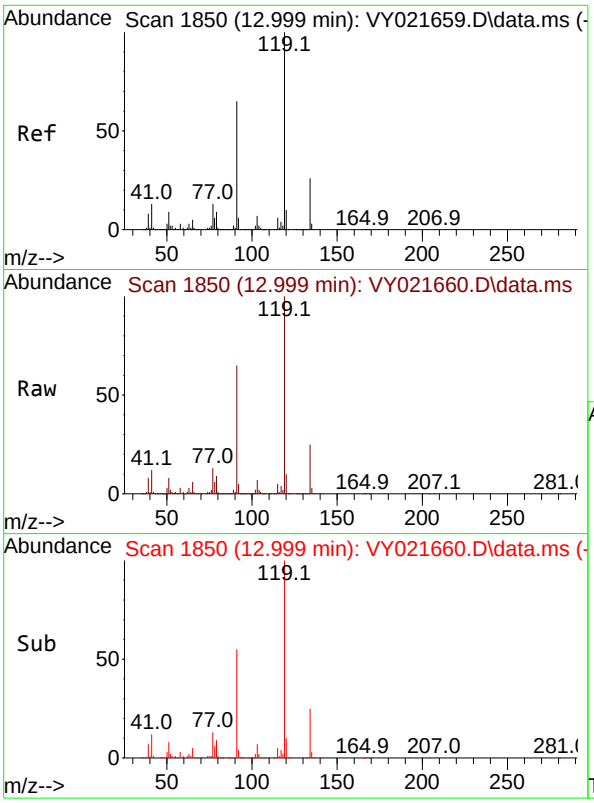


#82
4-Chlorotoluene
Concen: 99.676 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 910295

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	50.9

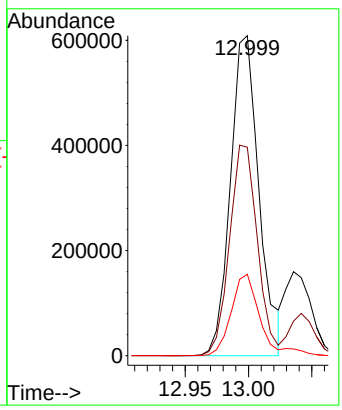




#83
tert-Butylbenzene
Concen: 104.762 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:119 Resp: 95670

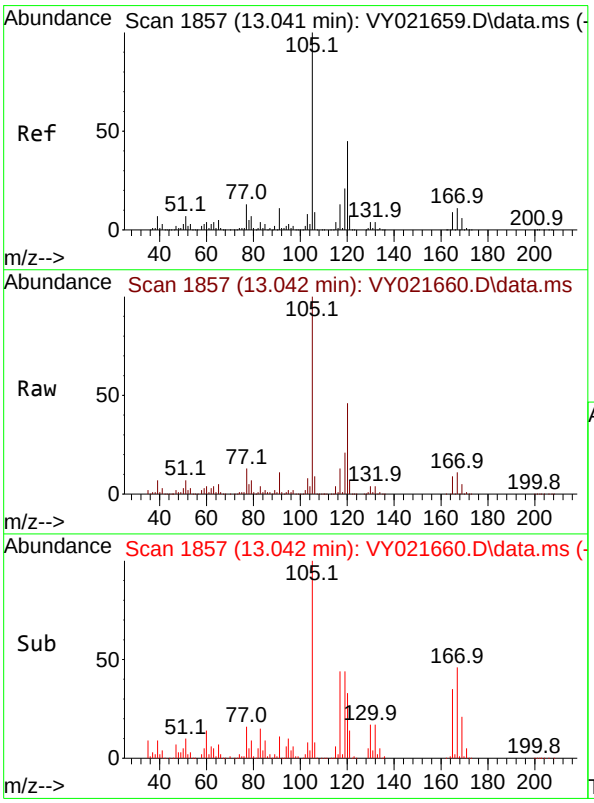
Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.6	97.7
134	25.8	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

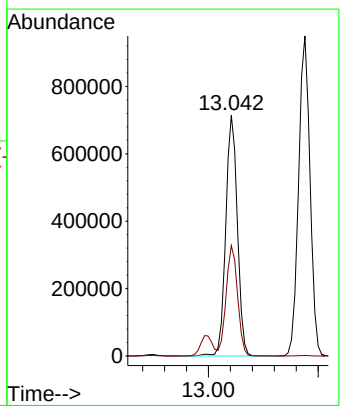
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

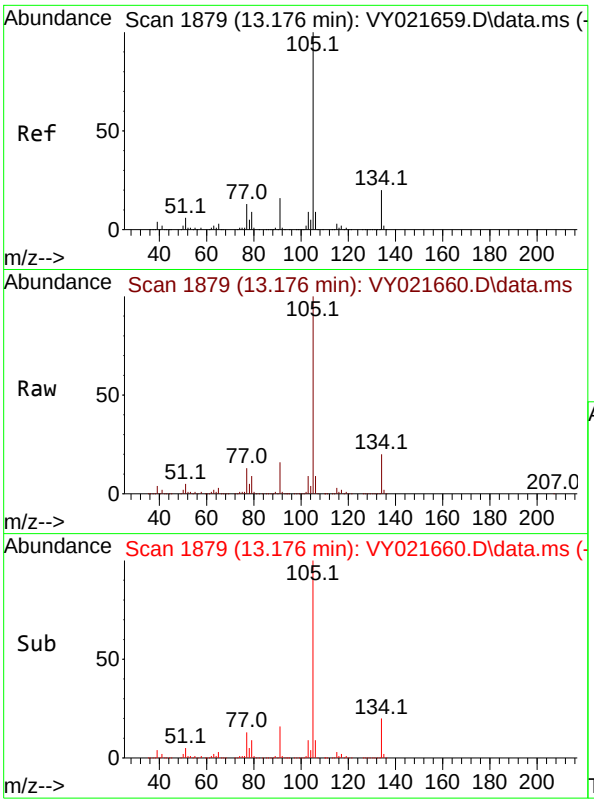


#84
1,2,4-Trimethylbenzene
Concen: 103.880 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1052663

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.1

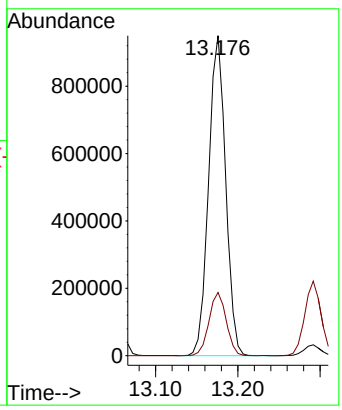




#85
sec-Butylbenzene
Concen: 102.624 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 136960

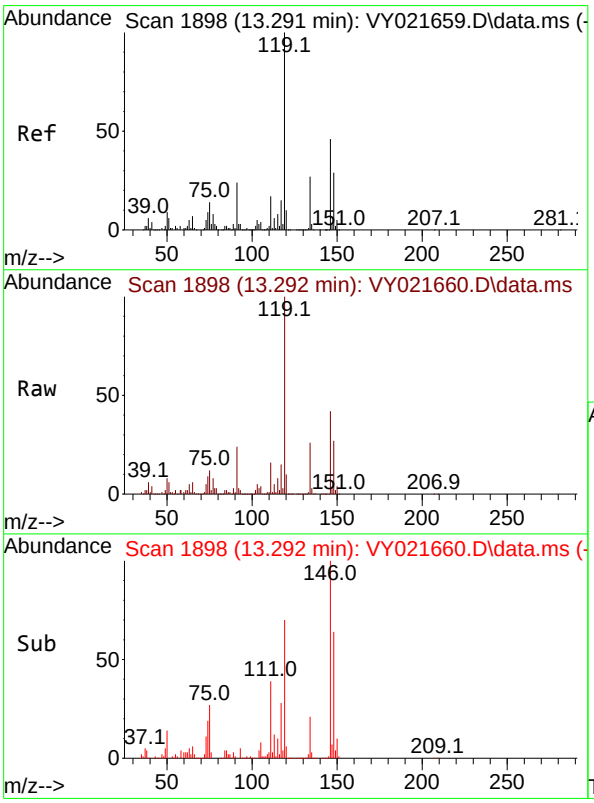
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

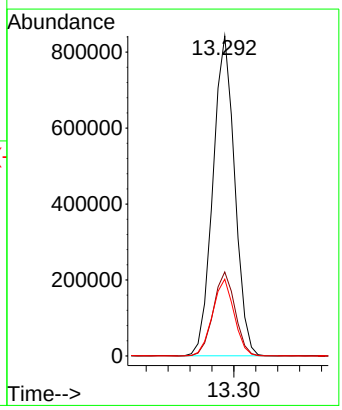
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

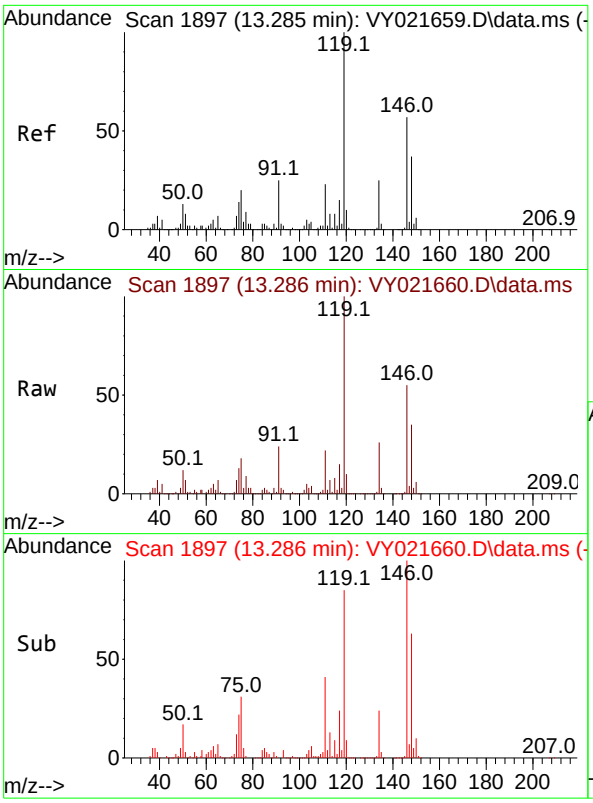


#86
p-Isopropyltoluene
Concen: 105.509 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:119 Resp: 1163796

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	23.8	12.0	36.0

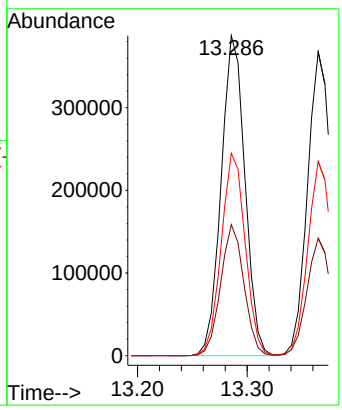




#87
1,3-Dichlorobenzene
Concen: 98.384 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:146 Resp: 58383

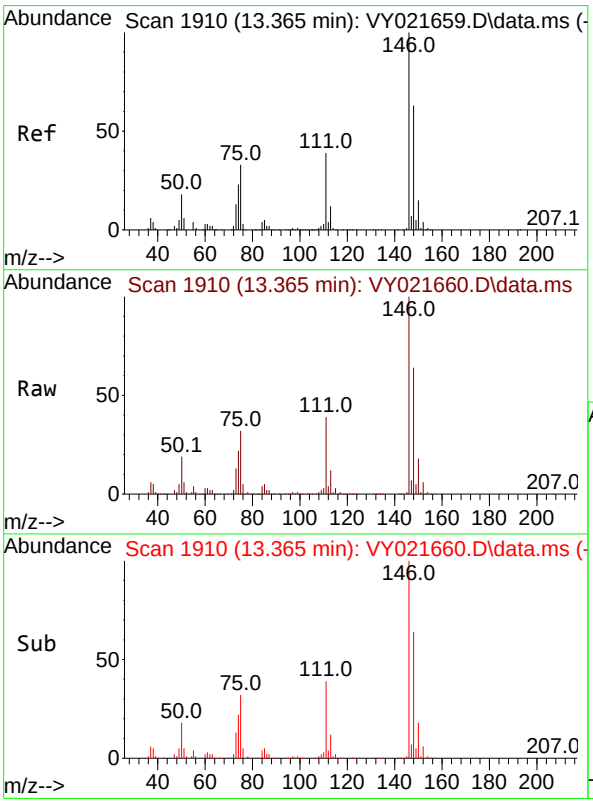
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.9	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

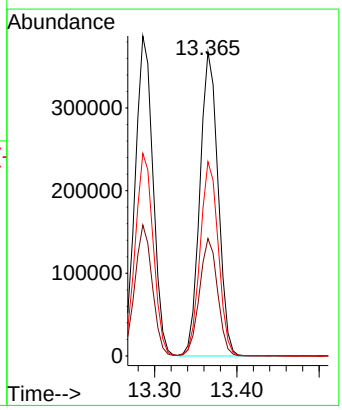
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

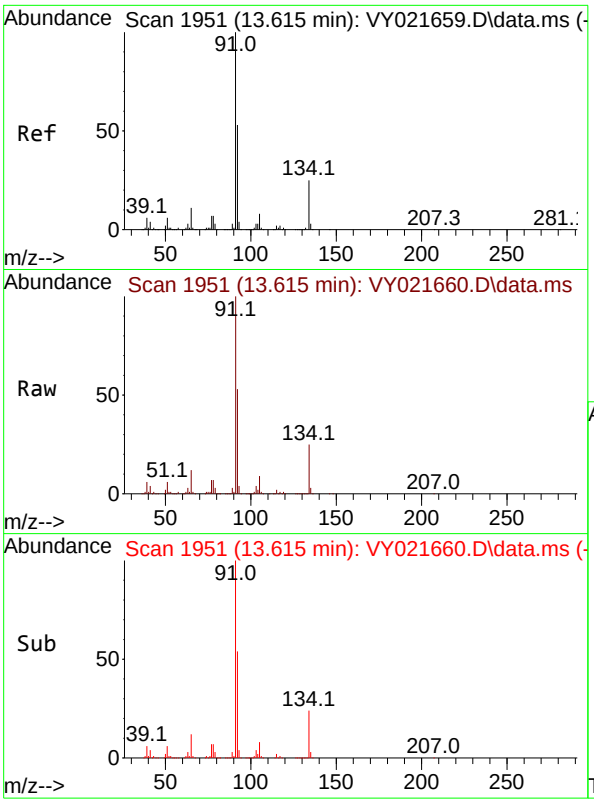


#88
1,4-Dichlorobenzene
Concen: 96.416 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:146 Resp: 565293

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.8	31.5	94.5

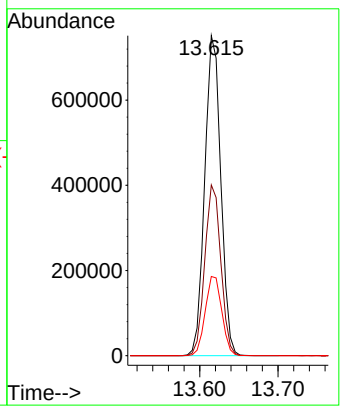




#89
n-Butylbenzene
Concen: 104.828 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 106935

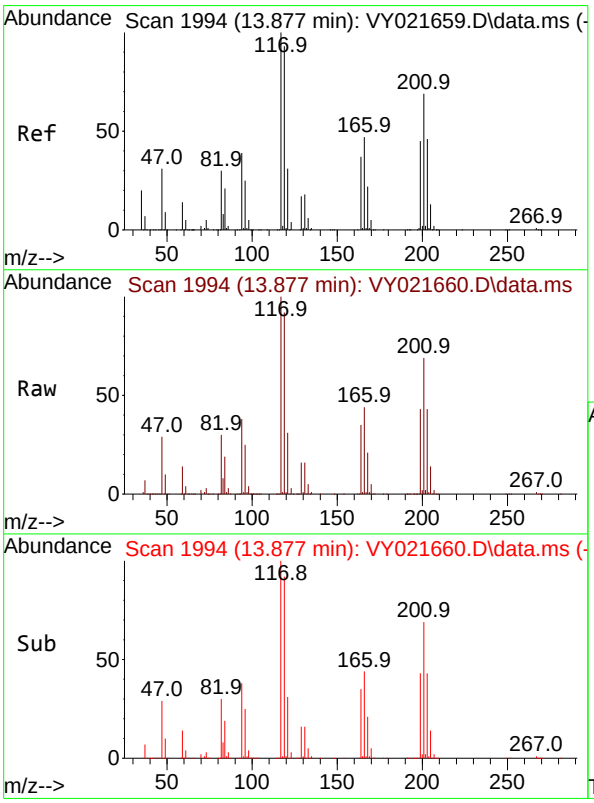
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.6	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

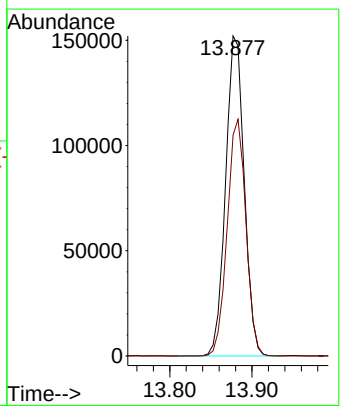
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

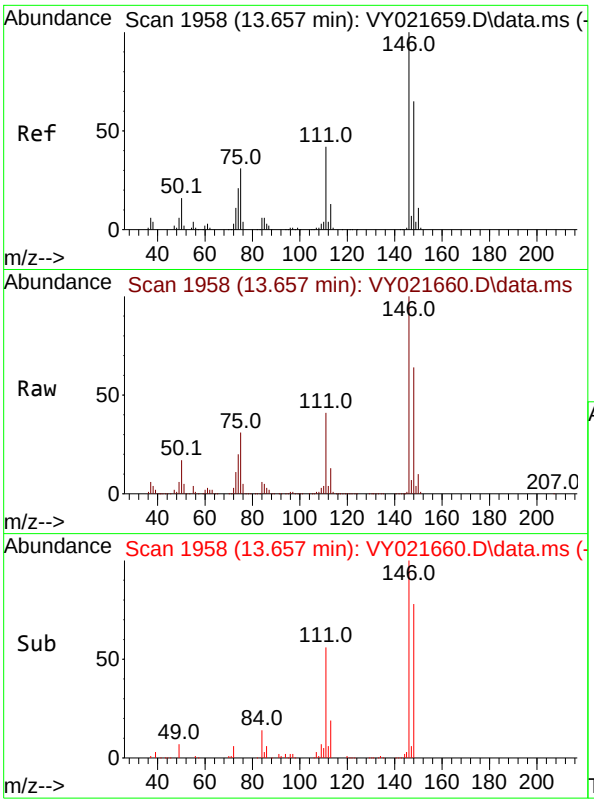


#90
Hexachloroethane
Concen: 99.078 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 239487

Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.4	112.1

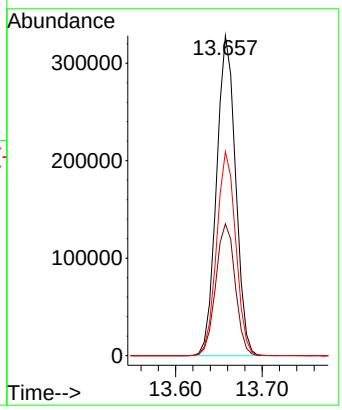




#91
1,2-Dichlorobenzene
Concen: 97.186 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:146 Resp: 50204

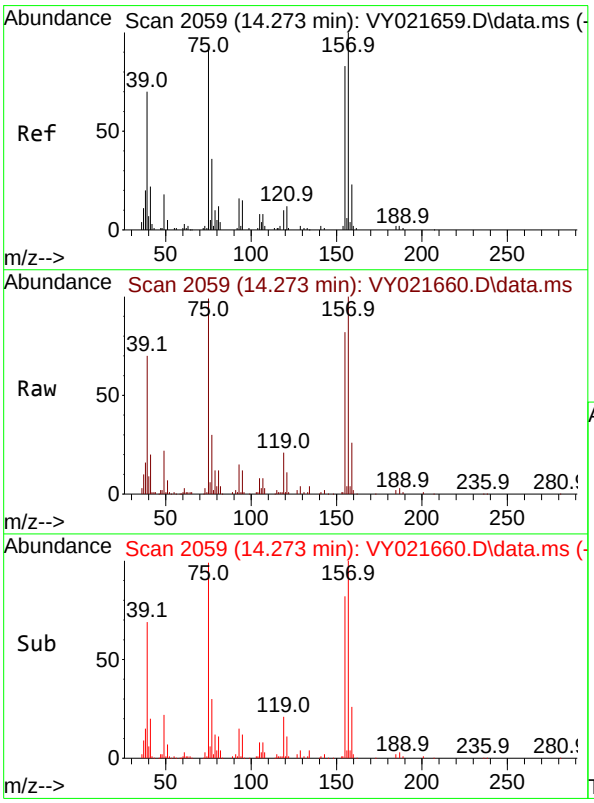
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.0	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

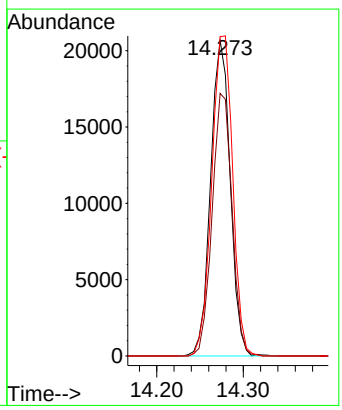
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

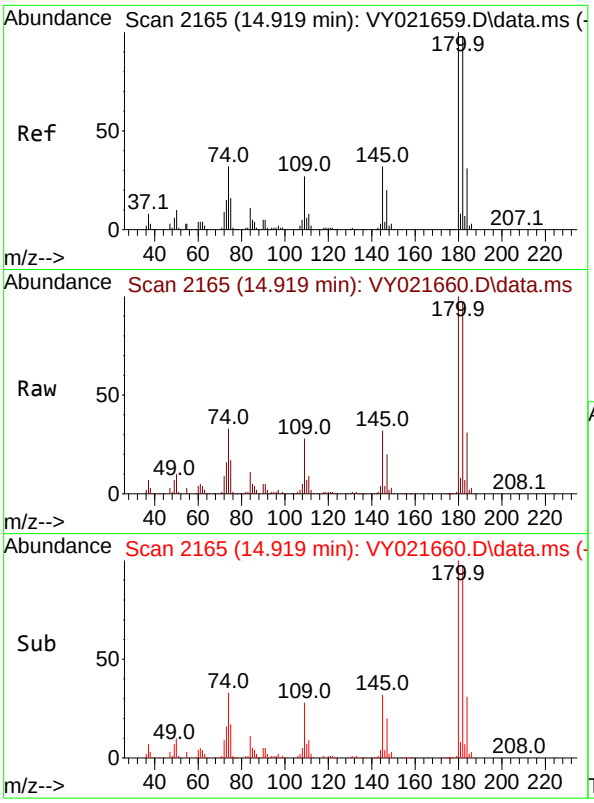


#92
1,2-Dibromo-3-Chloropropane
Concen: 93.136 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 32558

Ion	Ratio	Lower	Upper
75	100		
155	84.2	43.0	128.8
157	107.9	54.0	162.0

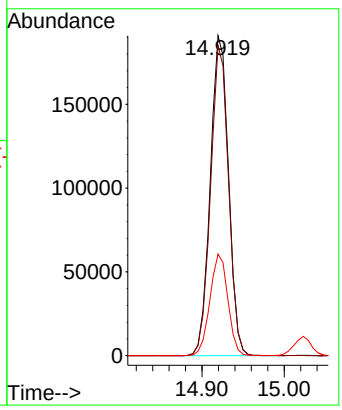




#93
1,2,4-Trichlorobenzene
Concen: 104.943 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:180 Resp: 29398

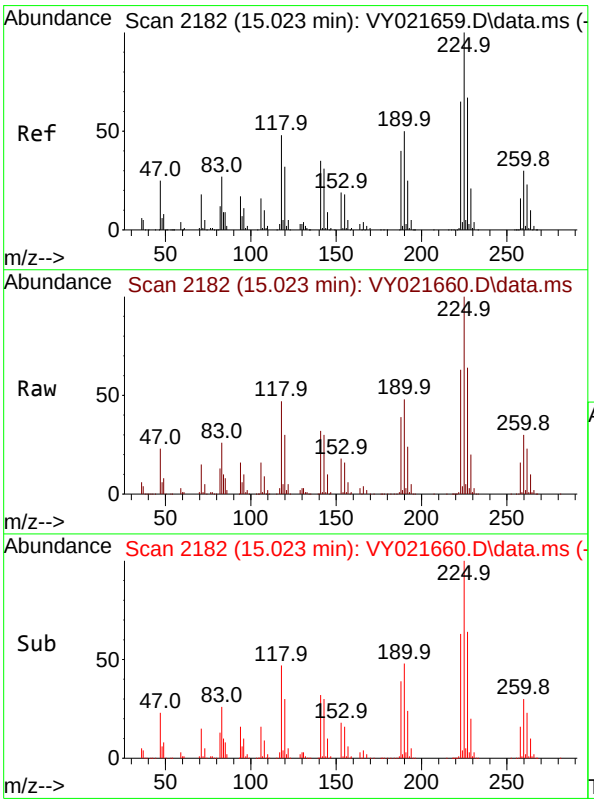
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	31.2	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

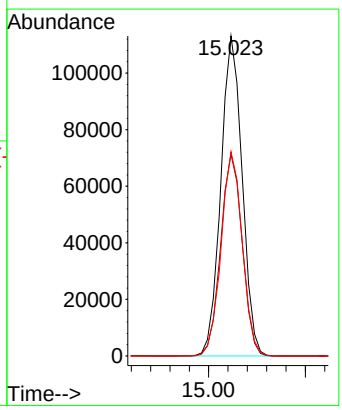
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

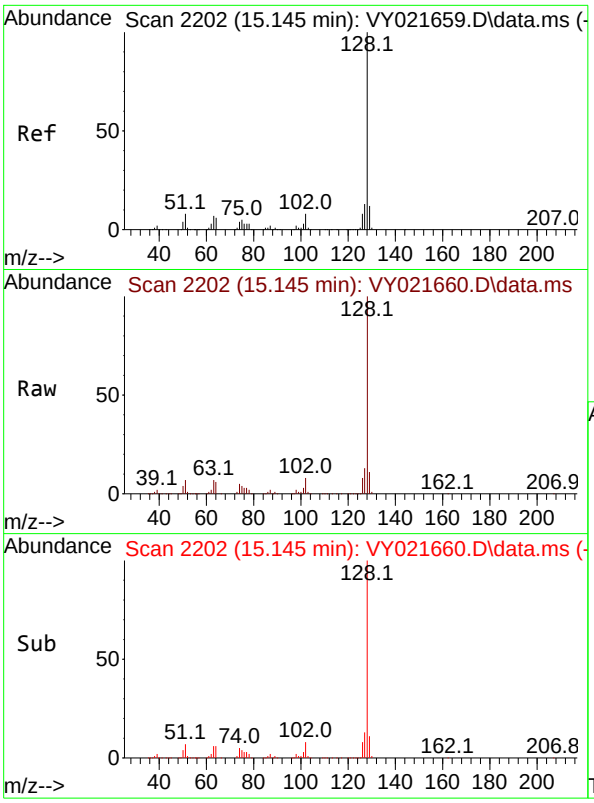


#94
Hexachlorobutadiene
Concen: 98.829 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:225 Resp: 172909

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.5	32.4	97.0

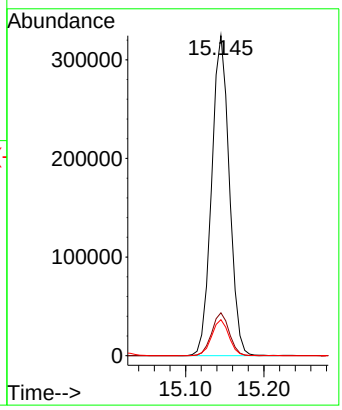




#95
Naphthalene
Concen: 109.498 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:128 Resp: 50844

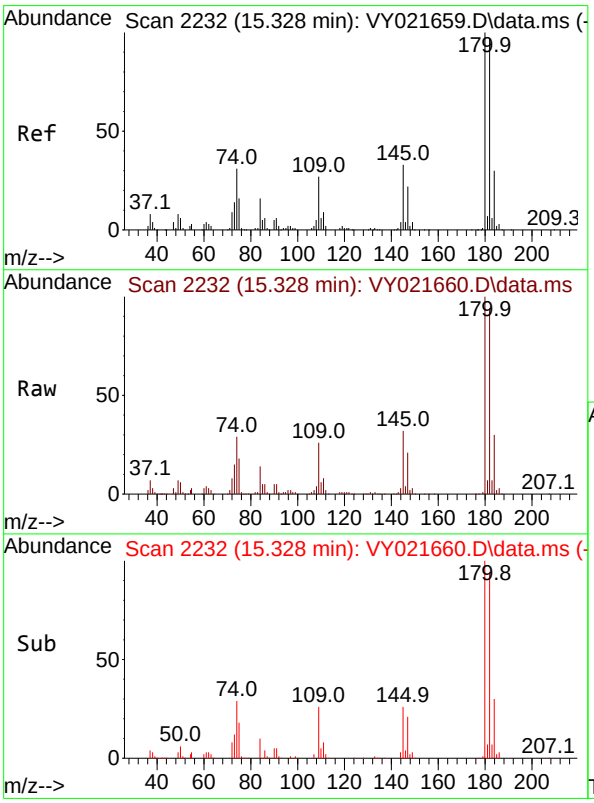
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

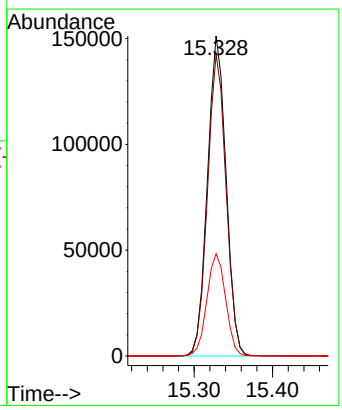
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.158 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:180 Resp: 248821

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	32.1	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.860%#			
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.720%#			
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.040%#			
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 292.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447 ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165 ug/l		100
43) Isopropyl Acetate	8.195	43	527316	144.731 ug/l	#	87
44) Trichloroethene	8.866	130	430629	138.536 ug/l		99
45) 1,2-Dichloropropane	9.140	63	401955	139.191 ug/l		99
46) Dibromomethane	9.231	93	228287	137.167 ug/l		98
47) Bromodichloromethane	9.420	83	598421	138.764 ug/l		98
48) Methyl methacrylate	9.219	41	251339	150.306 ug/l		99
49) 1,4-Dioxane	9.225	88	53338	2991.658 ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160 ug/l		100
52) Toluene	10.170	92	1094229	143.758 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159 ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396 ug/l		99
56) Ethyl methacrylate	10.439	69	443517	162.176 ug/l		98
57) 1,3-Dichloropropane	10.719	76	517706	139.961 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867 ug/l		100
59) 2-Hexanone	10.762	43	955051	756.341 ug/l		99
60) Dibromochloromethane	10.908	129	417230	142.682 ug/l		99
61) 1,2-Dibromoethane	11.018	107	283453	141.082 ug/l		98
64) Tetrachloroethene	10.646	164	421368	125.966 ug/l		98
65) Chlorobenzene	11.444	112	1182770	140.483 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910 ug/l		100
67) Ethyl Benzene	11.518	91	2131884	147.665 ug/l		100
68) m/p-Xylenes	11.627	106	1610305	291.277 ug/l		100
69) o-Xylene	11.957	106	764721	149.852 ug/l		98
70) Styrene	11.969	104	1300778	152.877 ug/l		99
71) Bromoform	12.133	173	244045	143.224 ug/l	#	99
73) Isopropylbenzene	12.255	105	1969094	149.537 ug/l		99
74) N-amyl acetate	12.072	43	498903	161.437 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	249855m	142.174 ug/l		
77) Bromobenzene	12.530	156	461221	145.881 ug/l		99
78) n-propylbenzene	12.597	91	2344286	148.082 ug/l		100
79) 2-Chlorotoluene	12.682	91	1343328	146.095 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137 ug/l		99
82) 4-Chlorotoluene	12.780	91	1386233	144.608 ug/l		100
83) tert-Butylbenzene	12.999	119	1444053	150.647 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003 ug/l		100
85) sec-Butylbenzene	13.176	105	2052157	146.493 ug/l		99
86) p-Isopropyltoluene	13.292	119	1769866	152.863 ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489 ug/l		99
89) n-Butylbenzene	13.615	91	1609064	150.273 ug/l		99
90) Hexachloroethane	13.883	117	363244	143.167 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803 ug/l		99
94) Hexachlorobutadiene	15.023	225	261678	142.491 ug/l		98
95) Naphthalene	15.145	128	859499	176.342 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

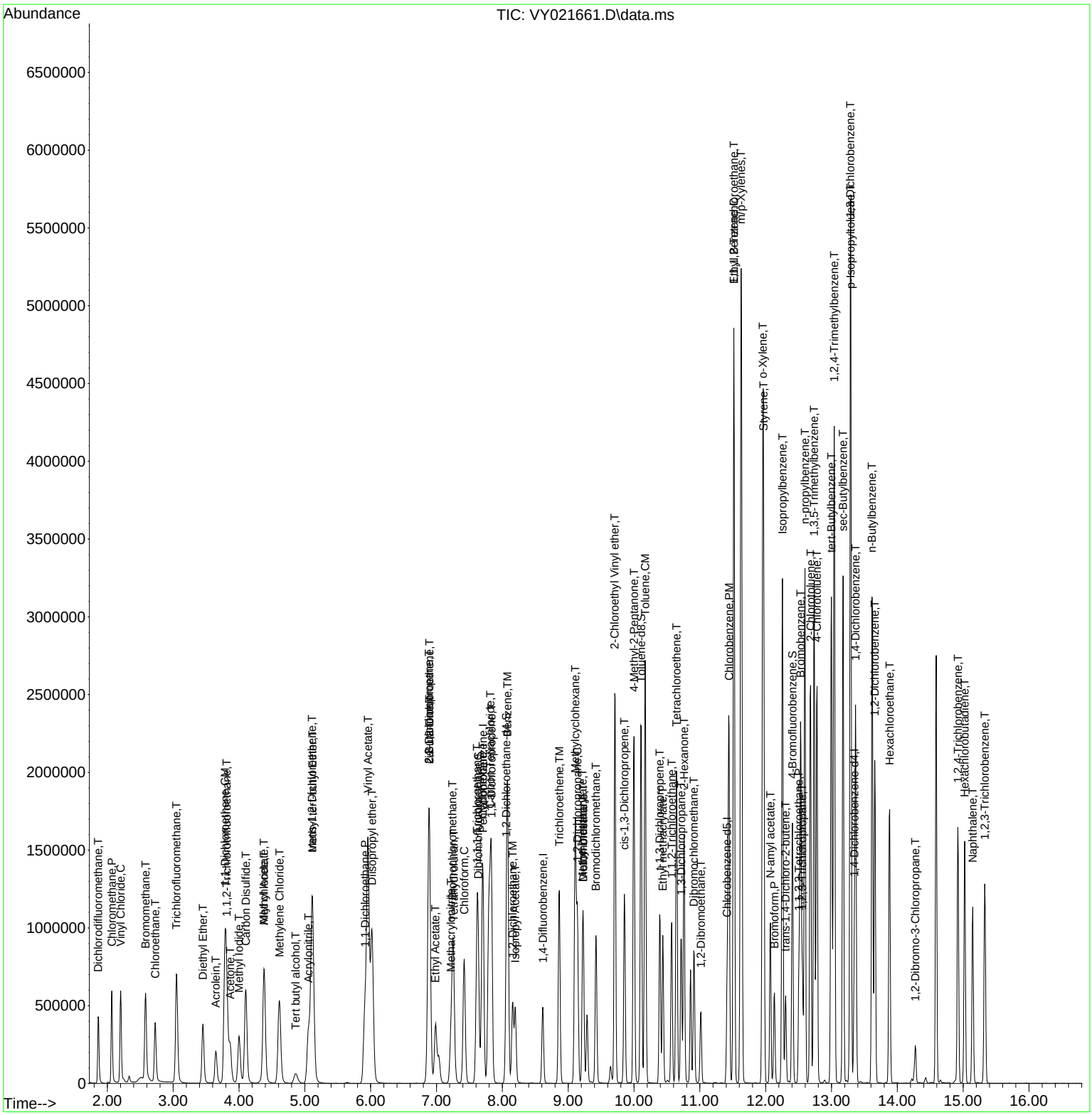
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Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

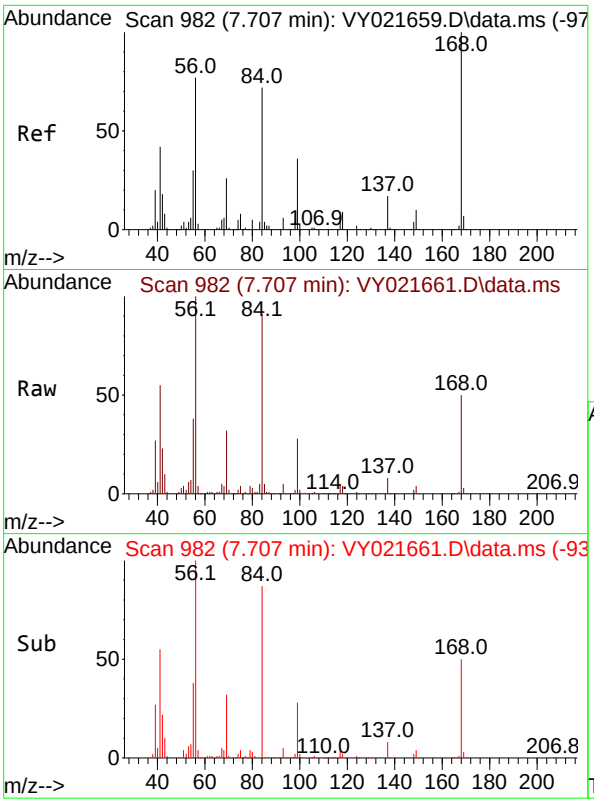
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

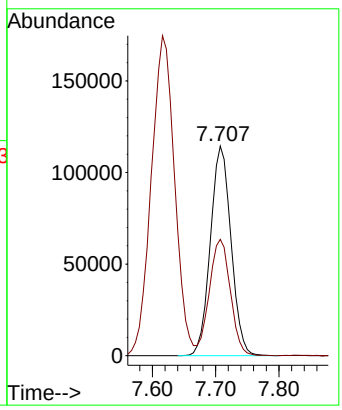




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:168 Resp: 25967

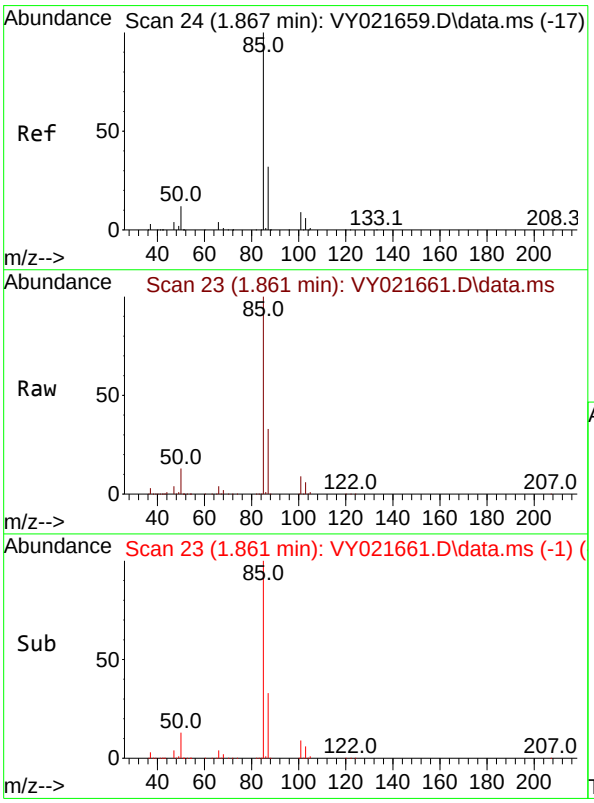
Ion	Ratio	Lower	Upper
168	100		
99	55.5	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

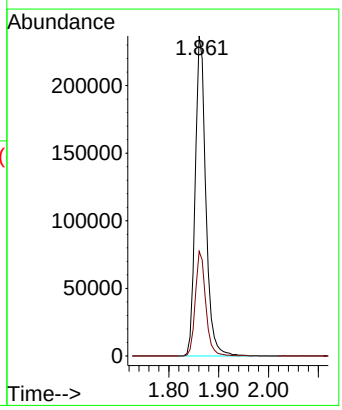
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

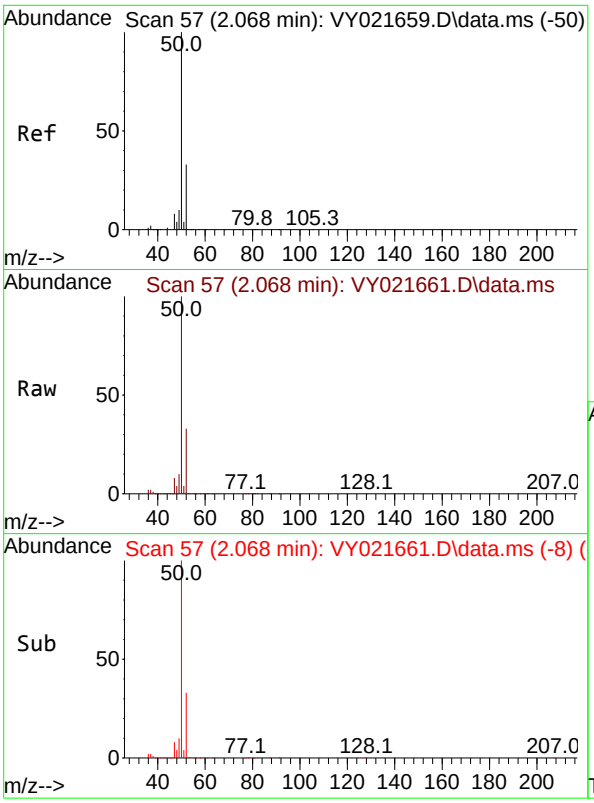


#2
Dichlorodifluoromethane
Concen: 129.414 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 85 Resp: 348314

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.2	48.6

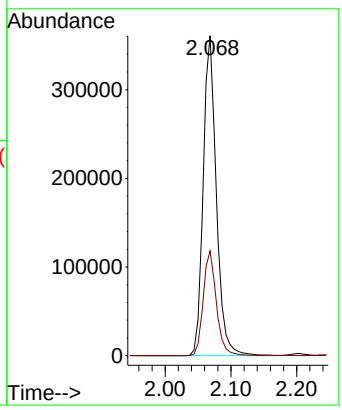




#3
Chloromethane
Concen: 132.551 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 50 Resp: 50165

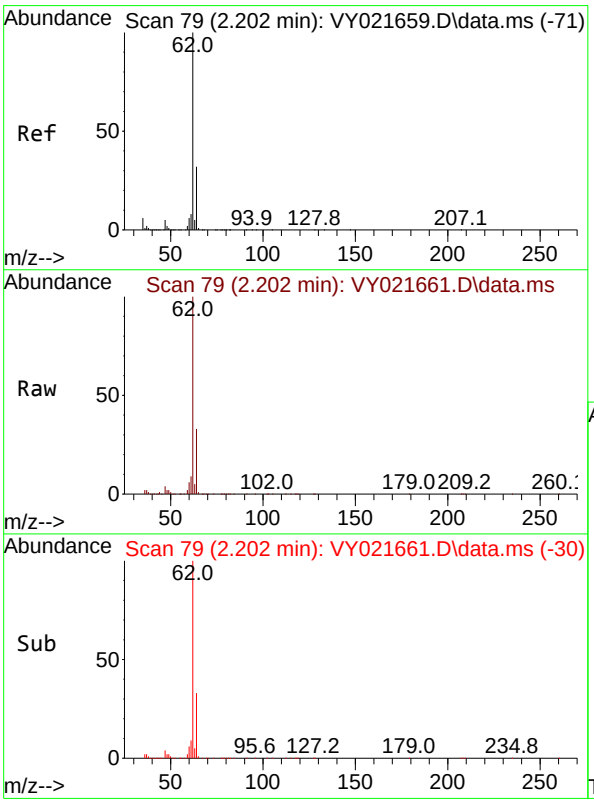
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

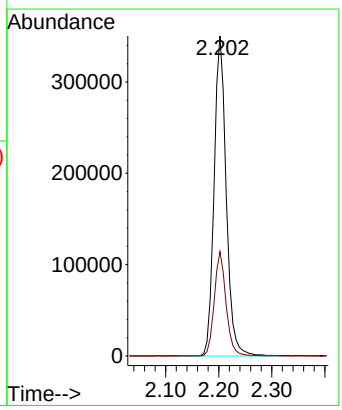
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

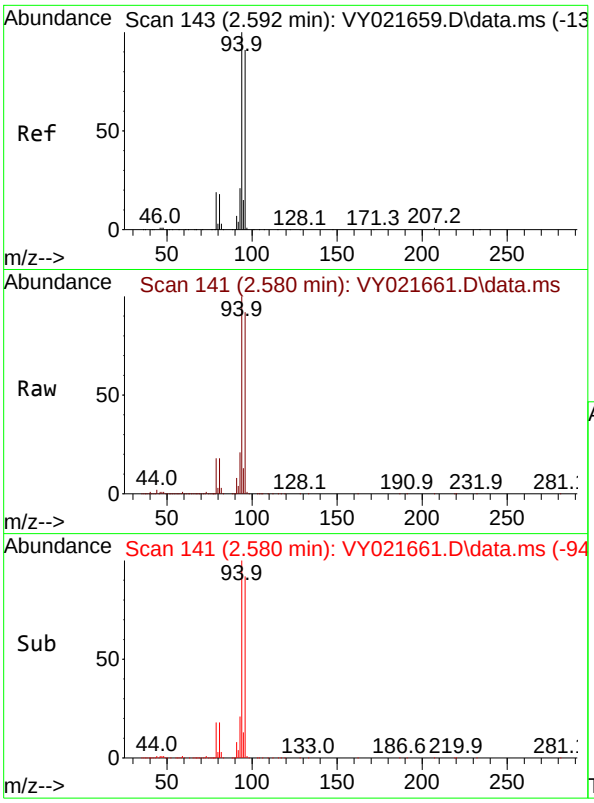


#4
Vinyl Chloride
Concen: 129.884 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 555909

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.5	38.3





#5
Bromomethane
Concen: 135.035 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

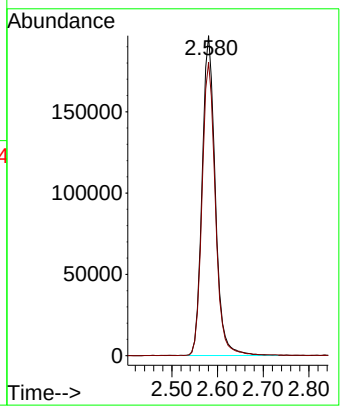
Tgt Ion: 94 Resp: 39418

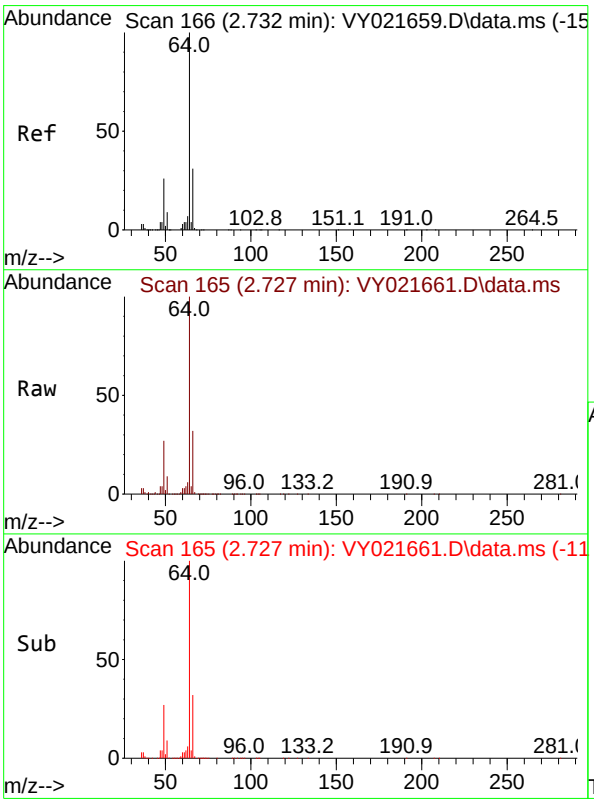
Ion	Ratio	Lower	Upper
94	100		
96	91.6	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

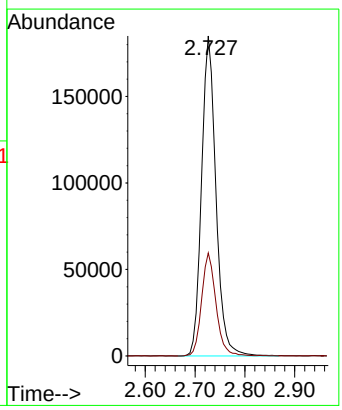


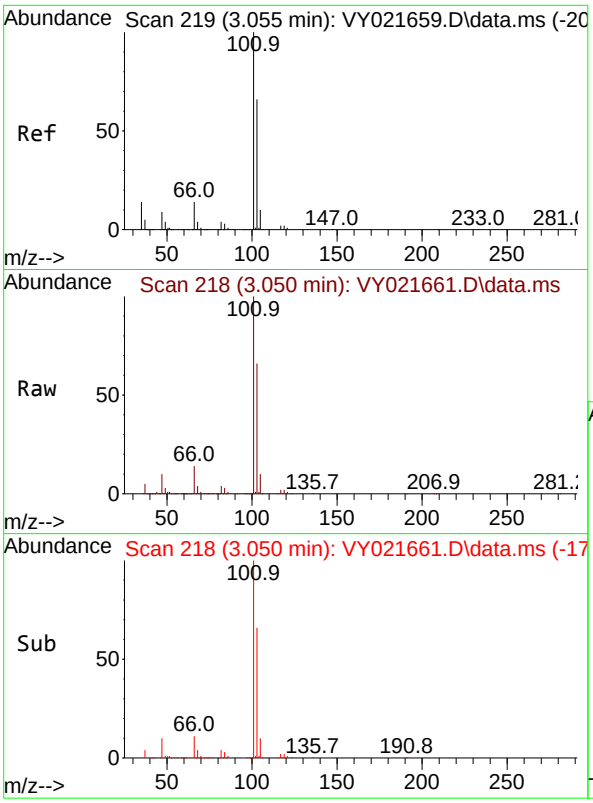


#6
Chloroethane
Concen: 132.337 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 64 Resp: 370633

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3

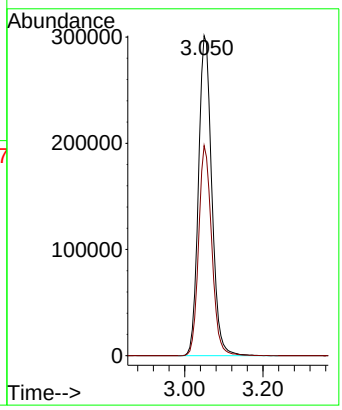




#7
Trichlorofluoromethane
Concen: 129.919 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:101 Resp: 71231

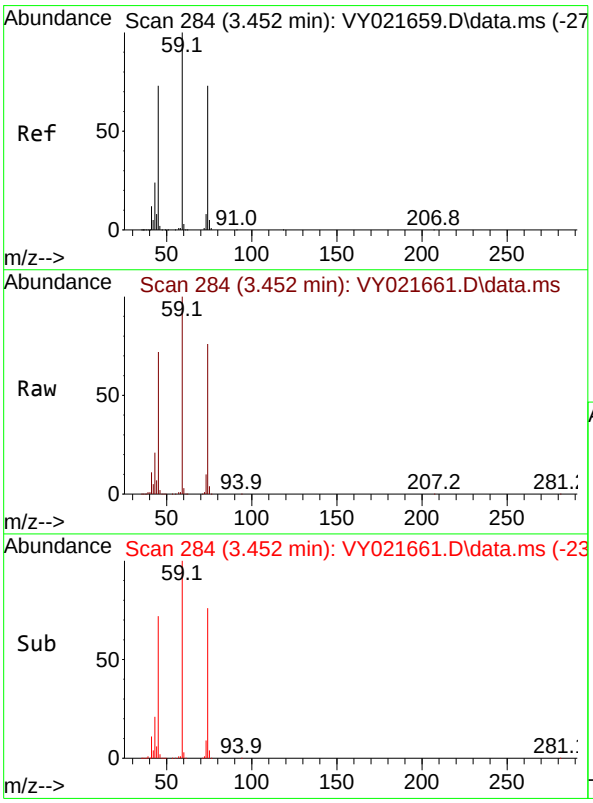
Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

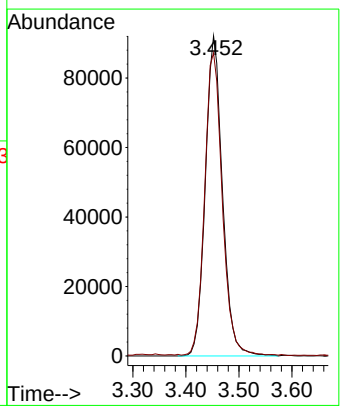
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

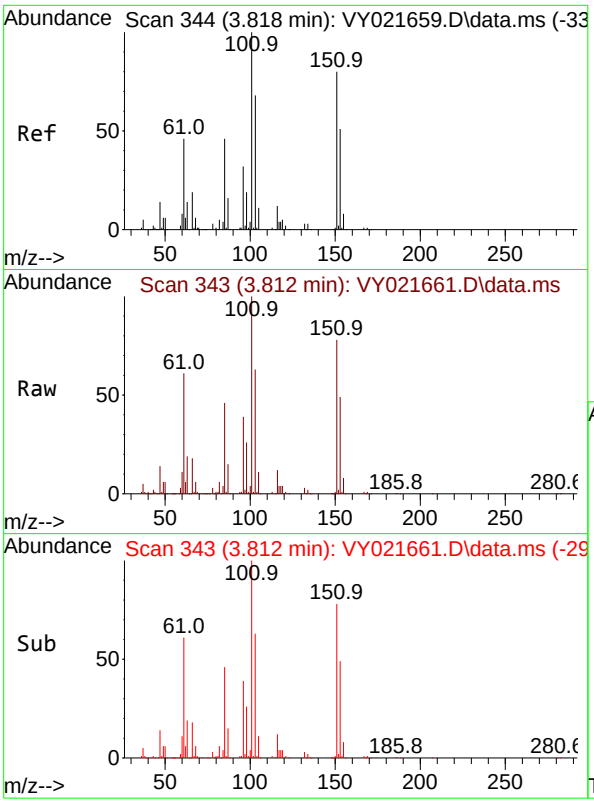


#8
Diethyl Ether
Concen: 138.727 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 74 Resp: 206844

Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 127.532 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

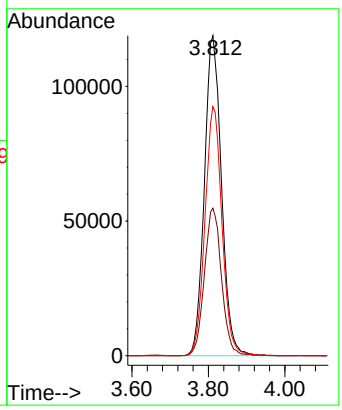
Tgt Ion:101 Resp: 36878

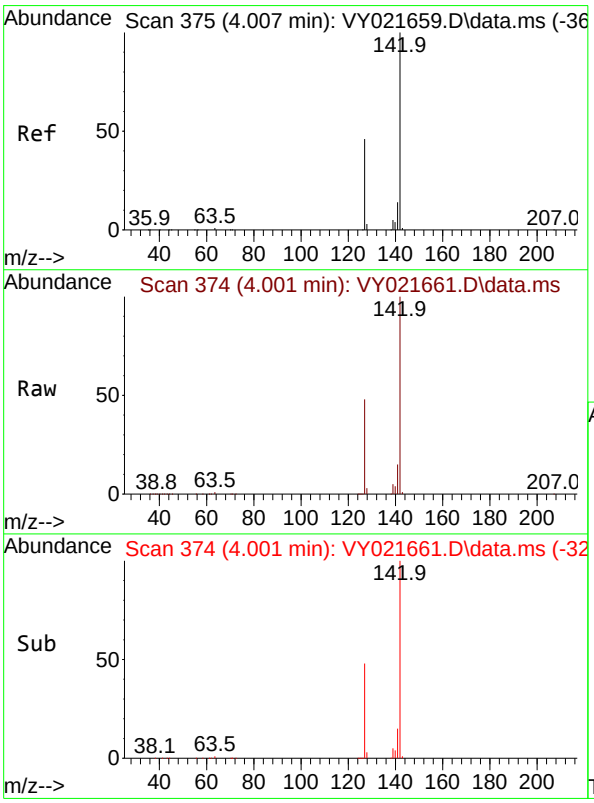
Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.3	54.5
151	77.5	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

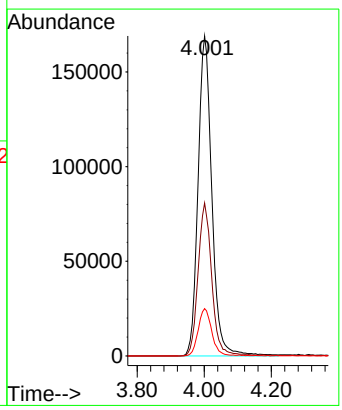


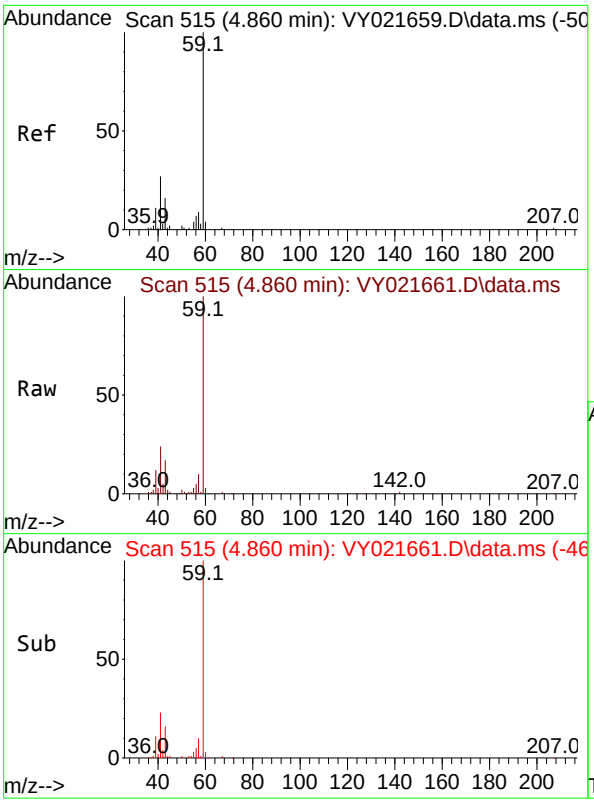


#10
Methyl Iodide
Concen: 152.366 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:142 Resp: 483364

Ion	Ratio	Lower	Upper
142	100		
127	47.4	38.7	58.1
141	14.5	11.5	17.3

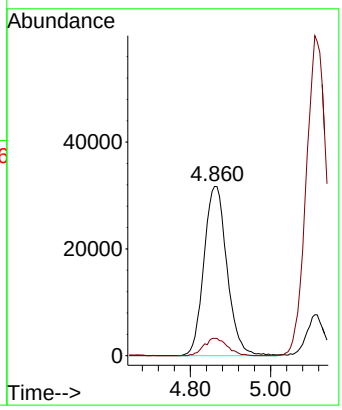




#11
Tert butyl alcohol
Concen: 692.642 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 59 Resp: 12657

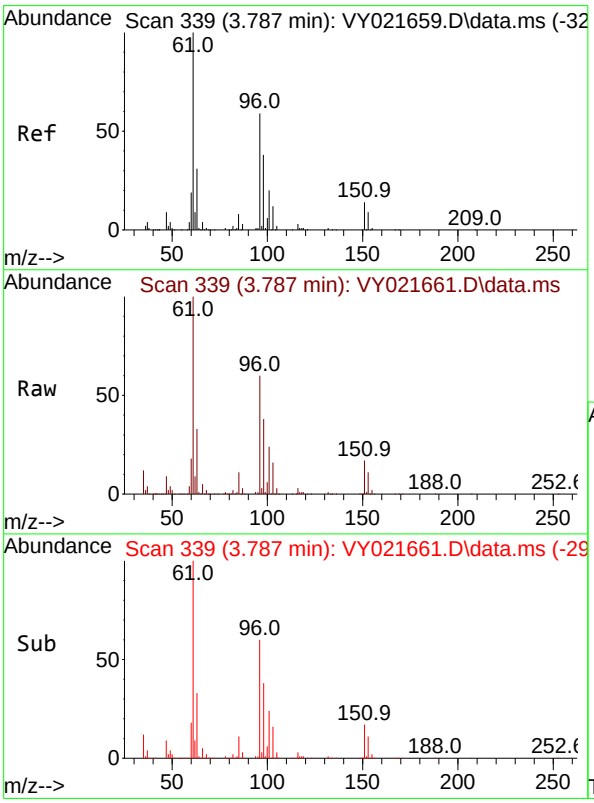
Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

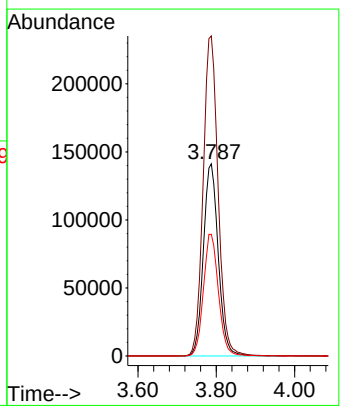
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

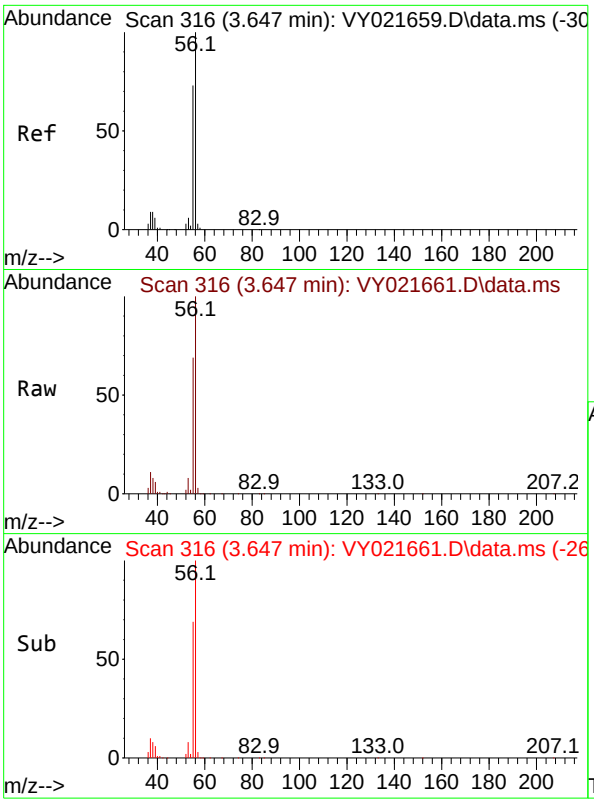


#12
1,1-Dichloroethene
Concen: 136.361 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 96 Resp: 371412

Ion	Ratio	Lower	Upper
96	100		
61	166.5	136.6	204.8
98	63.3	52.3	78.5

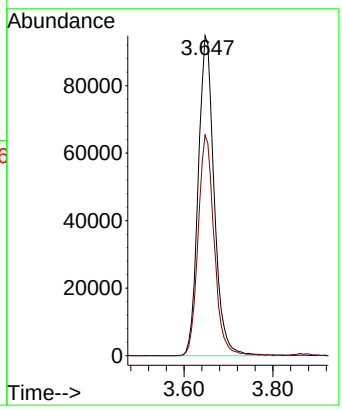




#13
Acrolein
Concen: 708.604 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 56 Resp: 23644

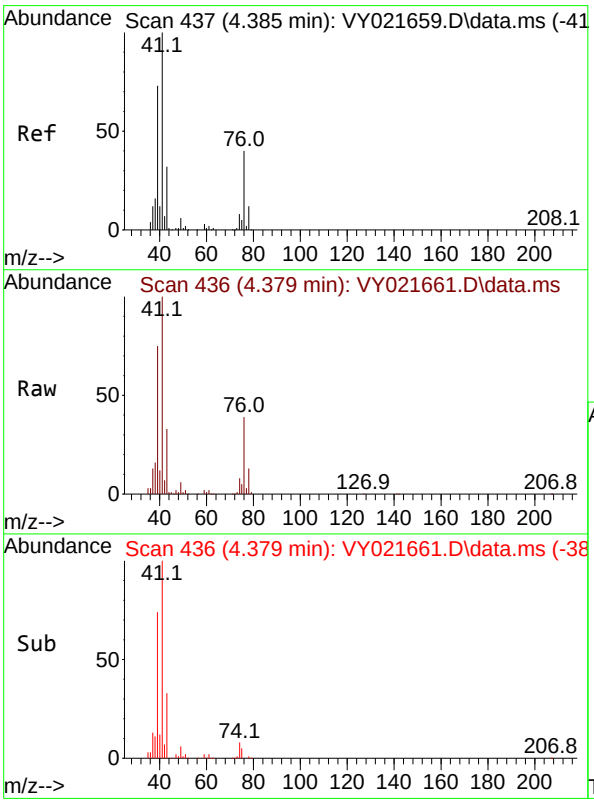
Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

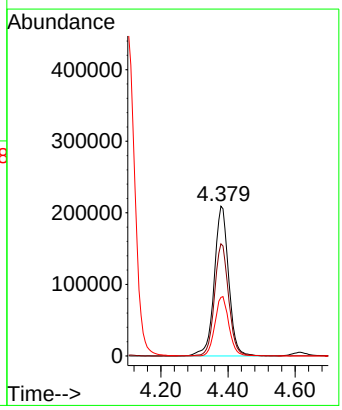
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

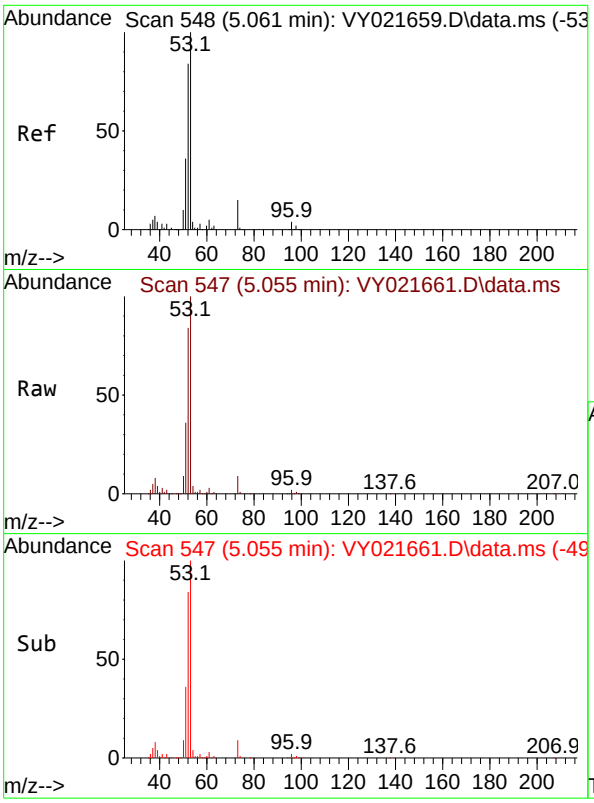


#14
Allyl chloride
Concen: 143.656 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 623865

Ion	Ratio	Lower	Upper
41	100		
39	73.5	58.6	88.0
76	38.2	30.3	45.5

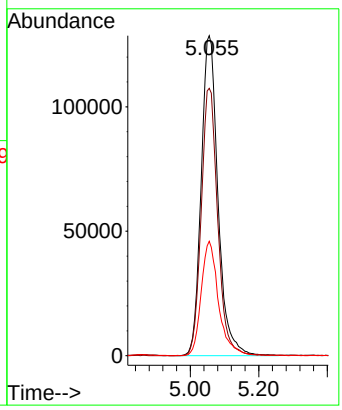




#15
Acrylonitrile
Concen: 706.375 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 53 Resp: 43975

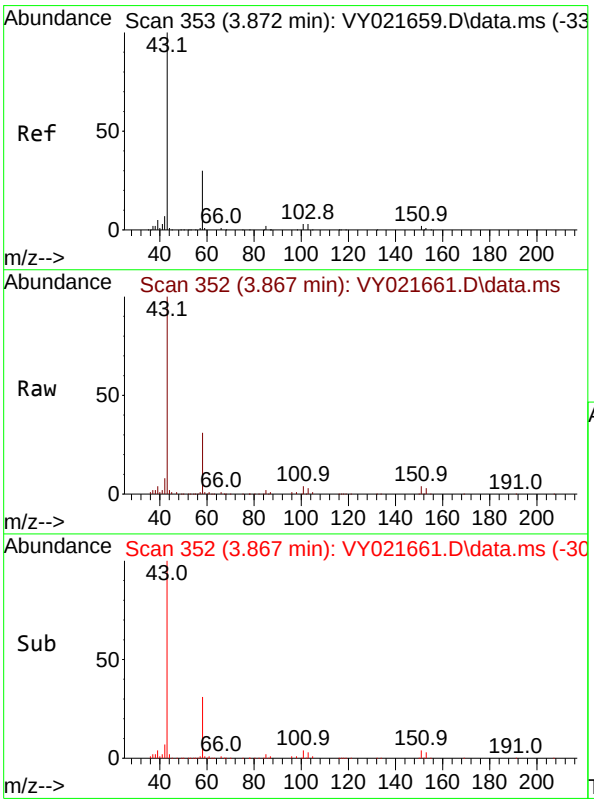
Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.9	97.3
51	37.0	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

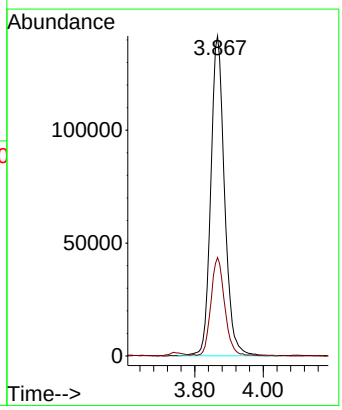
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

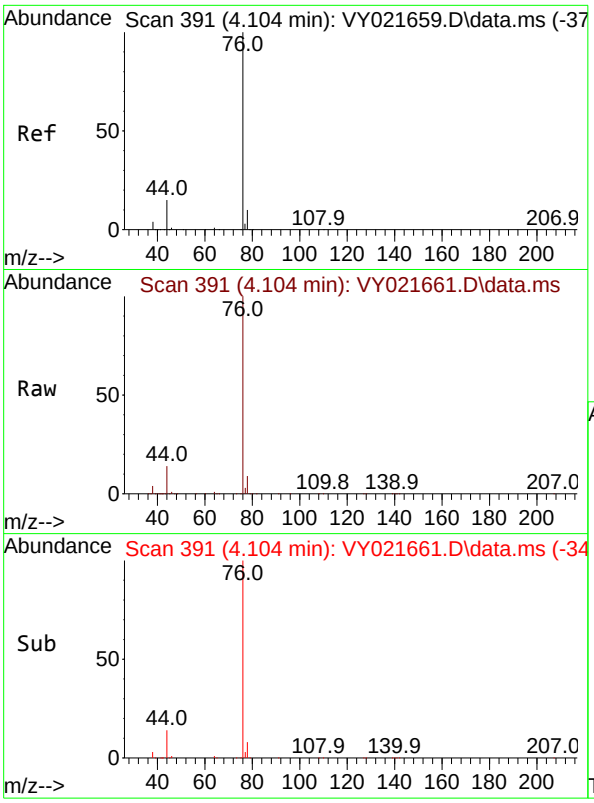


#16
Acetone
Concen: 686.626 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 395370

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4

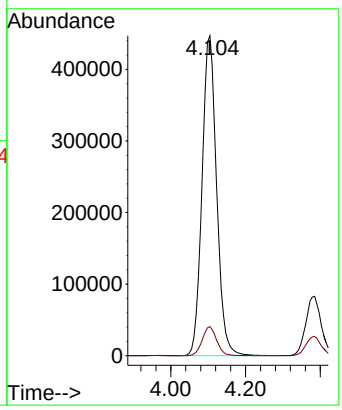




#17
Carbon Disulfide
Concen: 134.797 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 76 Resp: 120929

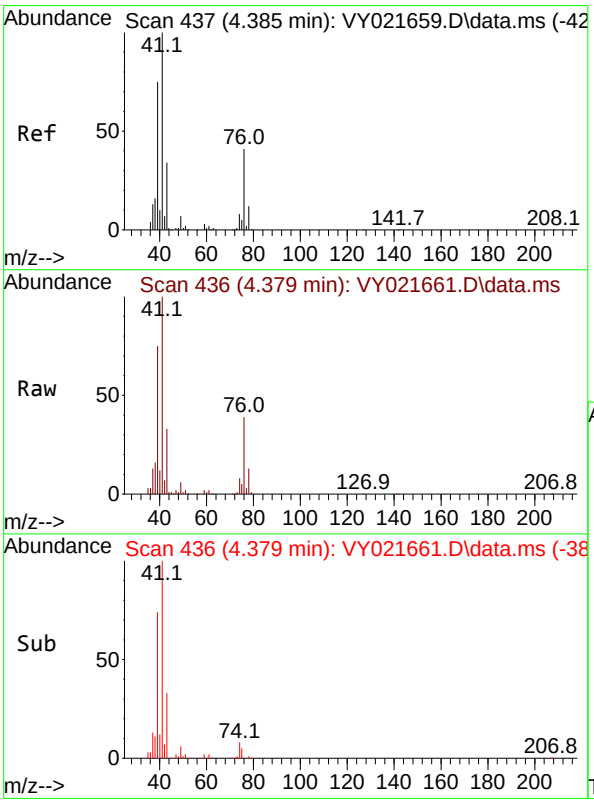
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

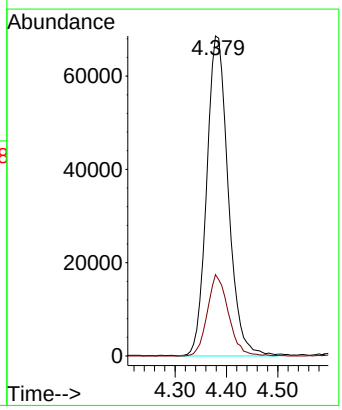
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

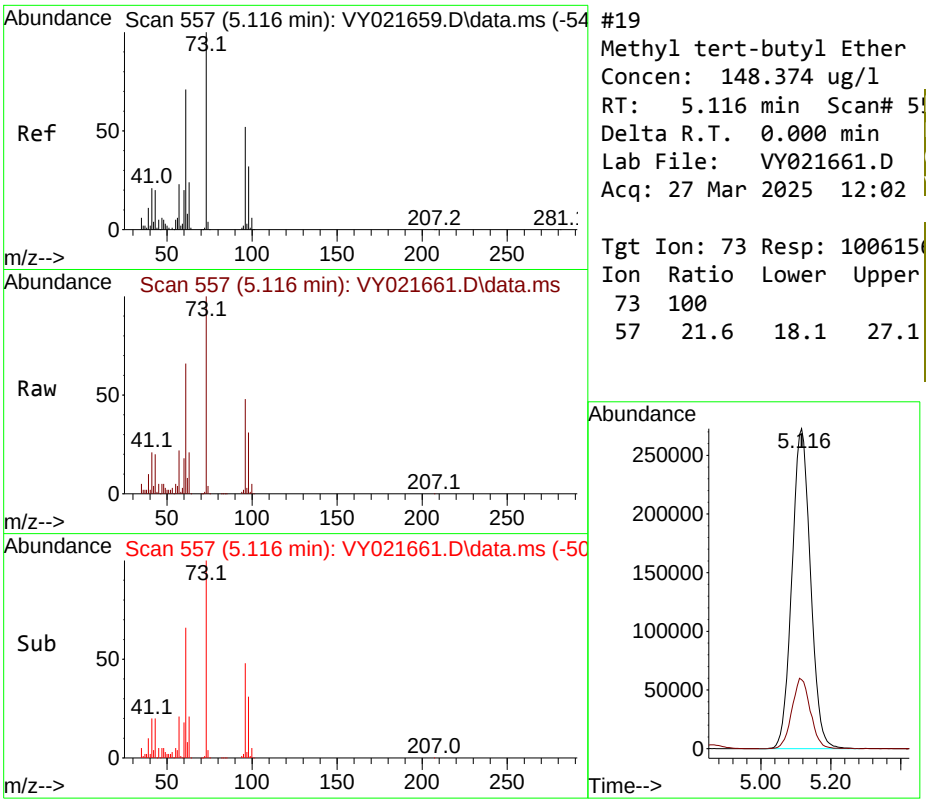


#18
Methyl Acetate
Concen: 140.110 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 199951

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 148.374 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

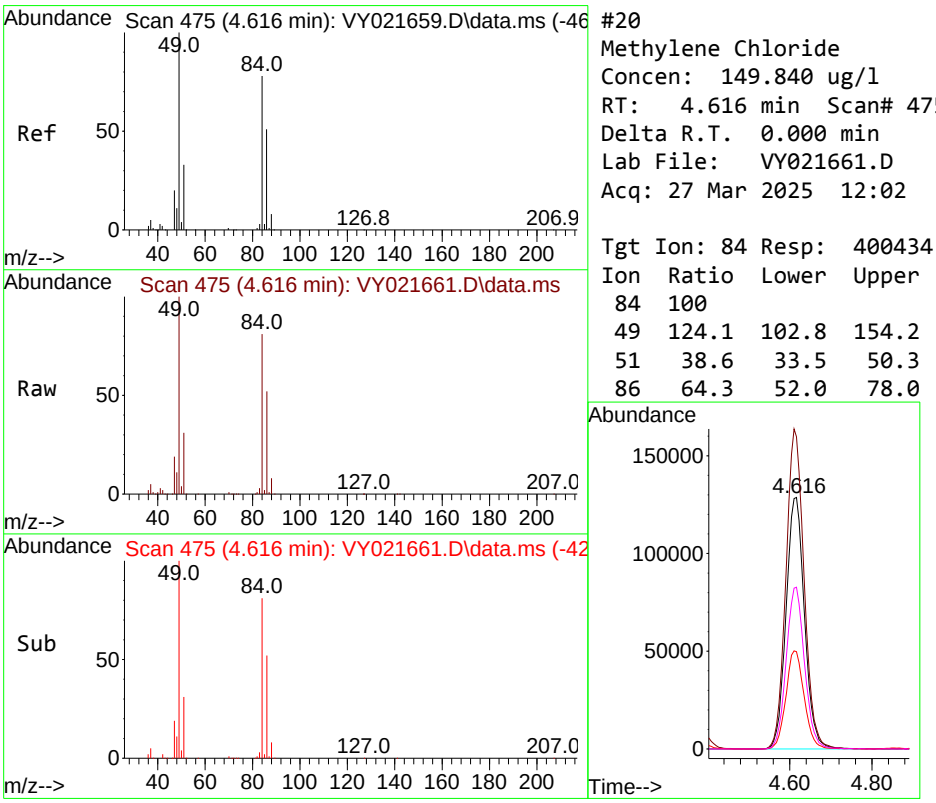
Tgt Ion: 73 Resp: 100615

Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.1	27.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

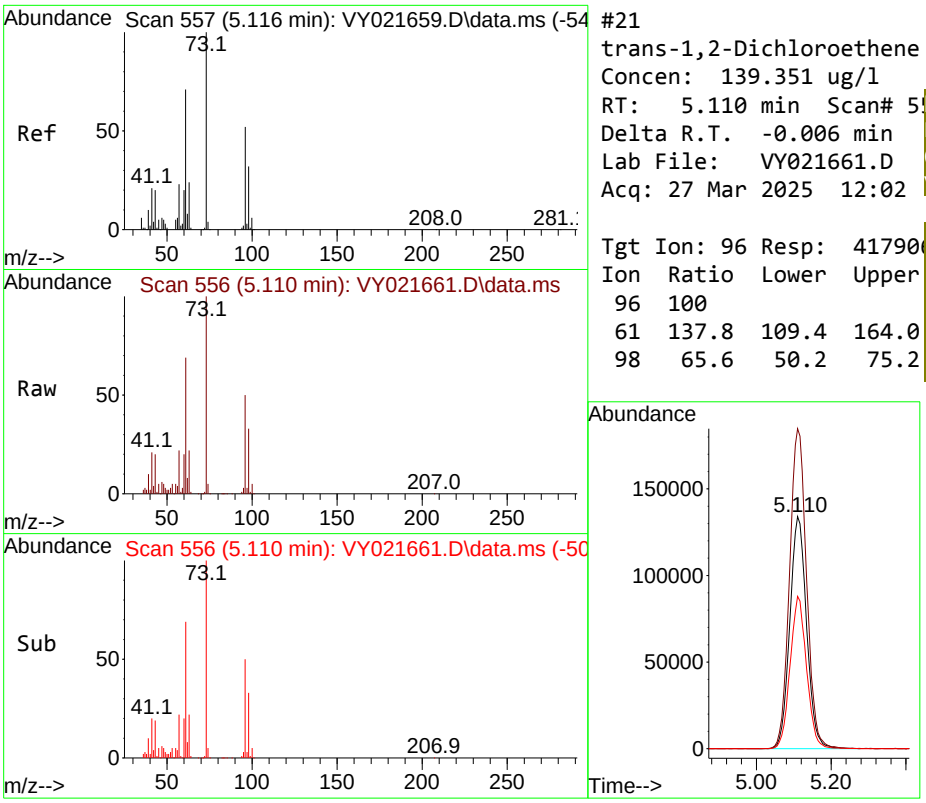
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#20
Methylene Chloride
Concen: 149.840 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 84 Resp: 400434

Ion	Ratio	Lower	Upper
84	100		
49	124.1	102.8	154.2
51	38.6	33.5	50.3
86	64.3	52.0	78.0



#21
trans-1,2-Dichloroethene
Concen: 139.351 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

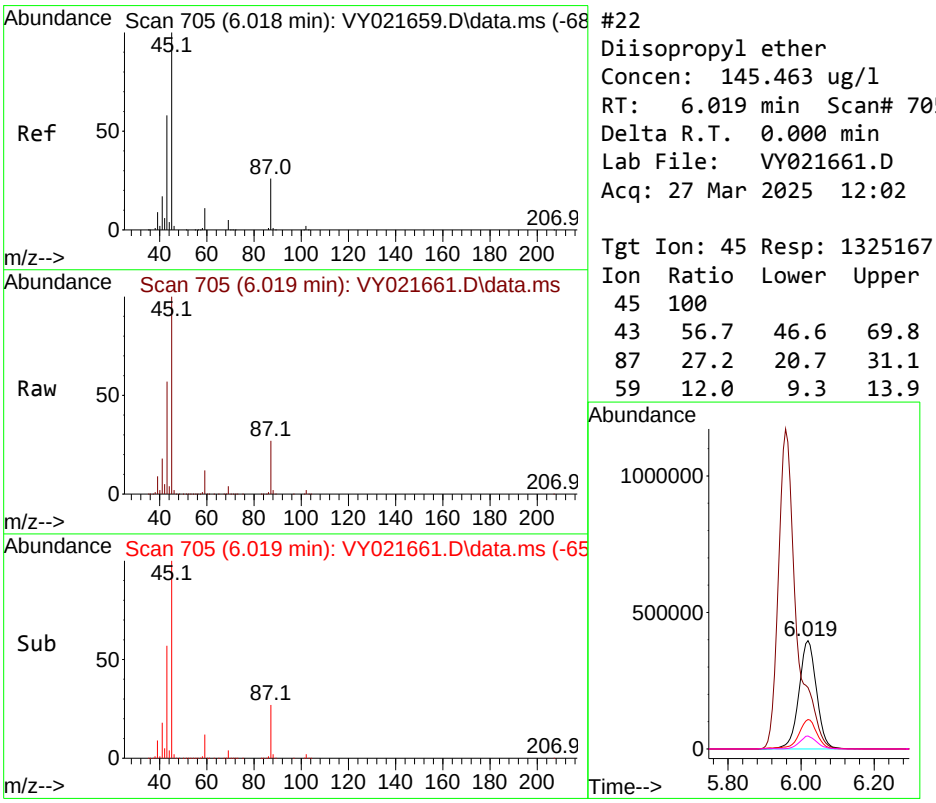
Tgt Ion: 96 Resp: 41790

Ion	Ratio	Lower	Upper
96	100		
61	137.8	109.4	164.0
98	65.6	50.2	75.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

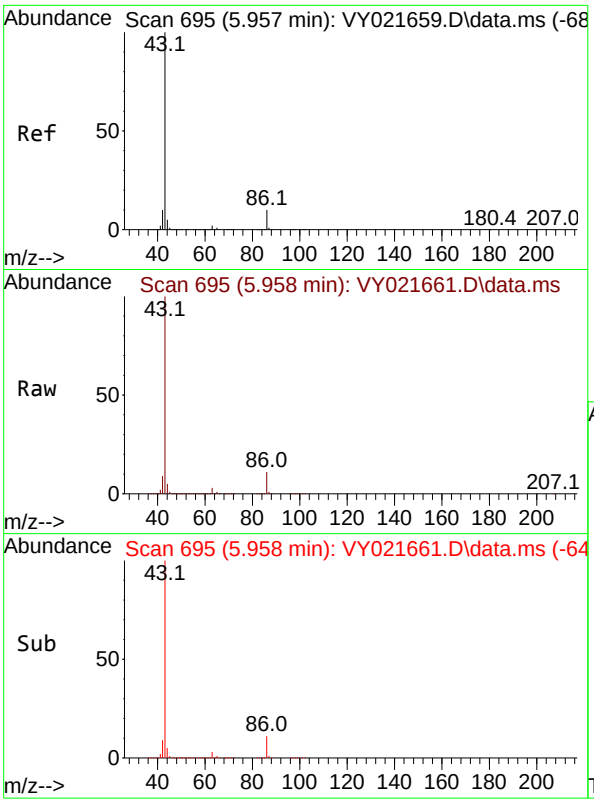
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 145.463 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 45 Resp: 1325167

Ion	Ratio	Lower	Upper
45	100		
43	56.7	46.6	69.8
87	27.2	20.7	31.1
59	12.0	9.3	13.9



#23
Vinyl Acetate
Concen: 749.332 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

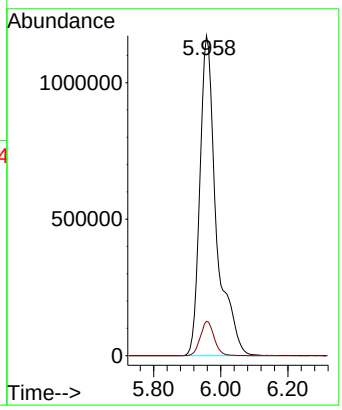
Tgt Ion: 43 Resp: 399349

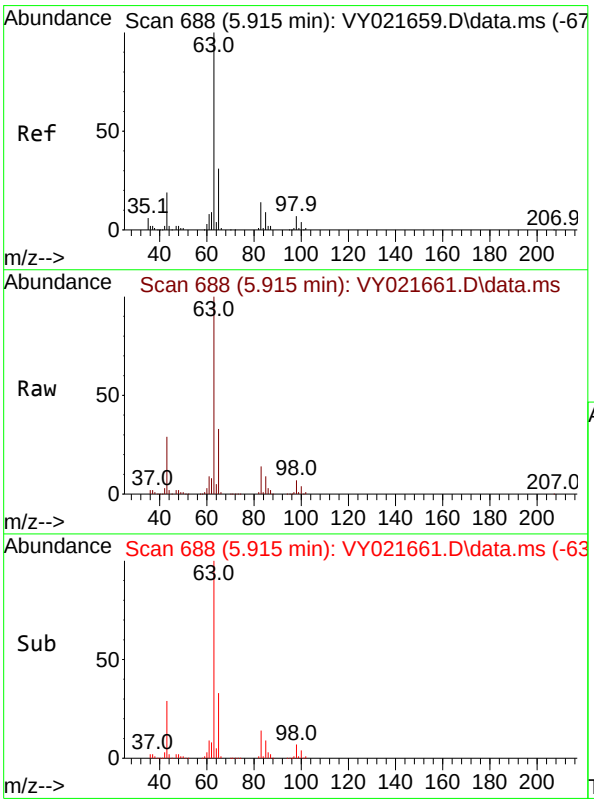
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

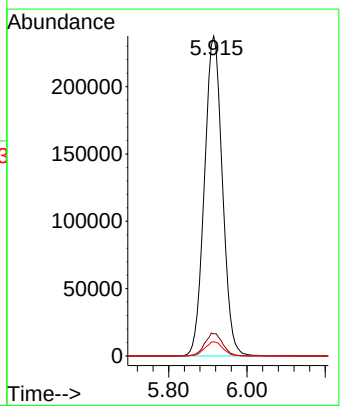


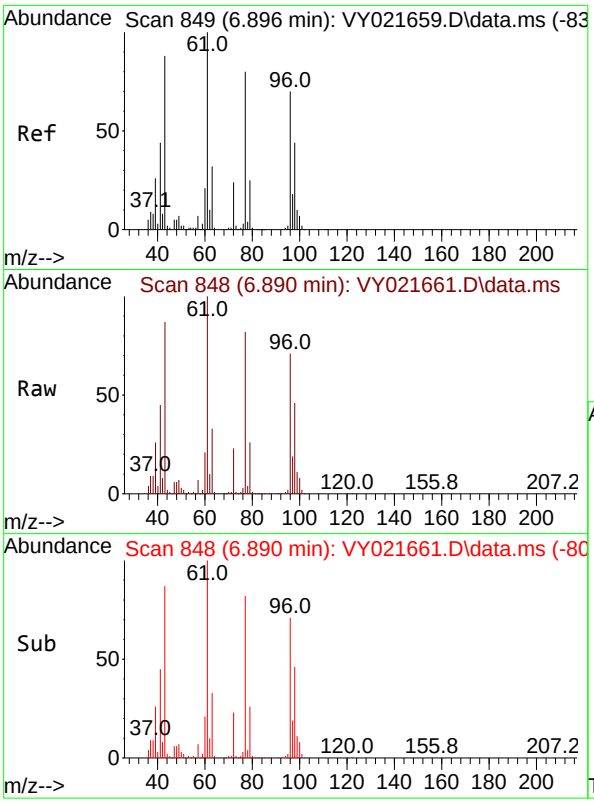


#24
1,1-Dichloroethane
Concen: 138.403 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 753930

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.4	2.2	6.6





#25
2-Butanone
Concen: 733.215 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

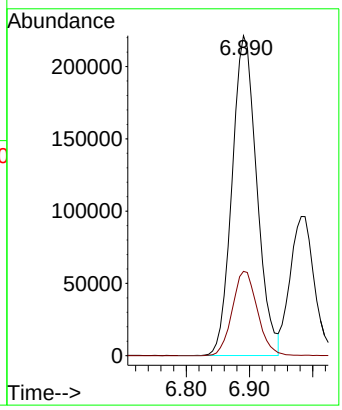
Tgt Ion: 43 Resp: 60302

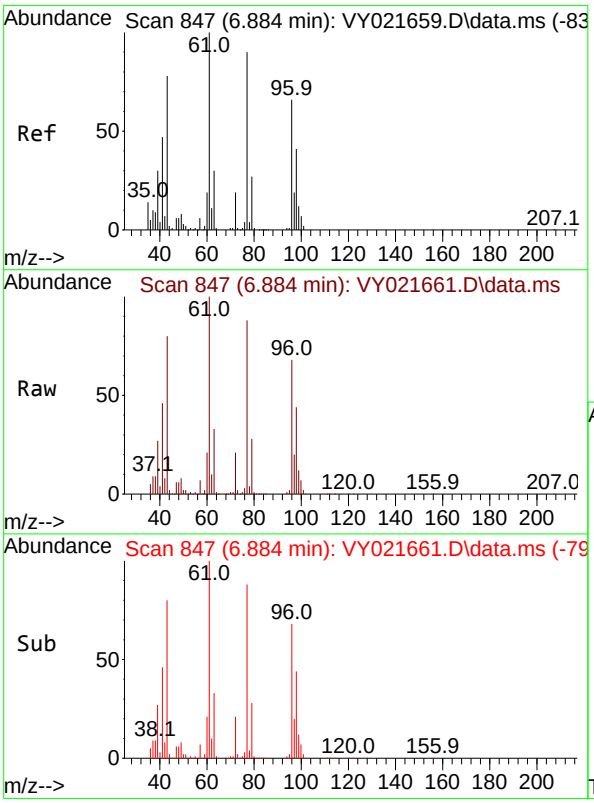
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

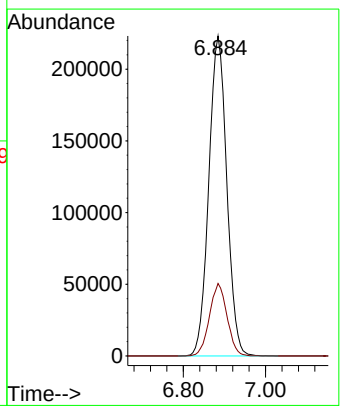


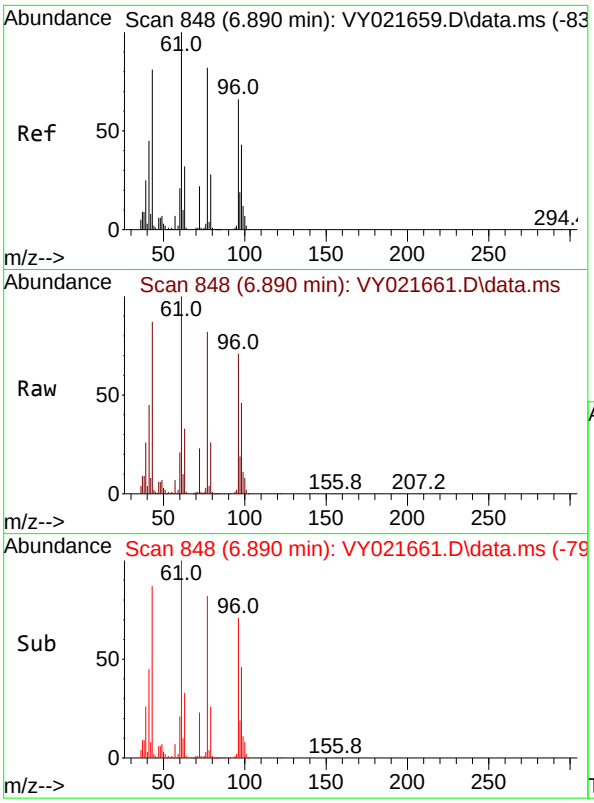


#26
2,2-Dichloropropane
Concen: 139.949 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 77 Resp: 678134

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.1

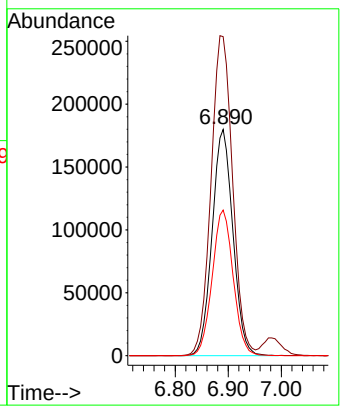




#27
cis-1,2-Dichloroethene
Concen: 145.395 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 96 Resp: 490349

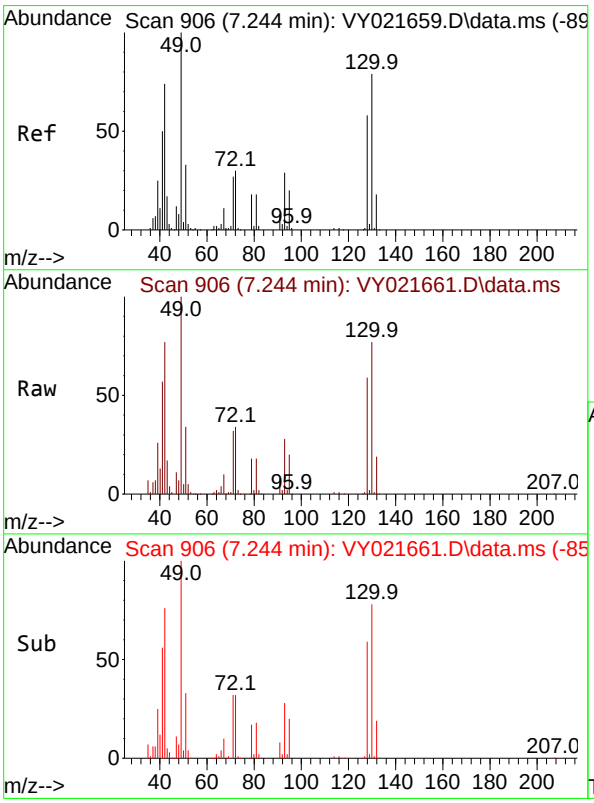
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	296.4
98	64.9	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

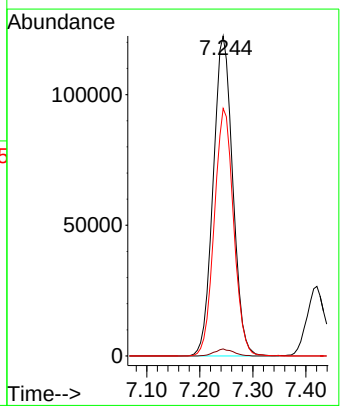
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

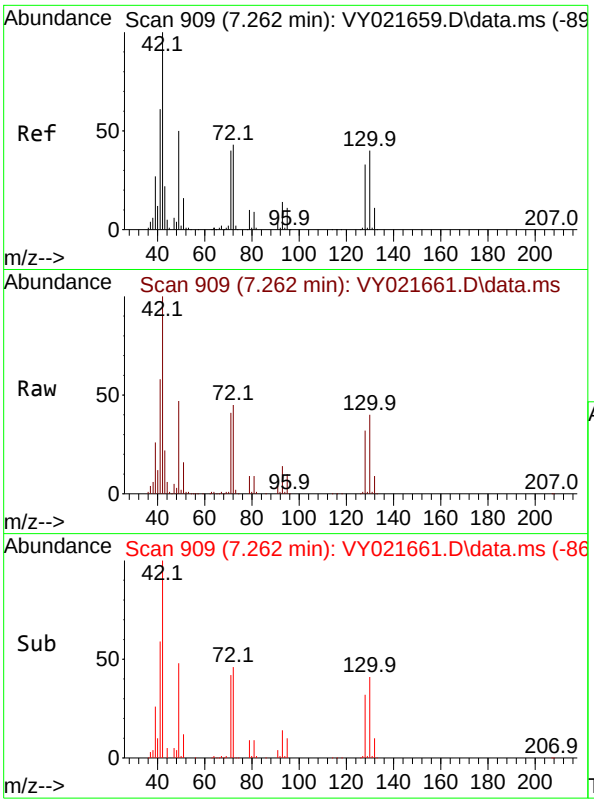


#28
Bromochloromethane
Concen: 136.480 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 49 Resp: 313542

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.4	60.1	90.1

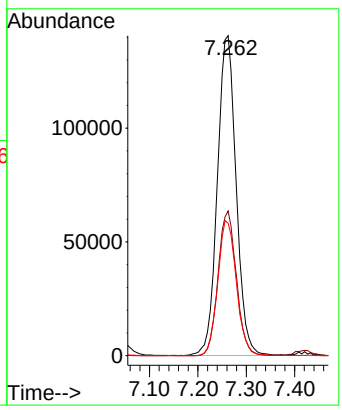




#29
Tetrahydrofuran
Concen: 716.799 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 42 Resp: 37941

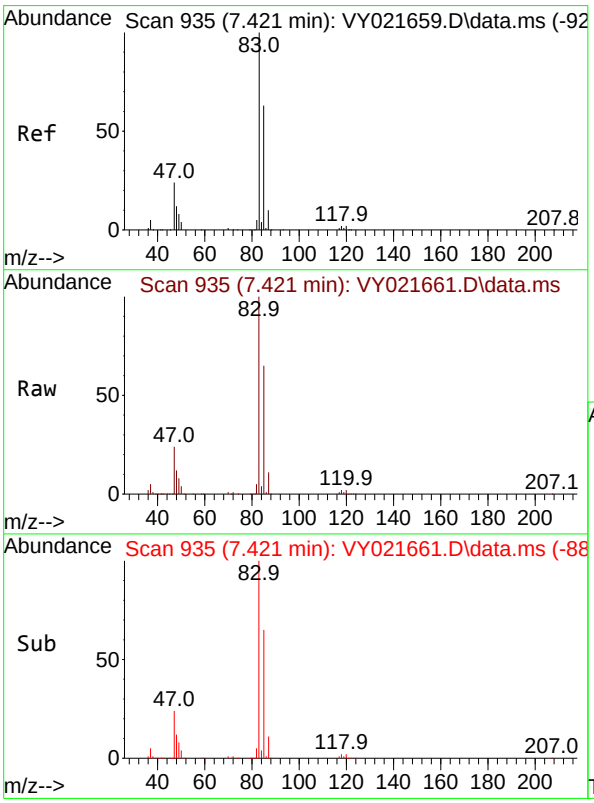
Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	52.0
71	41.9	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

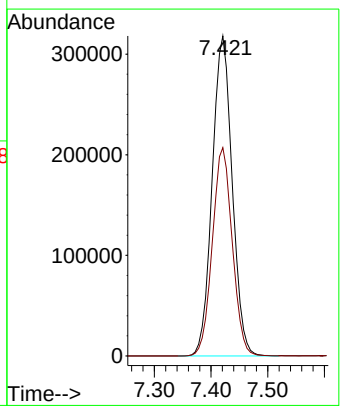
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

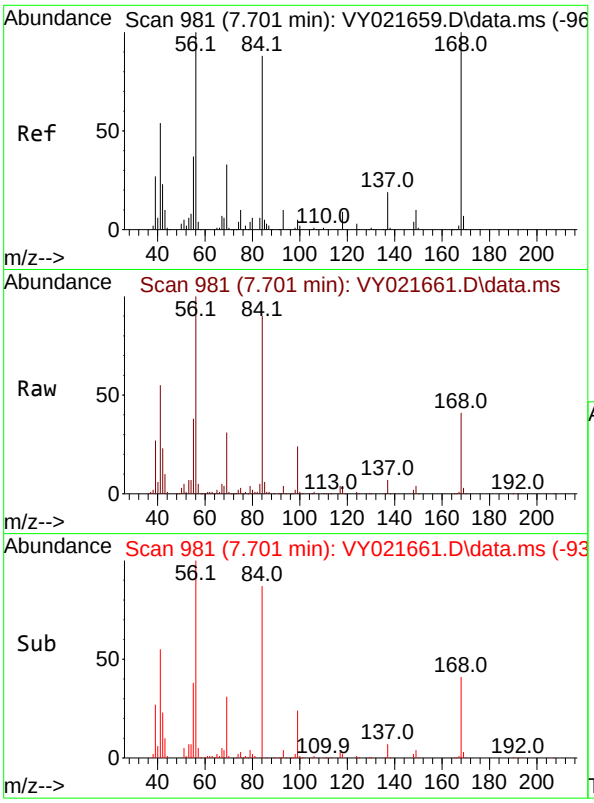


#30
Chloroform
Concen: 137.548 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 779319

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8





#31
Cyclohexane
Concen: 128.388 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

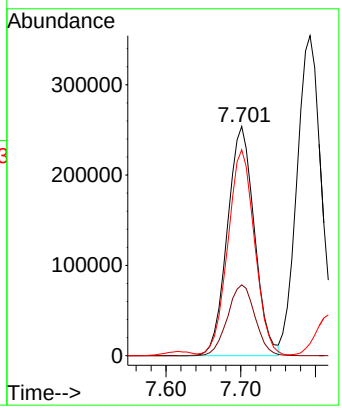
Tgt Ion: 56 Resp: 63753

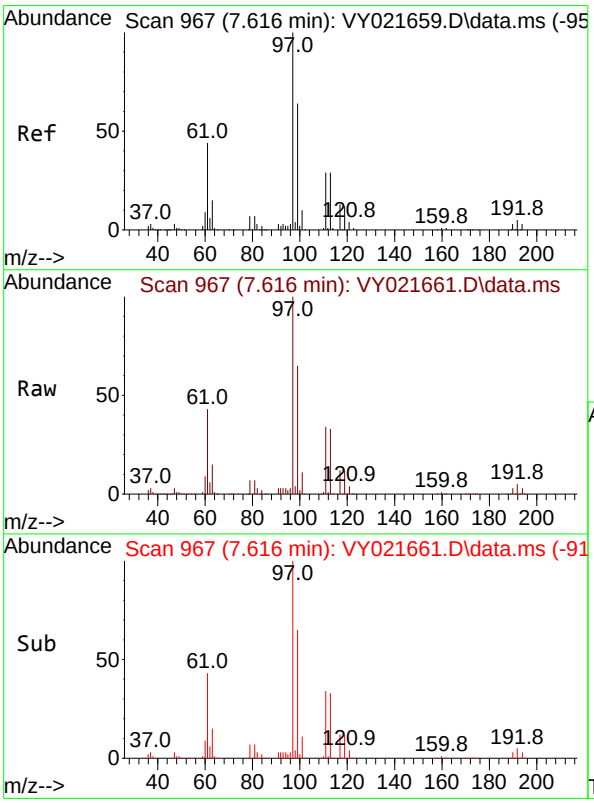
Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.6	40.0
84	88.0	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

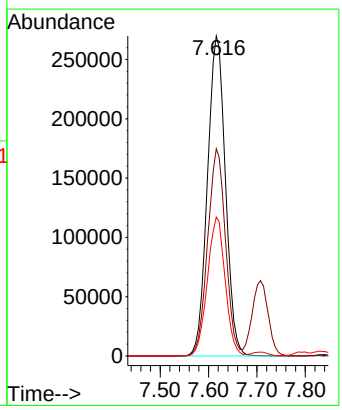


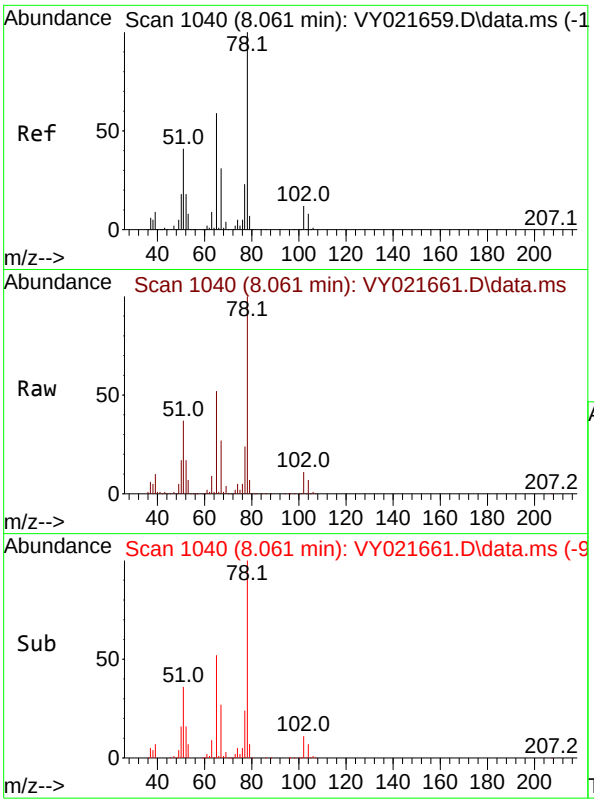


#32
1,1,1-Trichloroethane
Concen: 135.918 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 97 Resp: 696016

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.0	35.2	52.8

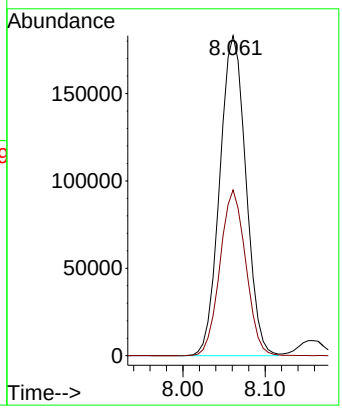




#33
1,2-Dichloroethane-d4
Concen: 143.931 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 65 Resp: 40495

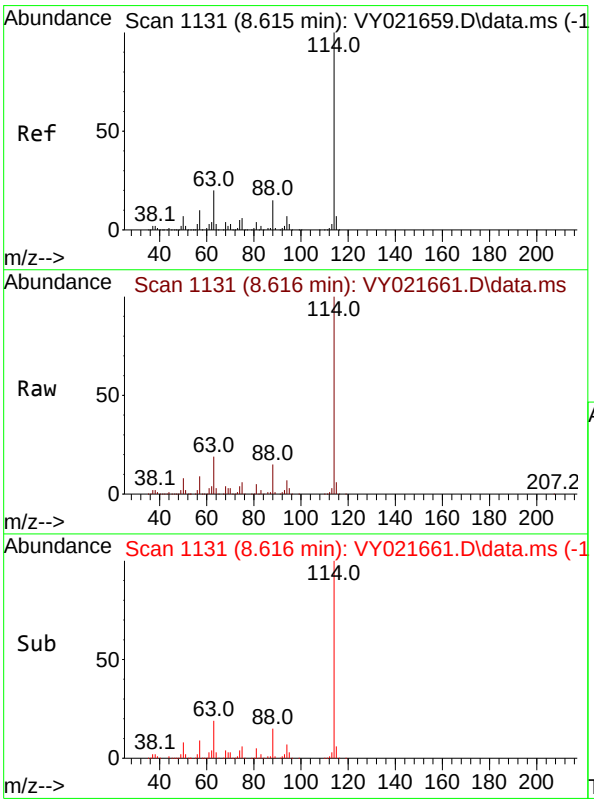
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

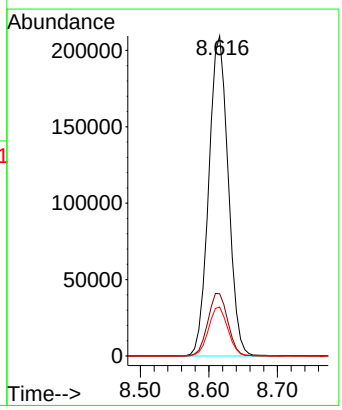
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

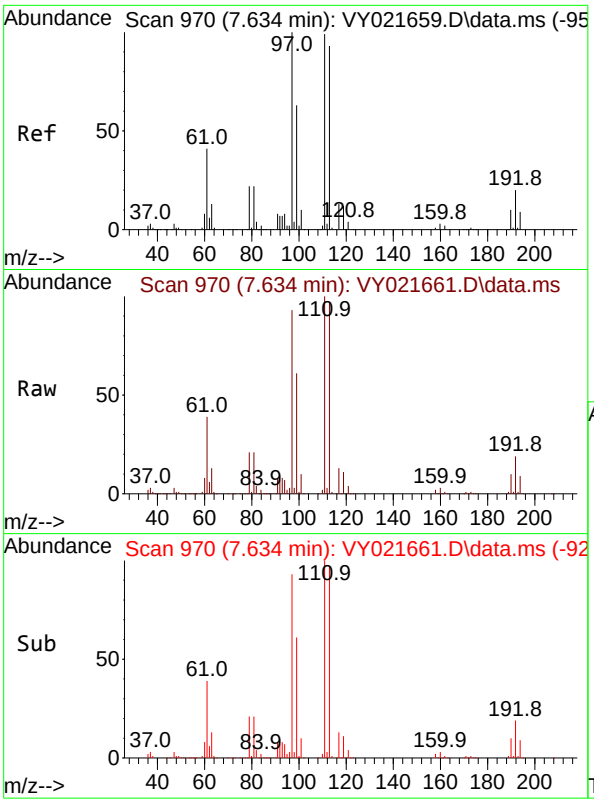


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:114 Resp: 412304

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	15.3	0.0	29.8

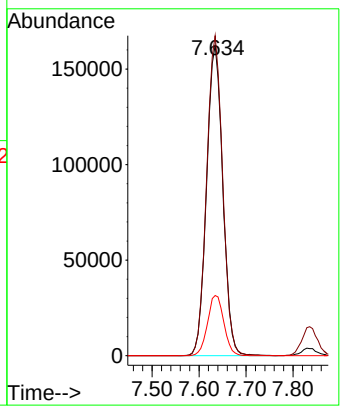




#35
Dibromofluoromethane
Concen: 144.862 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:113 Resp: 38743

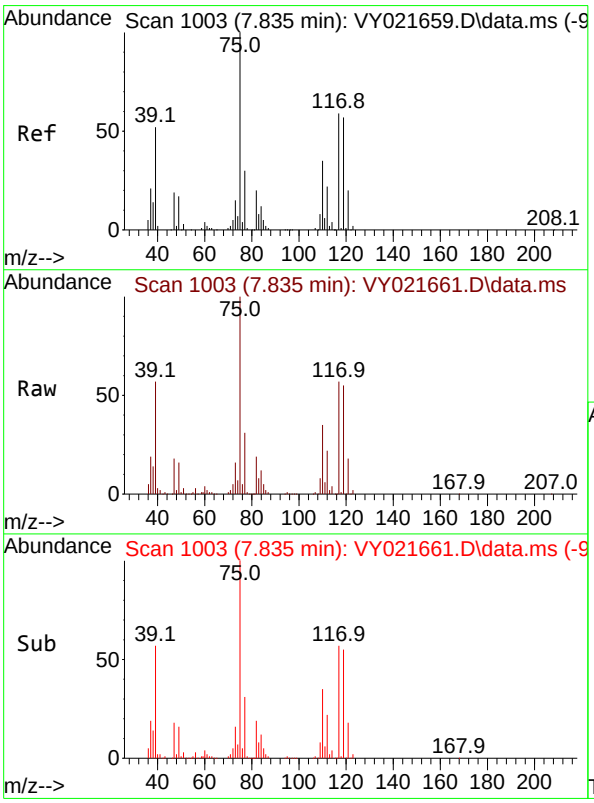
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	19.6	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

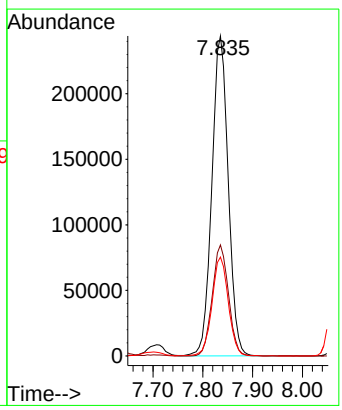
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

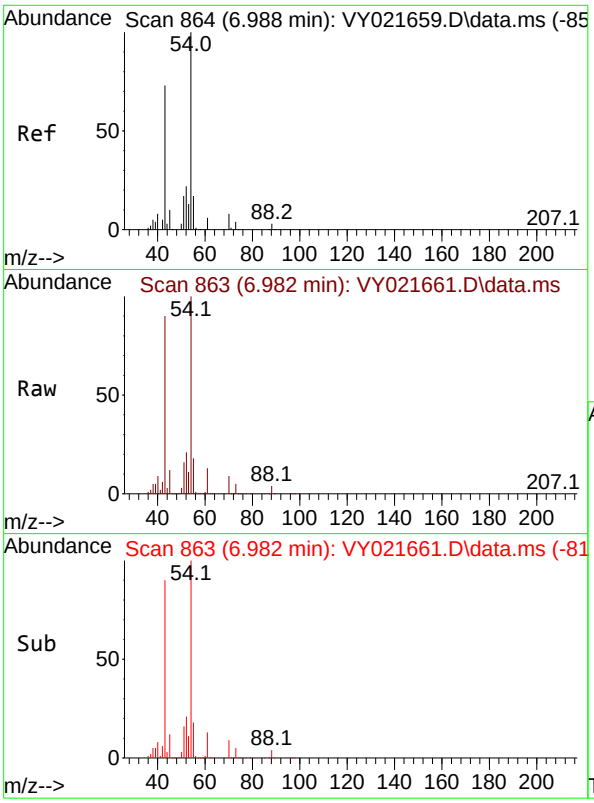


#36
1,1-Dichloropropene
Concen: 136.722 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 556974

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.9	24.8	37.2

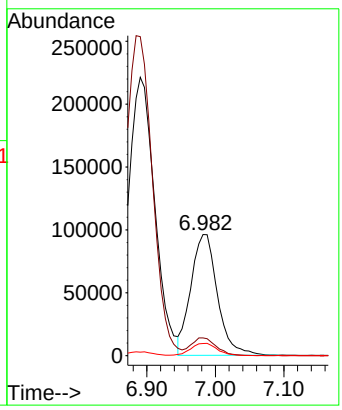




#37
Ethyl Acetate
Concen: 134.812 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 25918

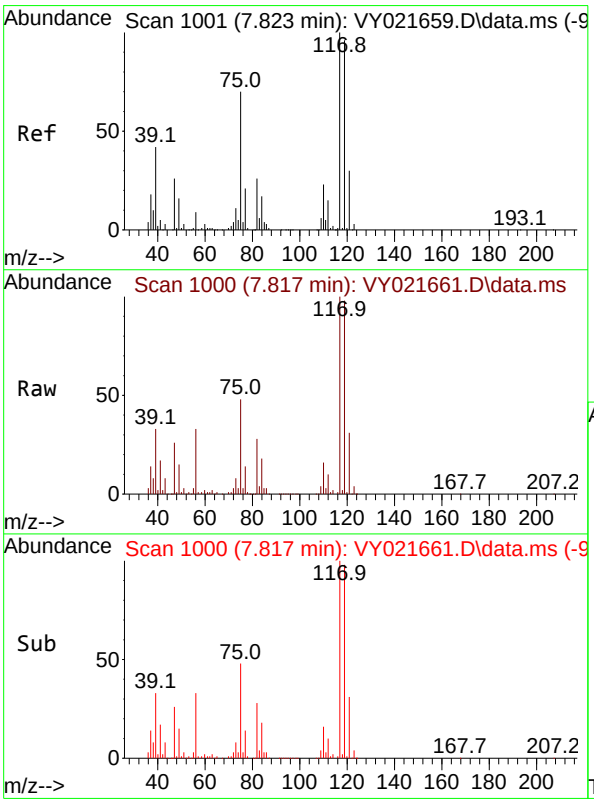
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.3	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

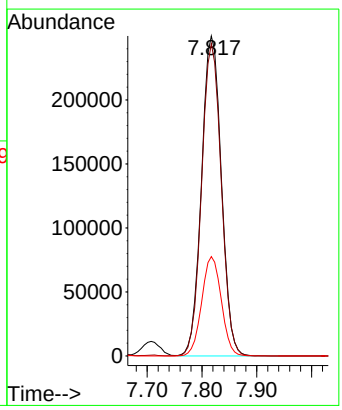
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

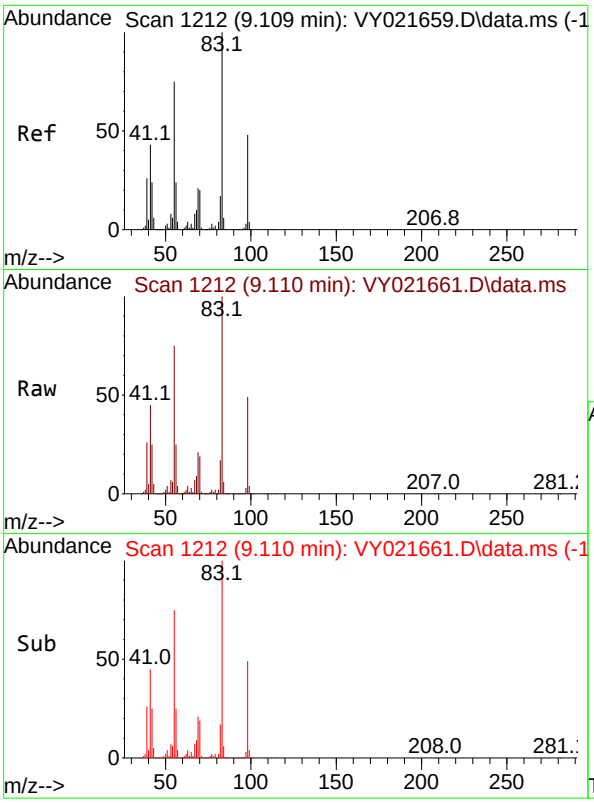


#38
Carbon Tetrachloride
Concen: 134.452 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 627331

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.2	114.4
121	31.0	24.2	36.4

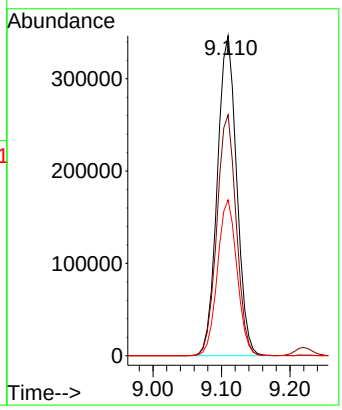




#39
Methylcyclohexane
Concen: 139.666 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 67969

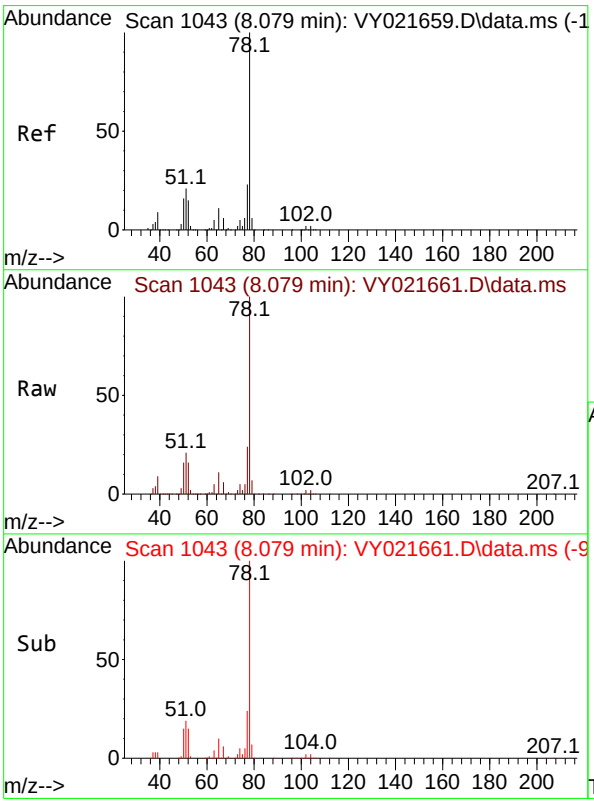
Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.7	89.5
98	48.7	38.3	57.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

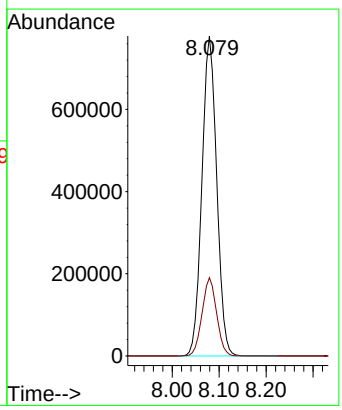
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

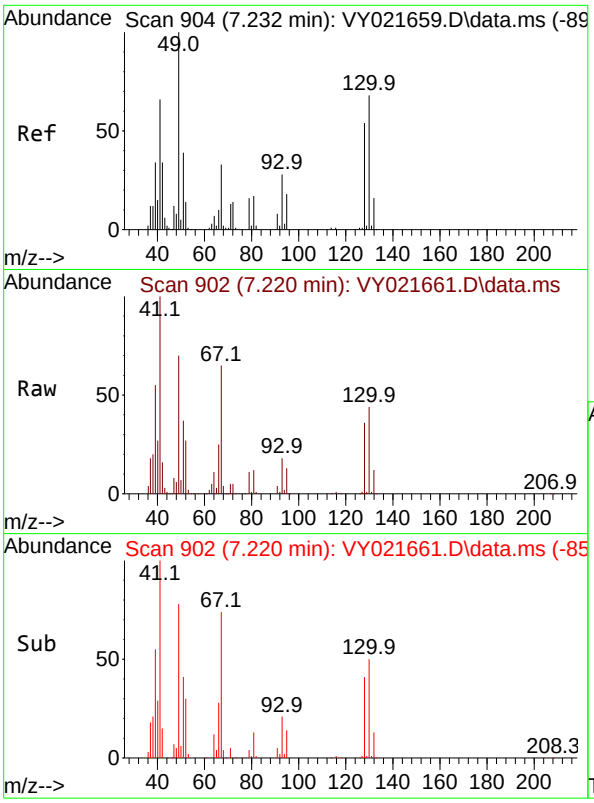


#40
Benzene
Concen: 139.014 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 78 Resp: 1695962

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

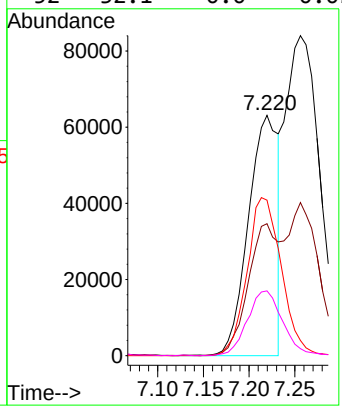




#41
Methacrylonitrile
Concen: 140.447 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 14338

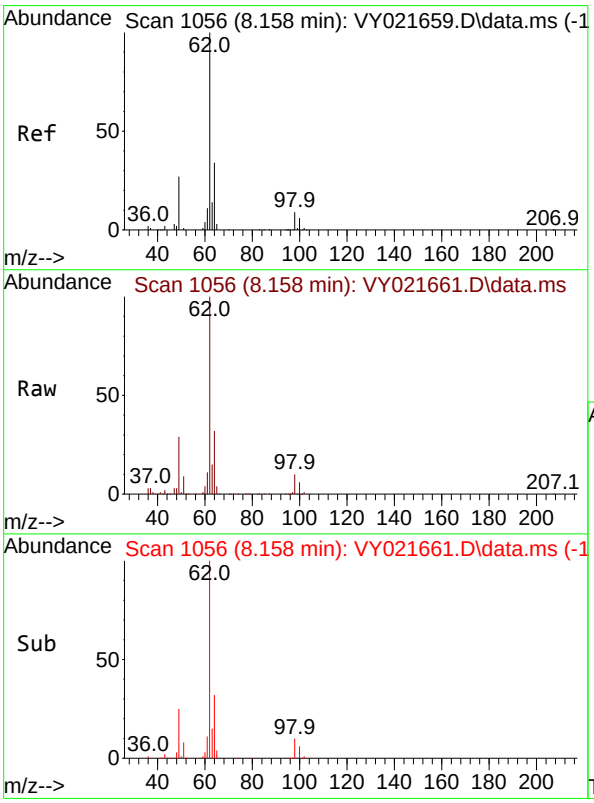
Ion	Ratio	Lower	Upper
41	100		
39	54.1	0.0	0.0#
67	75.9	0.0	0.0#
52	32.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

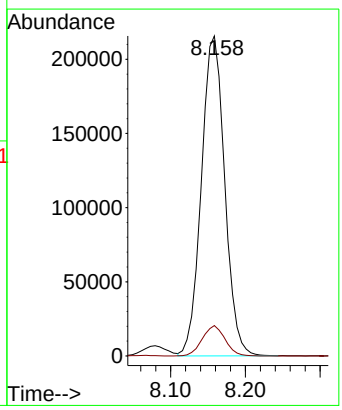
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

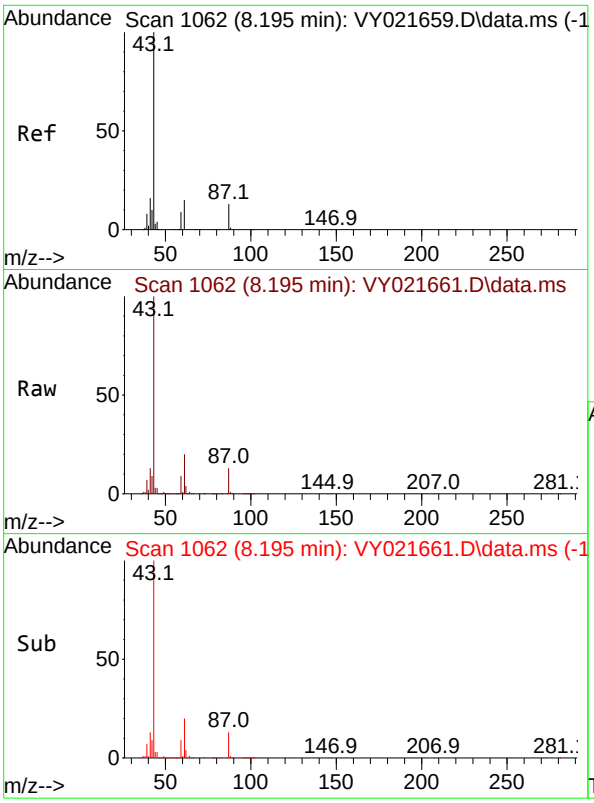


#42
1,2-Dichloroethane
Concen: 136.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 468317

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4

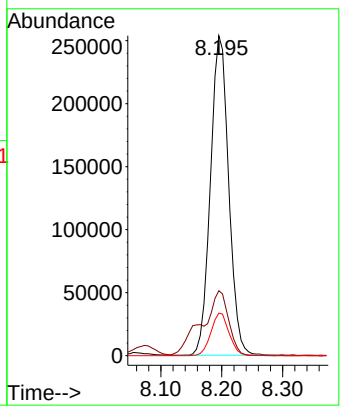




#43
Isopropyl Acetate
Concen: 144.731 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 52731

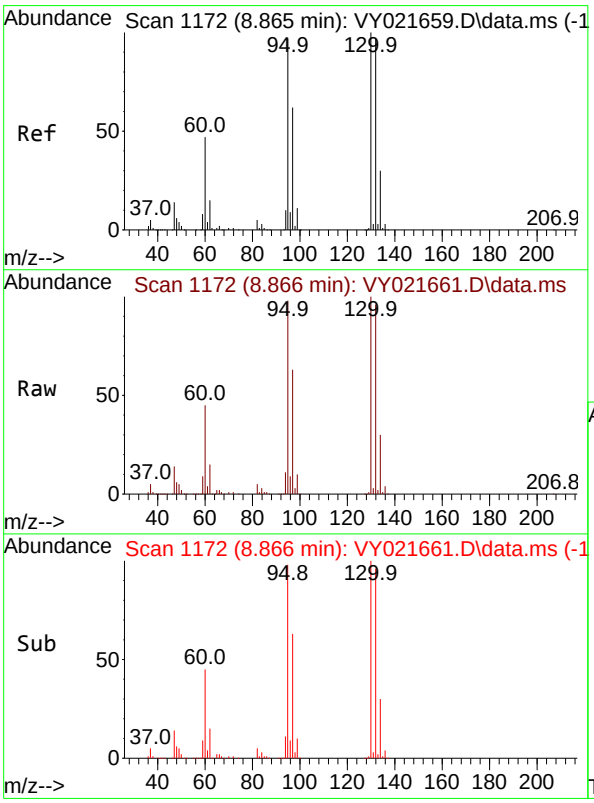
Ion	Ratio	Lower	Upper
43	100		
61	29.7	15.9	23.9#
87	13.3	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

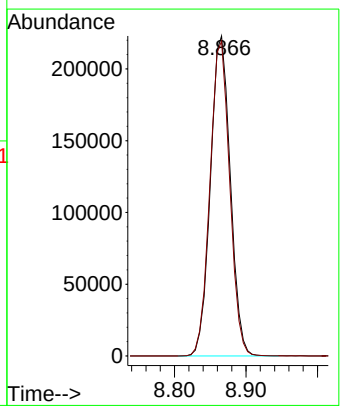
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

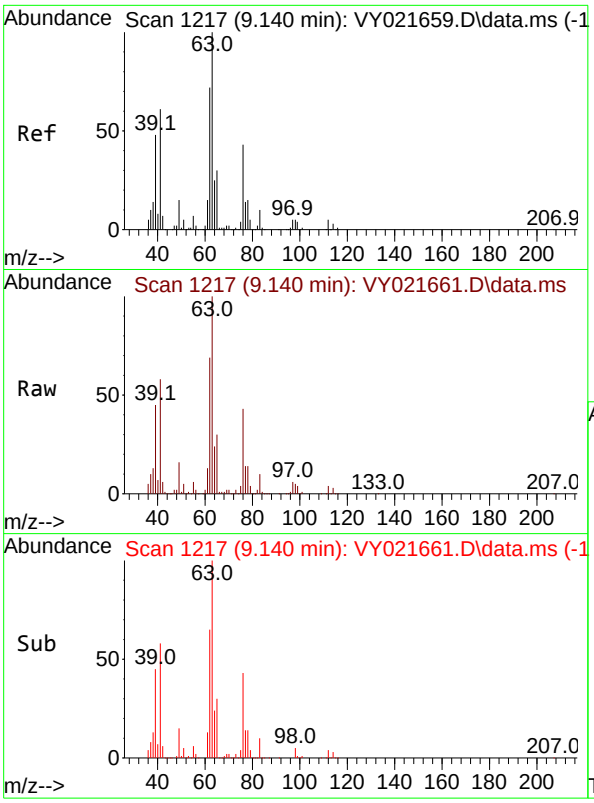


#44
Trichloroethene
Concen: 138.536 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:130 Resp: 430629

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	194.8

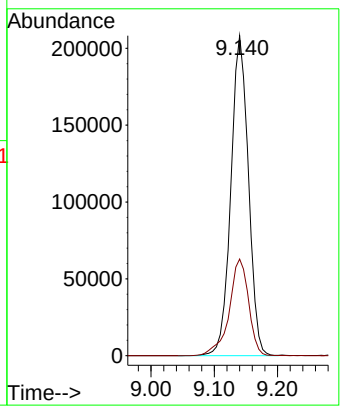




#45
1,2-Dichloropropane
Concen: 139.191 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 40195

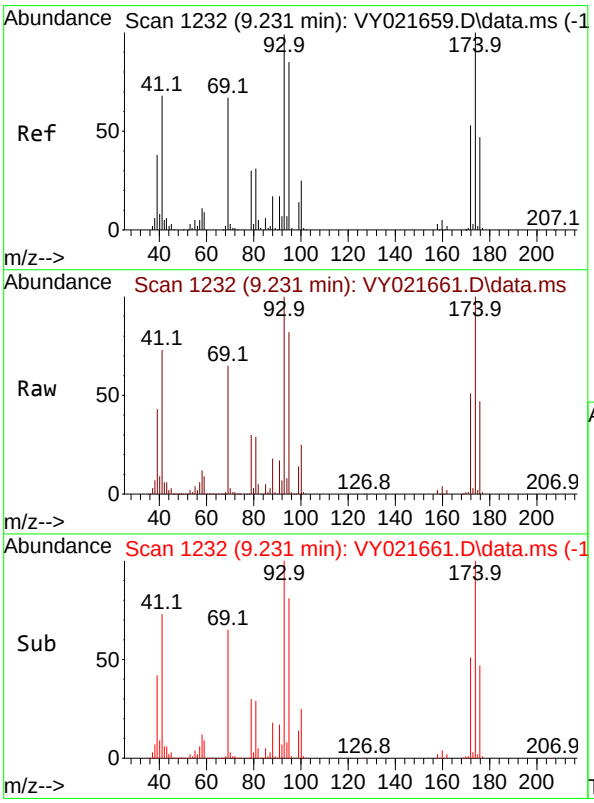
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

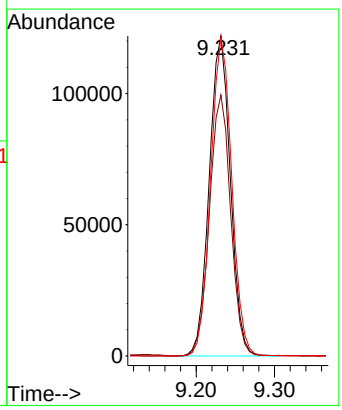
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

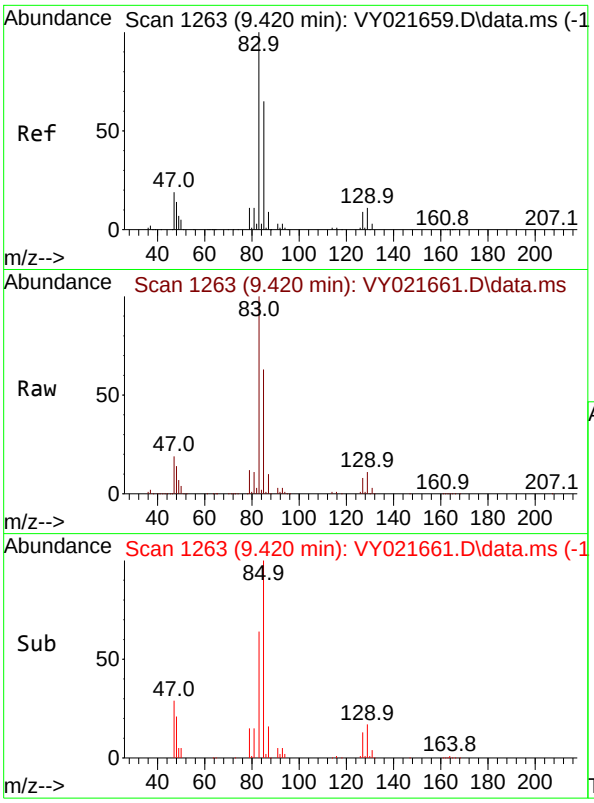


#46
Dibromomethane
Concen: 137.167 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 93 Resp: 228287

Ion	Ratio	Lower	Upper
93	100		
95	82.1	68.1	102.1
174	99.7	80.9	121.3

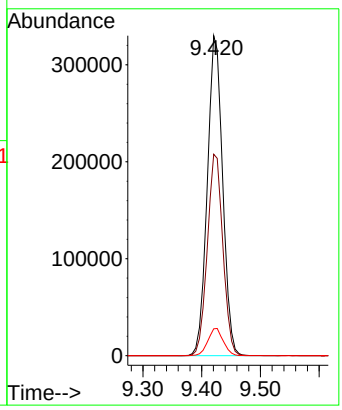




#47
Bromodichloromethane
Concen: 138.764 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 59842

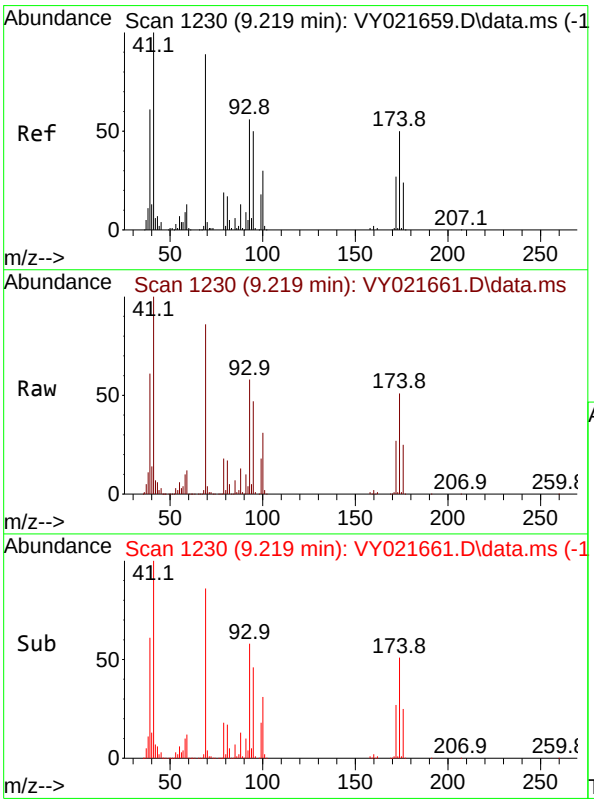
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6
127	8.4	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

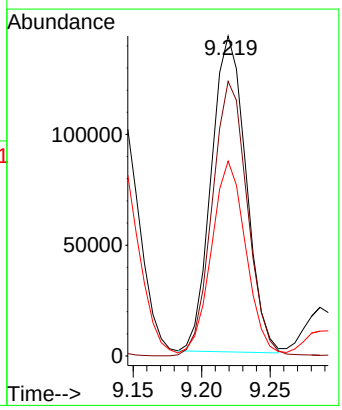
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

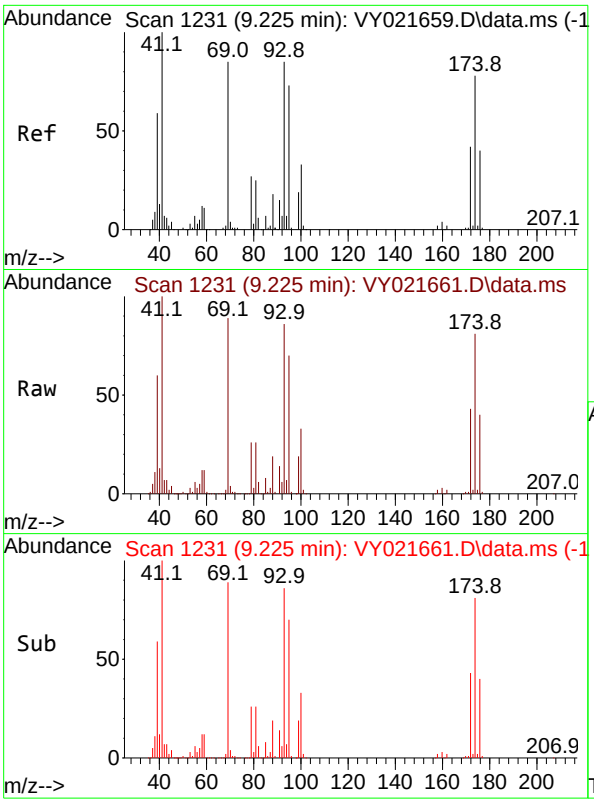


#48
Methyl methacrylate
Concen: 150.306 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 251339

Ion	Ratio	Lower	Upper
41	100		
69	88.1	69.8	104.8
39	59.6	47.2	70.8





#49
1,4-Dioxane
Concen: 2991.658 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

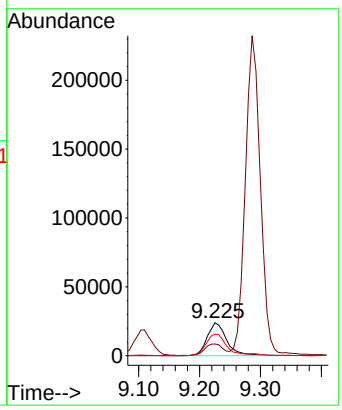
Tgt Ion: 88 Resp: 5333

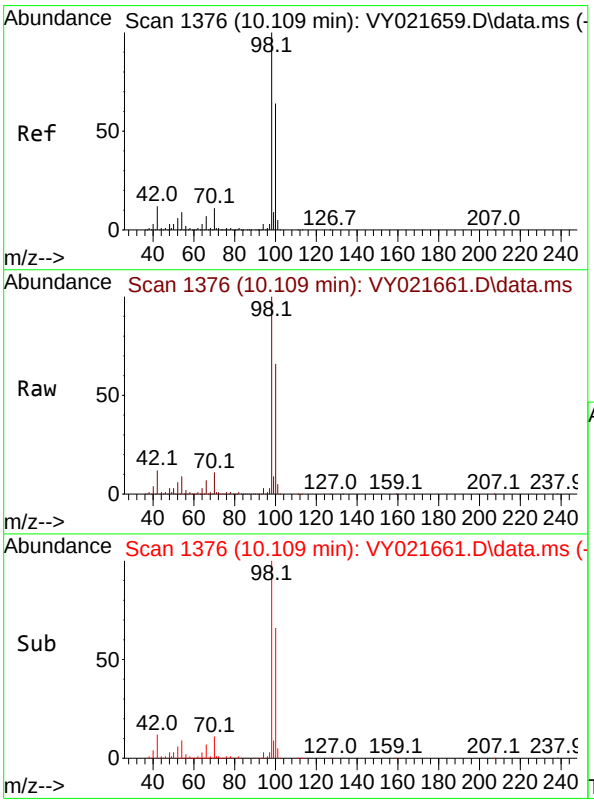
Ion	Ratio	Lower	Upper
88	100		
43	33.6	28.8	43.2
58	67.8	59.4	89.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

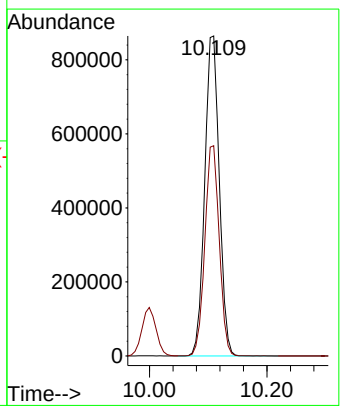


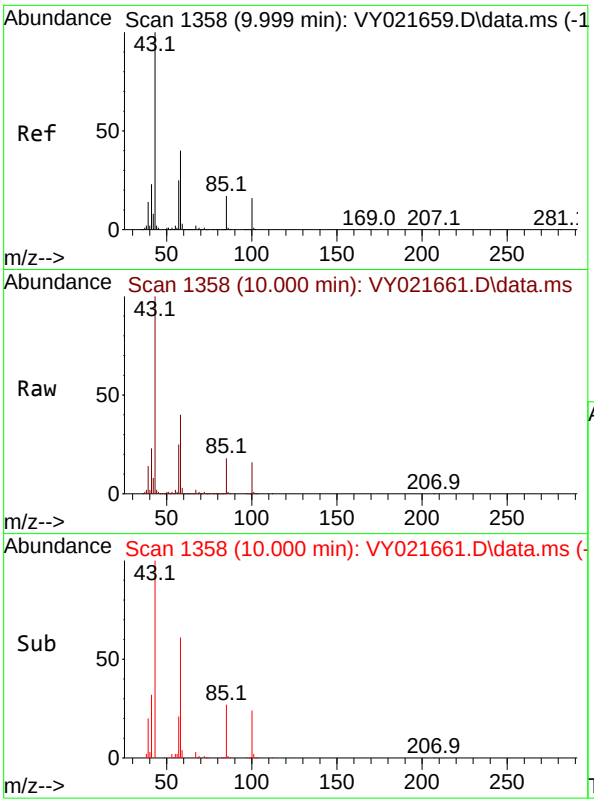


#50
Toluene-d8
Concen: 146.020 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 98 Resp: 1485725

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

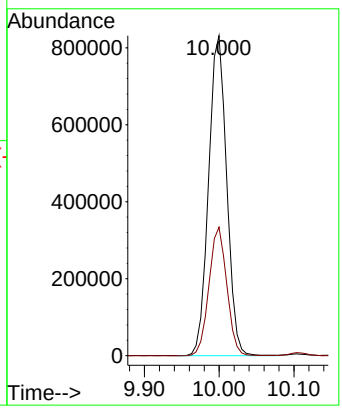




#51
4-Methyl-2-Pentanone
Concen: 737.160 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 139767

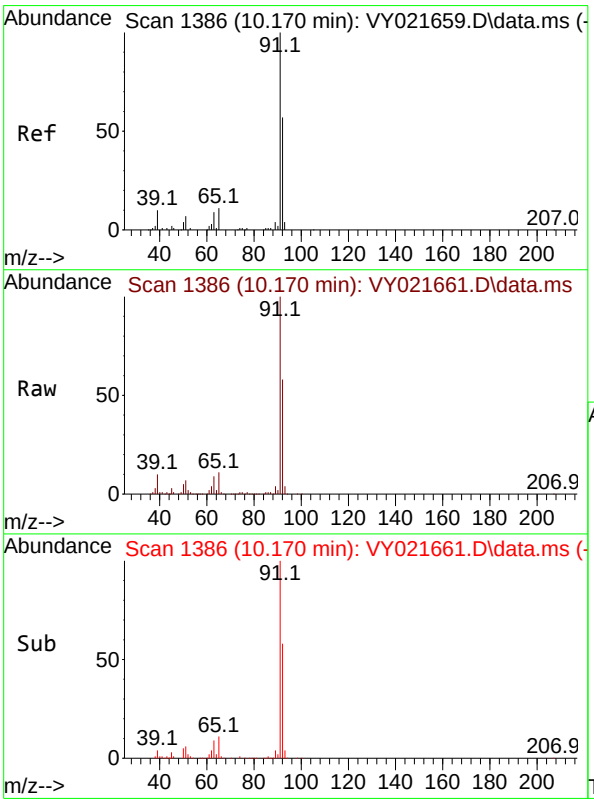
Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

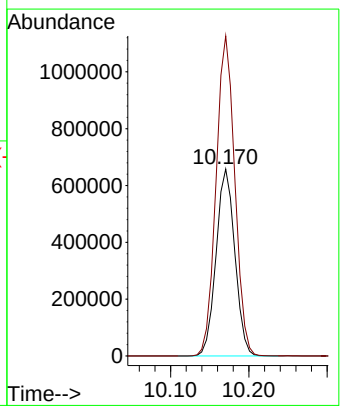
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

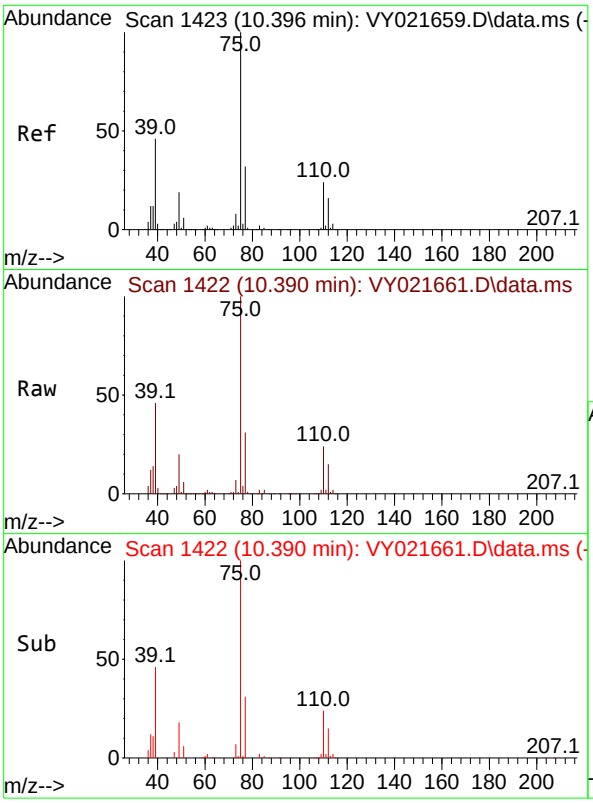


#52
Toluene
Concen: 143.758 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 92 Resp: 1094229

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.6	207.8

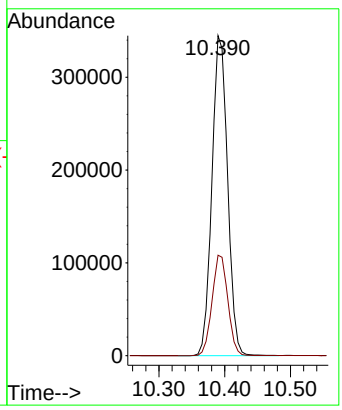




#53
t-1,3-Dichloropropene
Concen: 148.908 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 57038

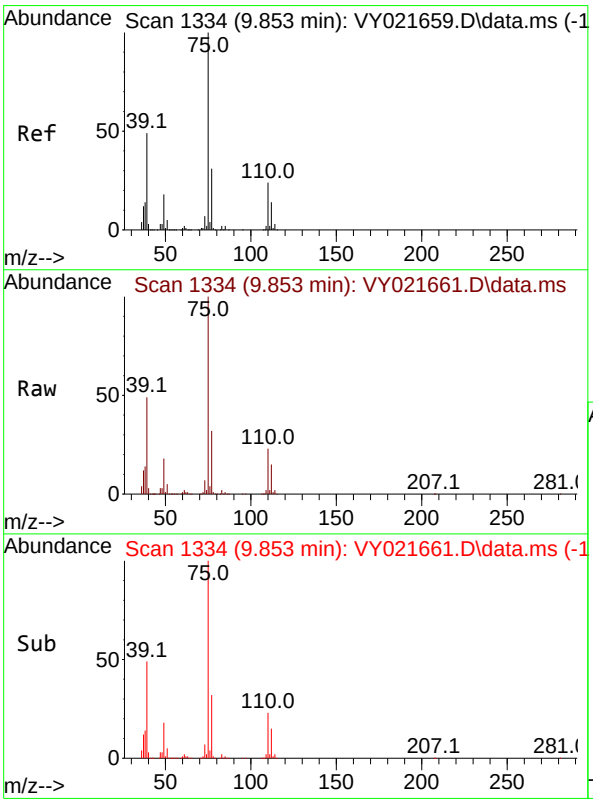
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

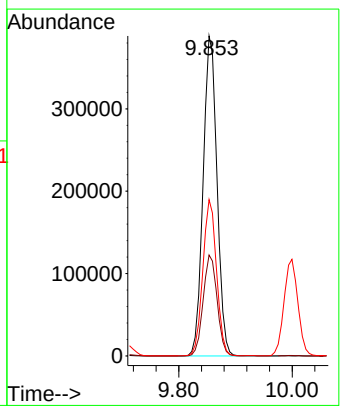
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

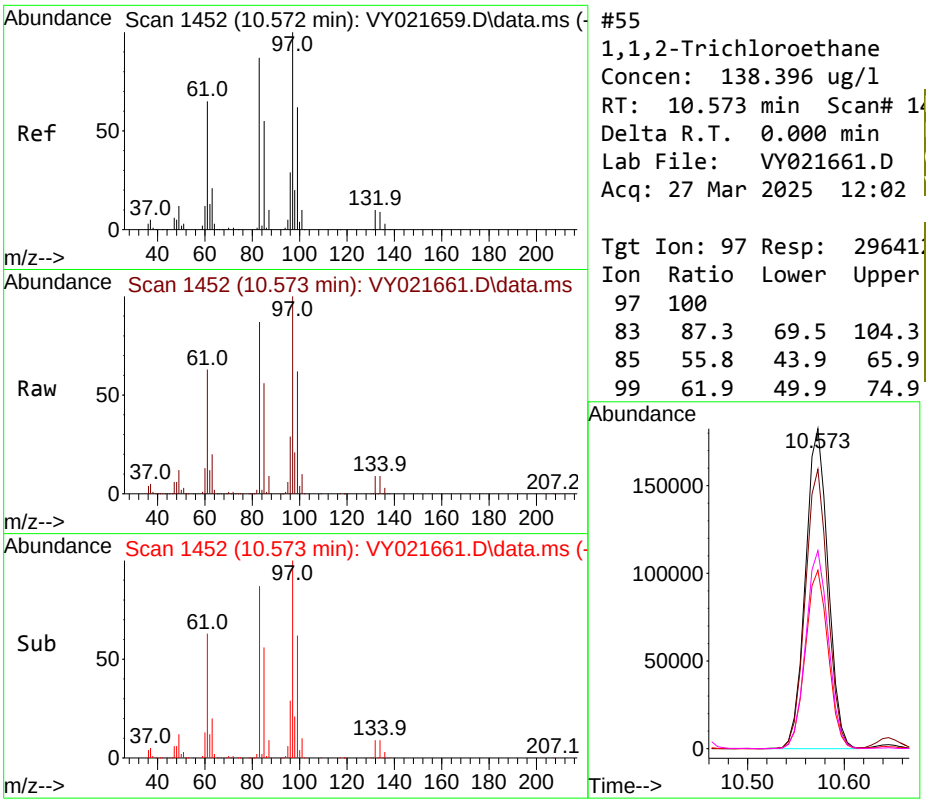


#54
cis-1,3-Dichloropropene
Concen: 146.159 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 660476

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	48.8	39.2	58.8





#55
1,1,2-Trichloroethane
Concen: 138.396 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

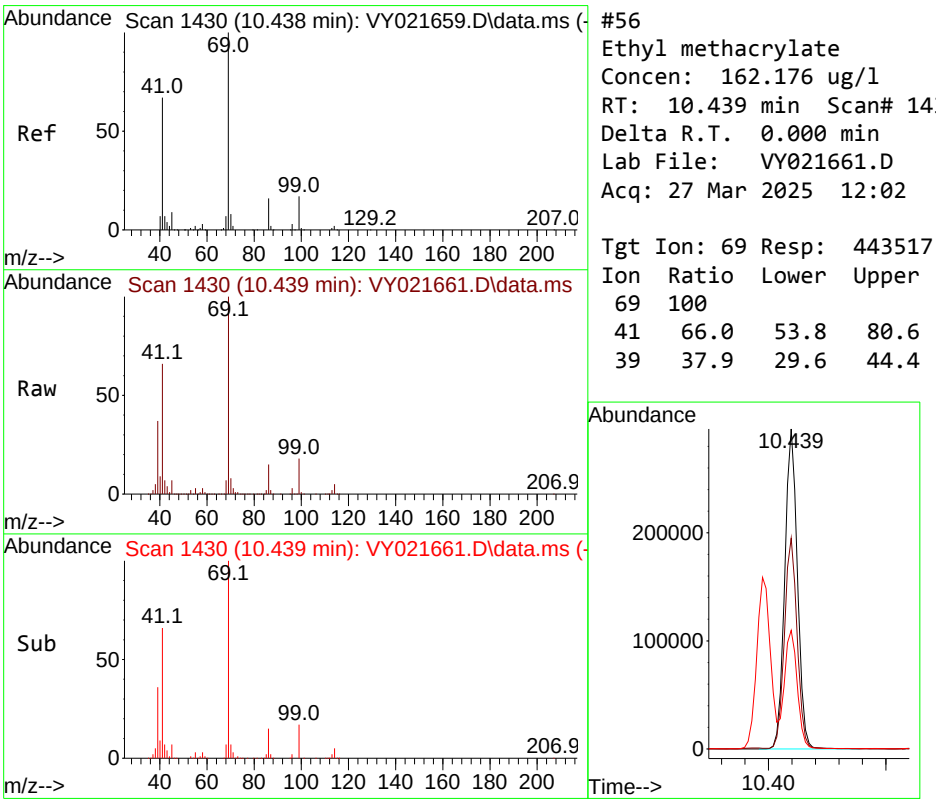
Tgt Ion: 97 Resp: 29641

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.5	104.3
85	55.8	43.9	65.9
99	61.9	49.9	74.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

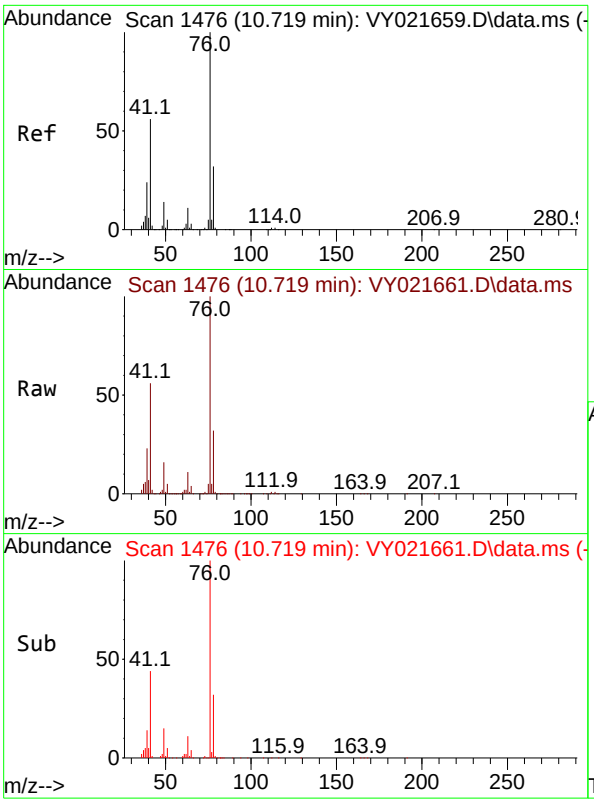
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#56
Ethyl methacrylate
Concen: 162.176 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 69 Resp: 443517

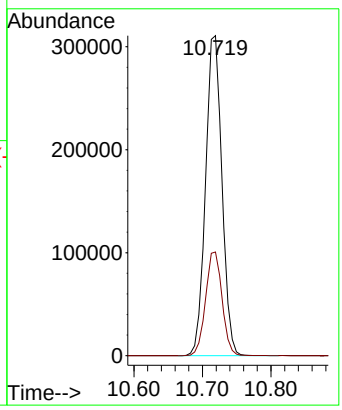
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.8	80.6
39	37.9	29.6	44.4



#57
1,3-Dichloropropane
Concen: 139.961 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 76 Resp: 51770

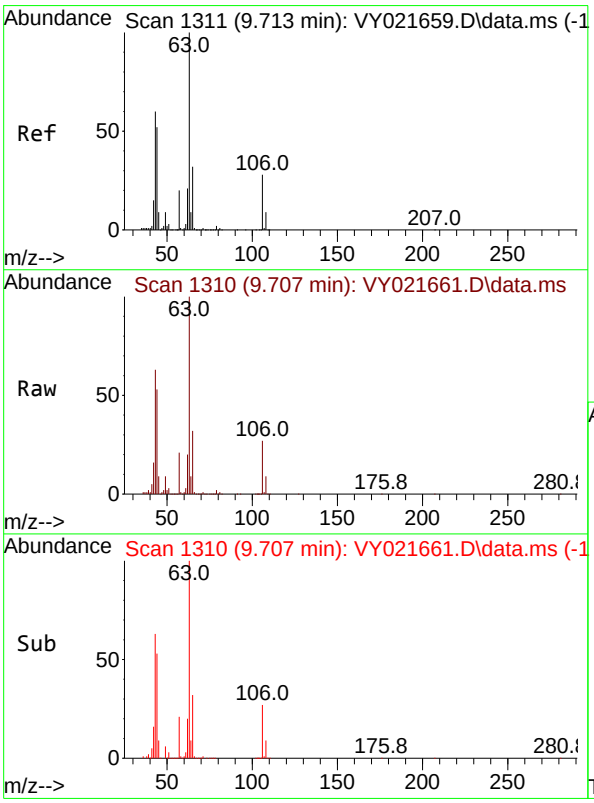
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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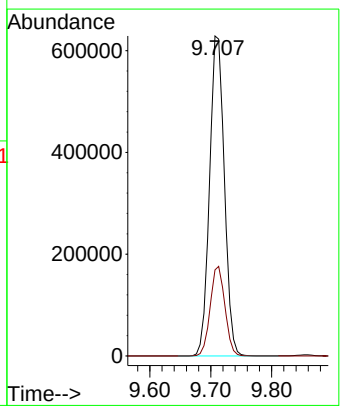
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

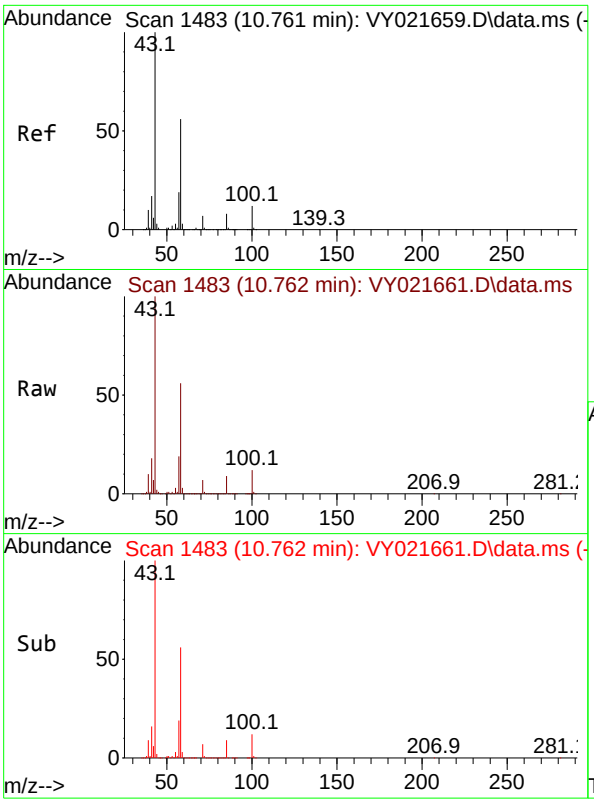


#58
2-Chloroethyl Vinyl ether
Concen: 795.867 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 1061779

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.4	33.6





#59
2-Hexanone
Concen: 756.341 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

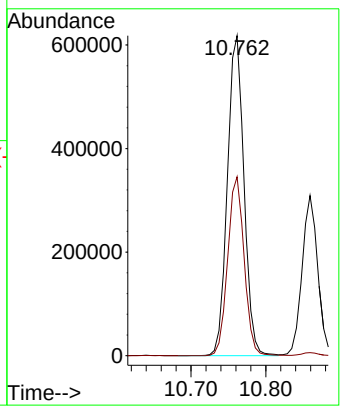
Tgt Ion: 43 Resp: 95505

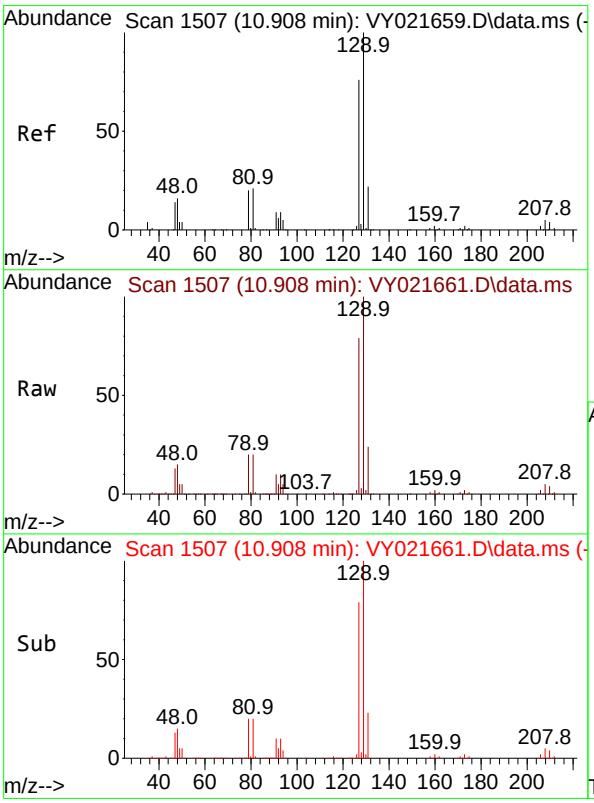
Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

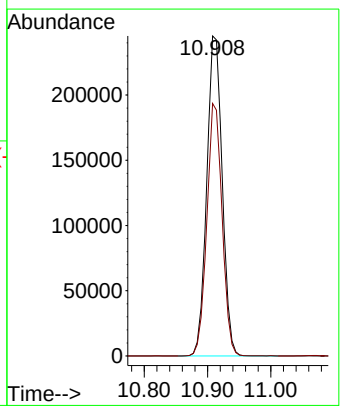


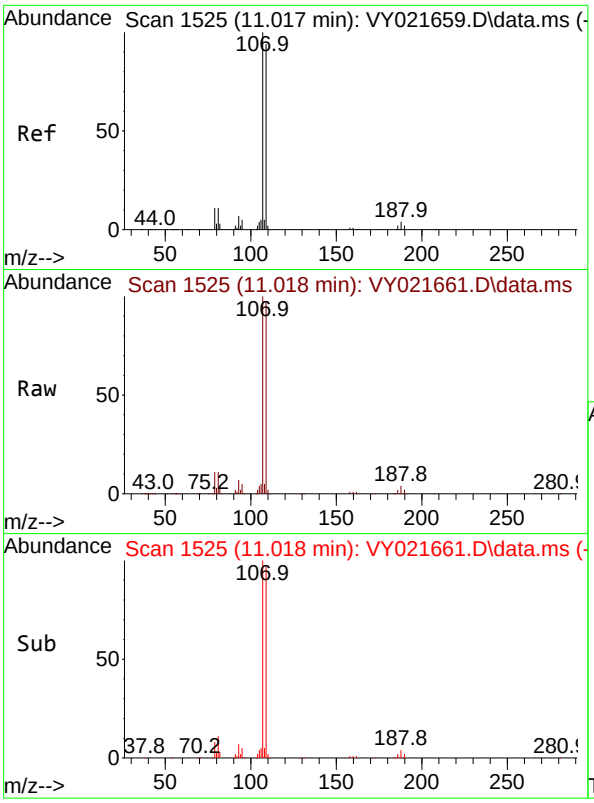


#60
Dibromochloromethane
Concen: 142.682 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:129 Resp: 417230

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7





#61
1,2-Dibromoethane
Concen: 141.082 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

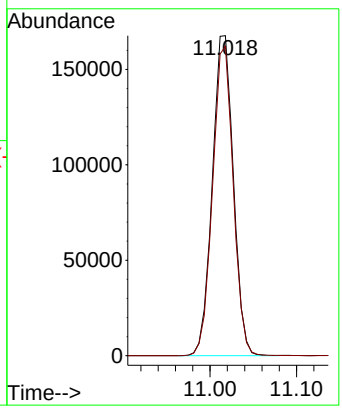
Tgt Ion:107 Resp: 28345

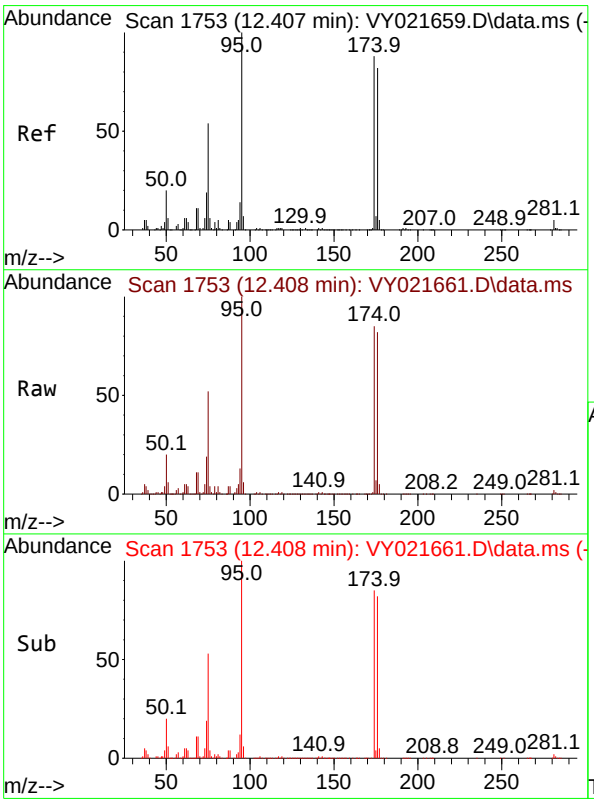
Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

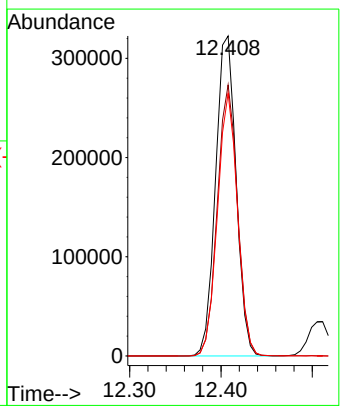


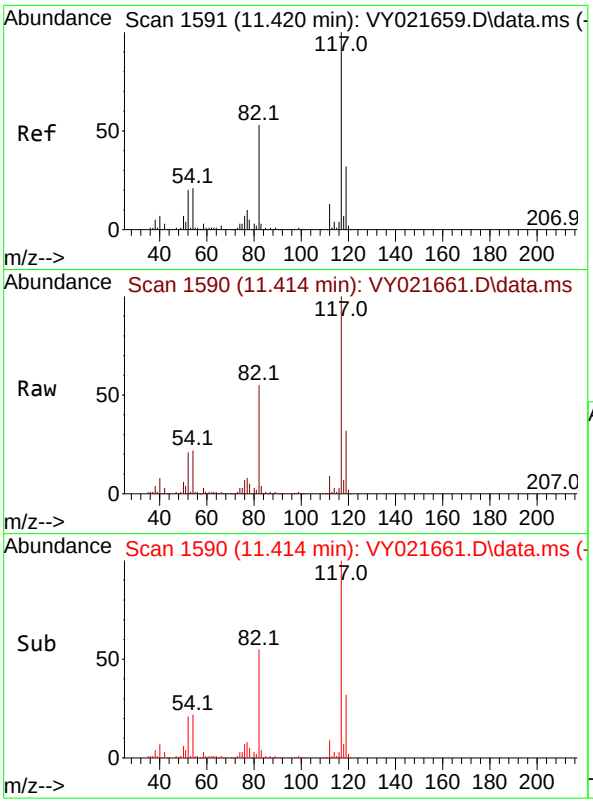


#62
4-Bromofluorobenzene
Concen: 146.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 95 Resp: 503406

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.8
176	80.1	0.0	162.0

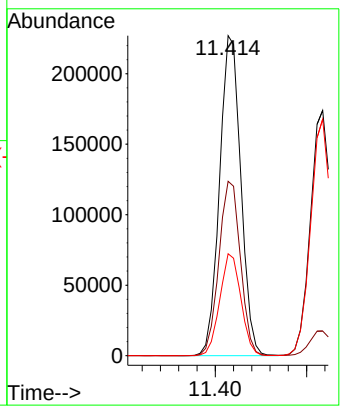




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 36728

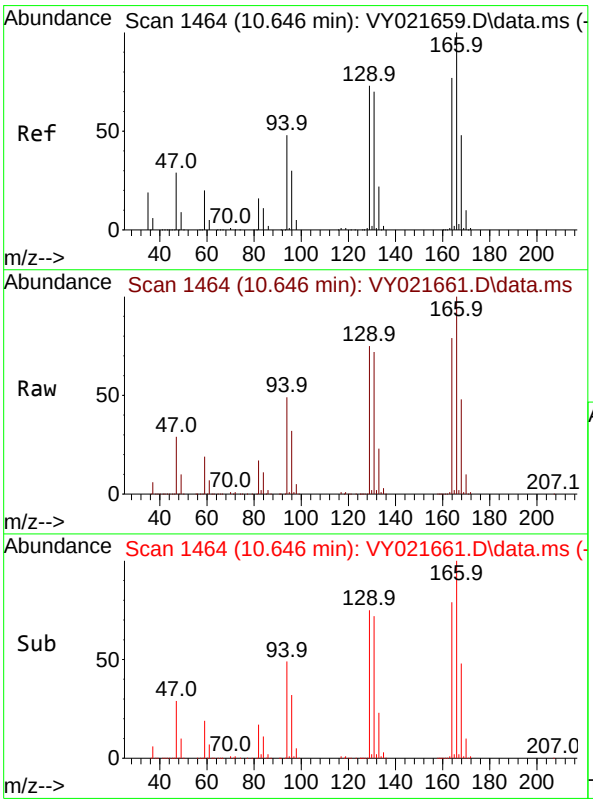
Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.8	64.2
119	31.9	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

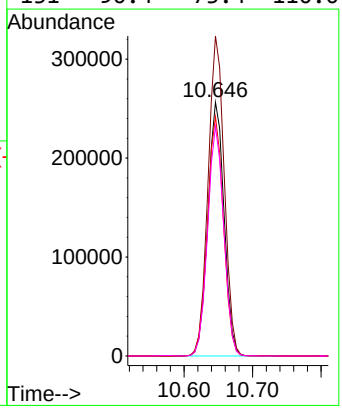
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

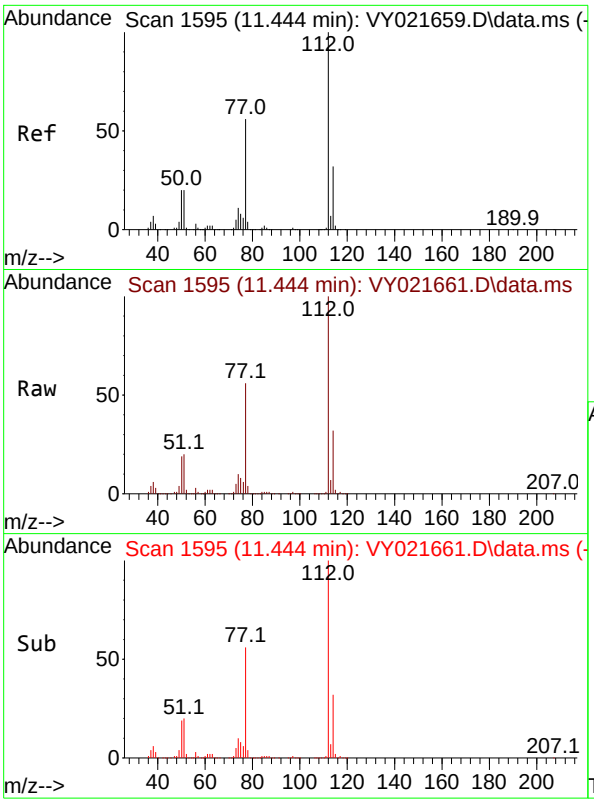


#64
Tetrachloroethene
Concen: 125.966 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:164 Resp: 421368

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.6	156.8
129	94.3	76.6	114.8
131	90.4	73.4	110.0

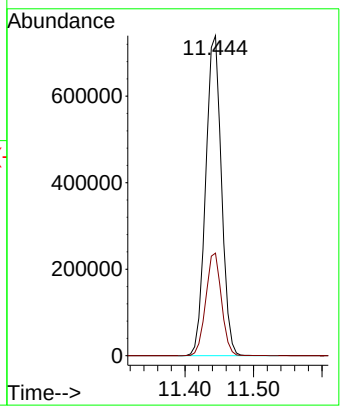




#65
Chlorobenzene
Concen: 140.483 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:112 Resp: 118277

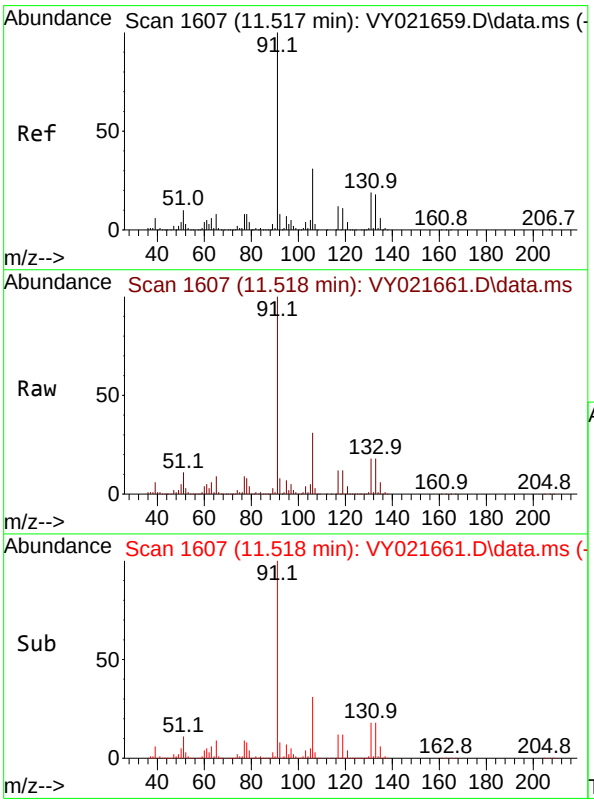
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

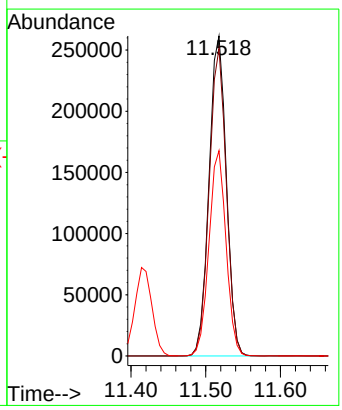
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

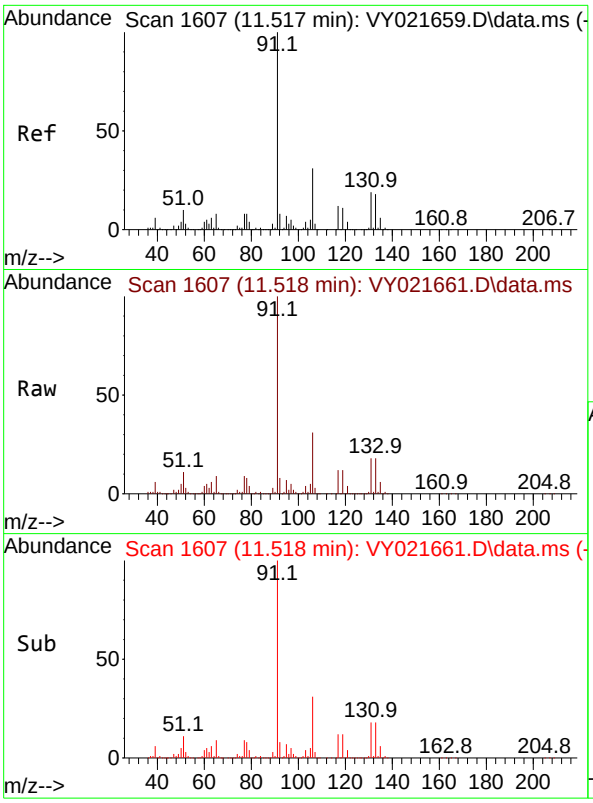


#66
1,1,1,2-Tetrachloroethane
Concen: 140.910 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:131 Resp: 420924

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.8
119	63.4	31.6	95.0

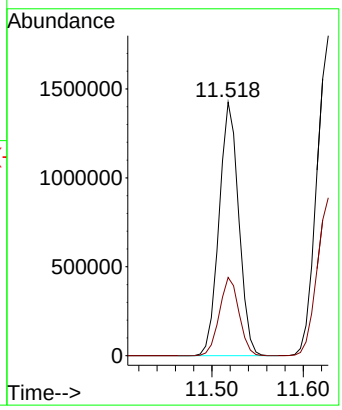




#67
Ethyl Benzene
Concen: 147.665 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 213188

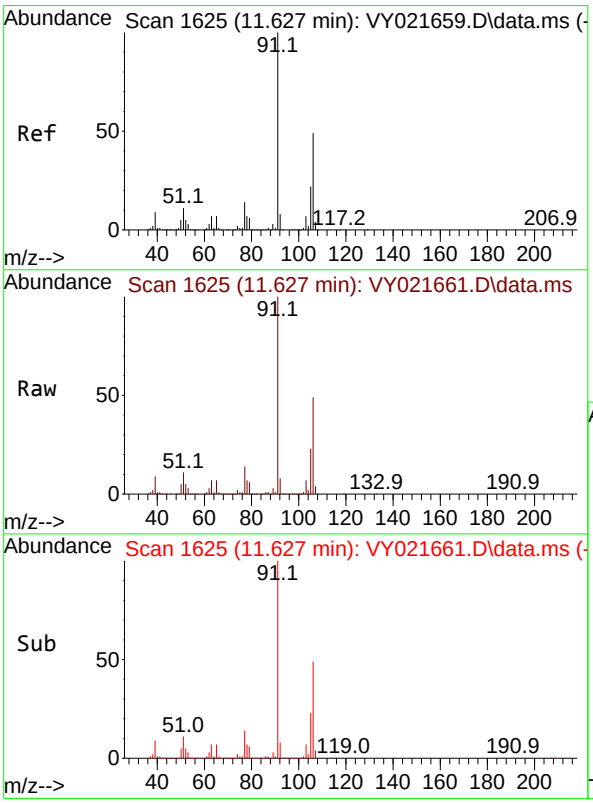
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

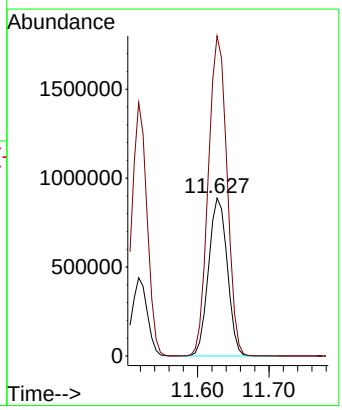
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

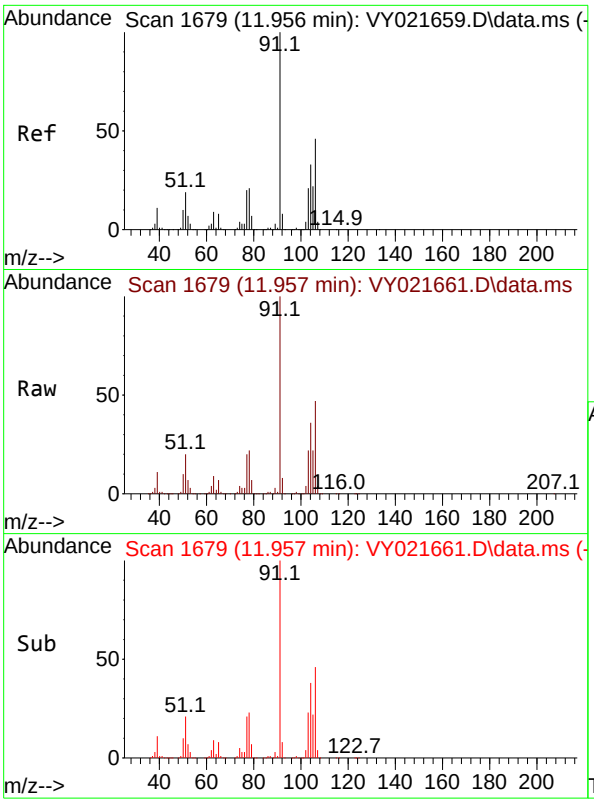


#68
m/p-Xylenes
Concen: 291.277 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:106 Resp: 1610305

Ion	Ratio	Lower	Upper
106	100		
91	203.1	162.4	243.6





#69
o-Xylene
Concen: 149.852 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

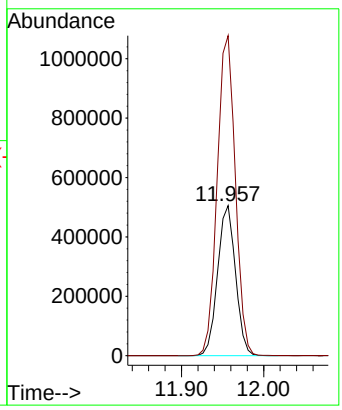
Tgt Ion:106 Resp: 76472

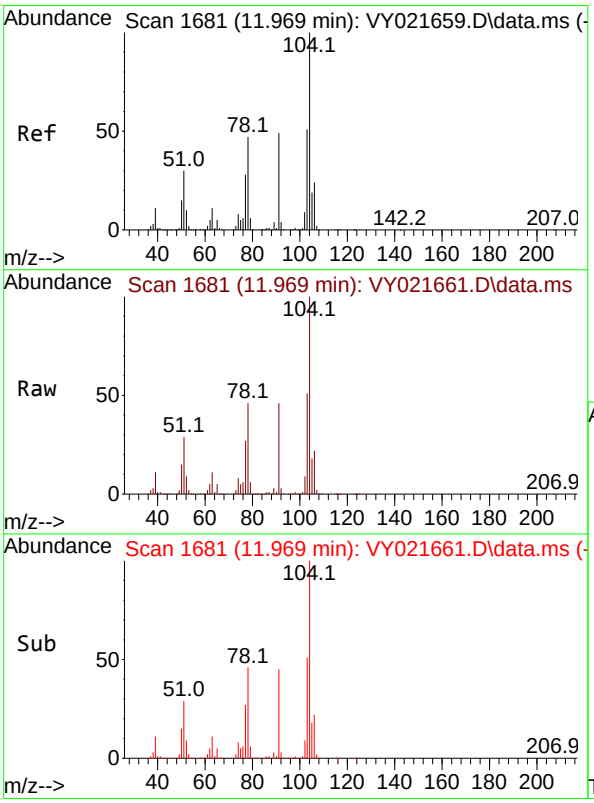
Ion	Ratio	Lower	Upper
106	100		
91	216.0	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

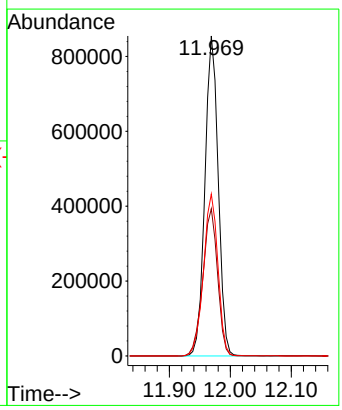


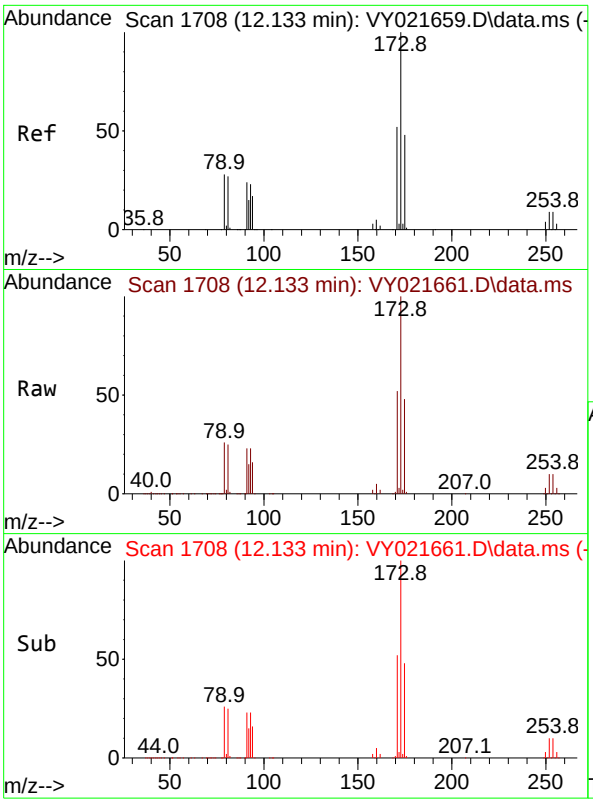


#70
Styrene
Concen: 152.877 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:104 Resp: 1300778

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.8	61.2
103	54.8	44.2	66.2

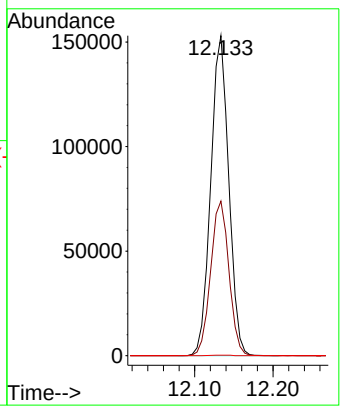




#71
Bromoform
Concen: 143.224 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:173 Resp: 24404

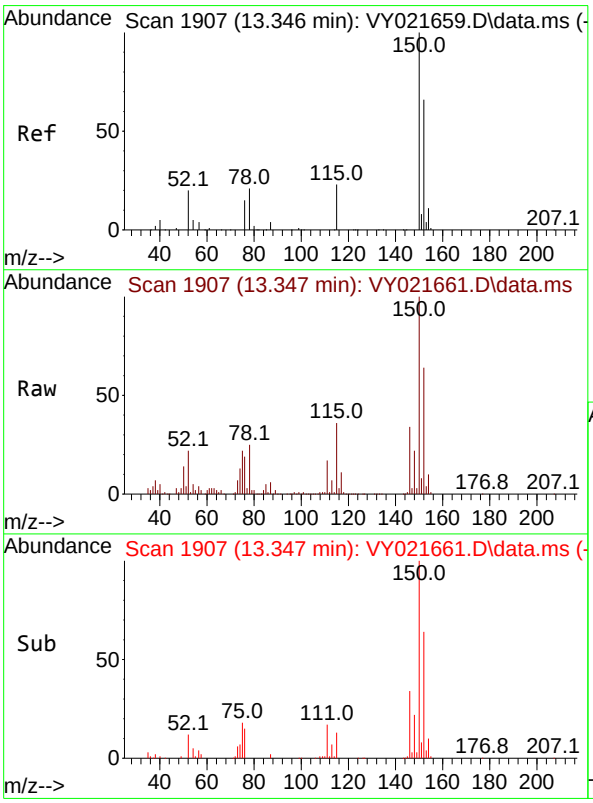
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

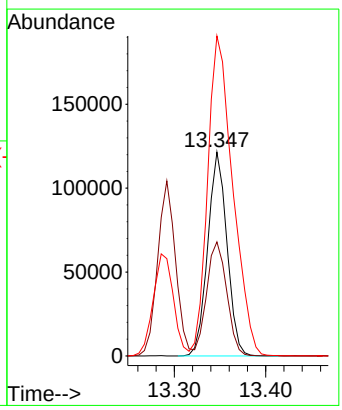
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

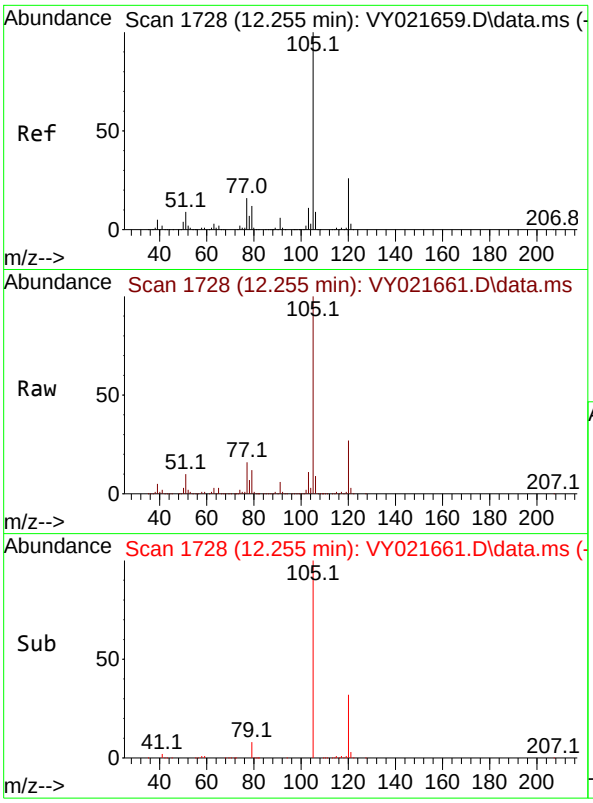


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:152 Resp: 177289

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	205.3	0.0	348.4

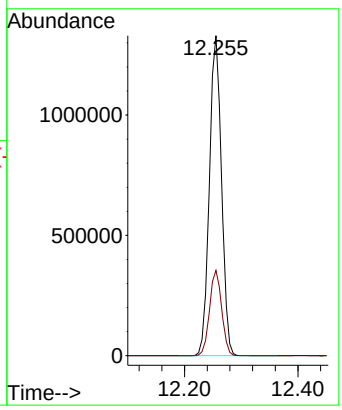




#73
Isopropylbenzene
Concen: 149.537 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 196909

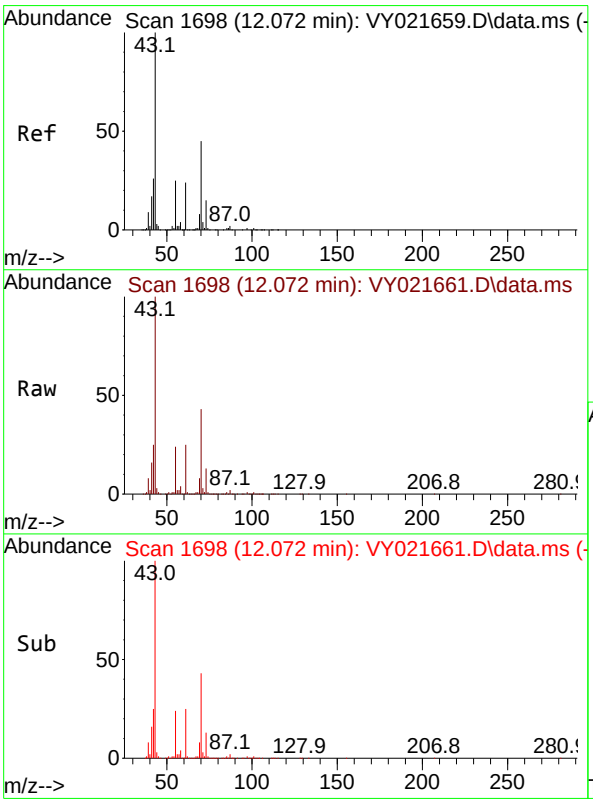
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

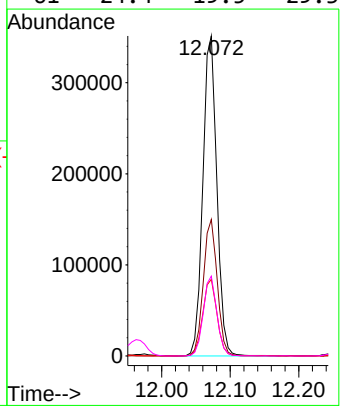
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

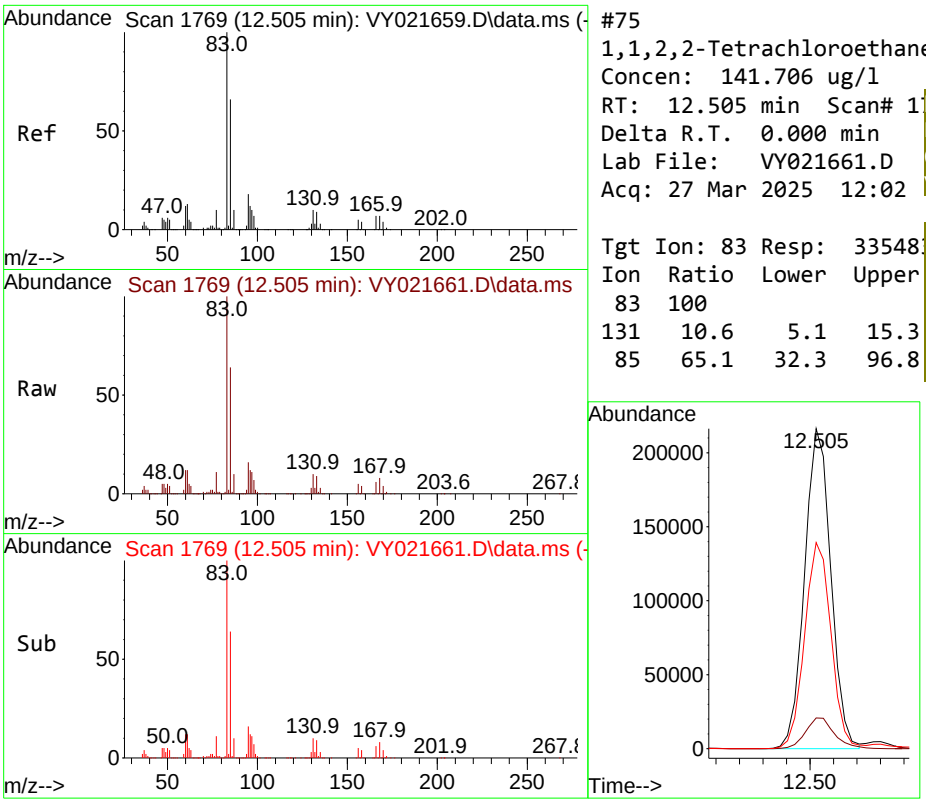


#74
N-amyl acetate
Concen: 161.437 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 498903

Ion	Ratio	Lower	Upper
43	100		
70	42.6	34.7	52.1
55	24.5	21.2	31.8
61	24.4	19.5	29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 141.706 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

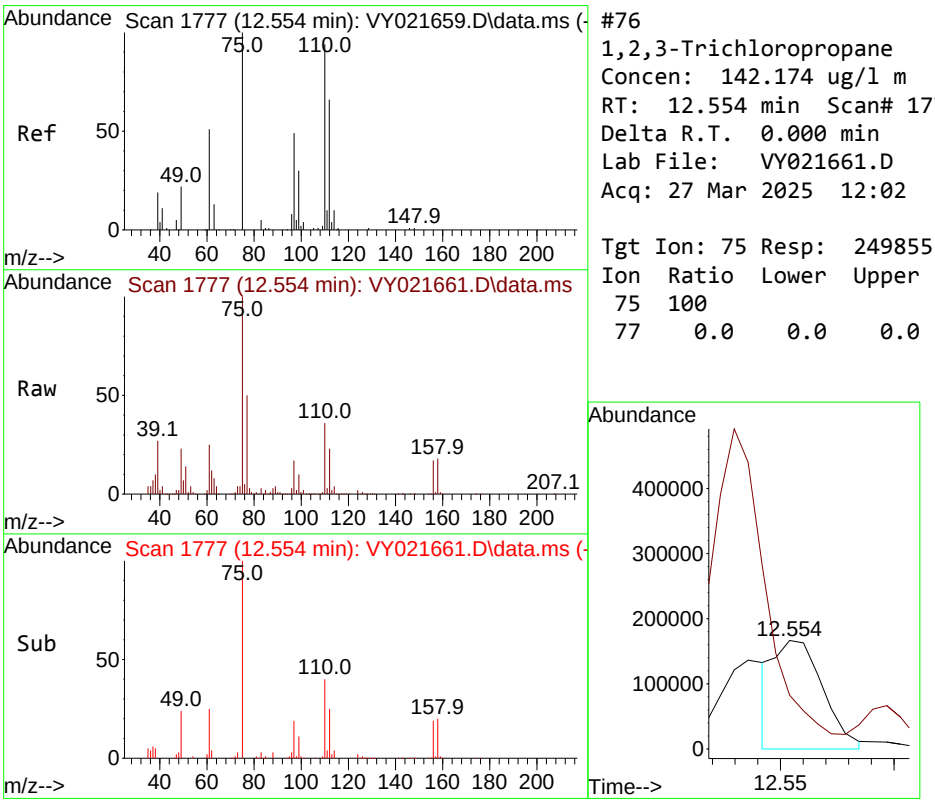
Tgt Ion: 83 Resp: 33548

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	65.1	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

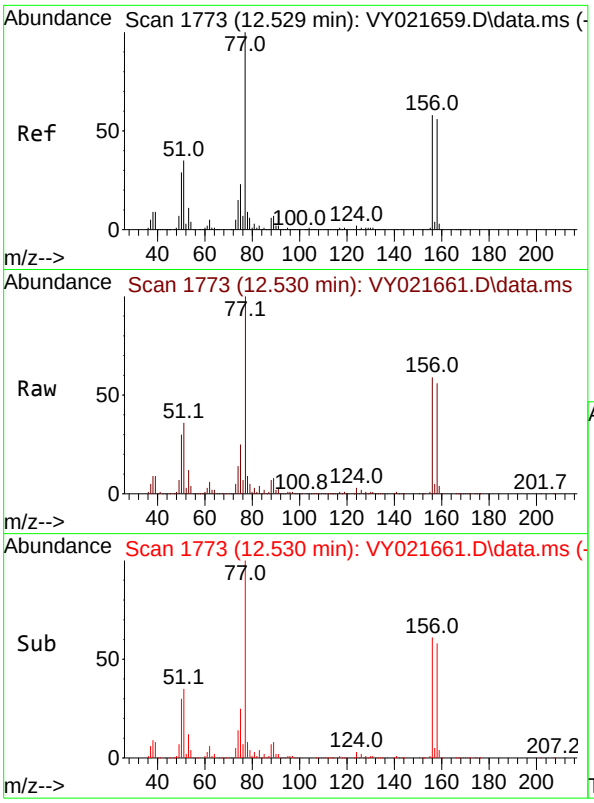
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#76
1,2,3-Trichloropropane
Concen: 142.174 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 249855

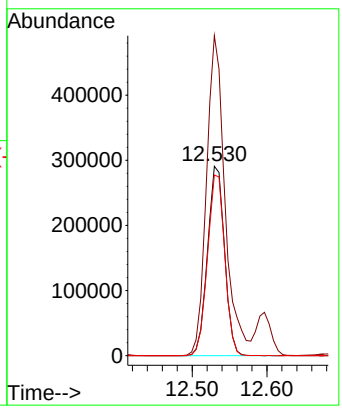
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



#77
Bromobenzene
Concen: 145.881 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:156 Resp: 46122

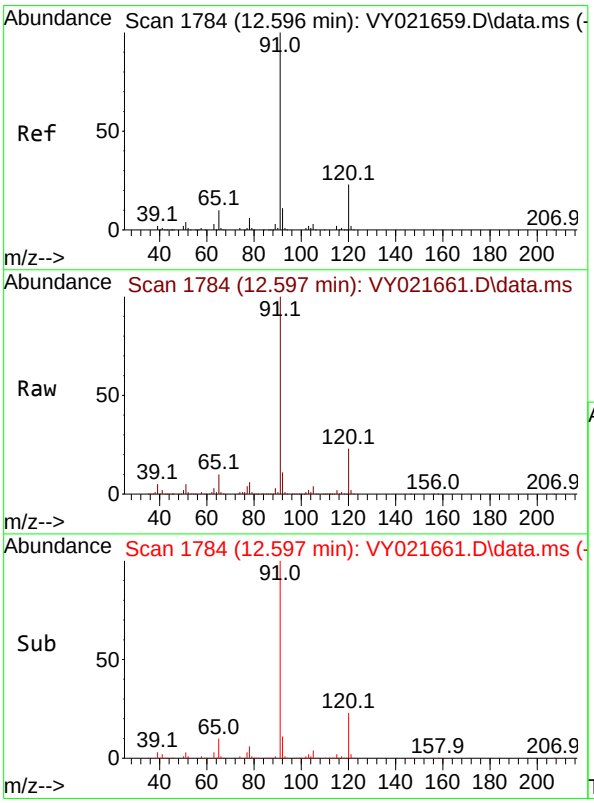
Ion	Ratio	Lower	Upper
156	100		
77	184.1	92.8	278.3
158	96.6	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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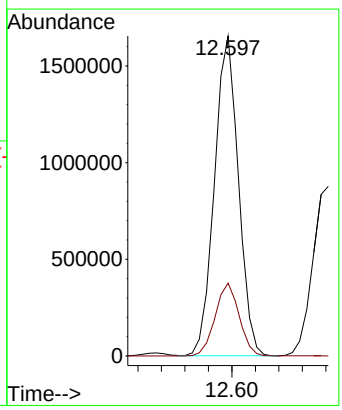
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

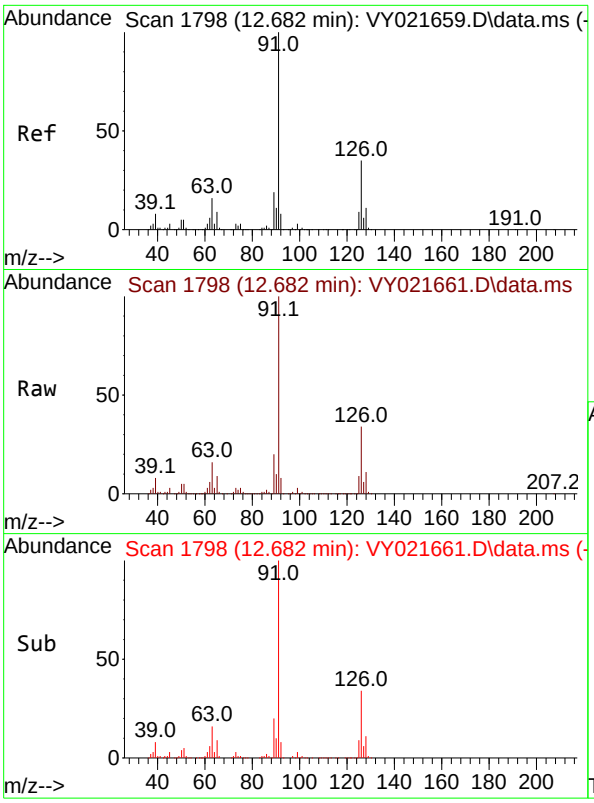


#78
n-propylbenzene
Concen: 148.082 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 2344286

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9

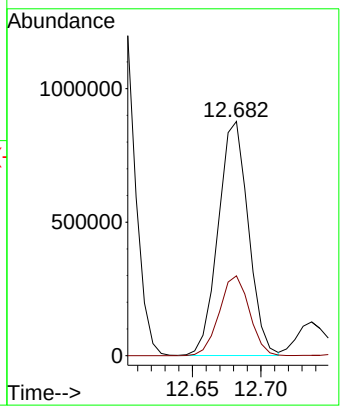




#79
2-Chlorotoluene
Concen: 146.095 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 134332

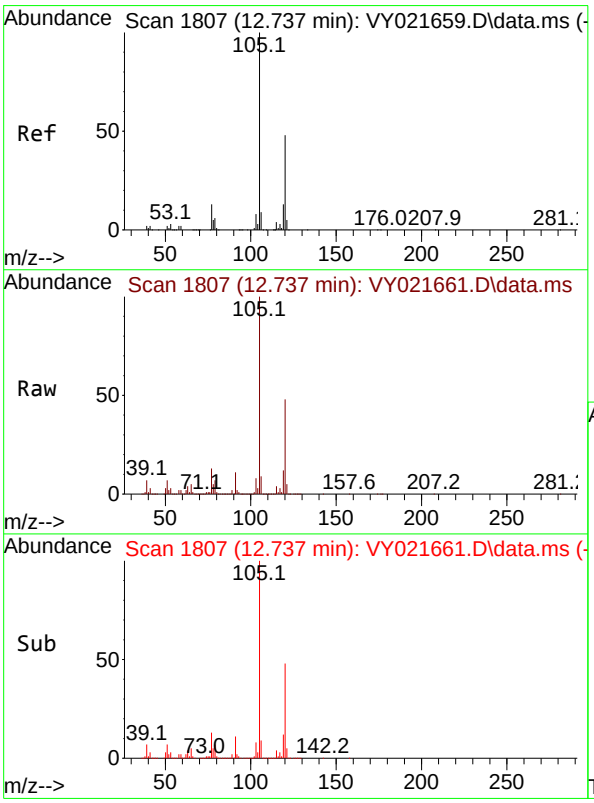
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

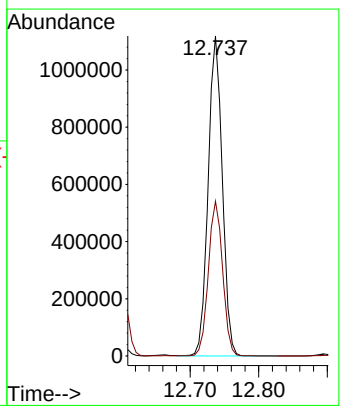
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

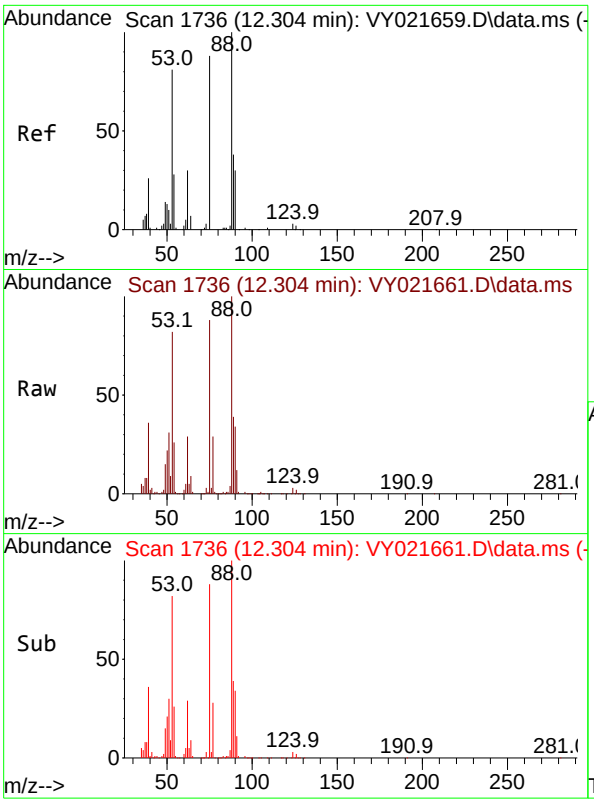


#80
1,3,5-Trimethylbenzene
Concen: 149.397 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 1607812

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.5	73.5

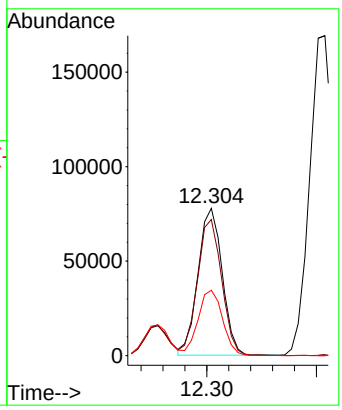




#81
trans-1,4-Dichloro-2-butene
Concen: 156.137 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 11908

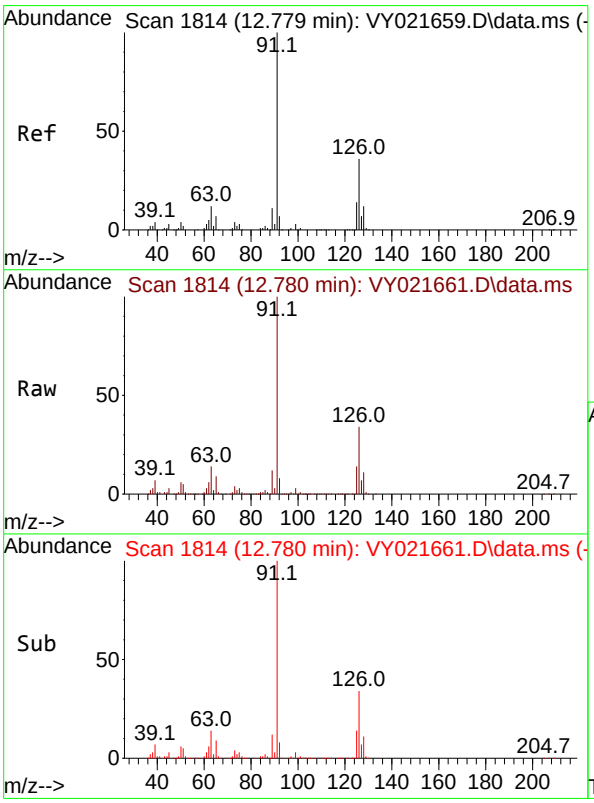
Ion	Ratio	Lower	Upper
75	100		
53	93.4	76.1	114.1
89	44.8	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

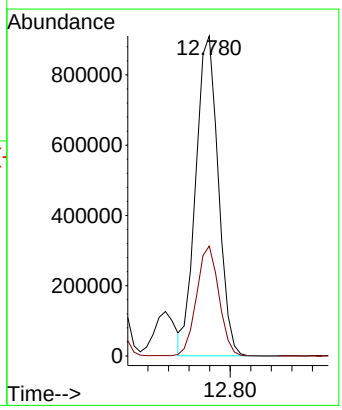
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

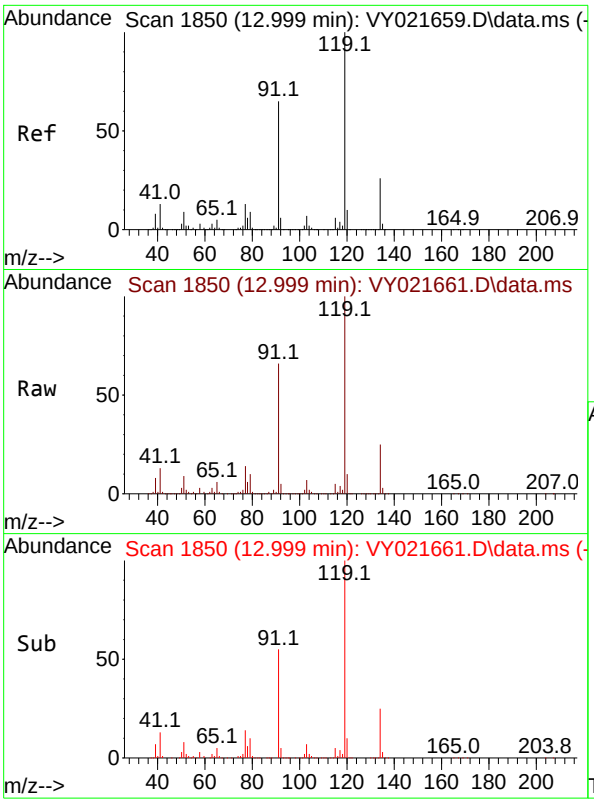


#82
4-Chlorotoluene
Concen: 144.608 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 1386233

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

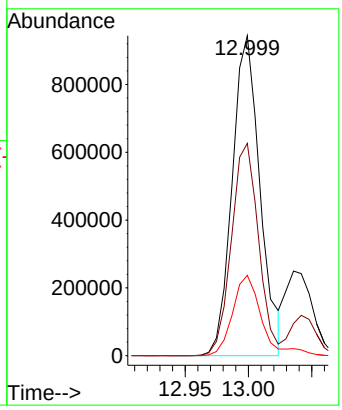




#83
tert-Butylbenzene
Concen: 150.647 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:119 Resp: 144405

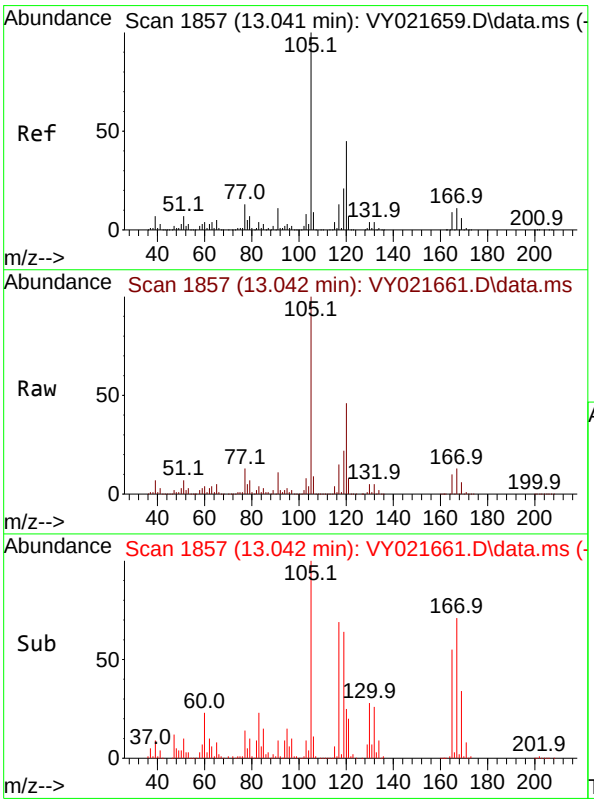
Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.6	97.7
134	26.3	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

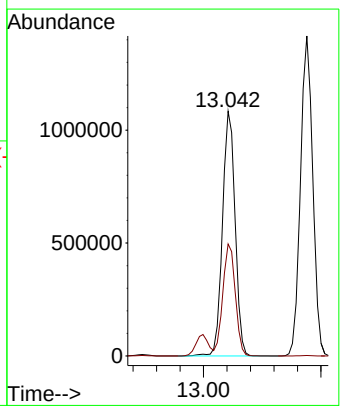
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

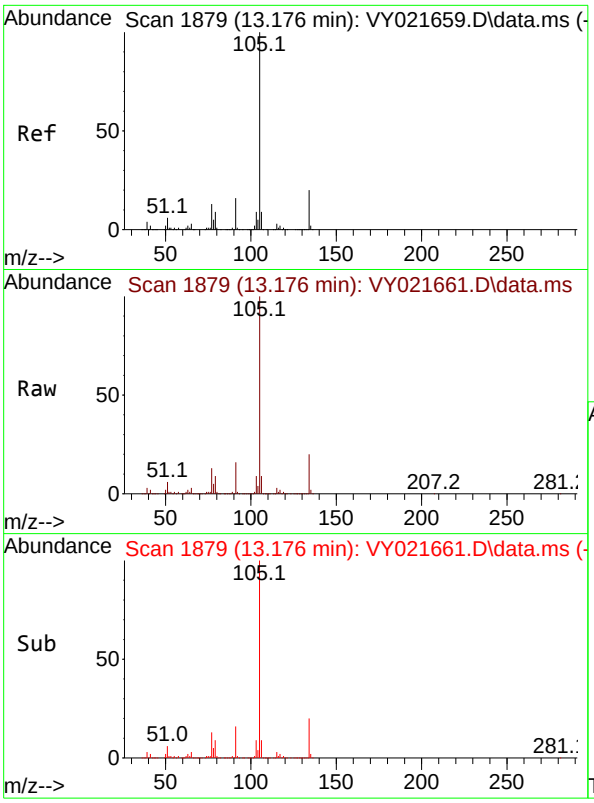


#84
1,2,4-Trimethylbenzene
Concen: 152.003 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 1616812

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1





#85
sec-Butylbenzene
Concen: 146.493 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

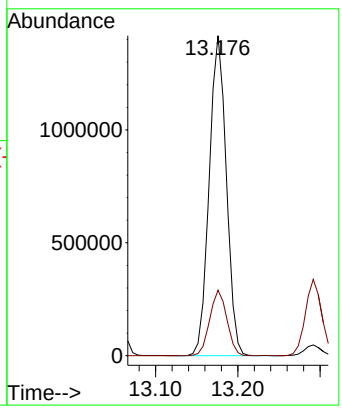
Tgt Ion:105 Resp: 205215

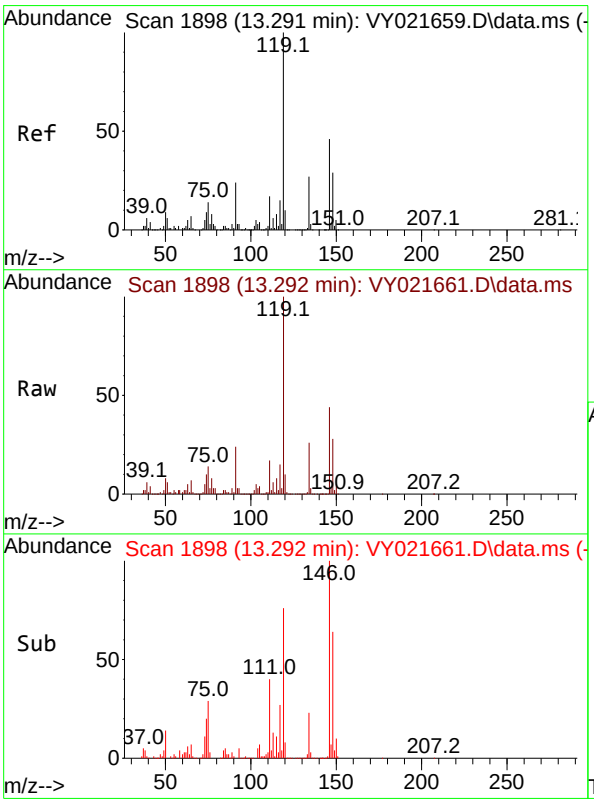
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

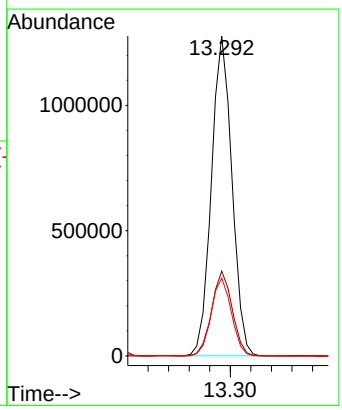


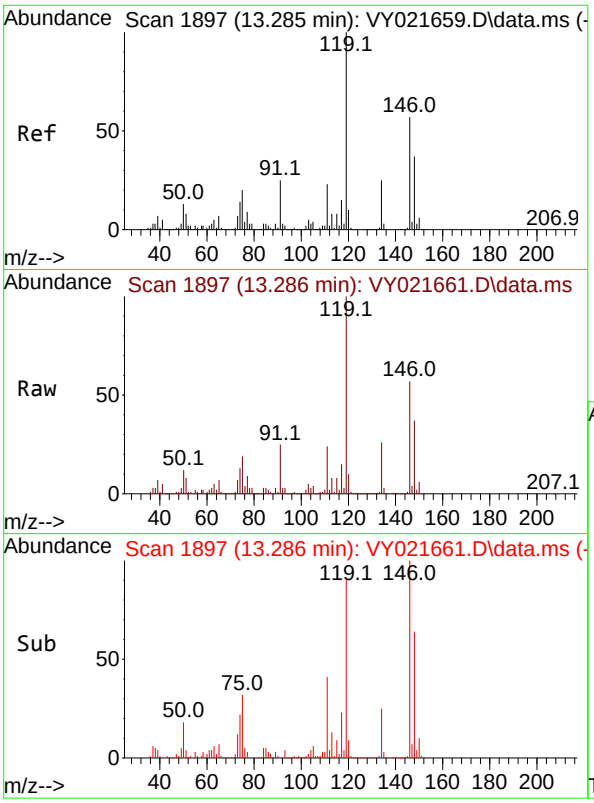


#86
p-Isopropyltoluene
Concen: 152.863 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:119 Resp: 1769866

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	24.2	12.0	36.0

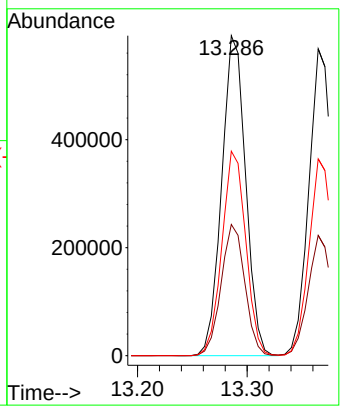




#87
1,3-Dichlorobenzene
Concen: 144.177 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 89807

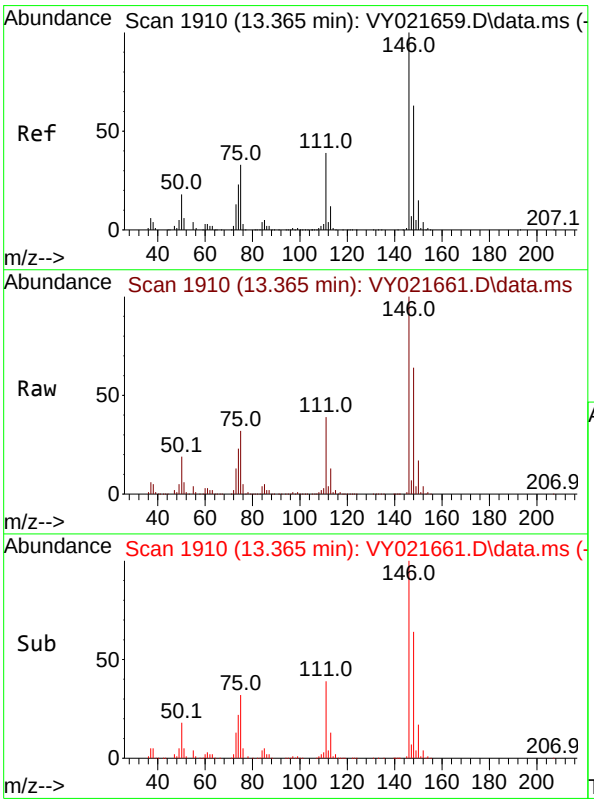
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.7	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

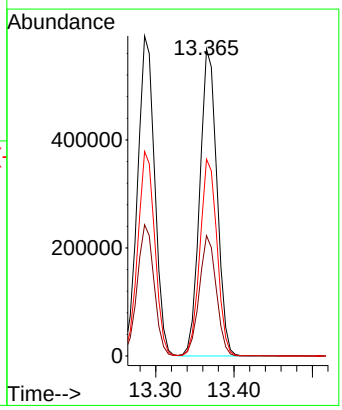
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

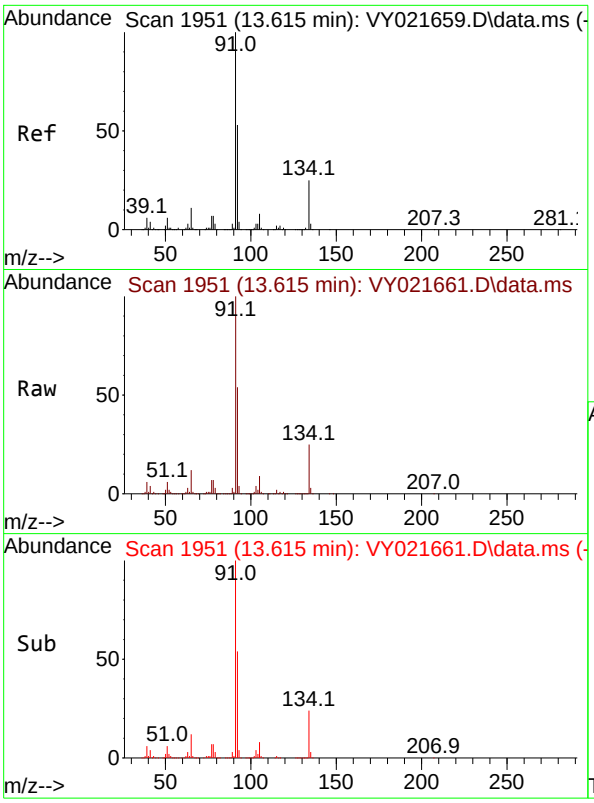


#88
1,4-Dichlorobenzene
Concen: 140.489 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 864599

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	63.9	31.5	94.5

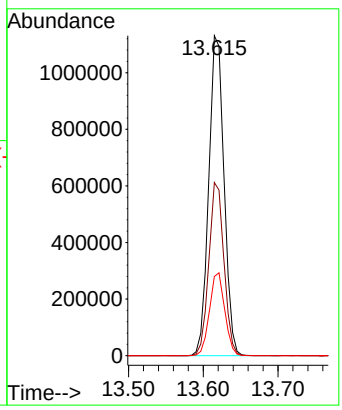




#89
n-Butylbenzene
Concen: 150.273 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 160906

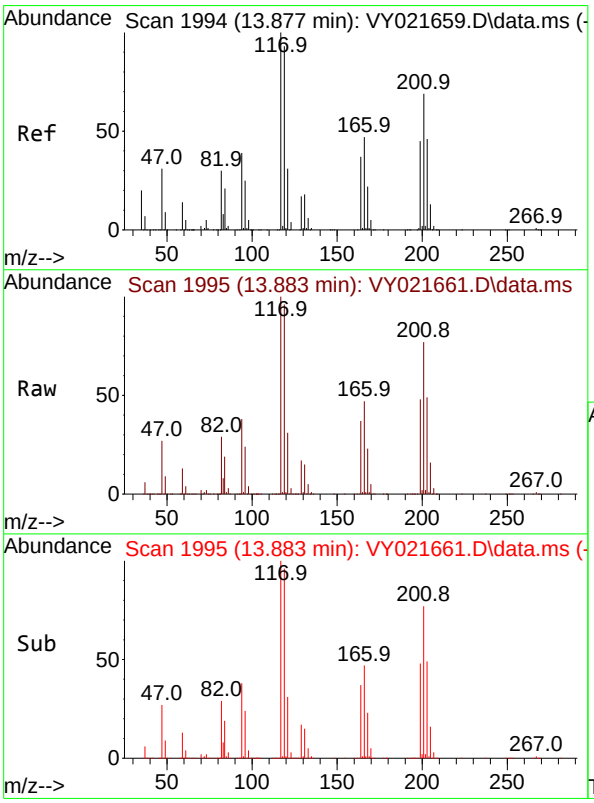
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	25.9	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

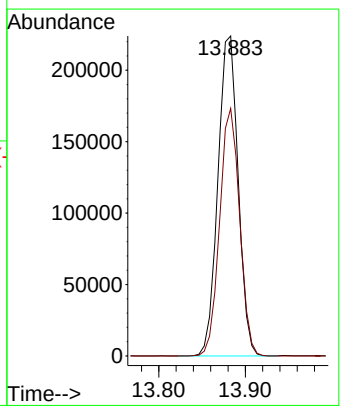
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

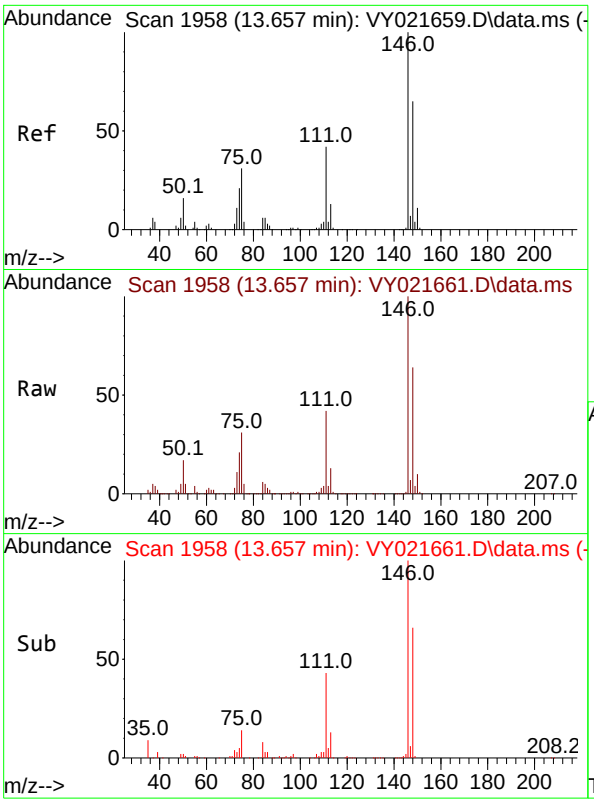


#90
Hexachloroethane
Concen: 143.167 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 363244

Ion	Ratio	Lower	Upper
117	100		
201	76.3	37.4	112.1

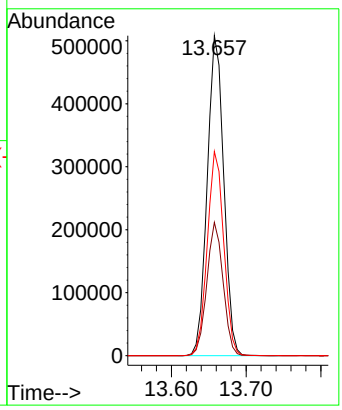




#91
1,2-Dichlorobenzene
Concen: 143.668 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 77902

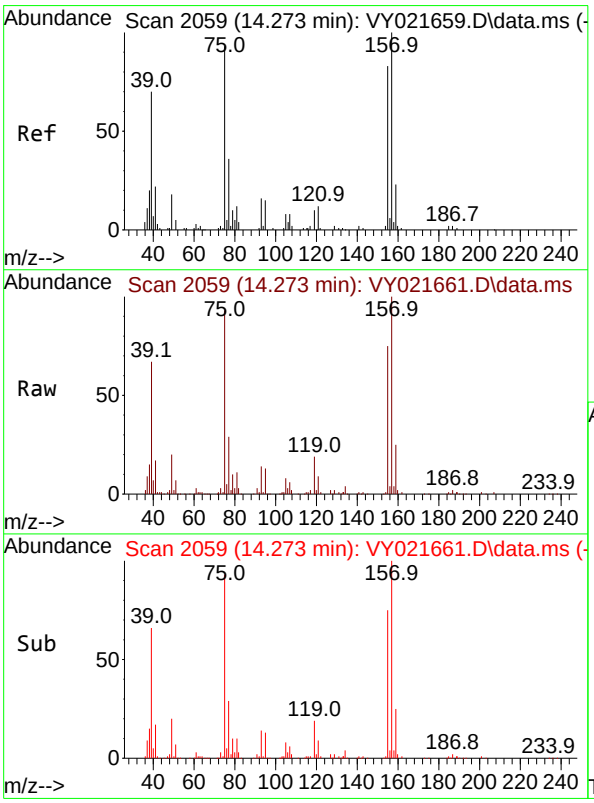
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

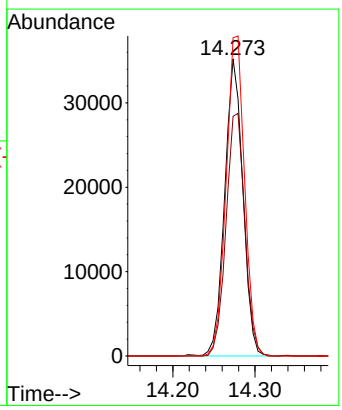
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

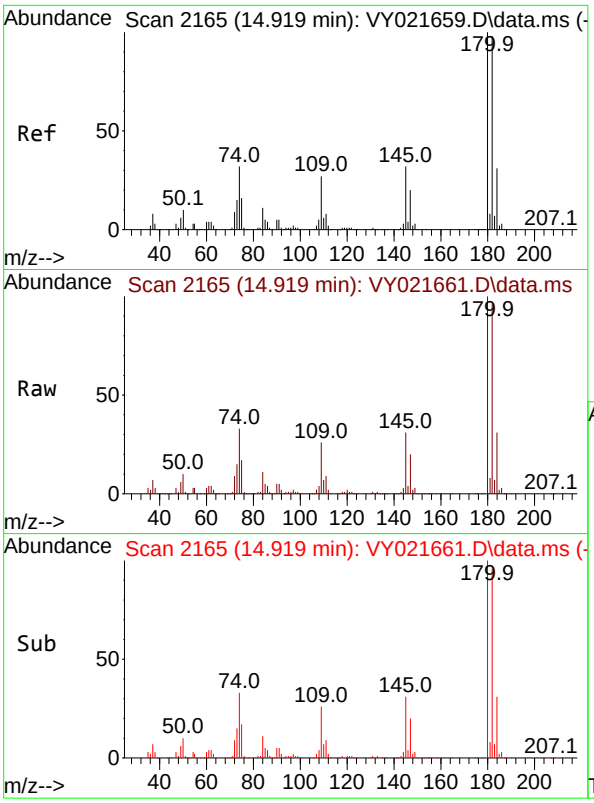


#92
1,2-Dibromo-3-Chloropropane
Concen: 147.345 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 54066

Ion	Ratio	Lower	Upper
75	100		
155	84.5	43.0	128.8
157	109.7	54.0	162.0





#93
1,2,4-Trichlorobenzene
Concen: 160.803 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

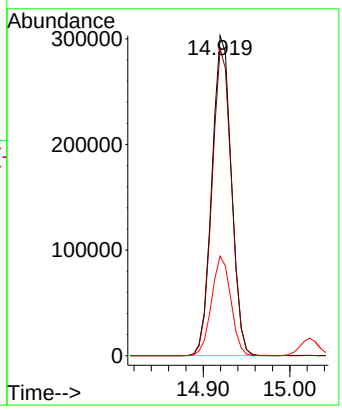
Tgt Ion:180 Resp: 47284

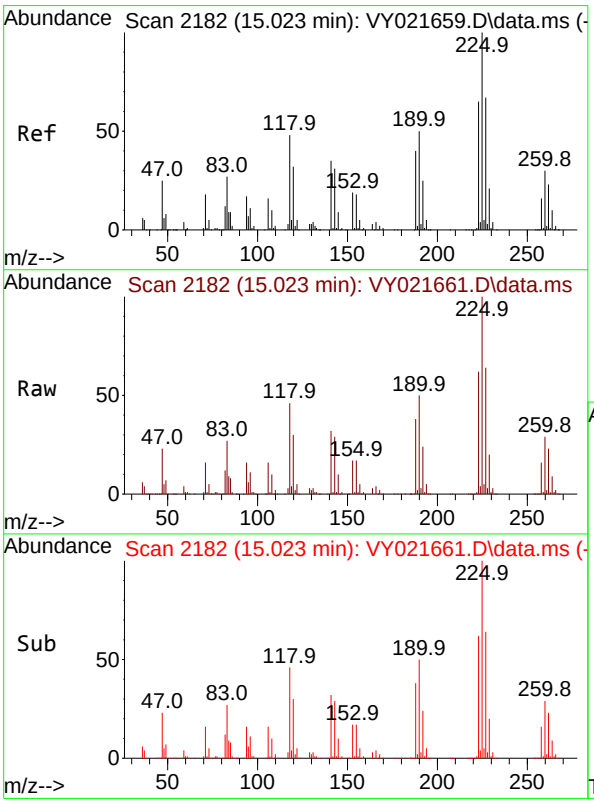
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	30.8	14.9	44.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

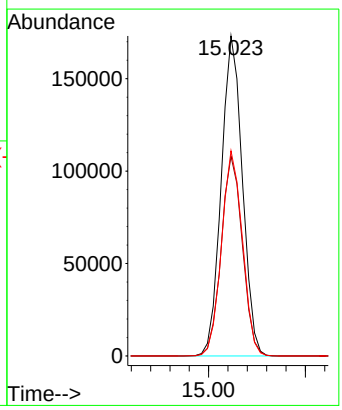


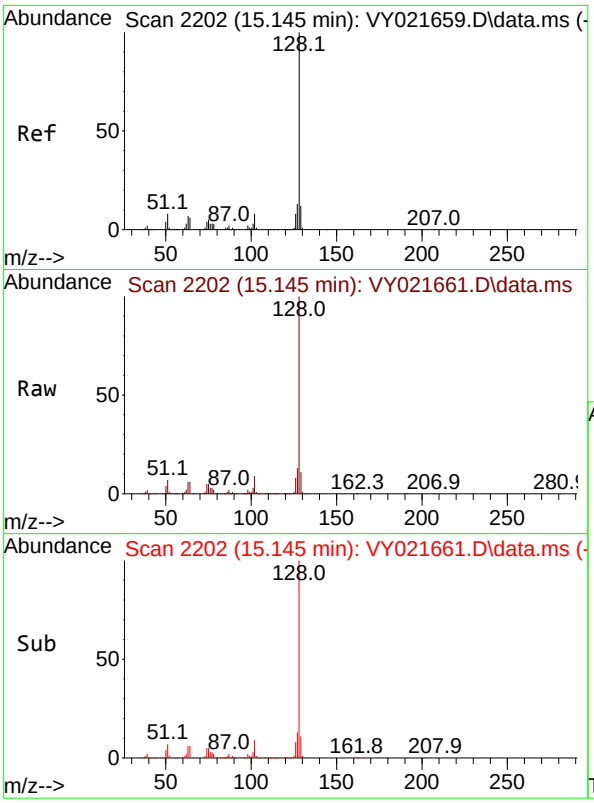


#94
Hexachlorobutadiene
Concen: 142.491 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:225 Resp: 261678

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	63.4	32.4	97.0

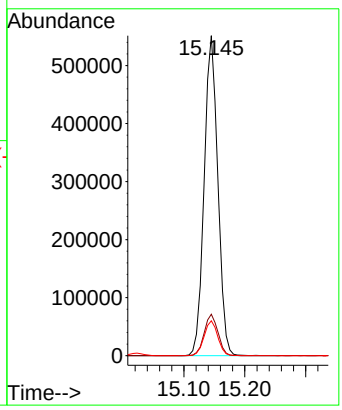




#95
Naphthalene
Concen: 176.342 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:128 Resp: 85949

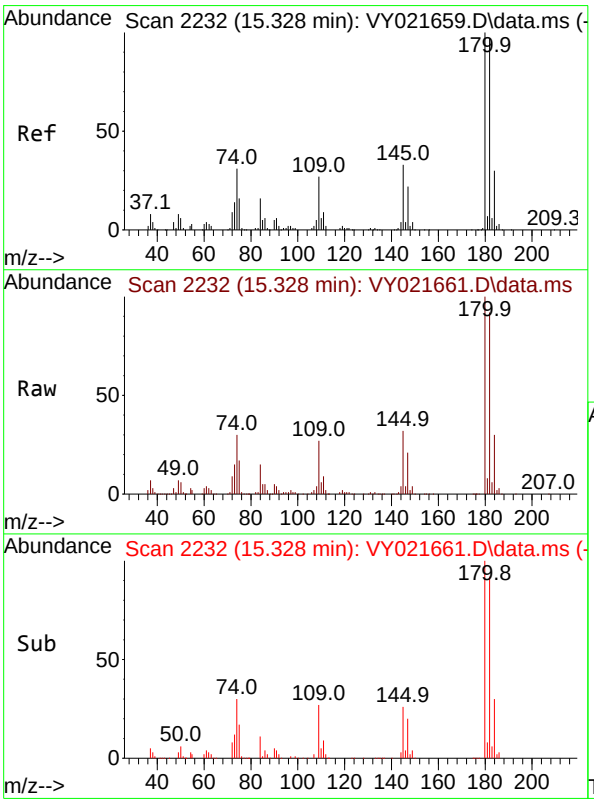
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.9	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

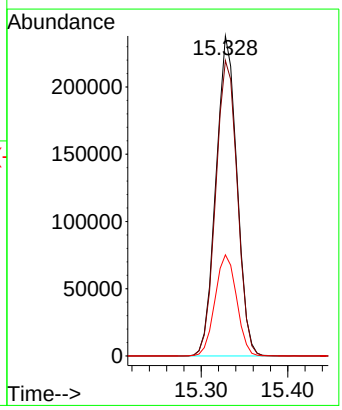
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 159.646 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:180 Resp: 400315

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	32.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l		99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l	#	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l		98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l		95
46) Dibromomethane	9.231	93	76421	50.052	ug/l		98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l		99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l		98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l		100
52) Toluene	10.170	92	360002	51.555	ug/l		99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l		99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l		98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l		99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l		99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l		100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l		99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l		98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l		99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l		100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l		100
69) o-Xylene	11.956	106	247091	53.075	ug/l		99
70) Styrene	11.968	104	416261	53.627	ug/l		99
71) Bromoform	12.133	173	78932	50.778	ug/l	#	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l		100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	70644m	42.688	ug/l		
77) Bromobenzene	12.535	156	152211	51.125	ug/l		99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l		100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l		97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l		100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l		100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l		100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l		99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l		100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l		100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l		96
95) Naphthalene	15.145	128	237561	51.759	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

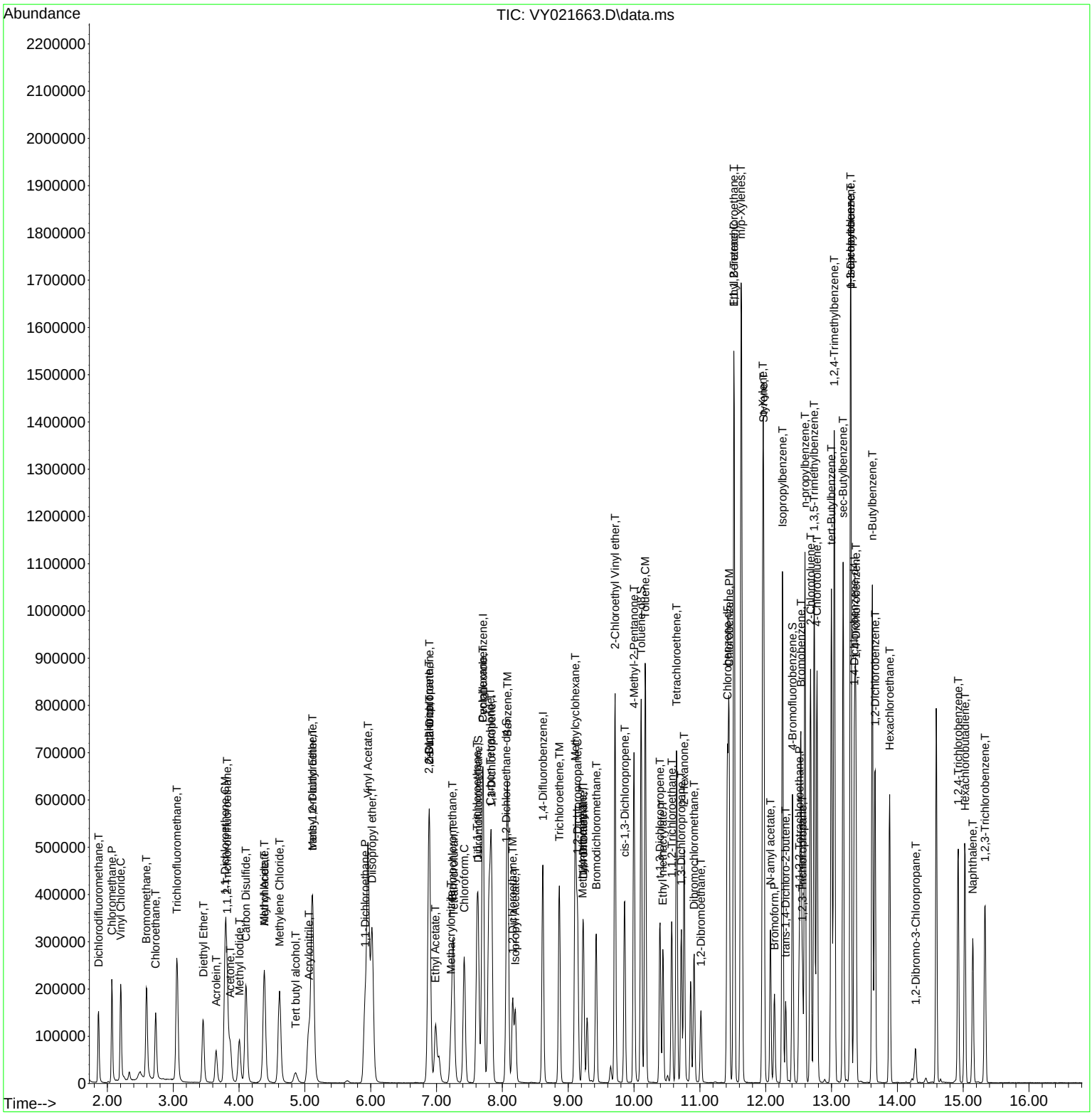
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Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

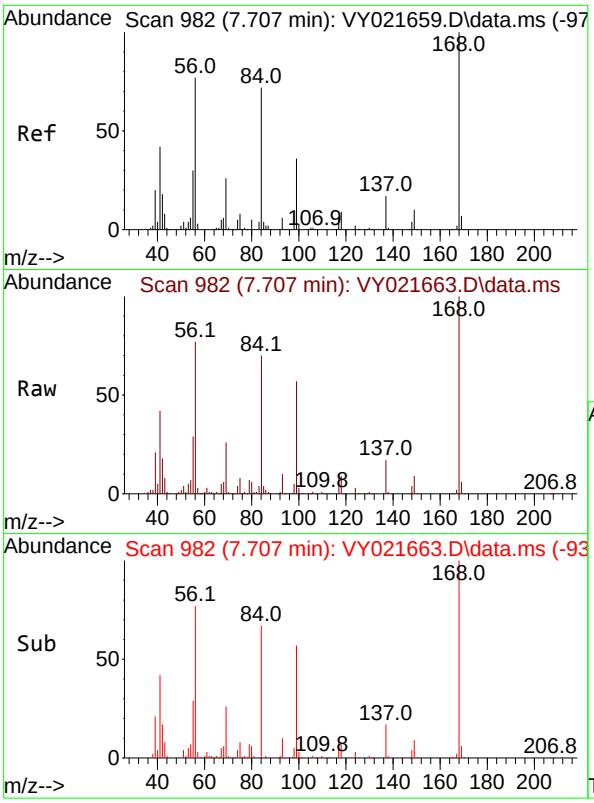
Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

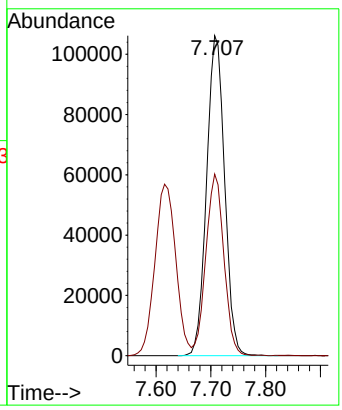




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:168 Resp: 24128

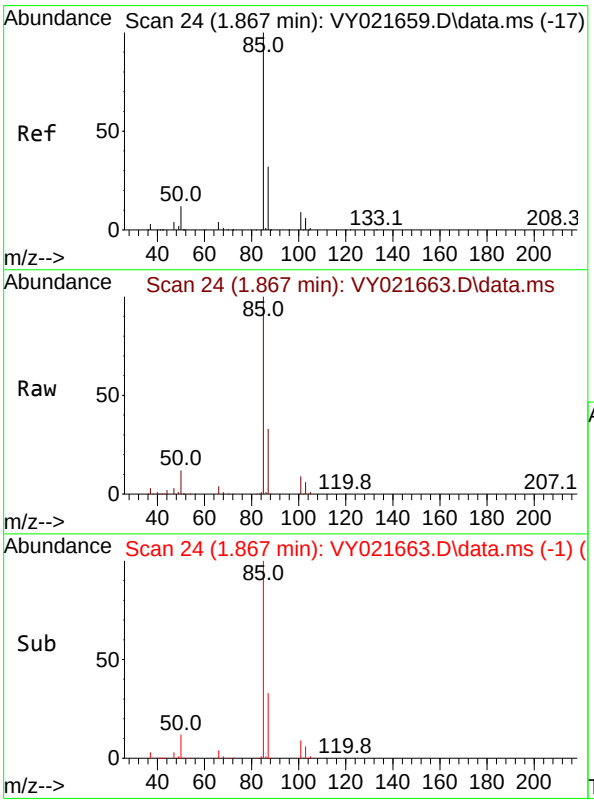
Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

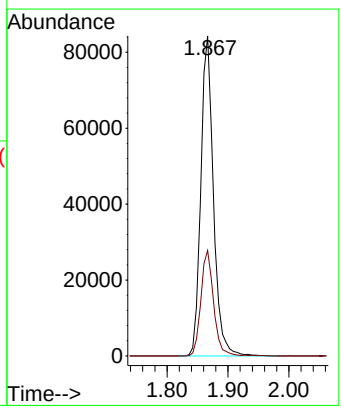
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

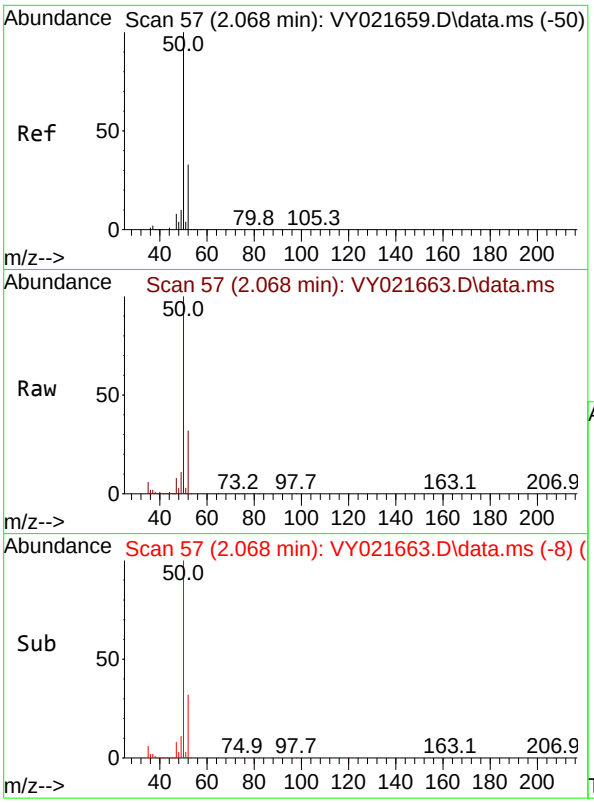


#2
Dichlorodifluoromethane
Concen: 48.632 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 85 Resp: 121620

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.2	48.6

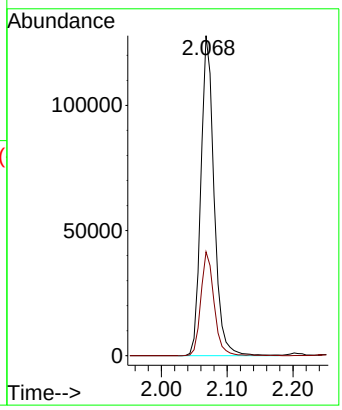




#3
Chloromethane
Concen: 50.781 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 50 Resp: 17857

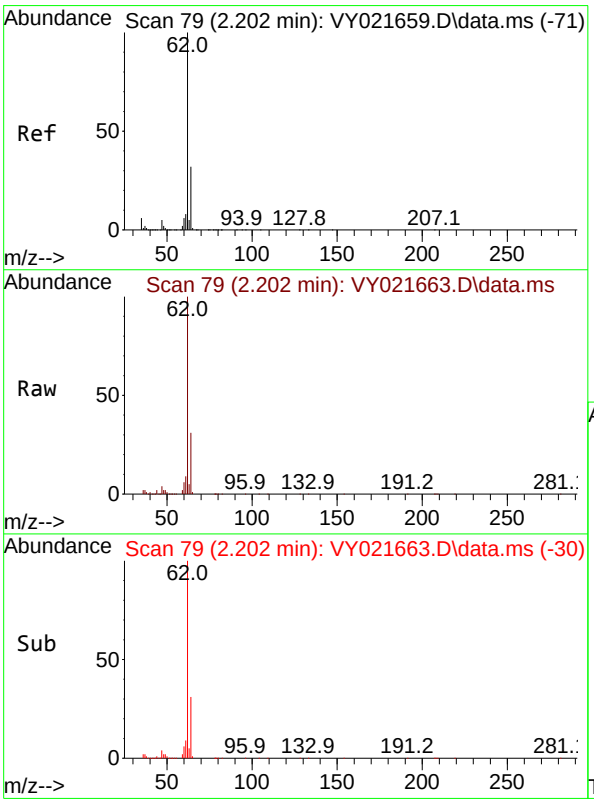
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

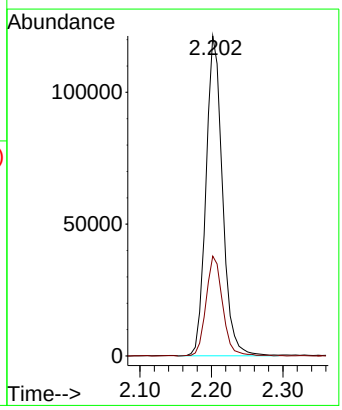
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

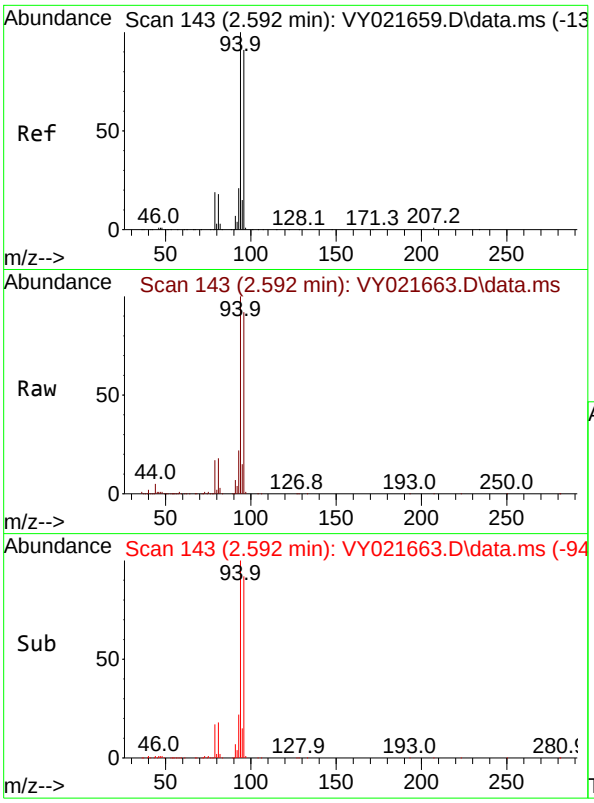


#4
Vinyl Chloride
Concen: 48.759 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 193909

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3





#5
Bromomethane
Concen: 49.274 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

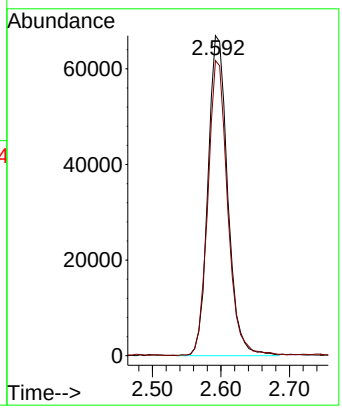
Tgt Ion: 94 Resp: 13365

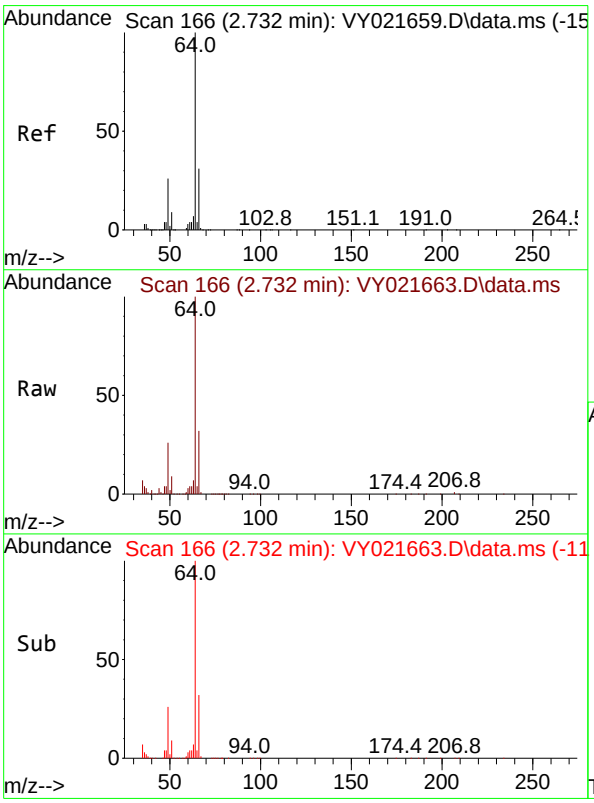
Ion	Ratio	Lower	Upper
94	100		
96	92.1	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

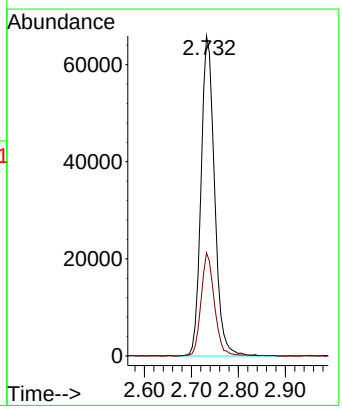


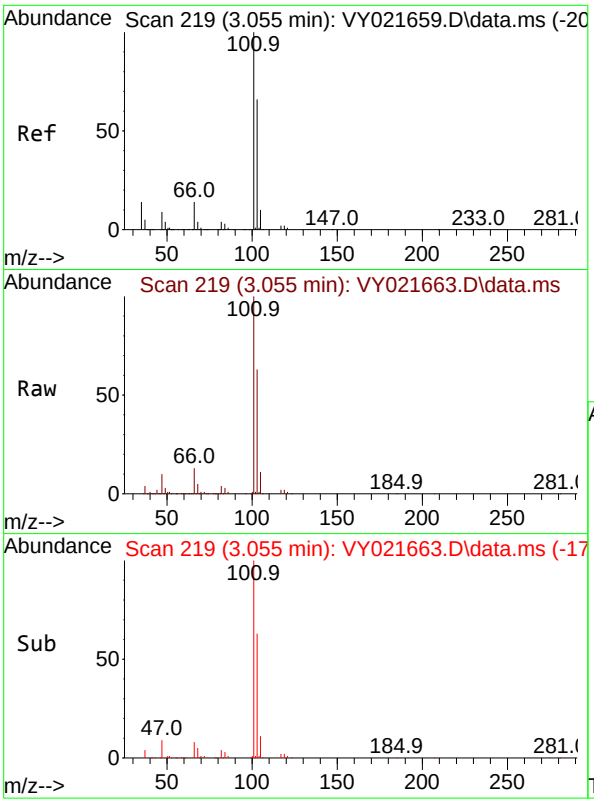


#6
Chloroethane
Concen: 50.589 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 64 Resp: 131646

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3

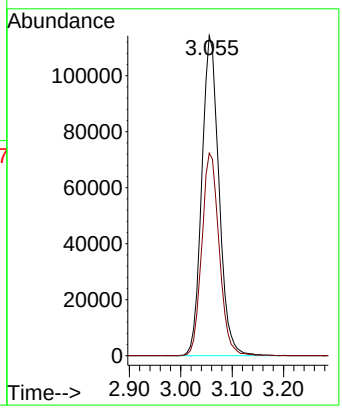




#7
Trichlorofluoromethane
Concen: 51.989 ug/l
RT: 3.055 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:101 Resp: 26485

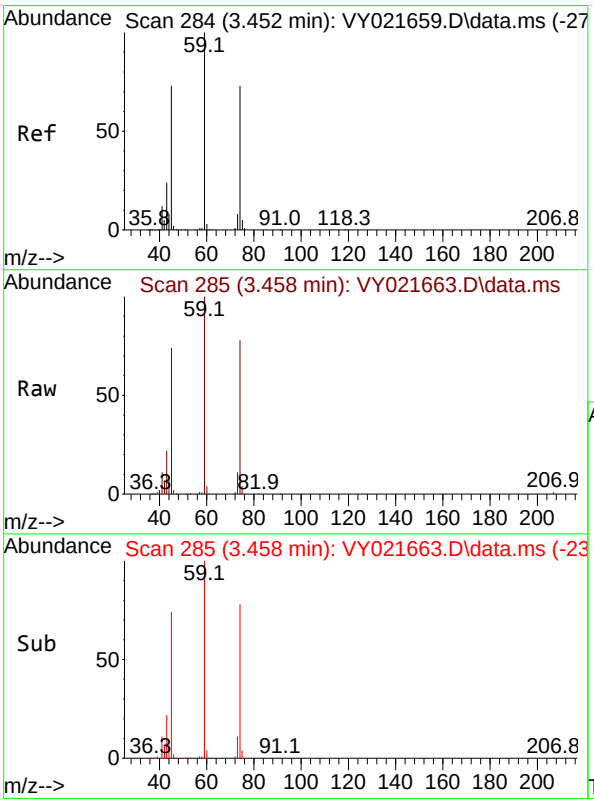
Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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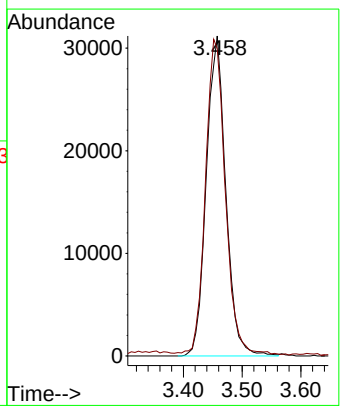
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

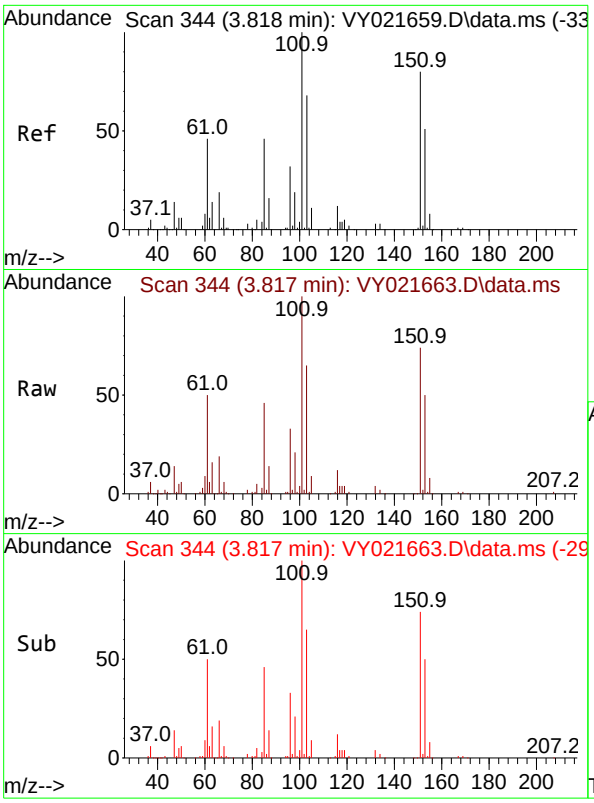


#8
Diethyl Ether
Concen: 51.807 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 74 Resp: 71773

Ion	Ratio	Lower	Upper
74	100		
45	101.3	48.6	145.8

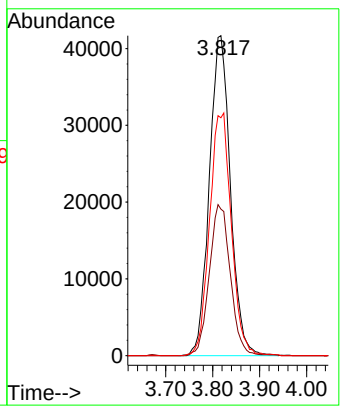




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.213 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:101 Resp: 12954

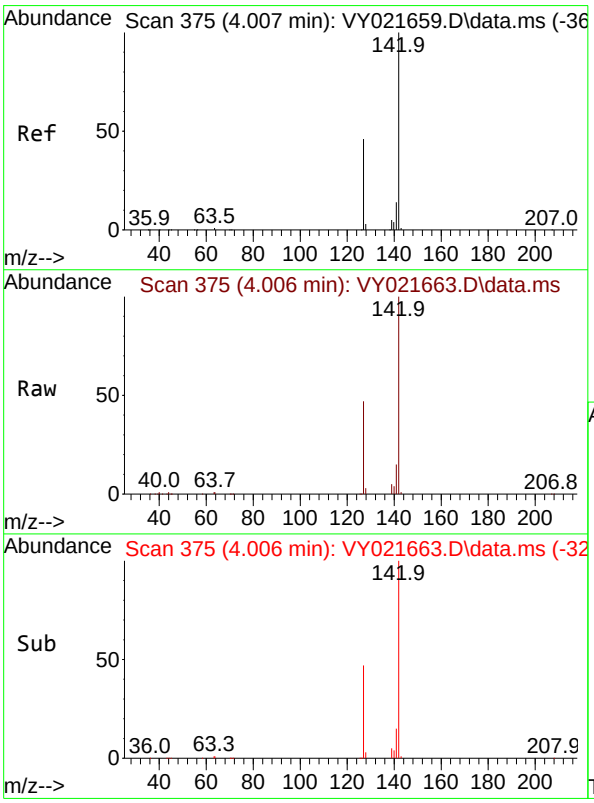
Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.3	54.5
151	78.7	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

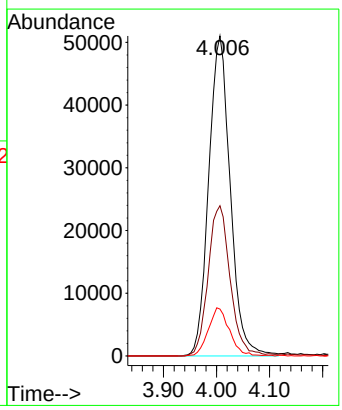
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

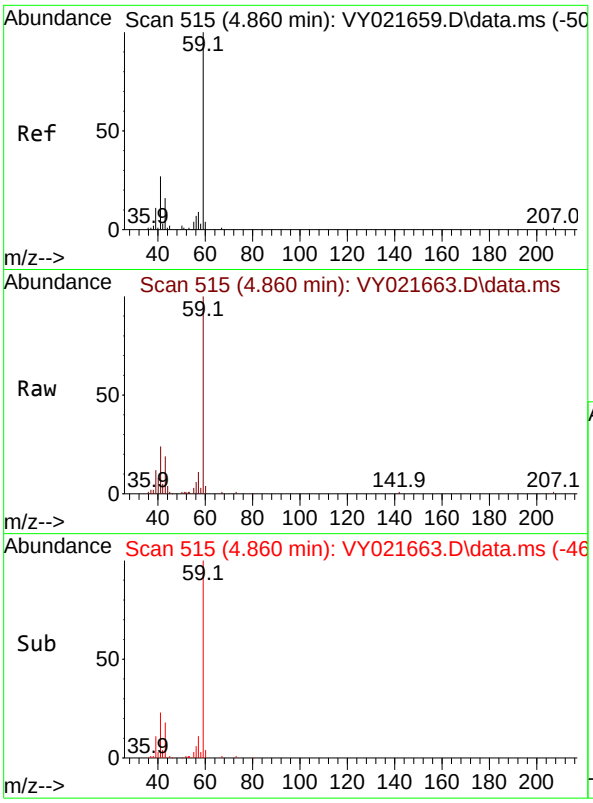


#10
Methyl Iodide
Concen: 48.859 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:142 Resp: 144020

Ion	Ratio	Lower	Upper
142	100		
127	47.9	38.7	58.1
141	14.8	11.5	17.3

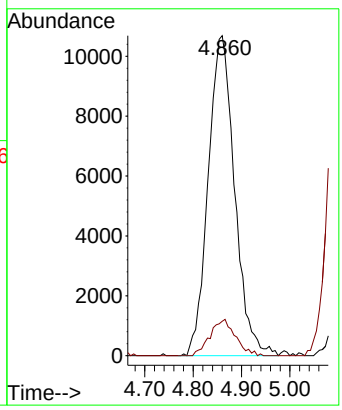




#11
Tert butyl alcohol
Concen: 239.093 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 59 Resp: 4059

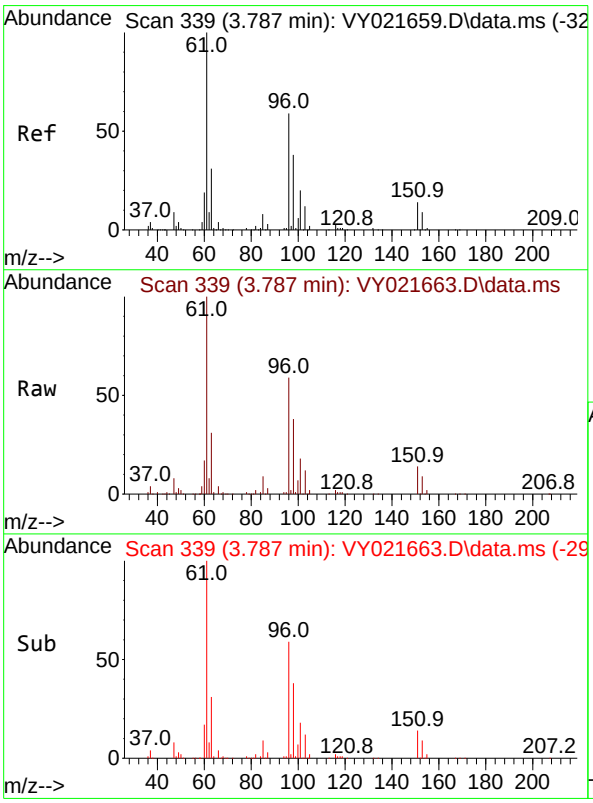
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

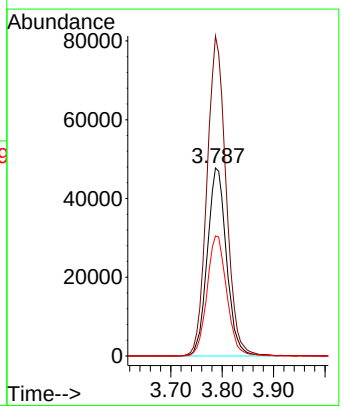
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

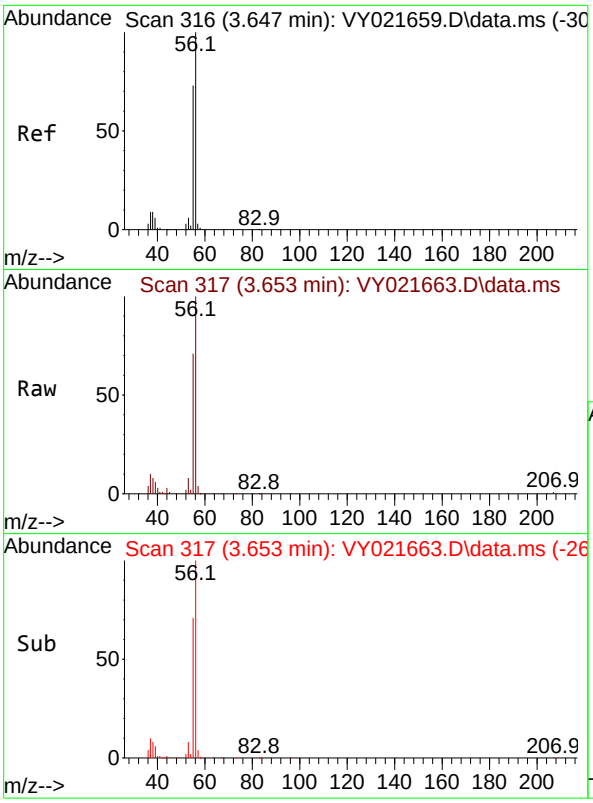


#12
1,1-Dichloroethene
Concen: 48.958 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 123904

Ion	Ratio	Lower	Upper
96	100		
61	170.1	136.6	204.8
98	63.8	52.3	78.5

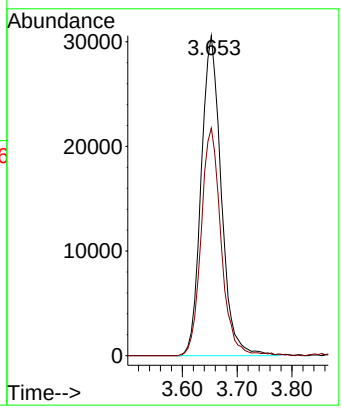




#13
Acrolein
Concen: 249.738 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 56 Resp: 7743

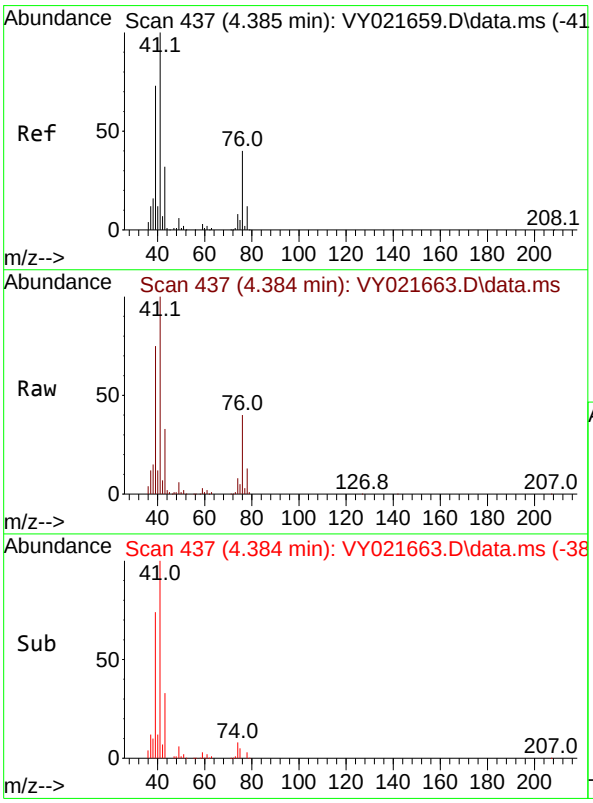
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

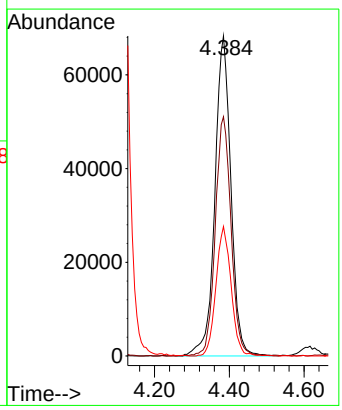
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

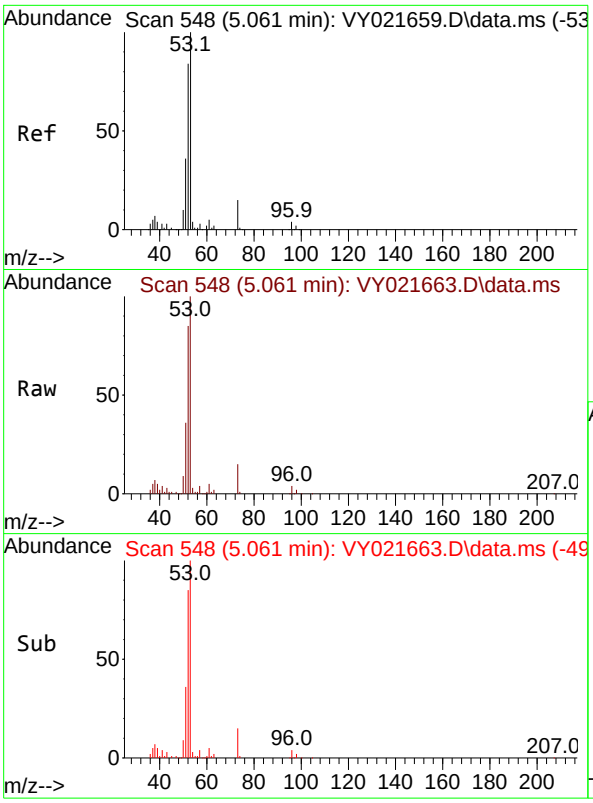


#14
Allyl chloride
Concen: 50.380 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 203289

Ion	Ratio	Lower	Upper
41	100		
39	73.9	58.6	88.0
76	38.3	30.3	45.5





#15
Acrylonitrile
Concen: 246.085 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

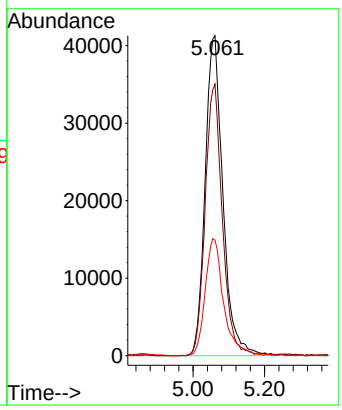
Tgt Ion: 53 Resp: 14234

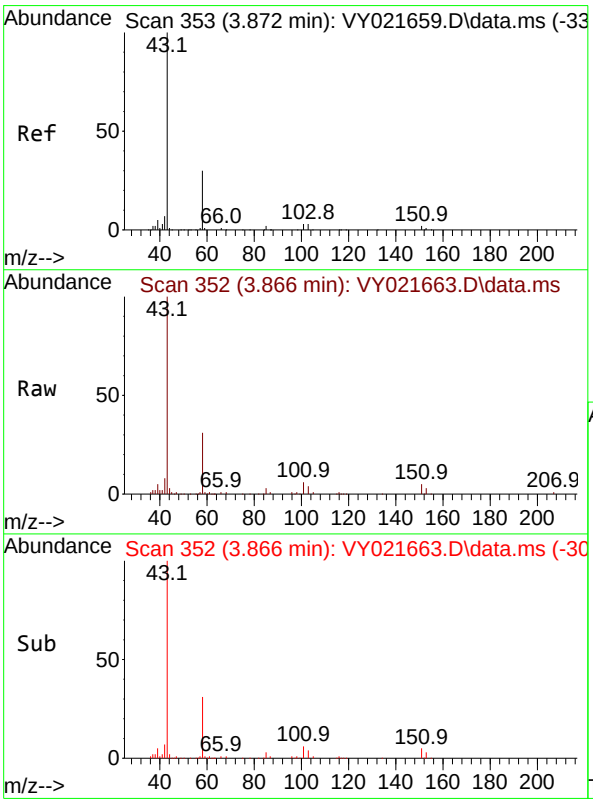
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	37.9	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

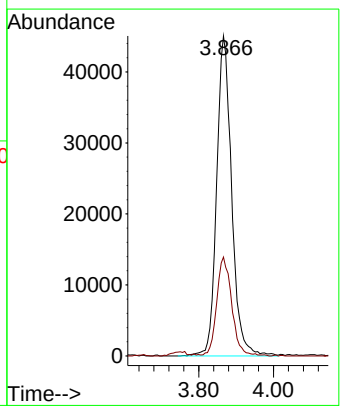


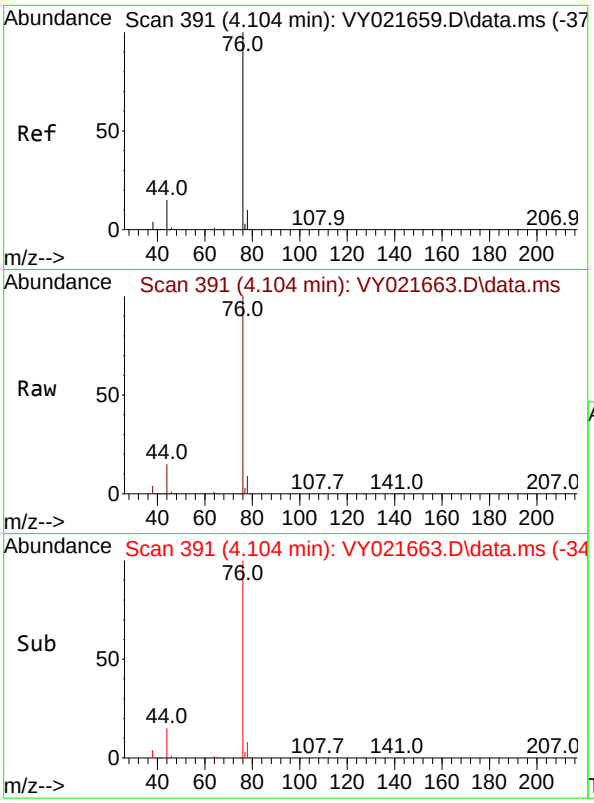


#16
Acetone
Concen: 234.856 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 125654

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.2	36.4

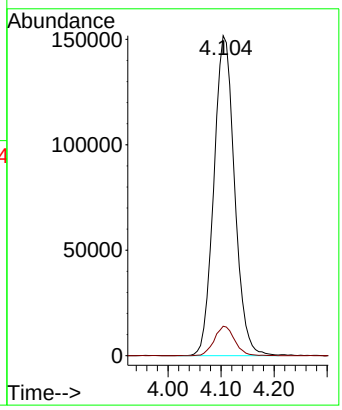




#17
Carbon Disulfide
Concen: 49.428 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 76 Resp: 41202

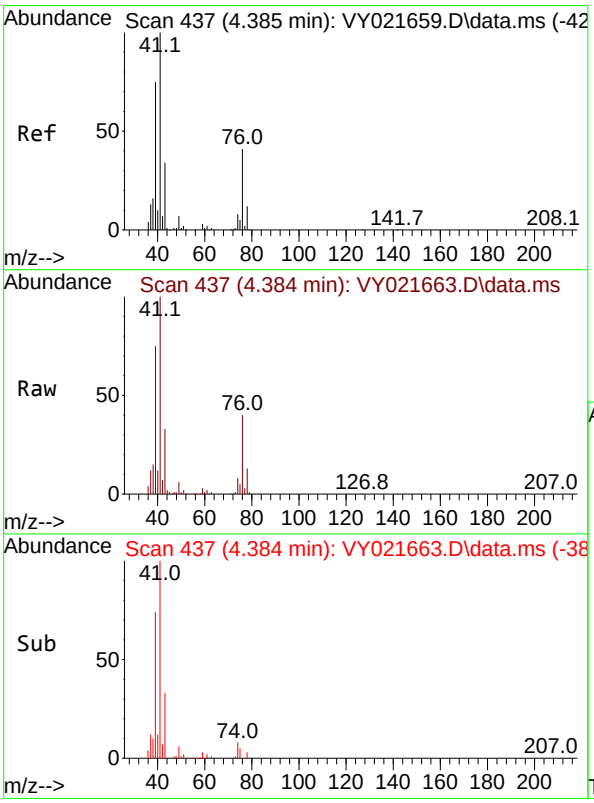
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

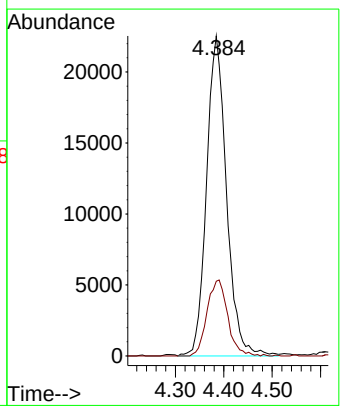
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

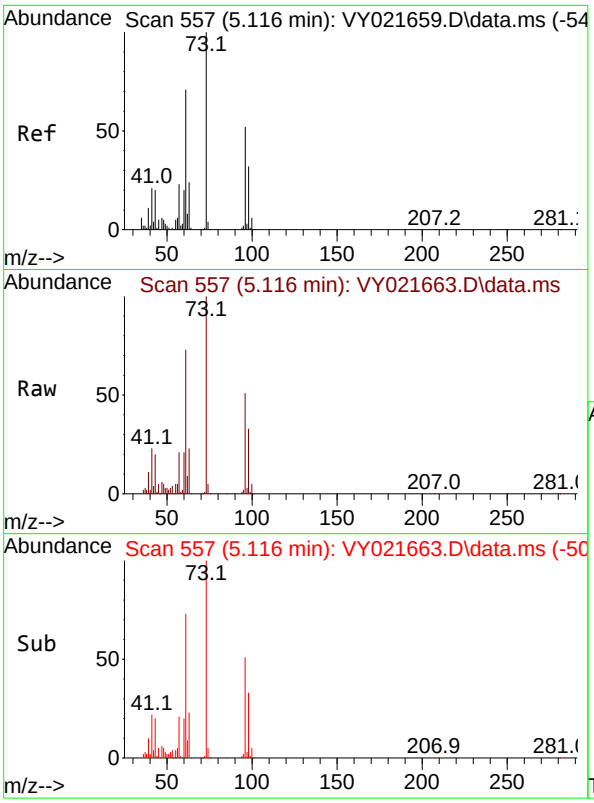


#18
Methyl Acetate
Concen: 48.703 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 64580

Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.1	28.7

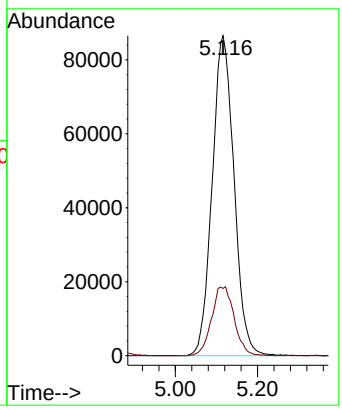




#19
Methyl tert-butyl Ether
Concen: 50.561 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 73 Resp: 31857

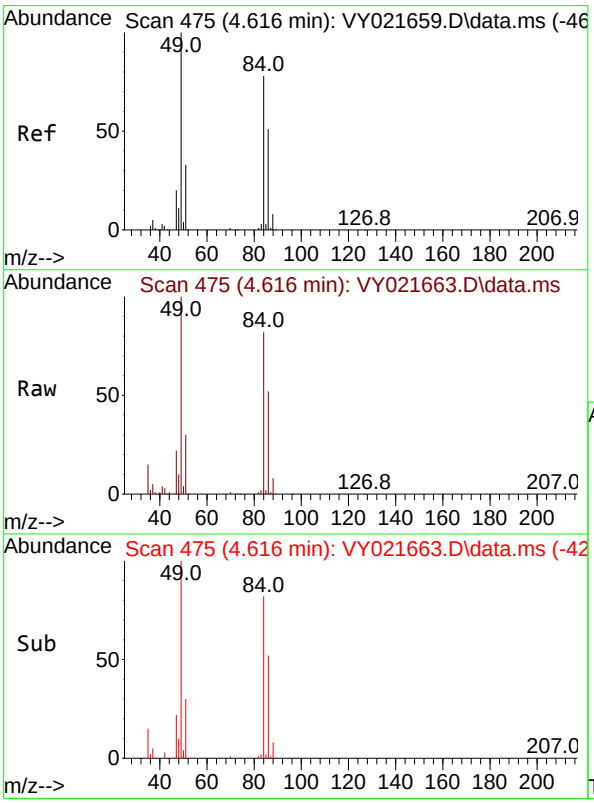
Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

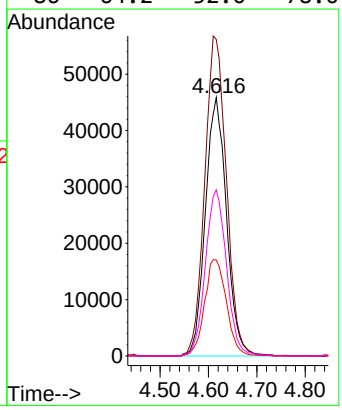
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

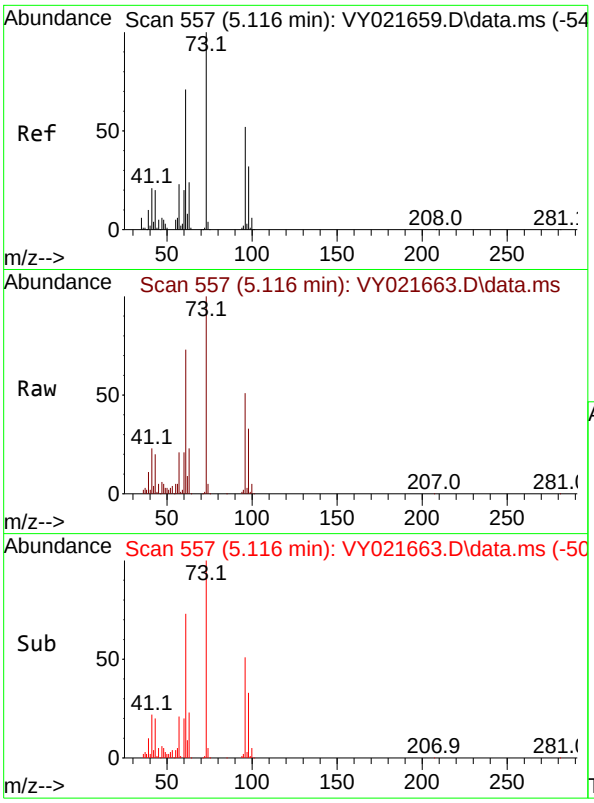


#20
Methylene Chloride
Concen: 53.536 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 84 Resp: 139443

Ion	Ratio	Lower	Upper
84	100		
49	122.3	102.8	154.2
51	37.2	33.5	50.3
86	64.2	52.0	78.0

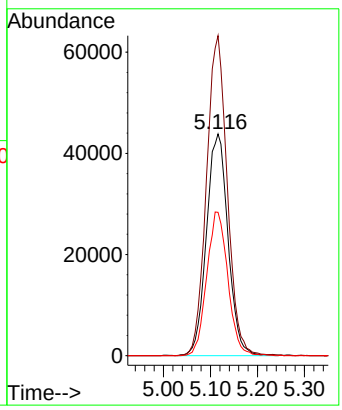




#21
trans-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 13984

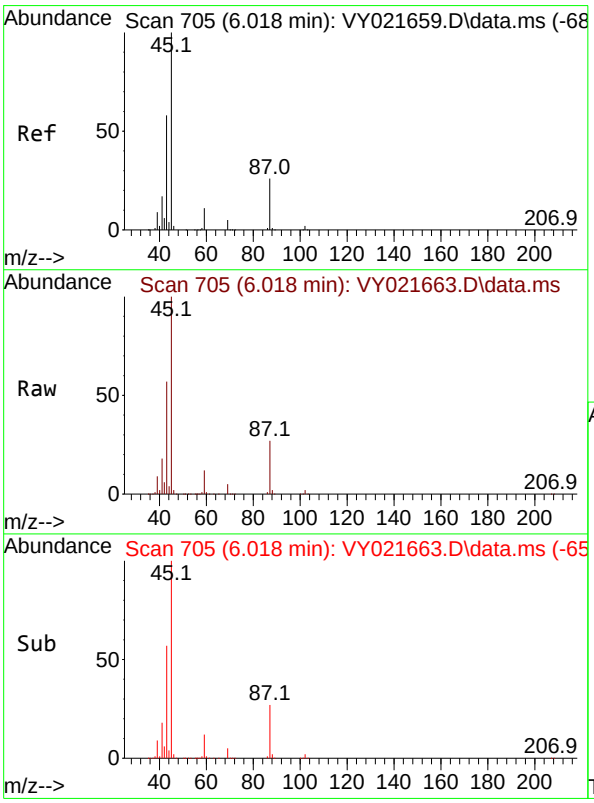
Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.4	164.0
98	64.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

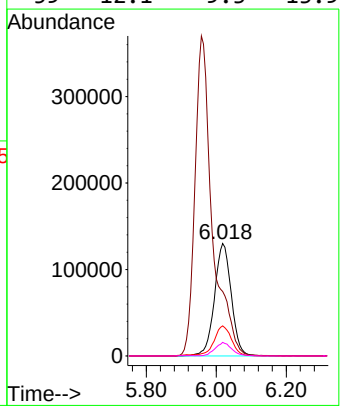
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

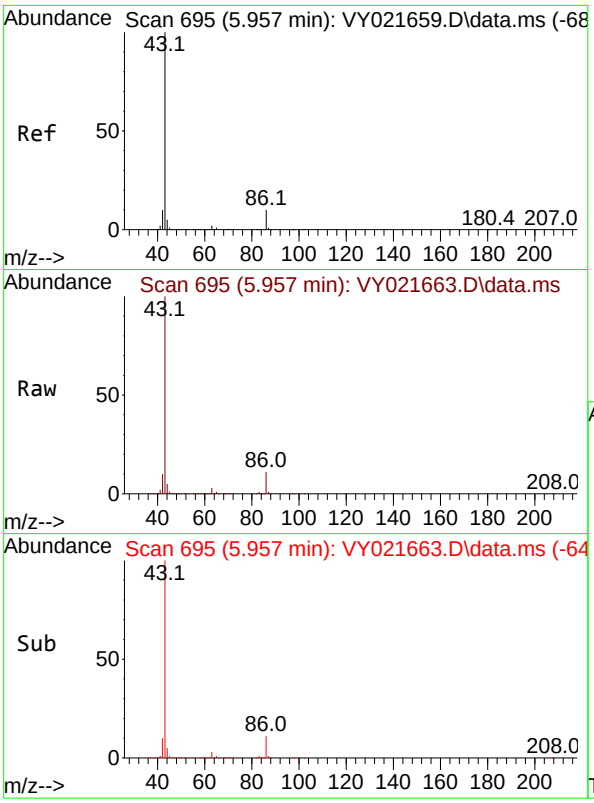


#22
Diisopropyl ether
Concen: 51.273 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 45 Resp: 434011

Ion	Ratio	Lower	Upper
45	100		
43	57.0	46.6	69.8
87	26.7	20.7	31.1
59	12.1	9.3	13.9

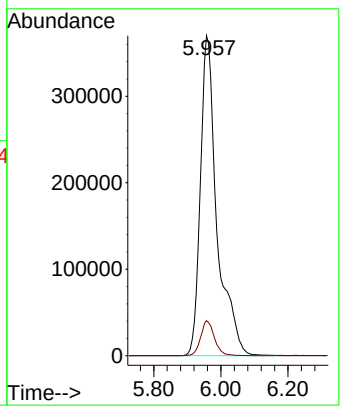




#23
Vinyl Acetate
Concen: 256.638 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 127084

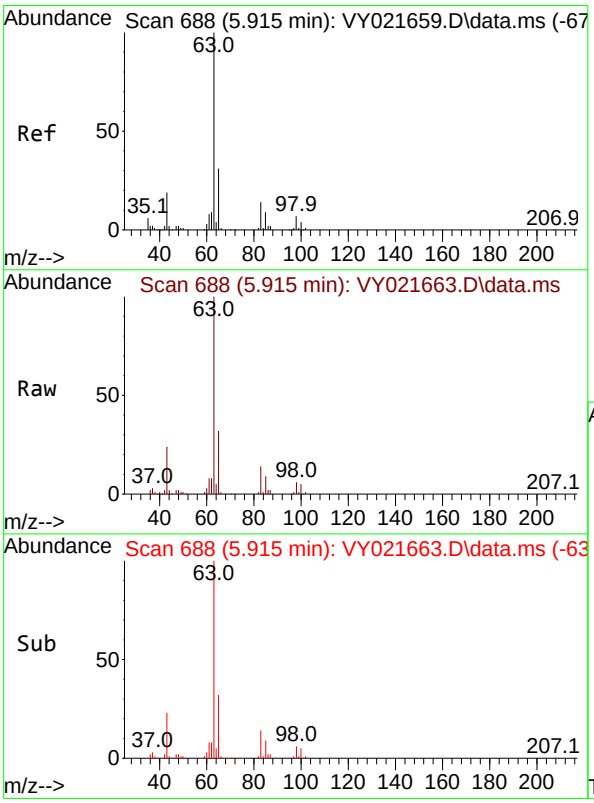
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

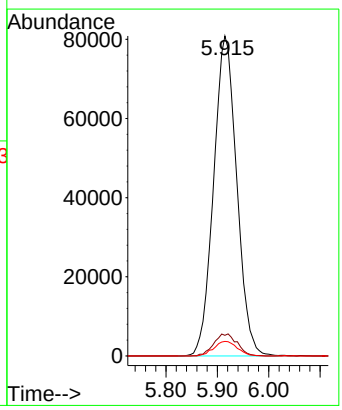
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

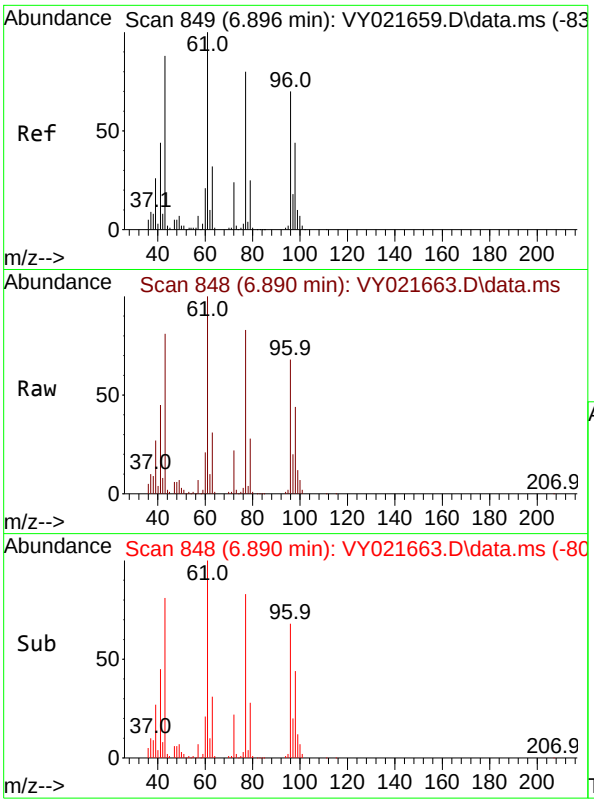


#24
1,1-Dichloroethane
Concen: 50.001 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 253080

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.6	2.2	6.6

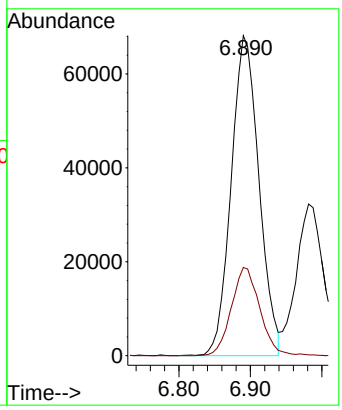




#25
2-Butanone
Concen: 240.921 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 18410

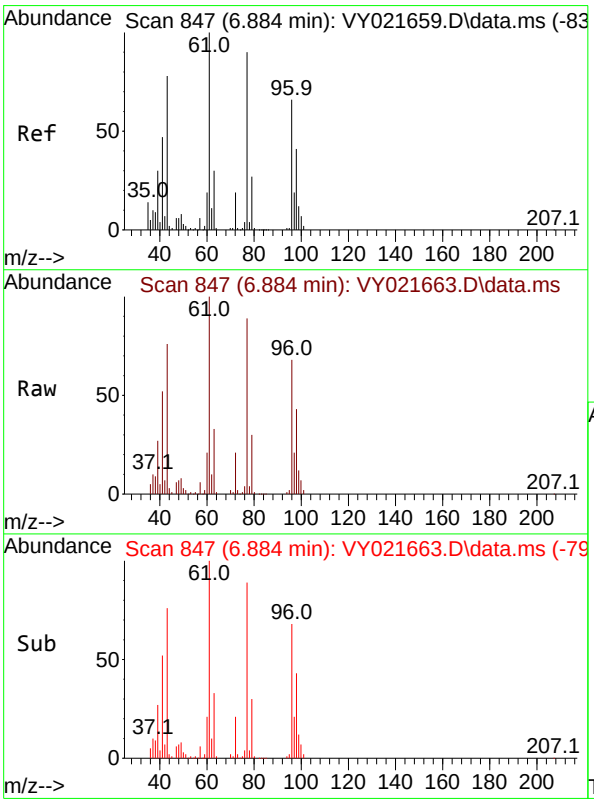
Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

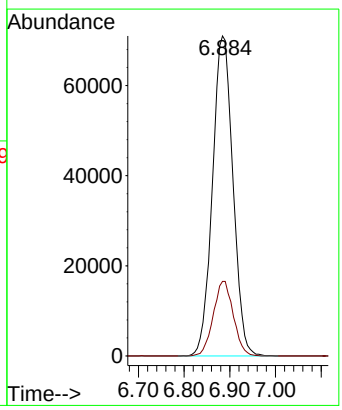
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

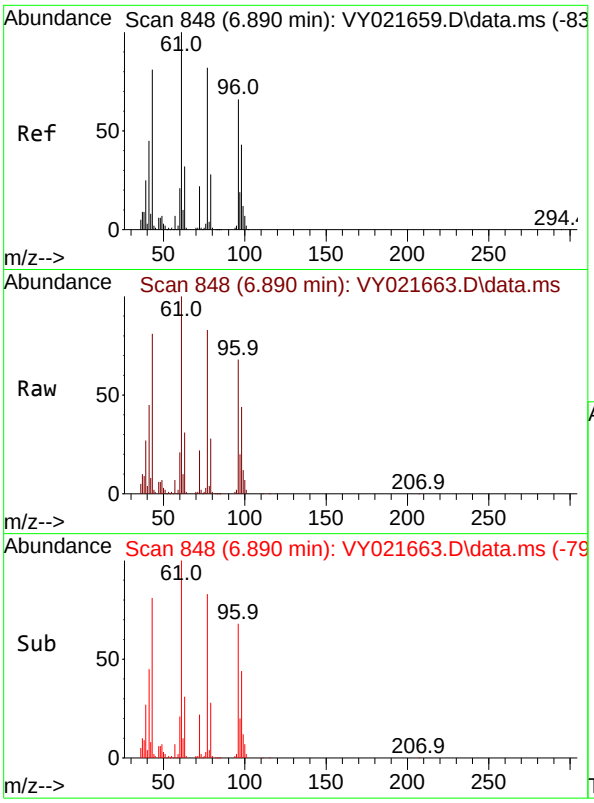


#26
2,2-Dichloropropane
Concen: 49.103 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 77 Resp: 221076

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.1	33.1

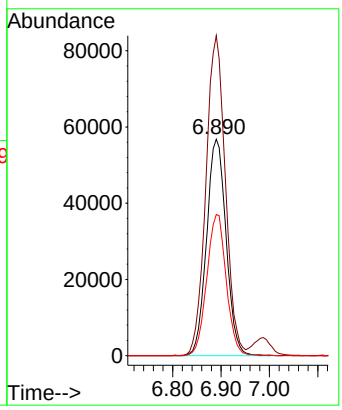




#27
cis-1,2-Dichloroethene
Concen: 50.806 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 15920

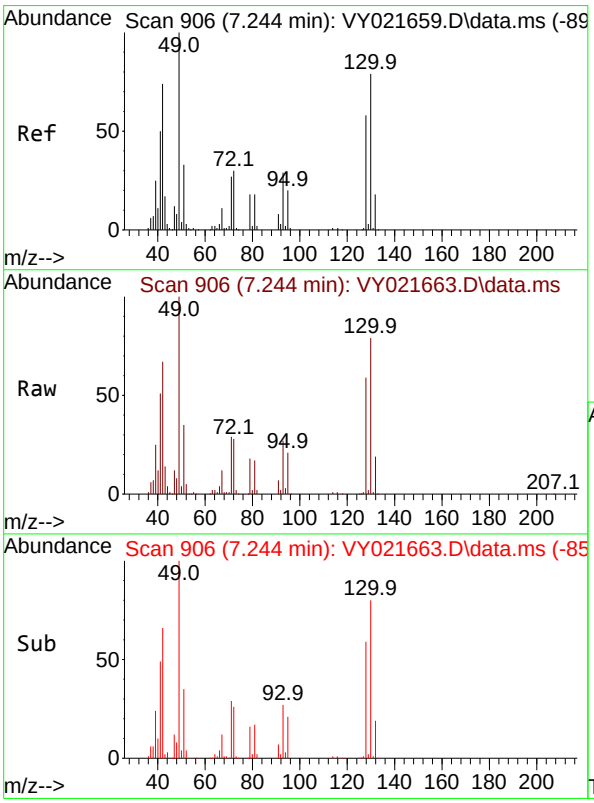
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	296.4
98	65.0	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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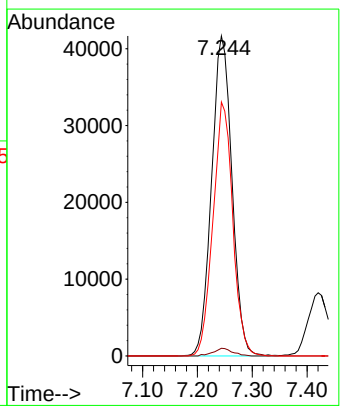
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

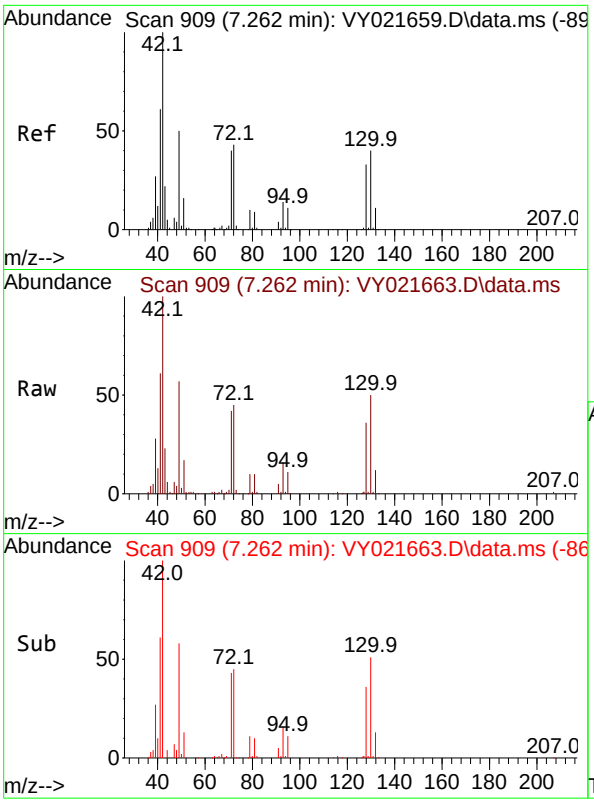


#28
Bromochloromethane
Concen: 50.360 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 49 Resp: 107500

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.8	60.1	90.1

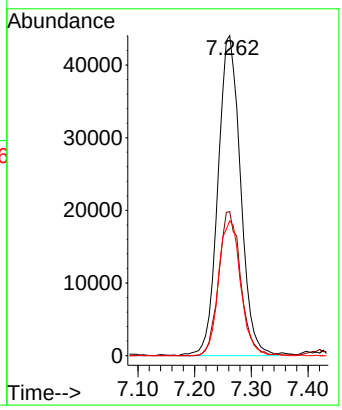




#29
Tetrahydrofuran
Concen: 247.271 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 42 Resp: 12161

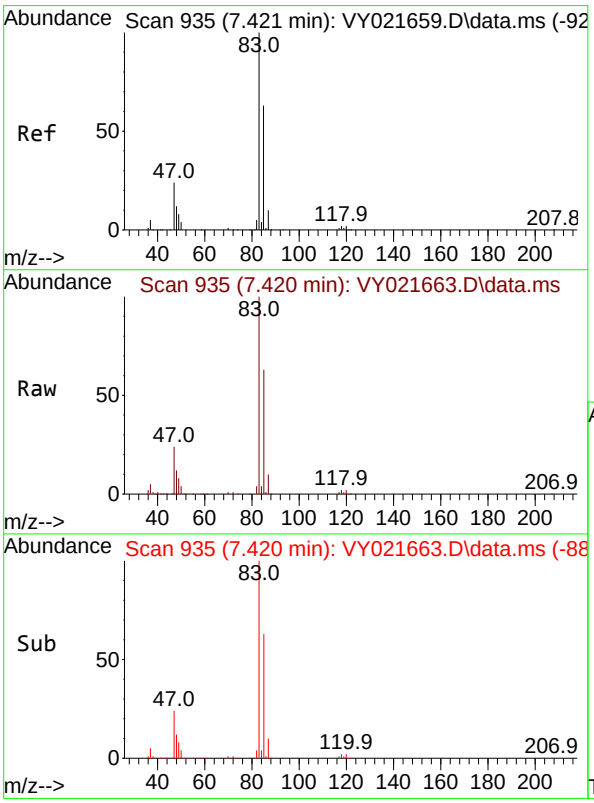
Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.6	52.0
71	41.5	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

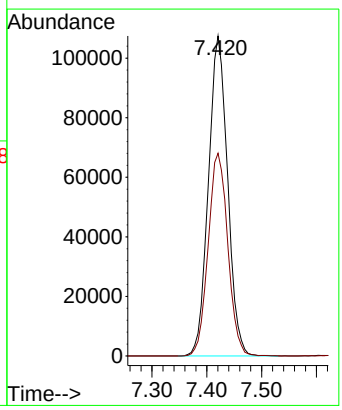
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

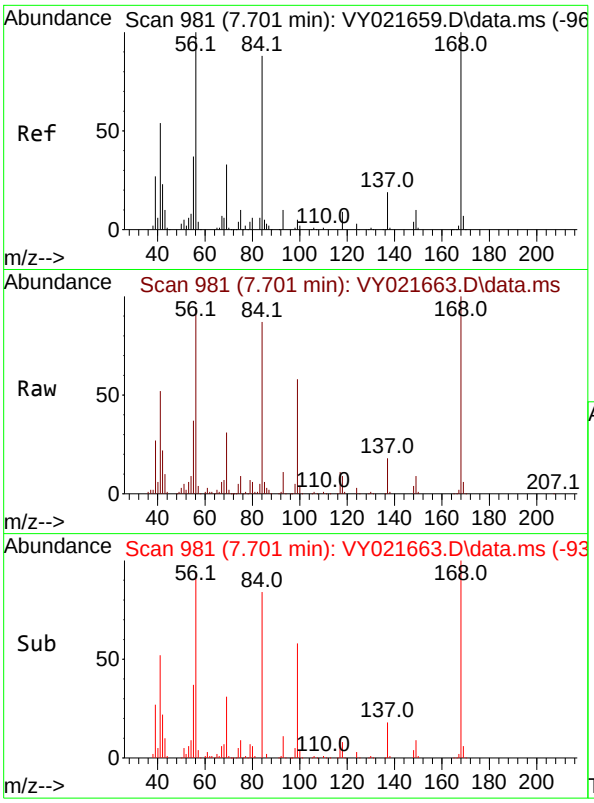


#30
Chloroform
Concen: 49.490 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 83 Resp: 260540

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8

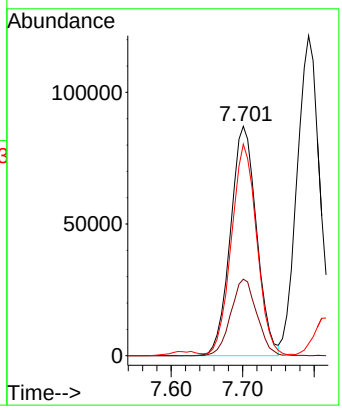




#31
Cyclohexane
Concen: 47.844 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 56 Resp: 22074

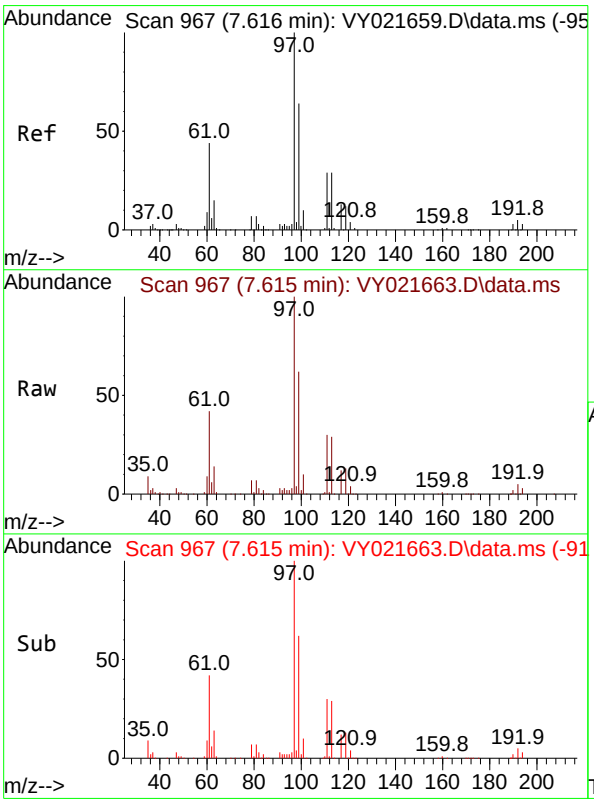
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	90.4	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

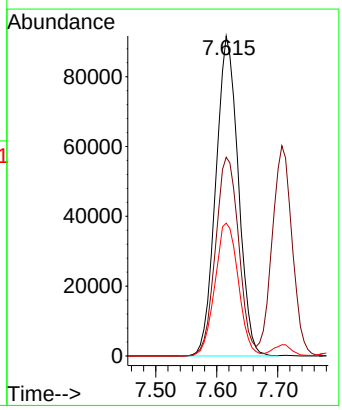
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

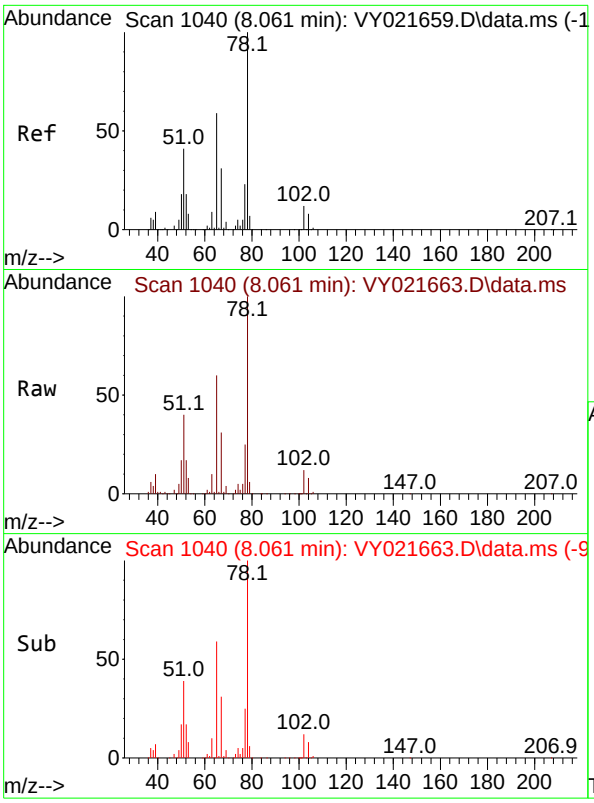


#32
1,1,1-Trichloroethane
Concen: 49.319 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 97 Resp: 234663

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.4	35.2	52.8

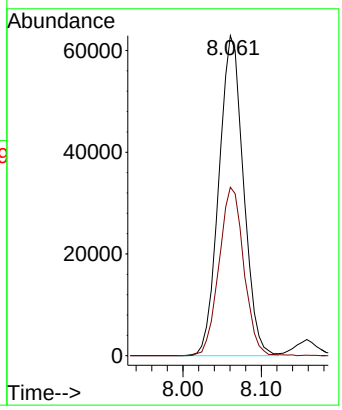




#33
1,2-Dichloroethane-d4
Concen: 52.553 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 65 Resp: 13738

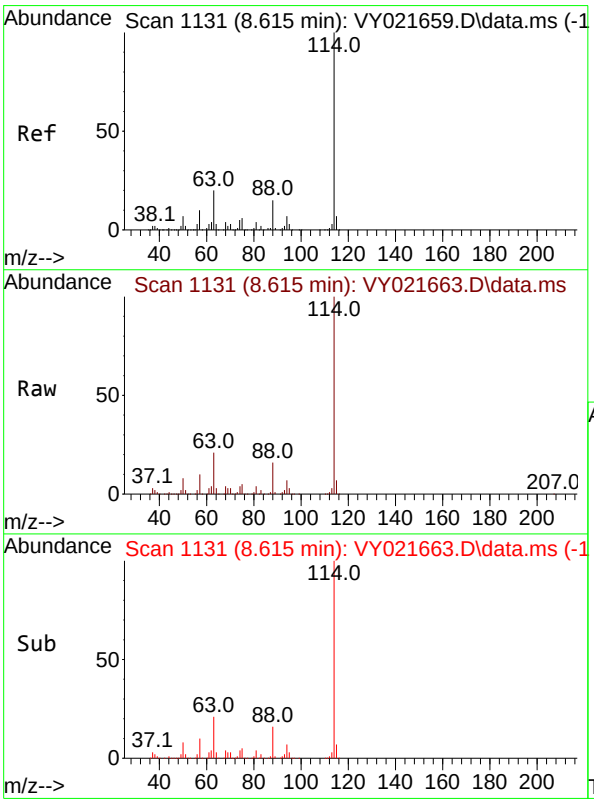
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

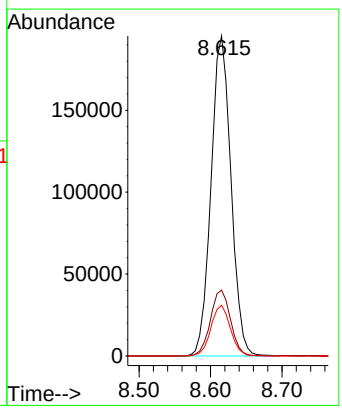
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

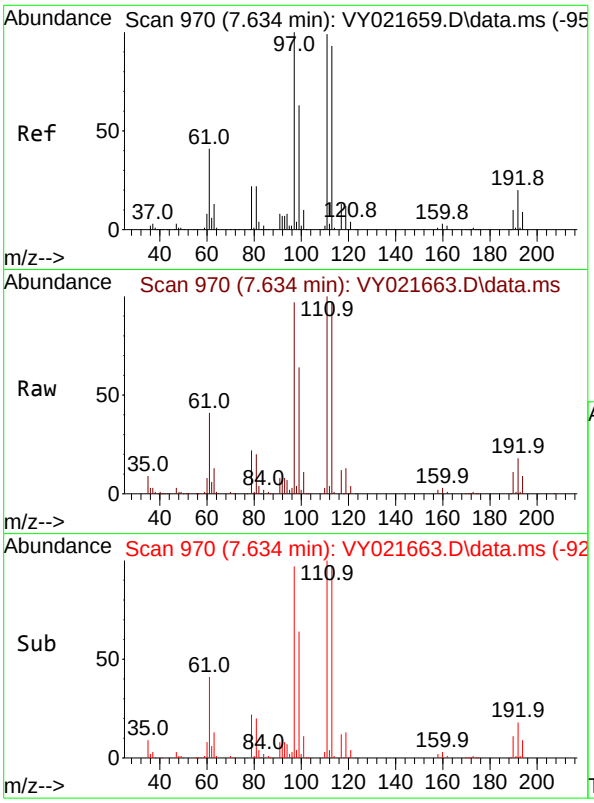


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:114 Resp: 378246

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.9	0.0	29.8

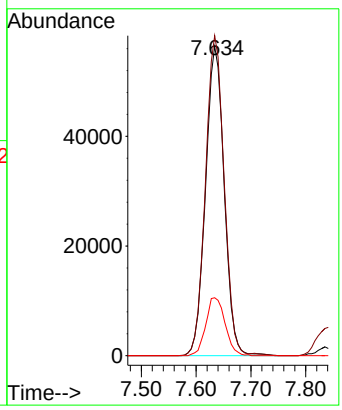




#35
Dibromofluoromethane
Concen: 54.243 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:113 Resp: 13309

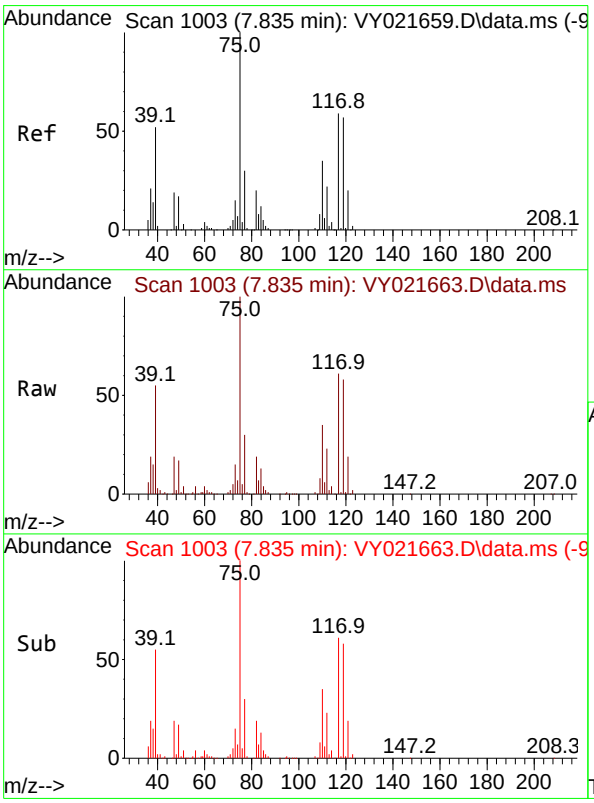
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	19.5	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

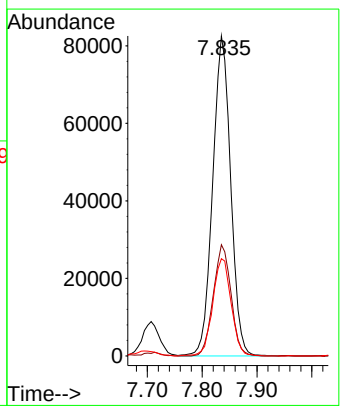
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

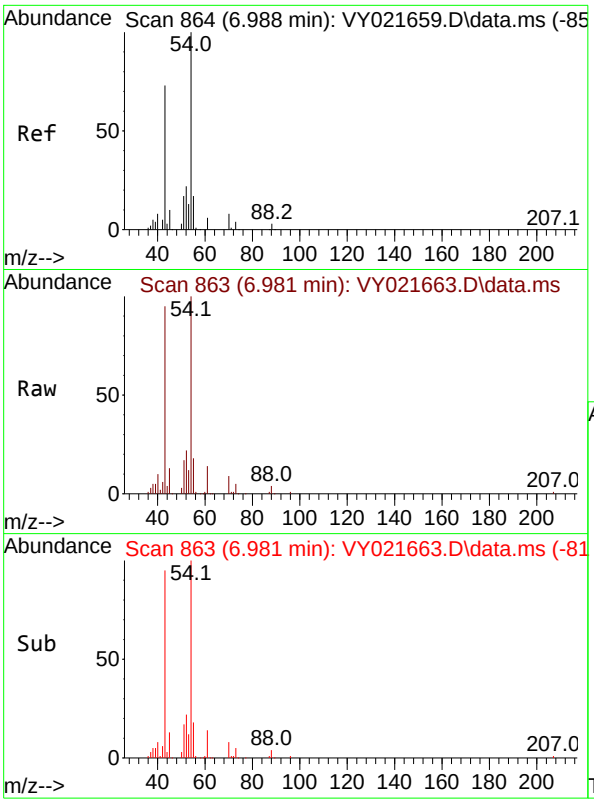


#36
1,1-Dichloropropene
Concen: 50.326 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 188082

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	31.1	24.8	37.2





#37
Ethyl Acetate
Concen: 49.145 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

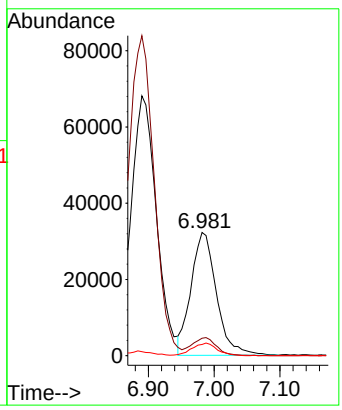
Tgt Ion: 43 Resp: 8668

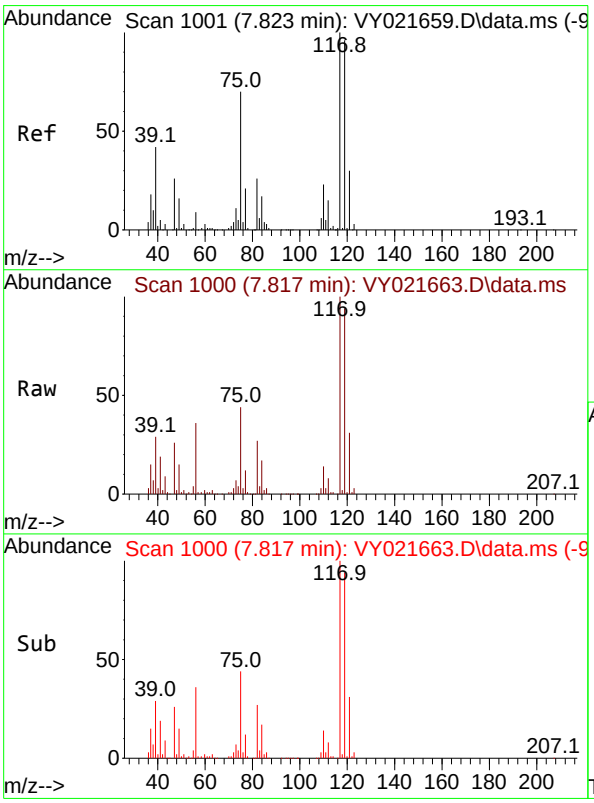
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

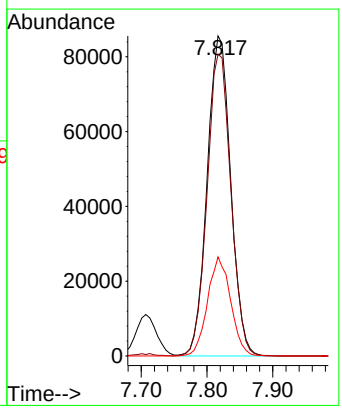


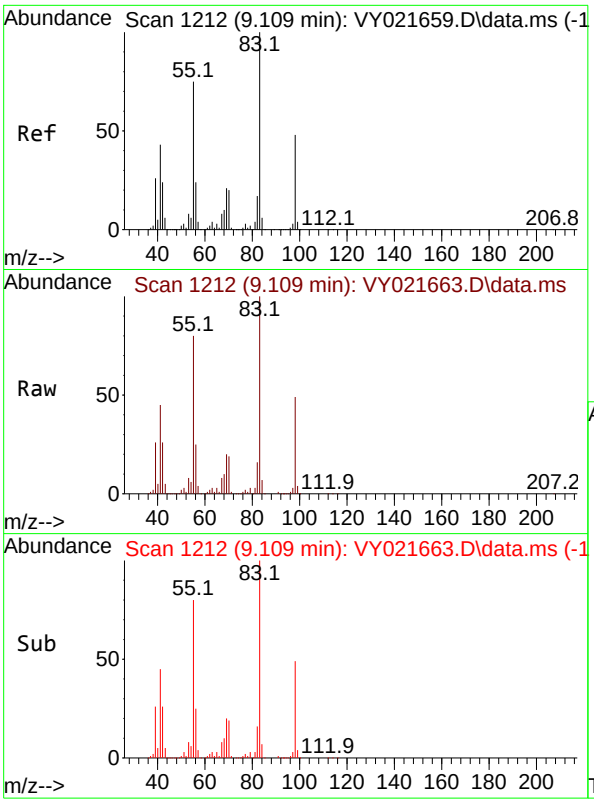


#38
Carbon Tetrachloride
Concen: 49.814 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 213223

Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.2	114.4
121	30.9	24.2	36.4





#39
Methylcyclohexane
Concen: 51.843 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

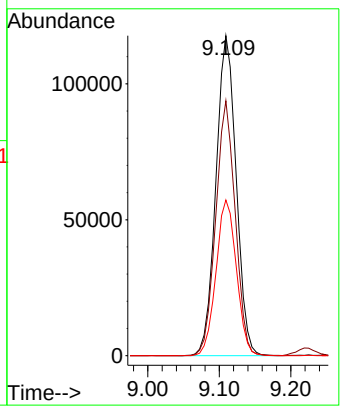
Tgt Ion: 83 Resp: 23145

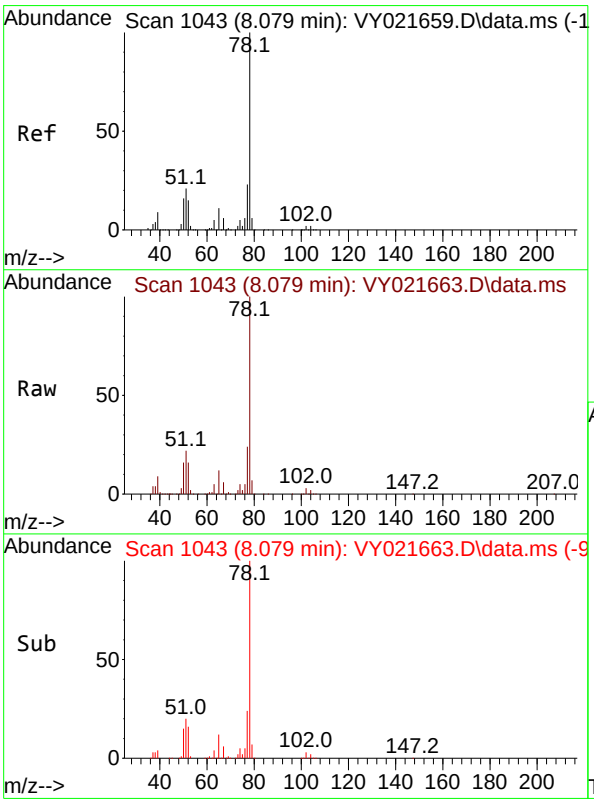
Ion	Ratio	Lower	Upper
83	100		
55	79.6	59.7	89.5
98	48.7	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

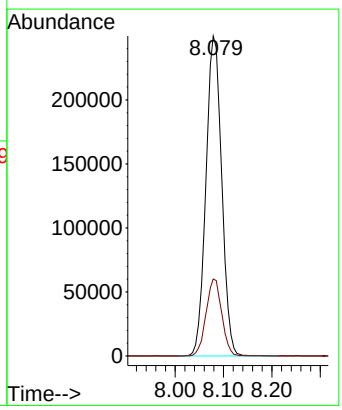


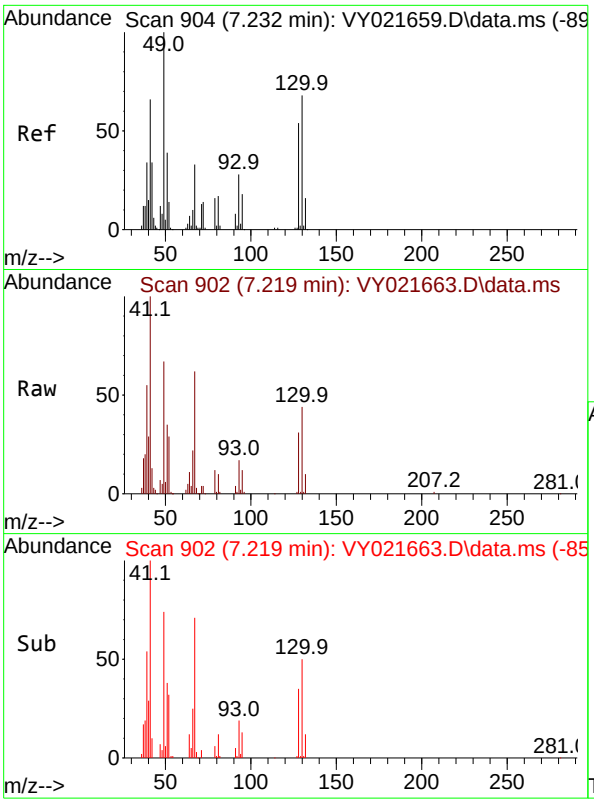


#40
Benzene
Concen: 50.574 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 78 Resp: 566027

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

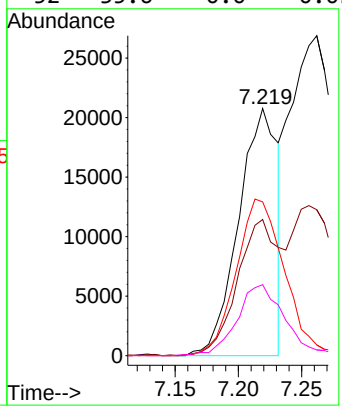




#41
Methacrylonitrile
Concen: 47.475 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 4446

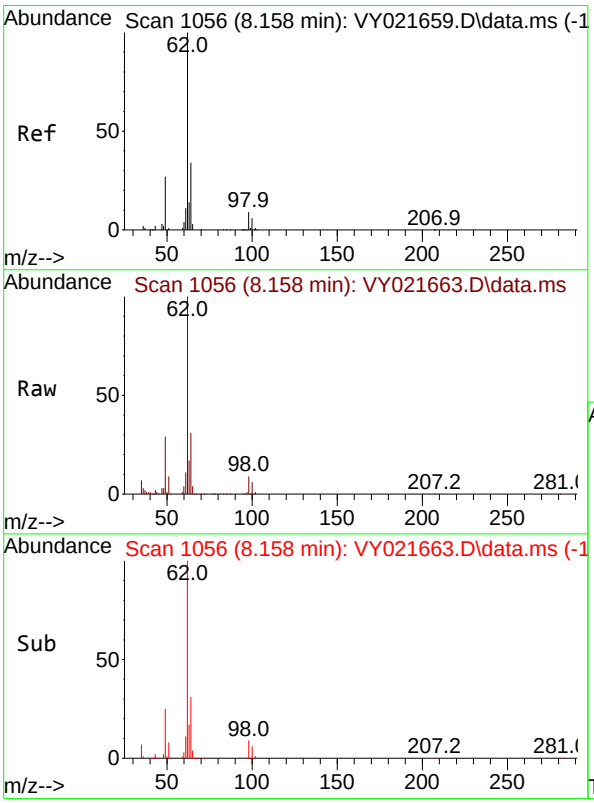
Ion	Ratio	Lower	Upper
41	100		
39	62.6	0.0	0.0#
67	79.2	0.0	0.0#
52	35.6	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

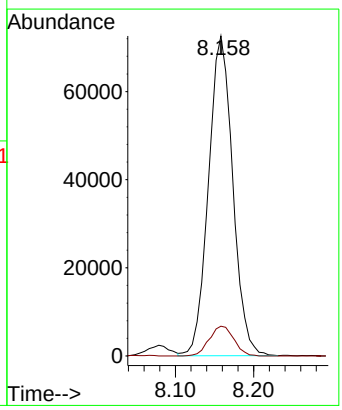
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

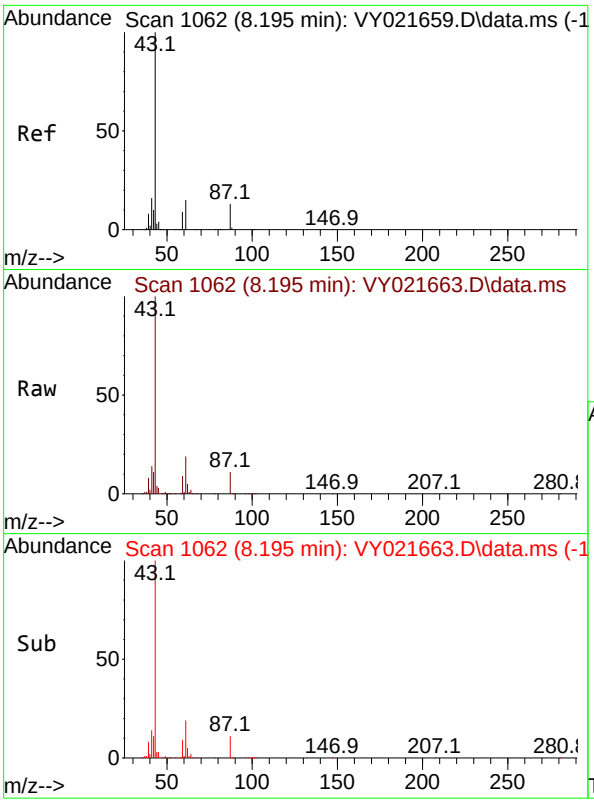


#42
1,2-Dichloroethane
Concen: 49.556 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 156359

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

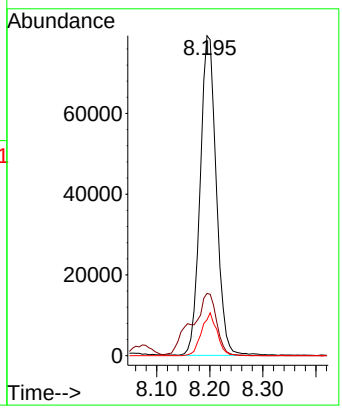




#43
Isopropyl Acetate
Concen: 50.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 16747

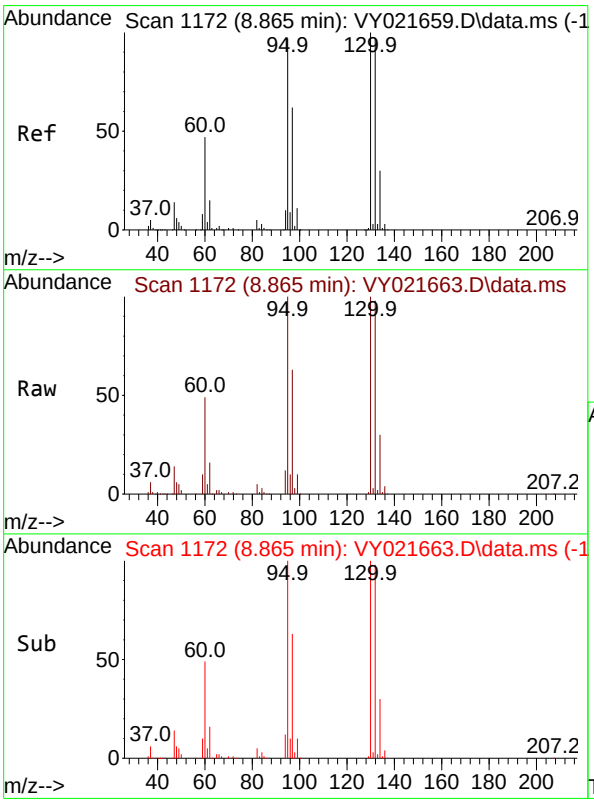
Ion	Ratio	Lower	Upper
43	100		
61	30.0	15.9	23.9#
87	13.0	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

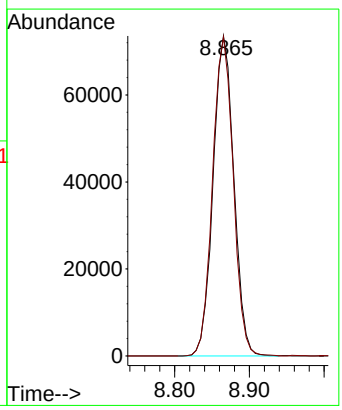
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

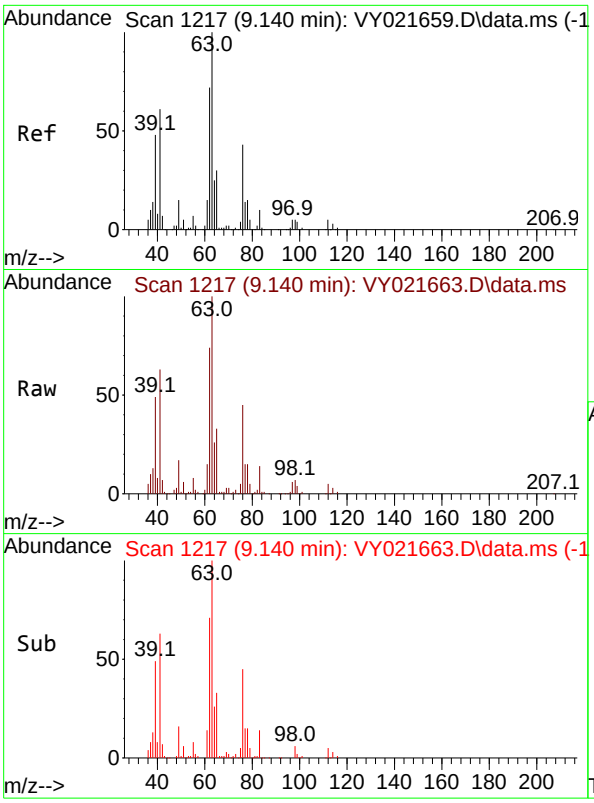


#44
Trichloroethene
Concen: 49.933 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:130 Resp: 142392

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	194.8

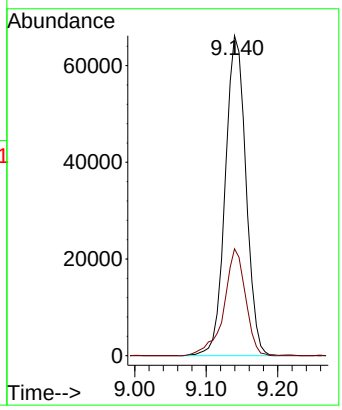




#45
1,2-Dichloropropane
Concen: 50.158 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 13288

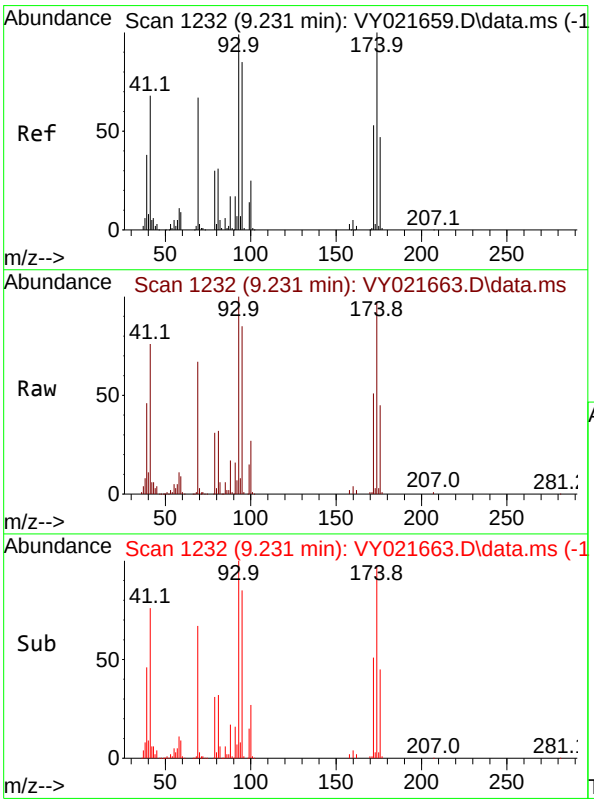
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

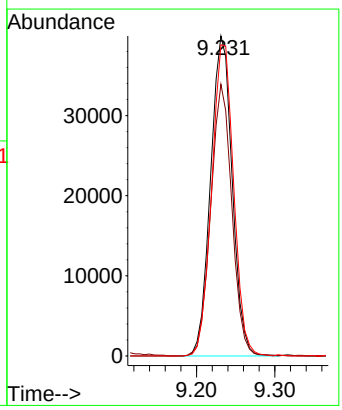
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

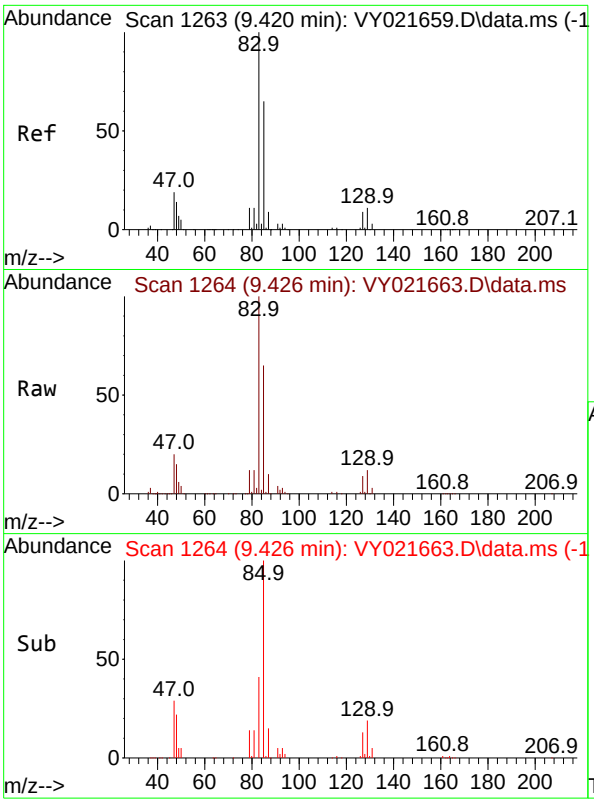


#46
Dibromomethane
Concen: 50.052 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 93 Resp: 76421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.1	102.1
174	99.0	80.9	121.3

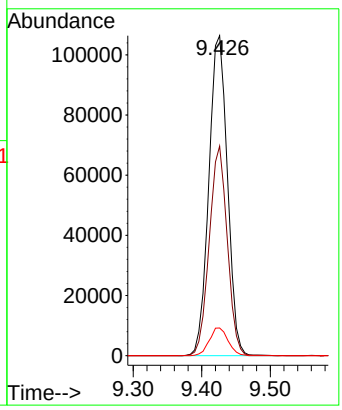




#47
Bromodichloromethane
Concen: 50.530 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 83 Resp: 19991

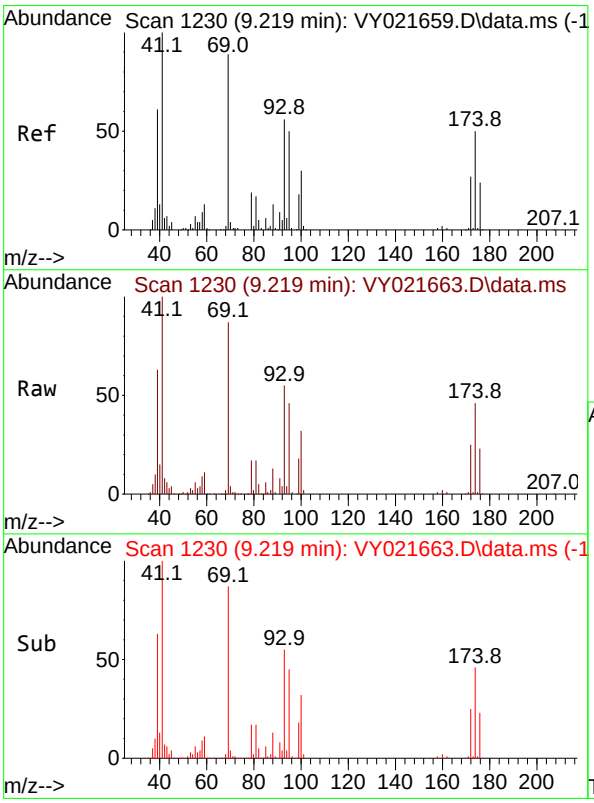
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	8.7	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

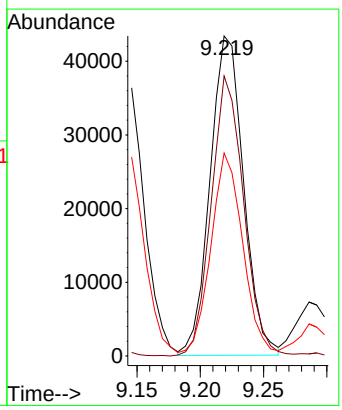
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

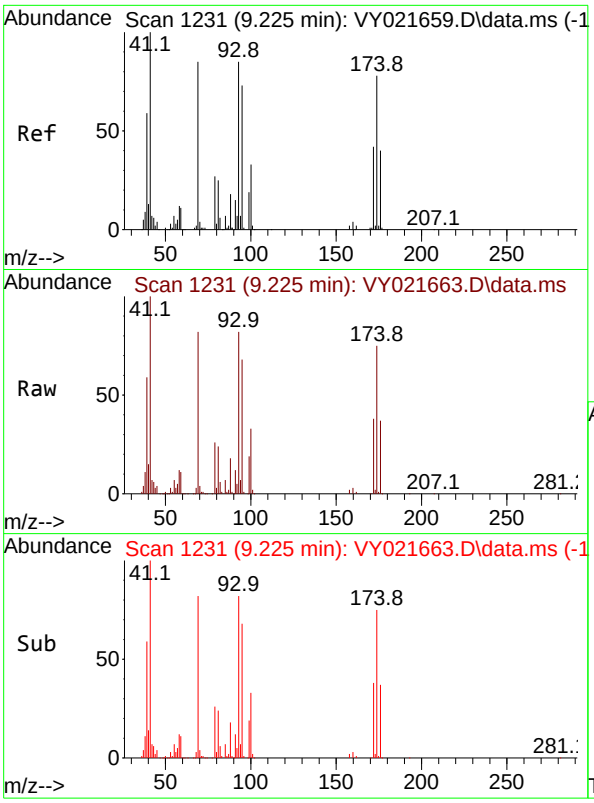


#48
Methyl methacrylate
Concen: 52.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 79887

Ion	Ratio	Lower	Upper
41	100		
69	84.8	69.8	104.8
39	58.6	47.2	70.8

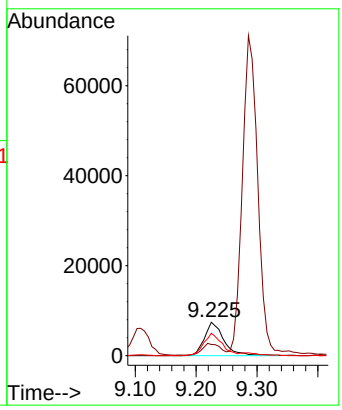




#49
1,4-Dioxane
Concen: 1006.593 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 88 Resp: 1646

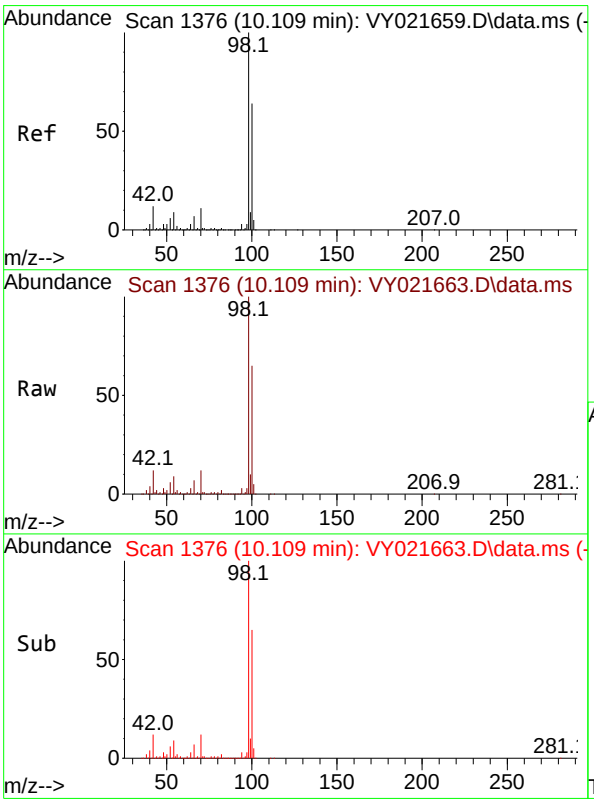
Ion	Ratio	Lower	Upper
88	100		
43	32.8	28.8	43.2
58	63.4	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

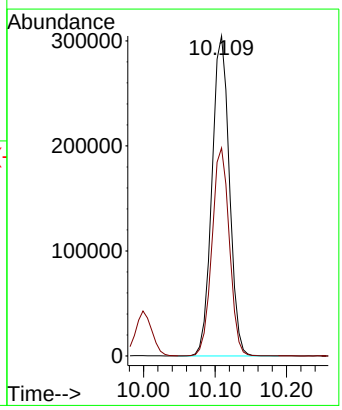
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

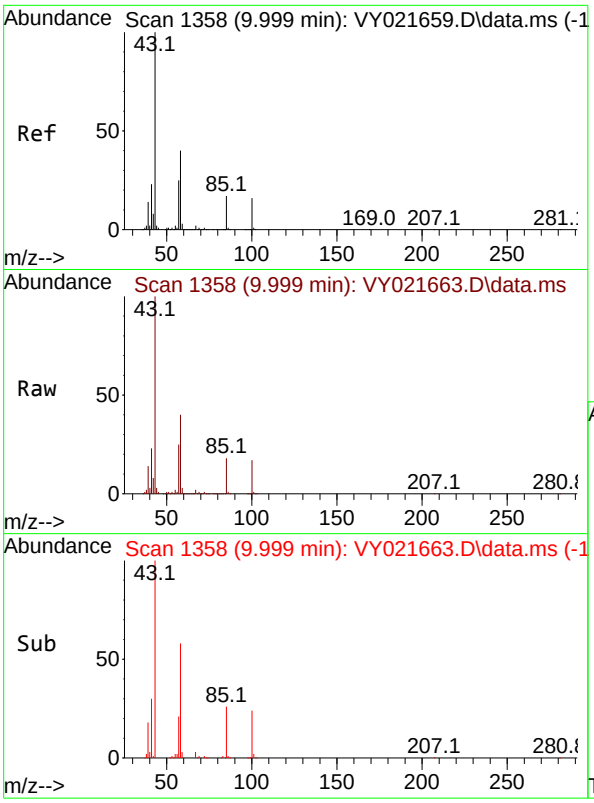


#50
Toluene-d8
Concen: 55.117 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 98 Resp: 514482

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

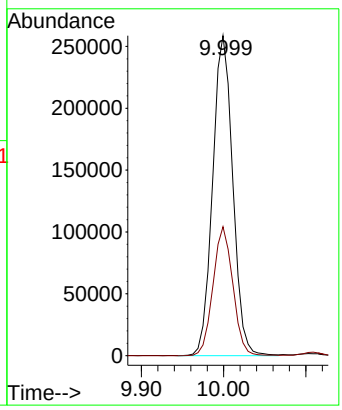




#51
4-Methyl-2-Pentanone
Concen: 252.890 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 43987

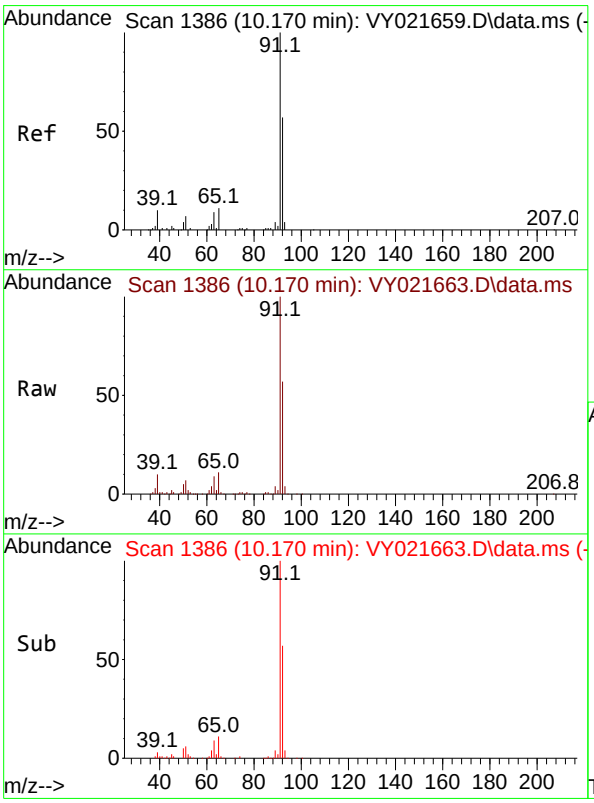
Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

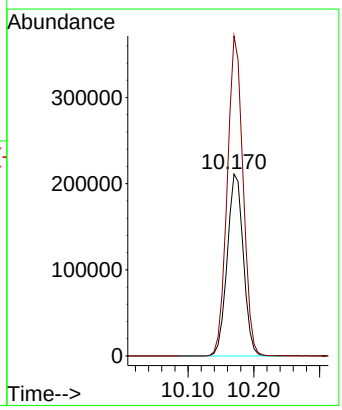
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

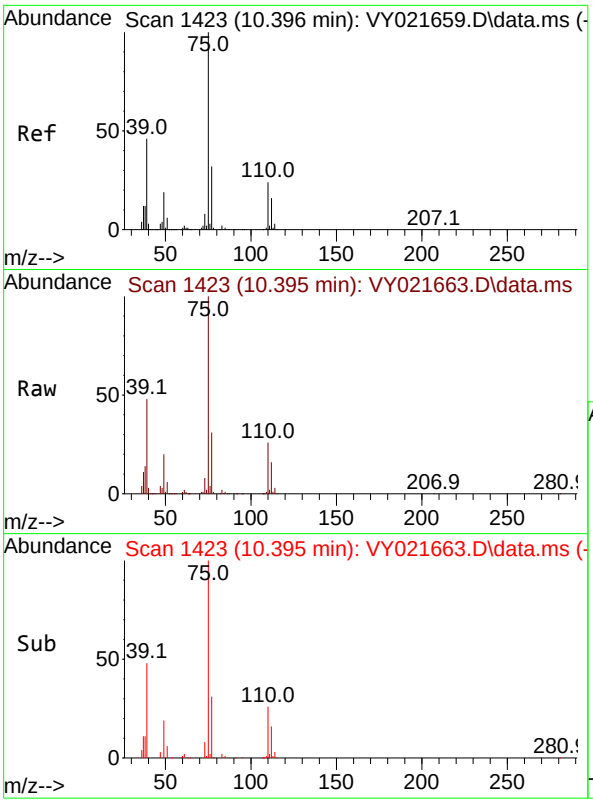


#52
Toluene
Concen: 51.555 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 92 Resp: 360002

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8

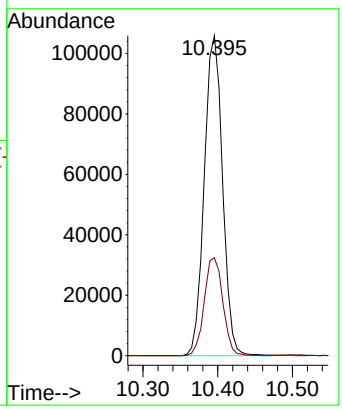




#53
t-1,3-Dichloropropene
Concen: 51.152 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 17975

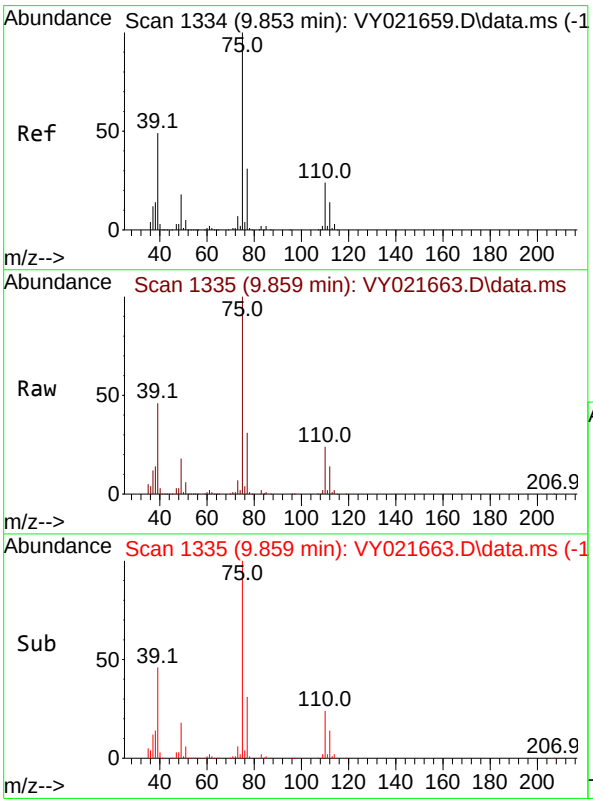
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

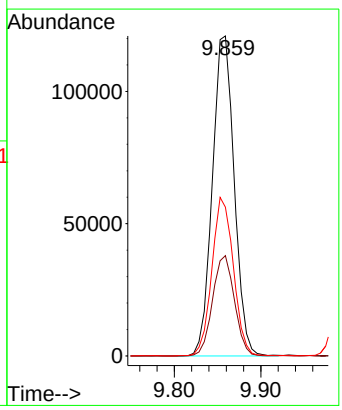
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

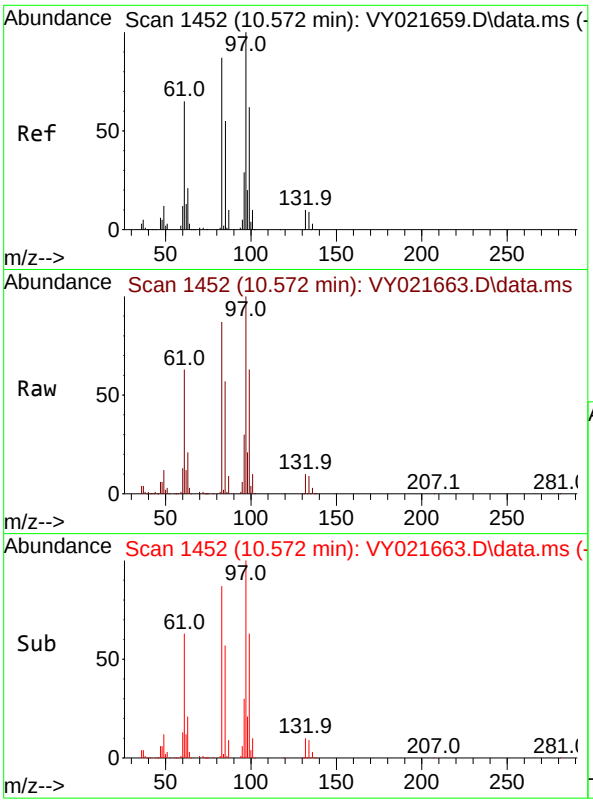


#54
cis-1,3-Dichloropropene
Concen: 51.154 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 212066

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3
39	46.4	39.2	58.8

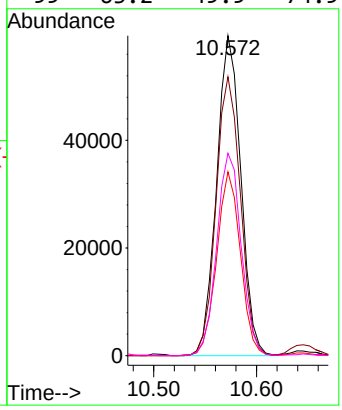




#55
1,1,2-Trichloroethane
Concen: 49.656 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 97 Resp: 9756

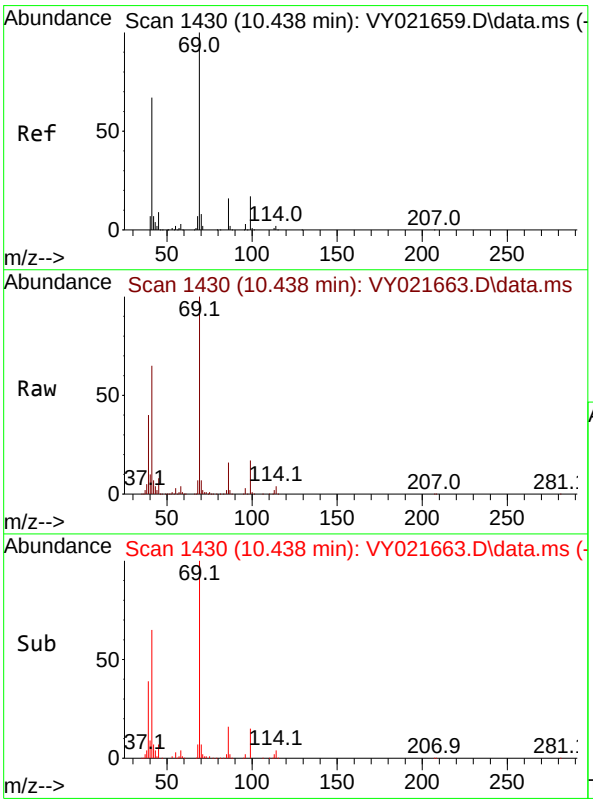
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.5	104.3
85	57.4	43.9	65.9
99	63.2	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

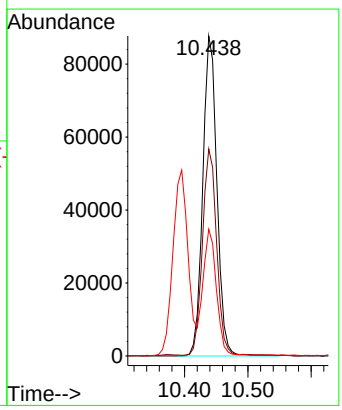
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

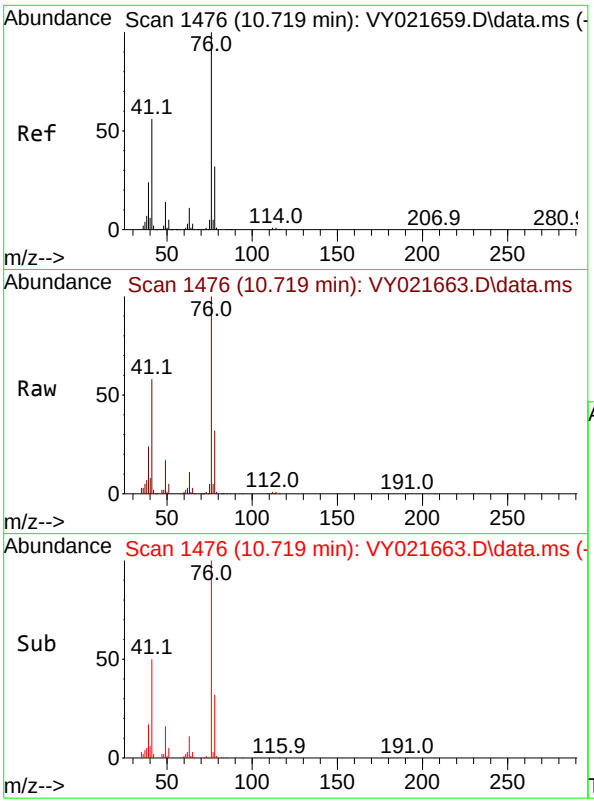


#56
Ethyl methacrylate
Concen: 54.371 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 69 Resp: 136411

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.8	80.6
39	37.0	29.6	44.4

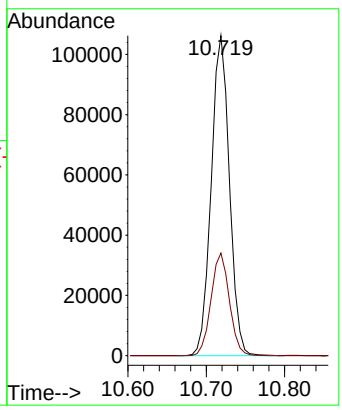




#57
1,3-Dichloropropane
Concen: 50.563 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 76 Resp: 17157

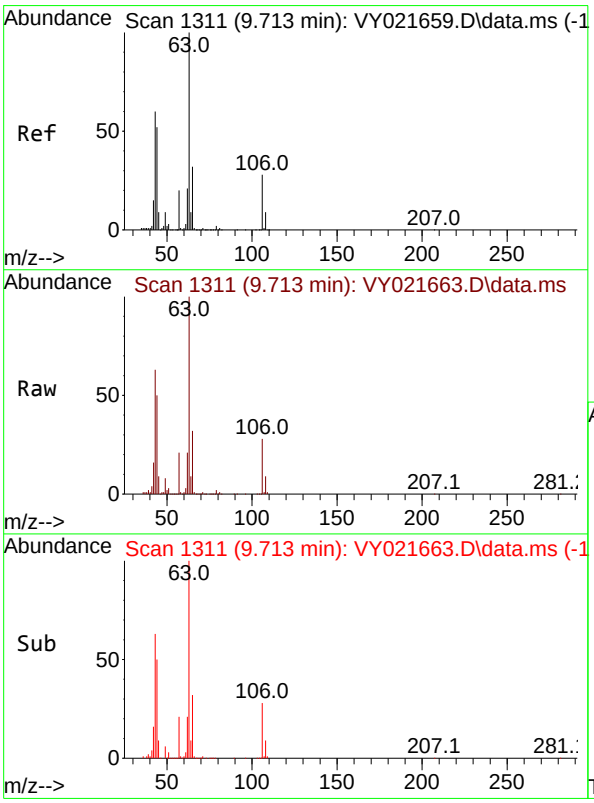
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

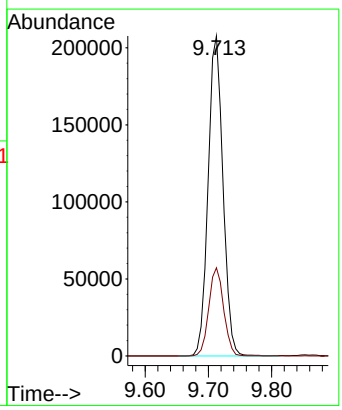
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

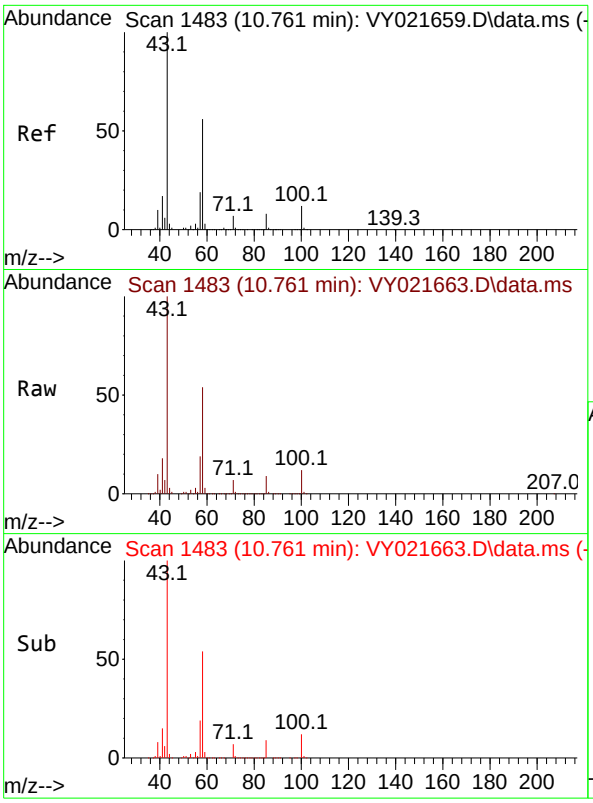


#58
2-Chloroethyl Vinyl ether
Concen: 276.714 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 338673

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.4	33.6

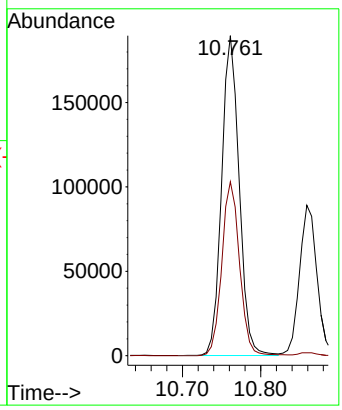




#59
2-Hexanone
Concen: 255.065 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 29547

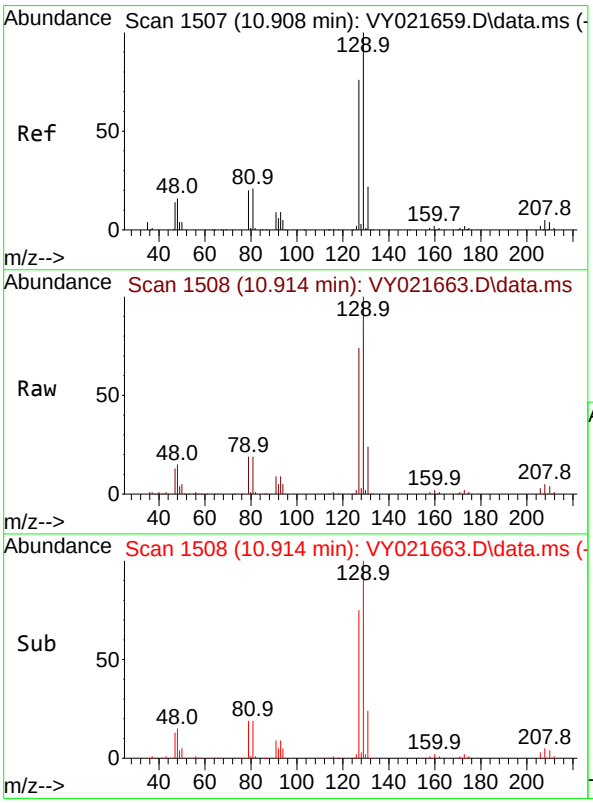
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

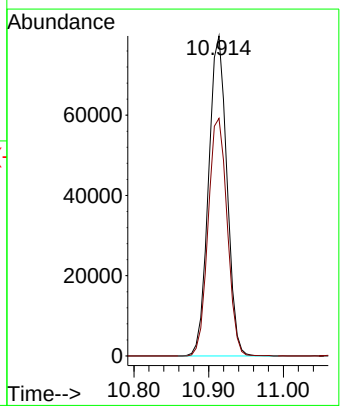
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

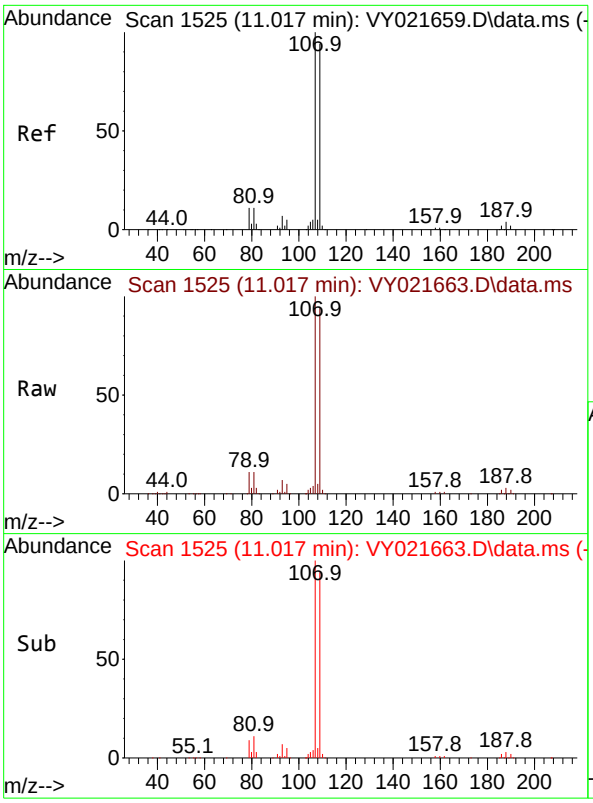


#60
Dibromochloromethane
Concen: 50.679 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:129 Resp: 135955

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7

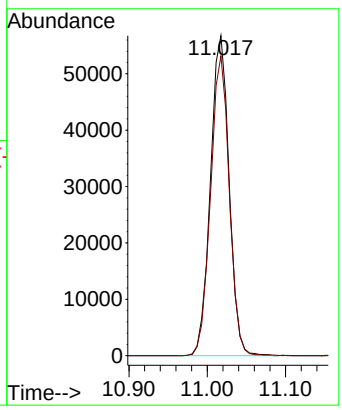




#61
1,2-Dibromoethane
Concen: 50.970 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:107 Resp: 9394

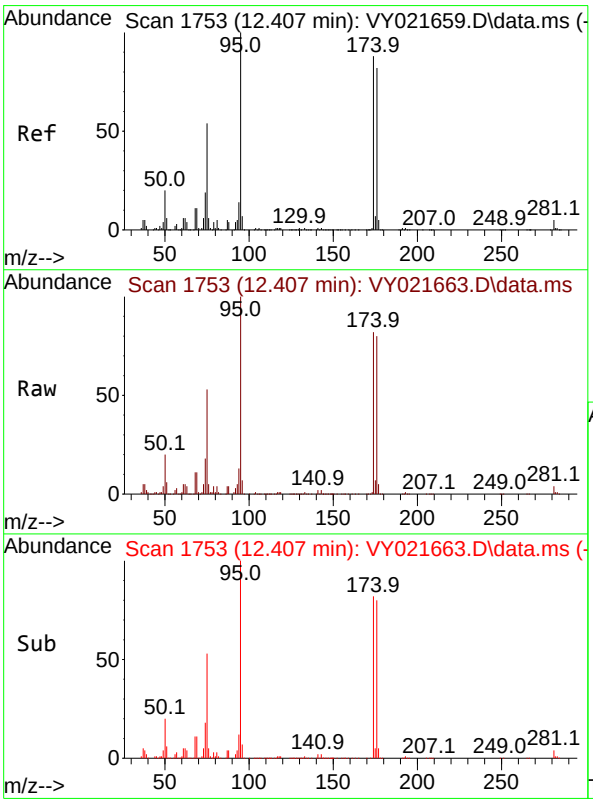
Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

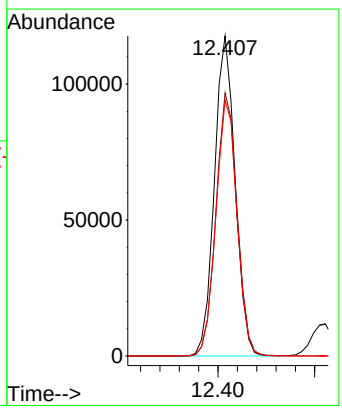
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

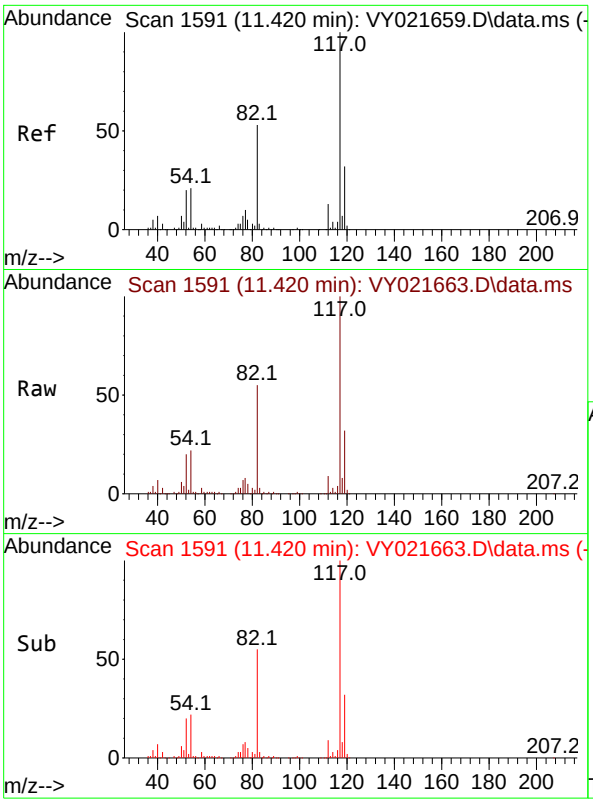


#62
4-Bromofluorobenzene
Concen: 55.339 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 95 Resp: 174721

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	81.4	0.0	162.0

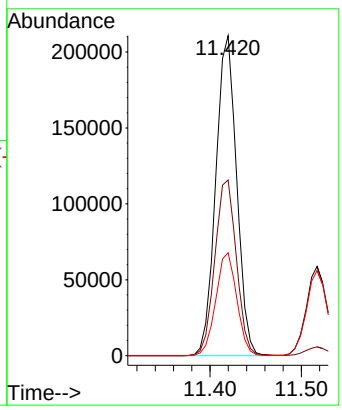




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 33506

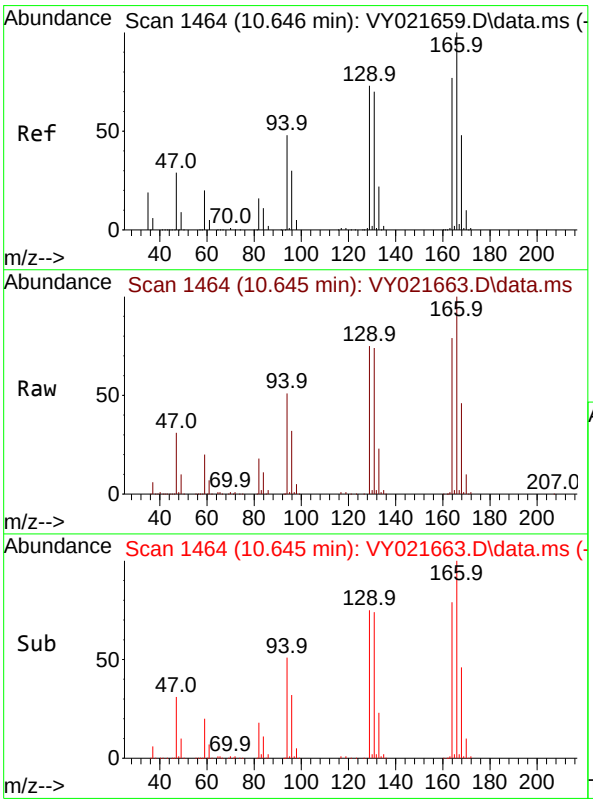
Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.8	64.2
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

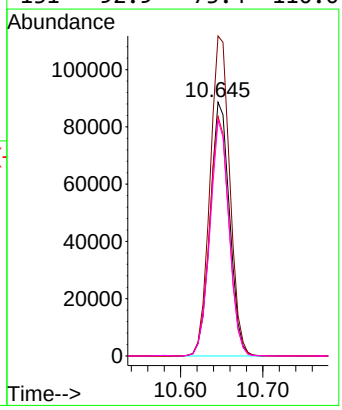
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

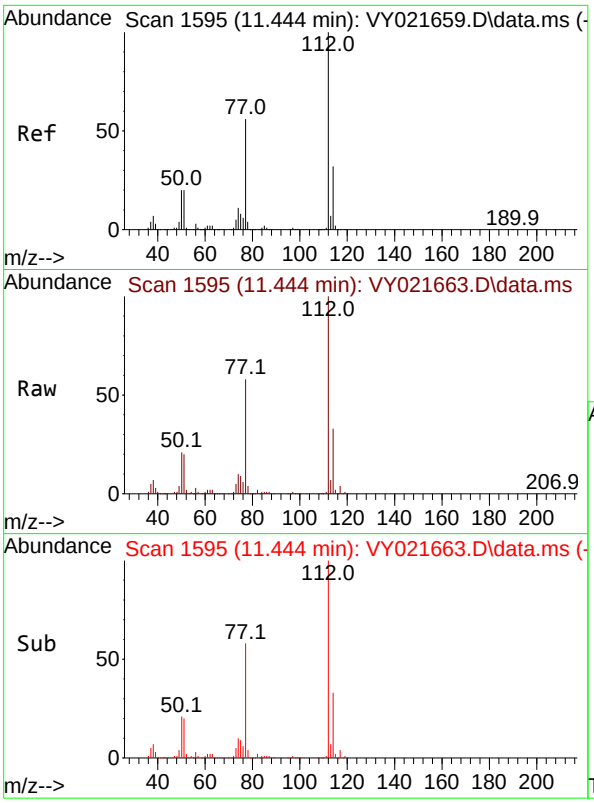


#64
Tetrachloroethene
Concen: 47.757 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:164 Resp: 145736

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.6	156.8
129	94.4	76.6	114.8
131	92.9	73.4	110.0

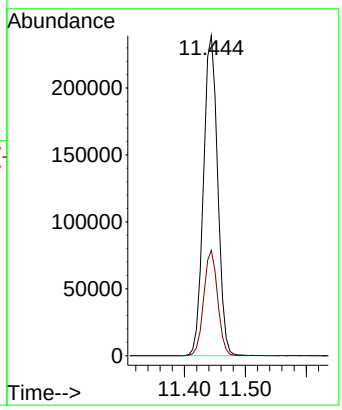




#65
Chlorobenzene
Concen: 50.384 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:112 Resp: 38698

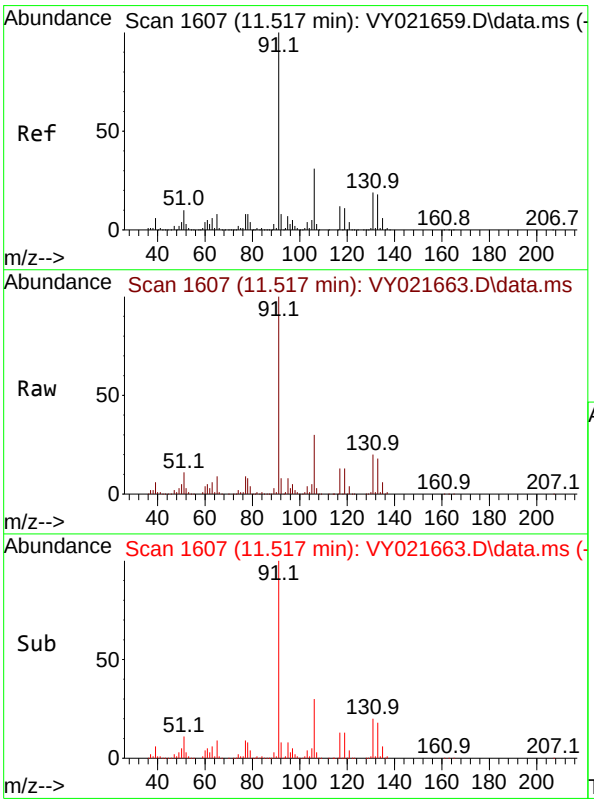
Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

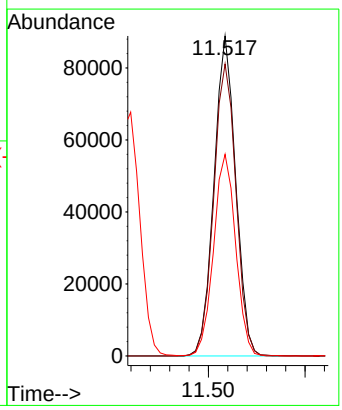
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

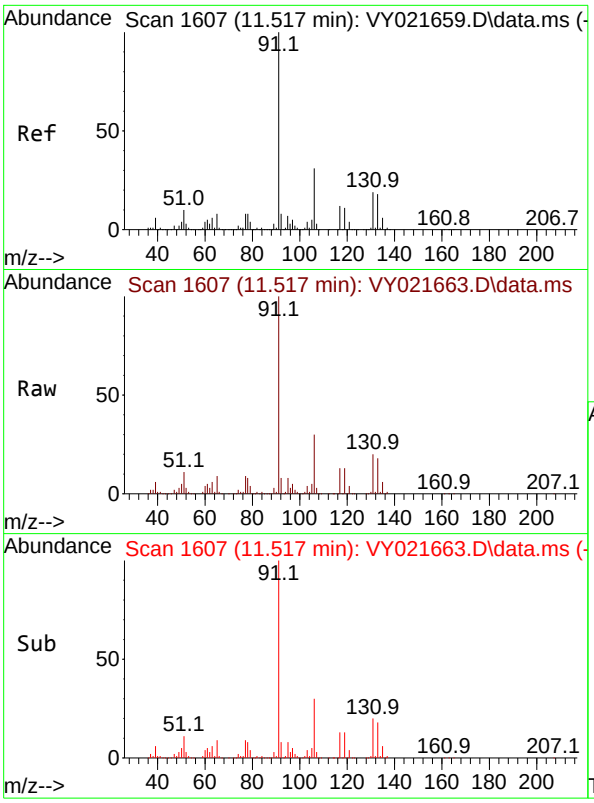


#66
1,1,1,2-Tetrachloroethane
Concen: 50.802 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:131 Resp: 138442

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.3	141.8
119	64.1	31.6	95.0

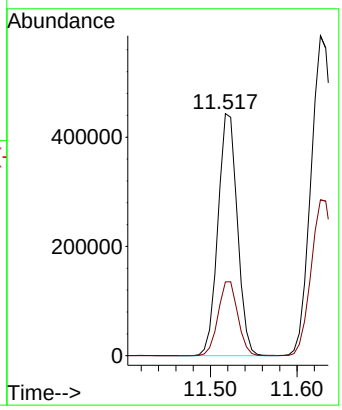




#67
Ethyl Benzene
Concen: 52.346 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 68943

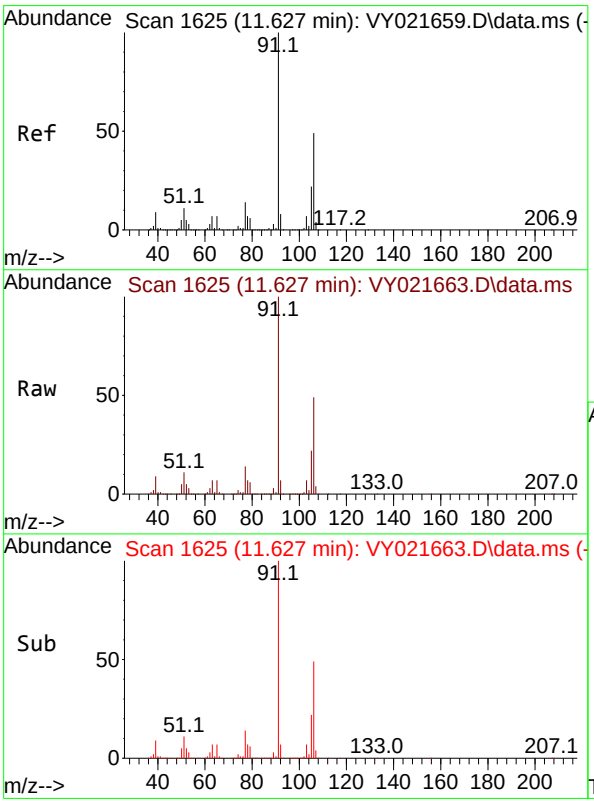
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

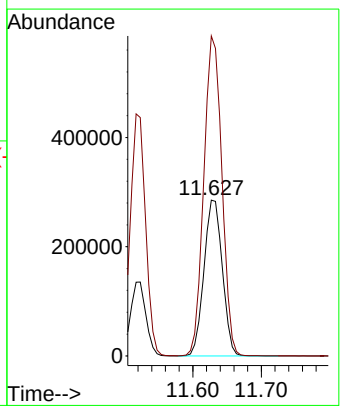
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

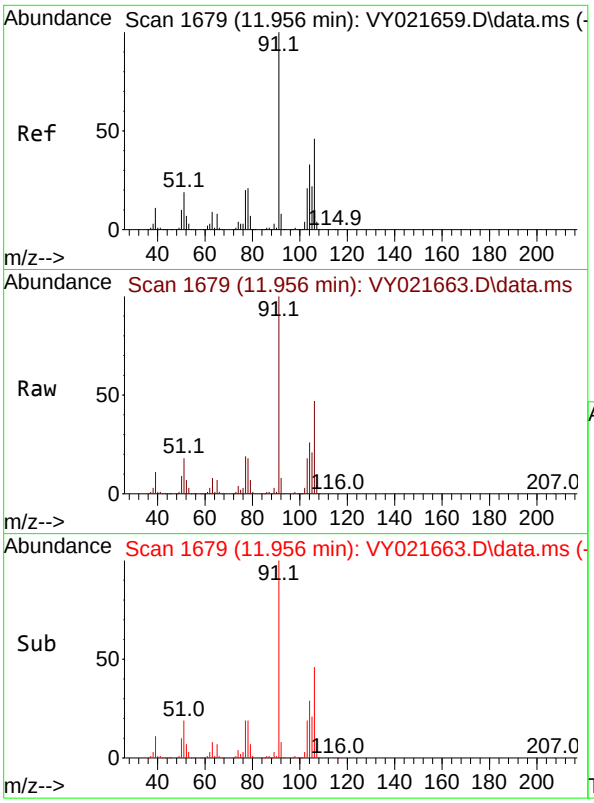


#68
m/p-Xylenes
Concen: 105.402 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:106 Resp: 531589

Ion	Ratio	Lower	Upper
106	100		
91	202.3	162.4	243.6





#69
o-Xylene
Concen: 53.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

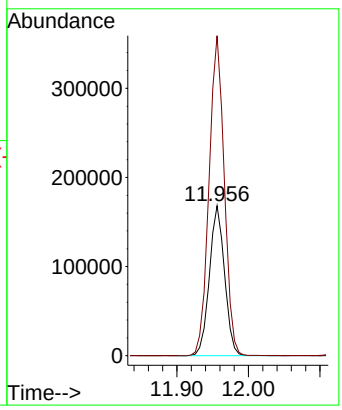
Tgt Ion:106 Resp: 24709

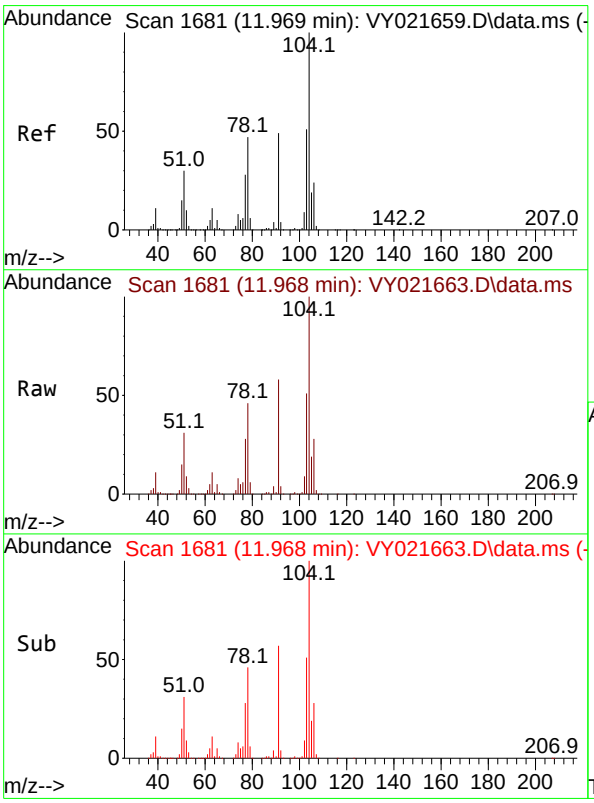
Ion	Ratio	Lower	Upper
106	100		
91	214.6	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

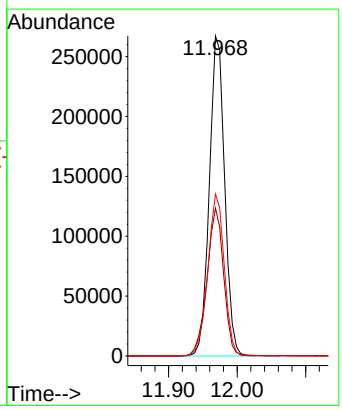


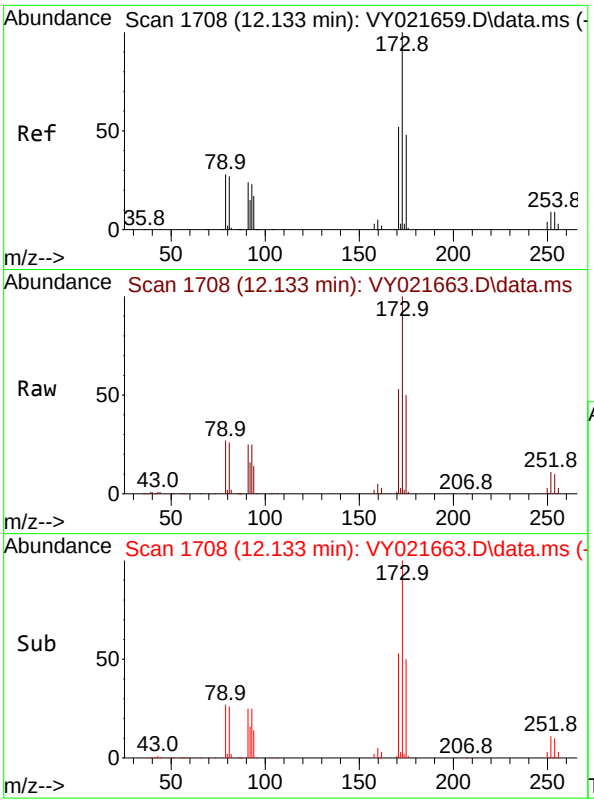


#70
Styrene
Concen: 53.627 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:104 Resp: 416261

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.8	61.2
103	54.3	44.2	66.2

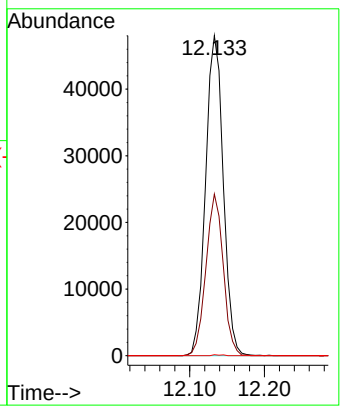




#71
Bromoform
Concen: 50.778 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:173 Resp: 7893

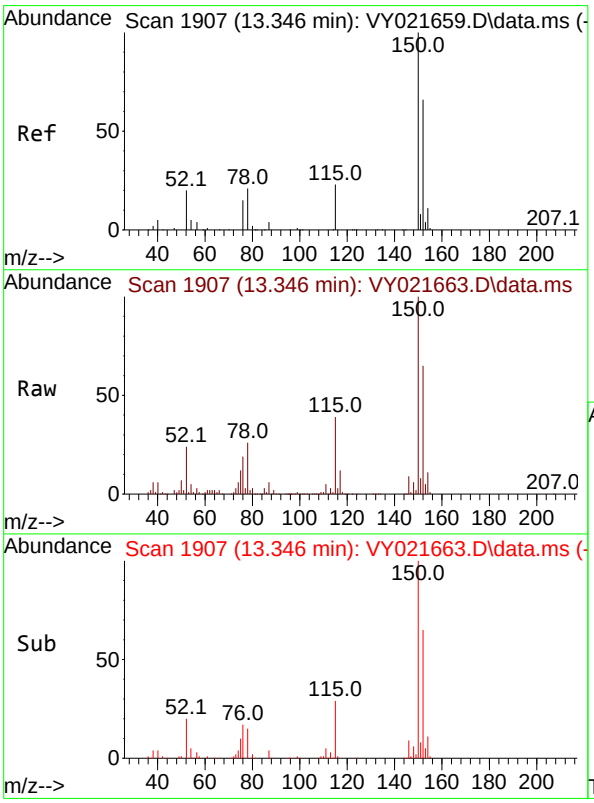
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	73.0
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

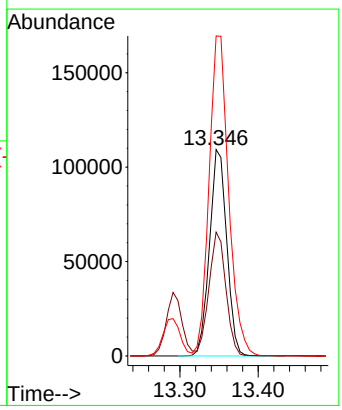
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

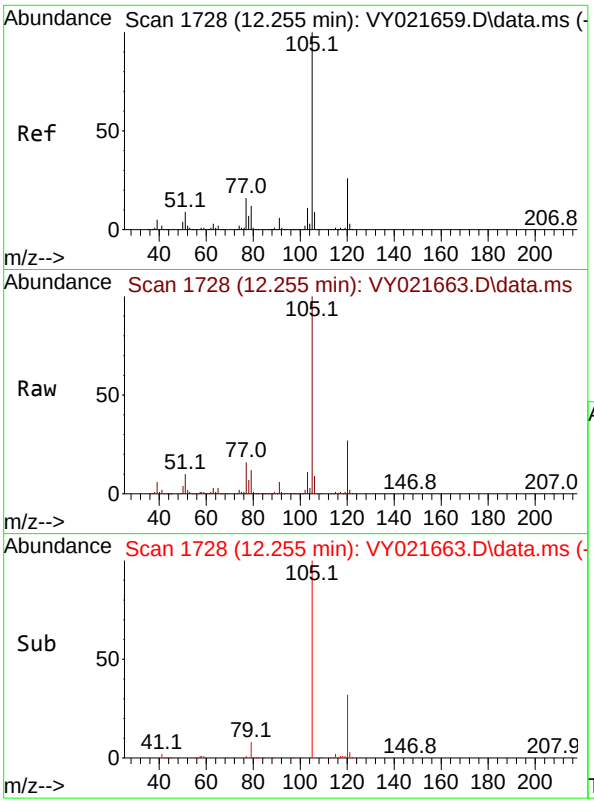


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:152 Resp: 166949

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.5
150	175.8	0.0	348.4





#73
Isopropylbenzene
Concen: 52.705 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

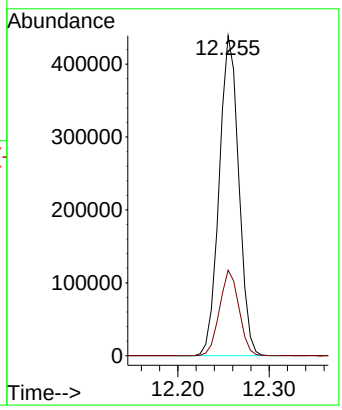
Tgt Ion:105 Resp: 65354

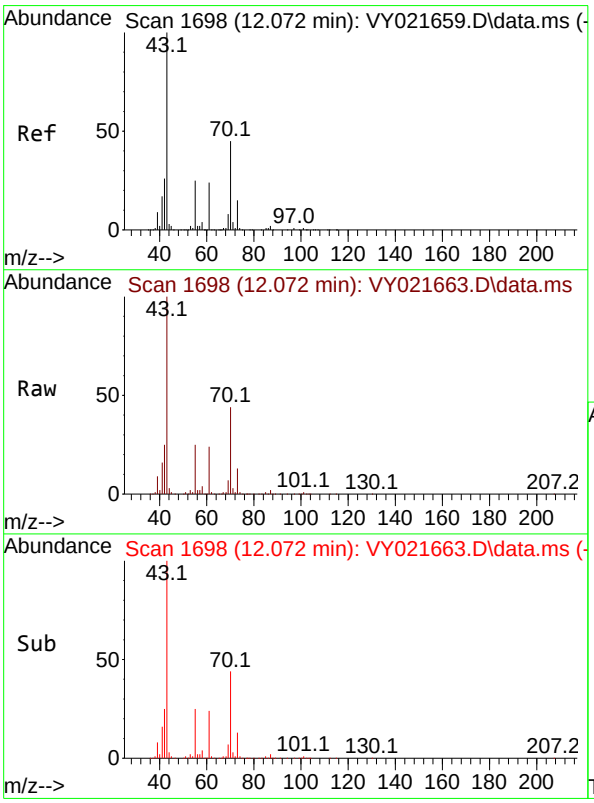
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

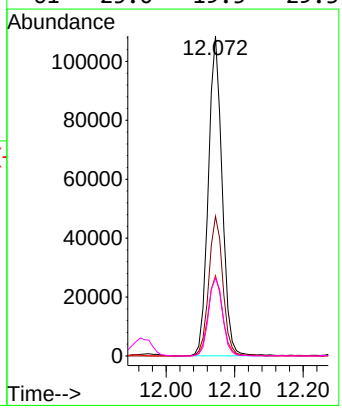


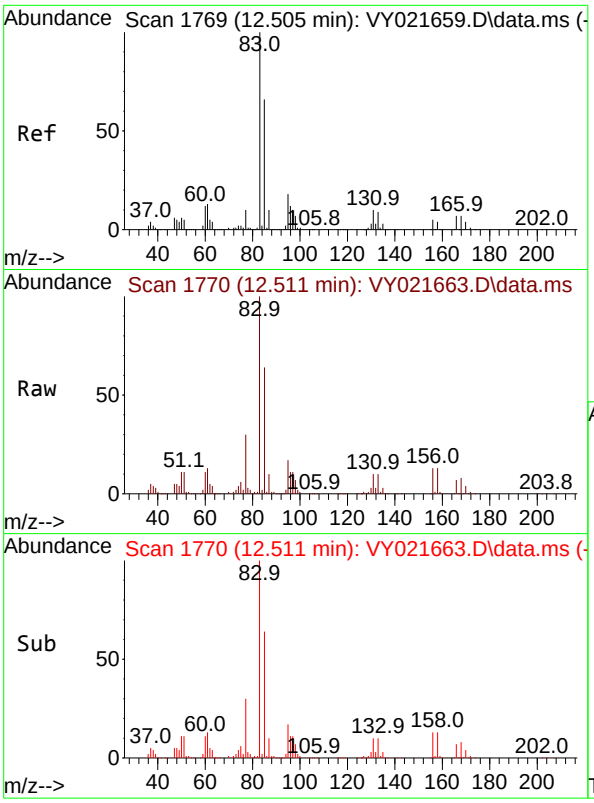


#74
N-amyl acetate
Concen: 52.323 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 152268

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.7	52.1
55	26.0	21.2	31.8
61	25.0	19.5	29.3

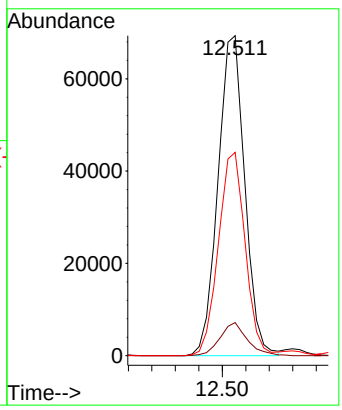




#75
1,1,2,2-Tetrachloroethane
Concen: 49.266 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 83 Resp: 10983

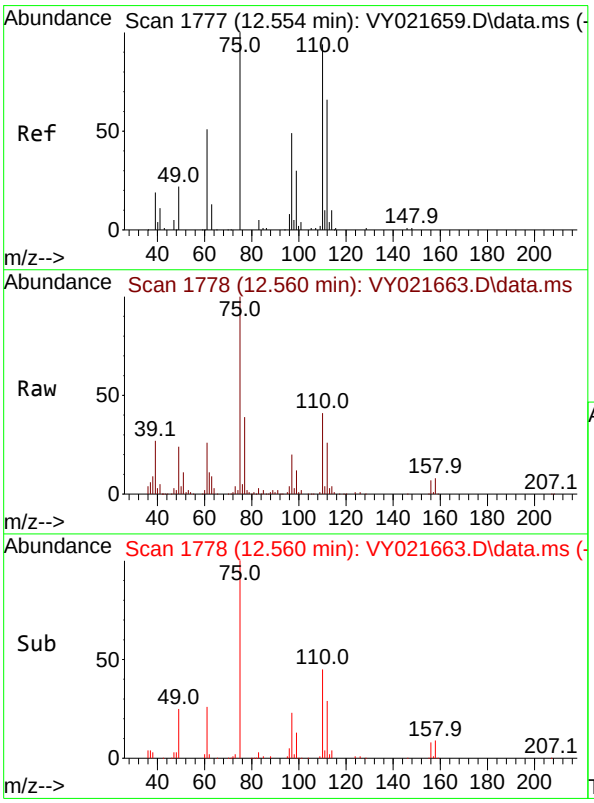
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.6	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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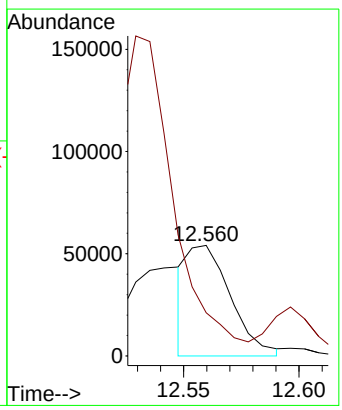
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

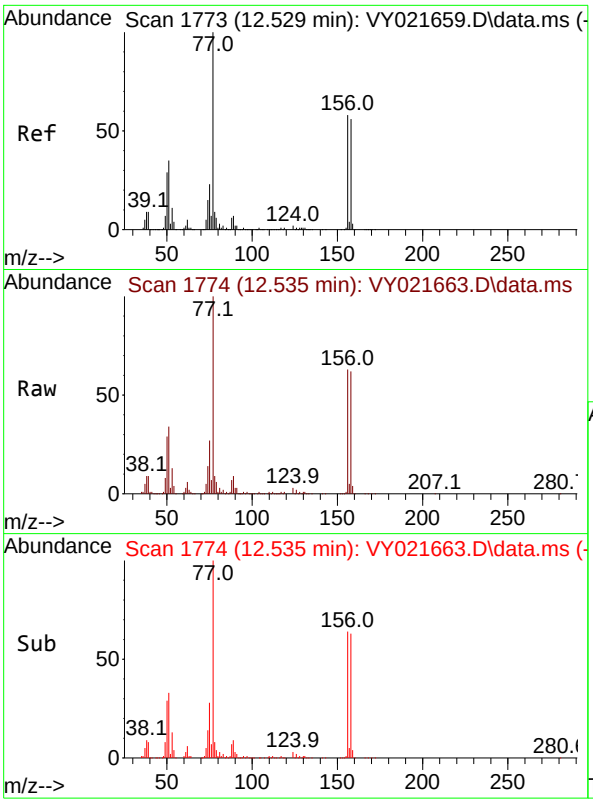


#76
1,2,3-Trichloropropane
Concen: 42.688 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 70644

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

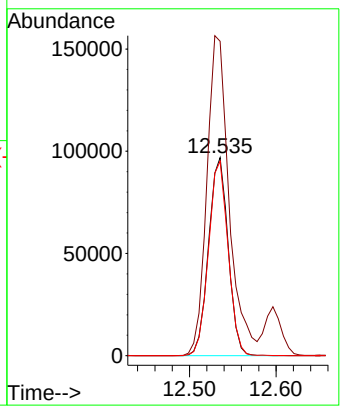




#77
Bromobenzene
Concen: 51.125 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:156 Resp: 15221

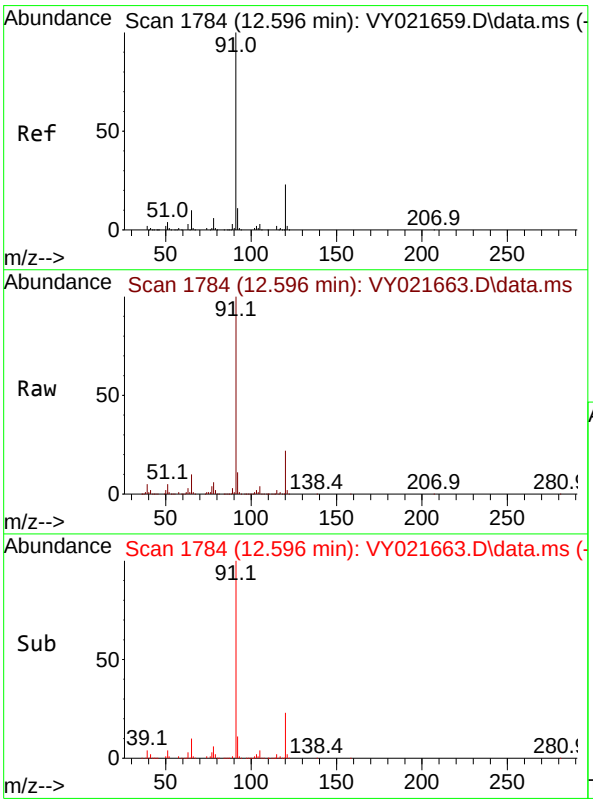
Ion	Ratio	Lower	Upper
156	100		
77	184.2	92.8	278.3
158	98.1	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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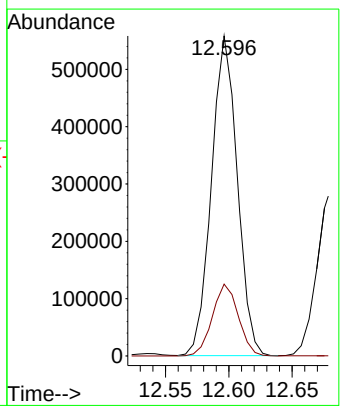
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

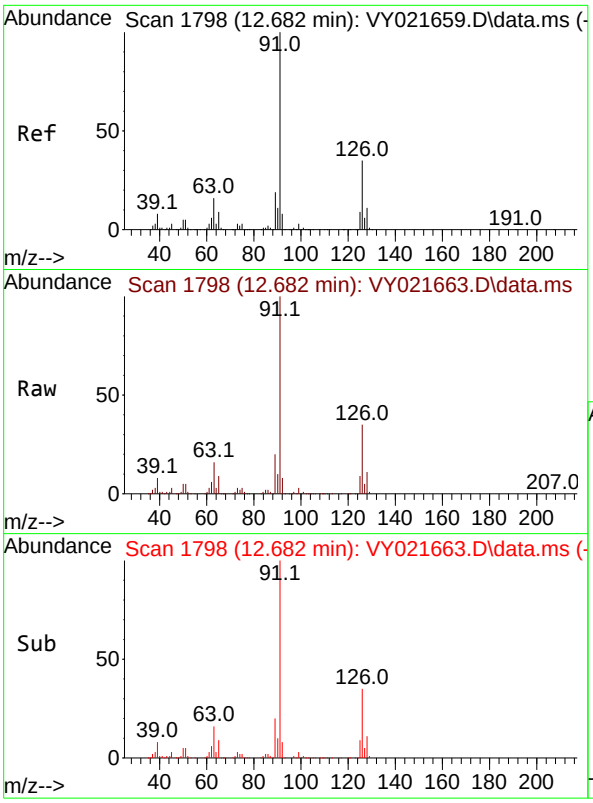


#78
n-propylbenzene
Concen: 53.182 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 792814

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

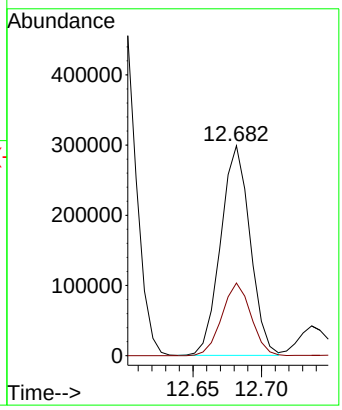




#79
2-Chlorotoluene
Concen: 51.671 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 44740

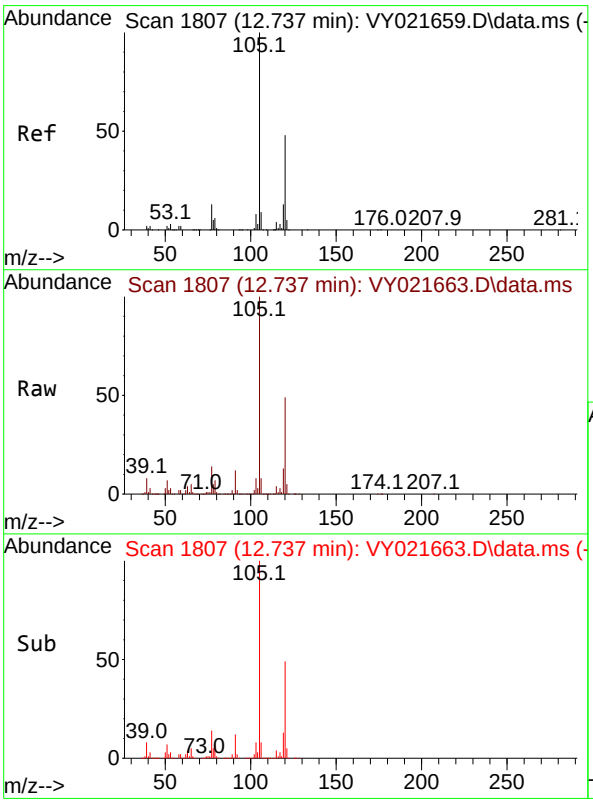
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

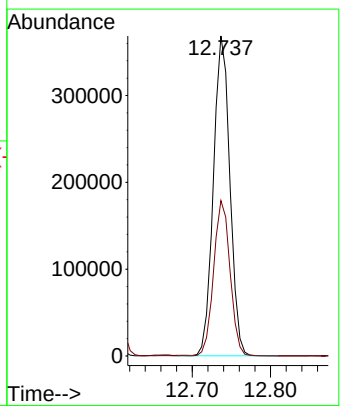
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

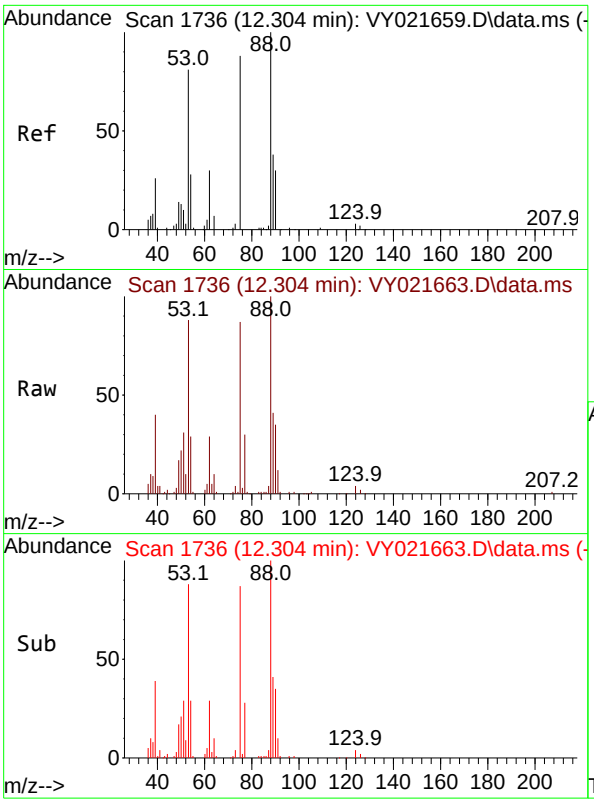


#80
1,3,5-Trimethylbenzene
Concen: 53.236 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 539512

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.5	73.5

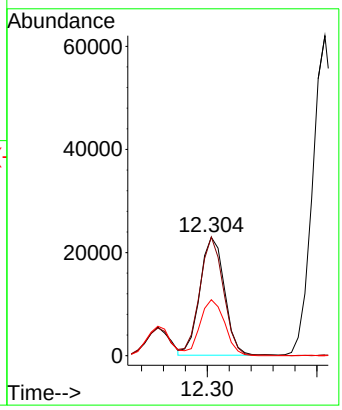




#81
trans-1,4-Dichloro-2-butene
Concen: 49.488 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 3554

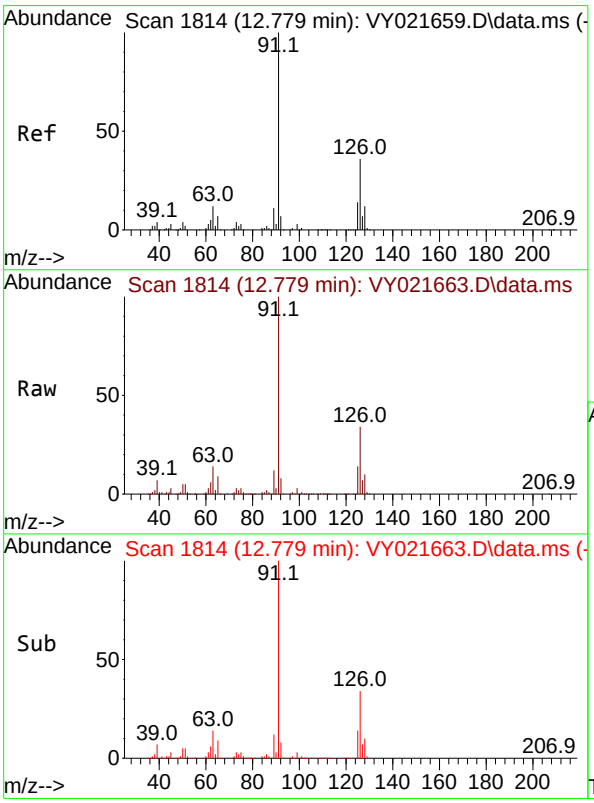
Ion	Ratio	Lower	Upper
75	100		
53	98.7	76.1	114.1
89	47.3	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

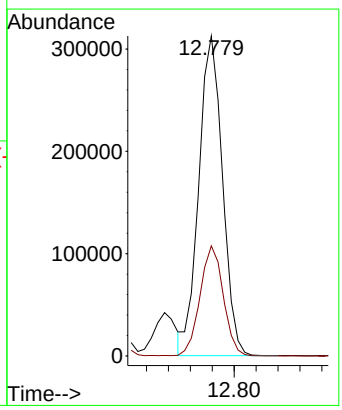
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

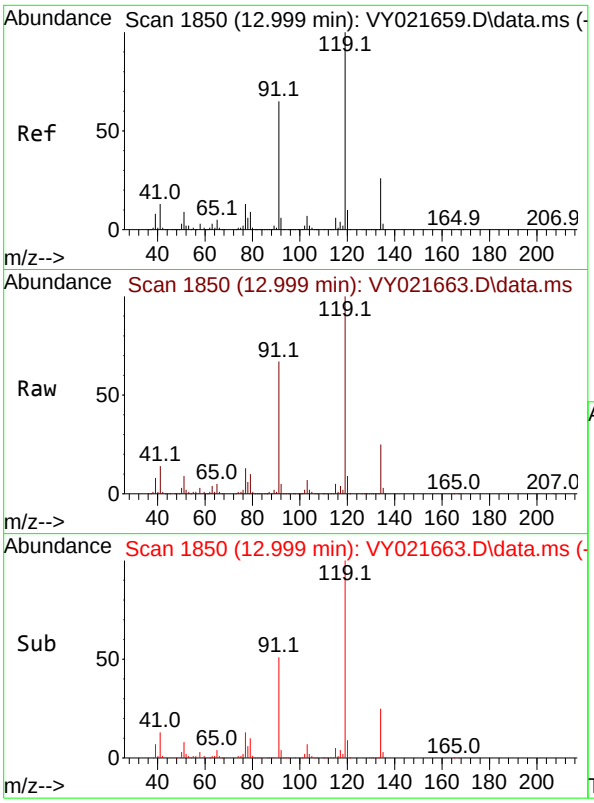


#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 469122

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

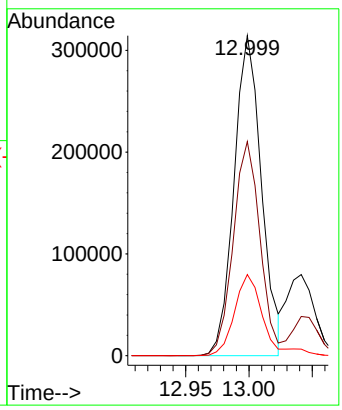




#83
tert-Butylbenzene
Concen: 52.616 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:119 Resp: 47494

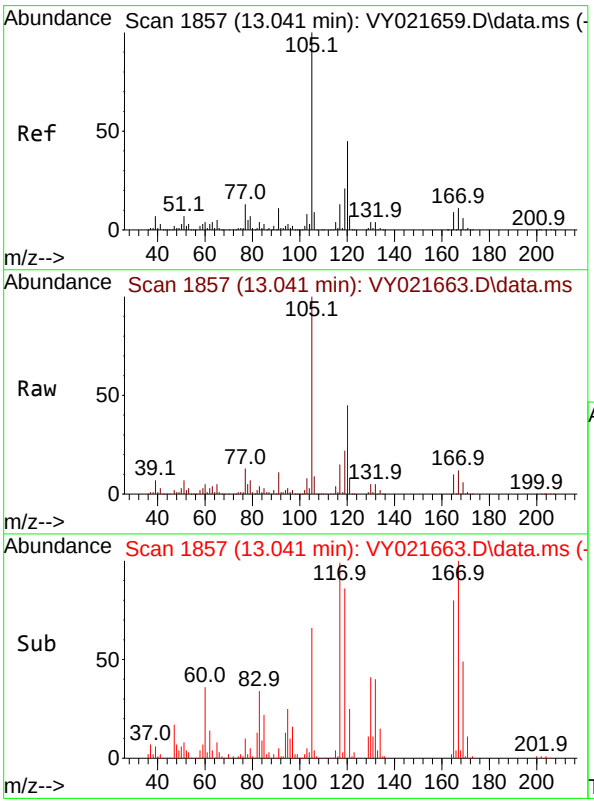
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.5	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

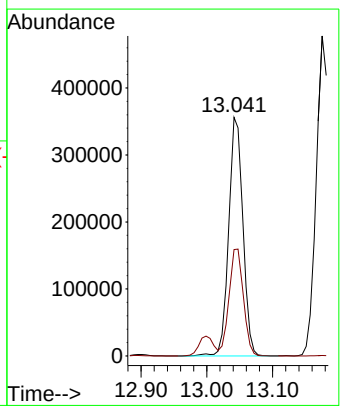
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

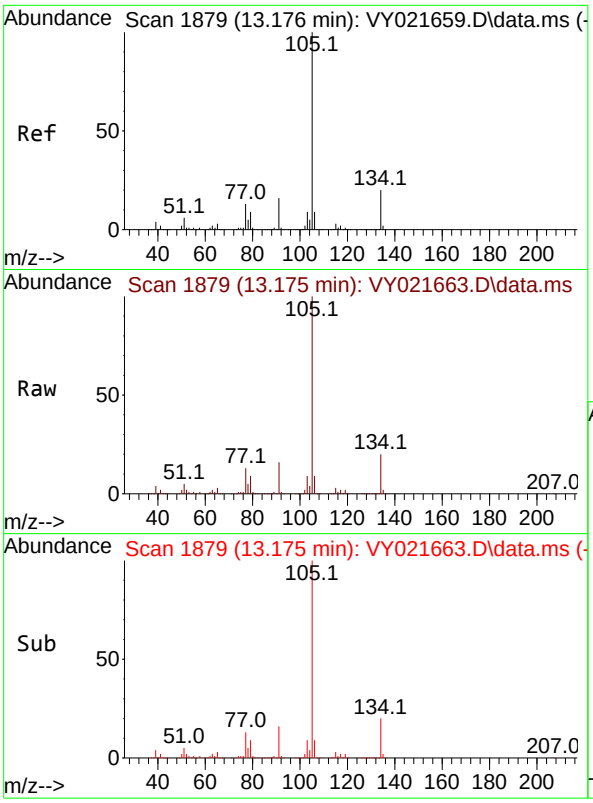


#84
1,2,4-Trimethylbenzene
Concen: 53.454 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 535411

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.1

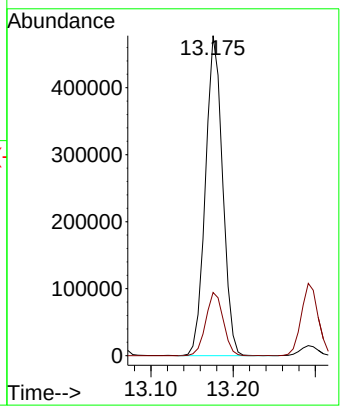




#85
sec-Butylbenzene
Concen: 52.471 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 69218

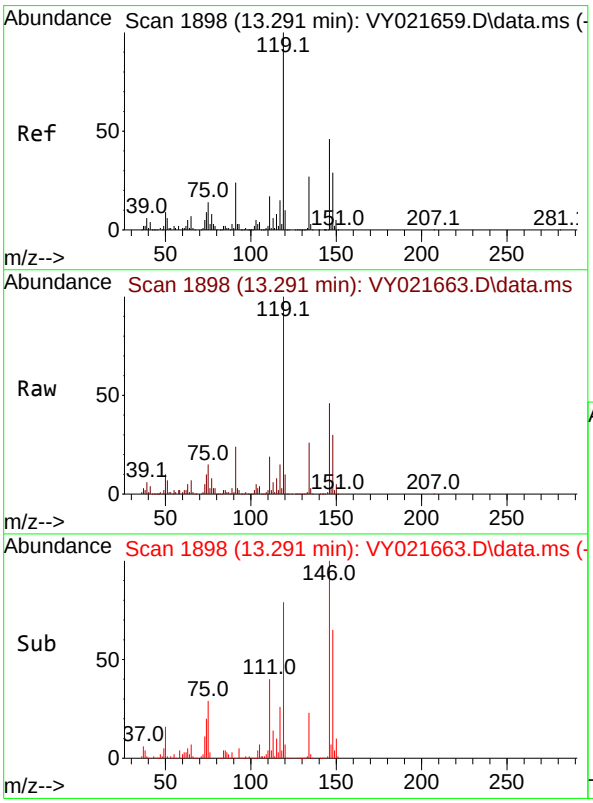
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

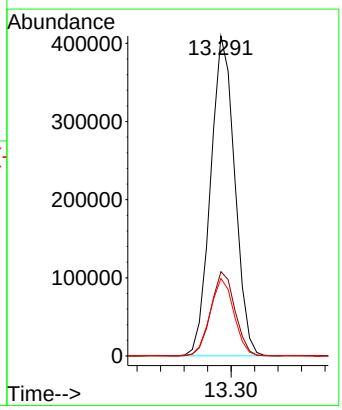
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

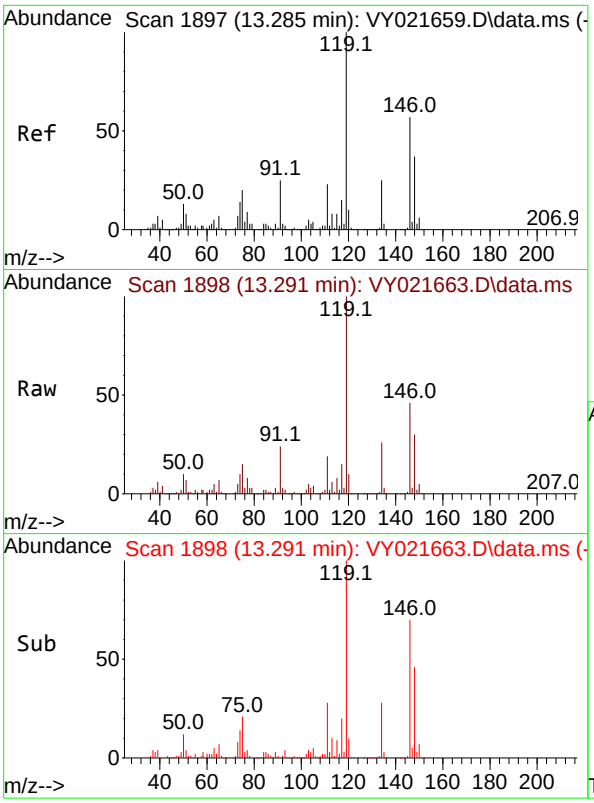


#86
p-Isopropyltoluene
Concen: 53.479 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:119 Resp: 583069

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.8	12.0	36.0

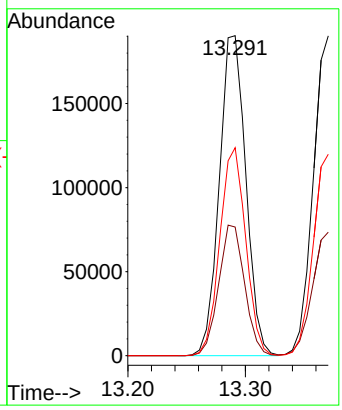




#87
1,3-Dichlorobenzene
Concen: 50.987 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 29907

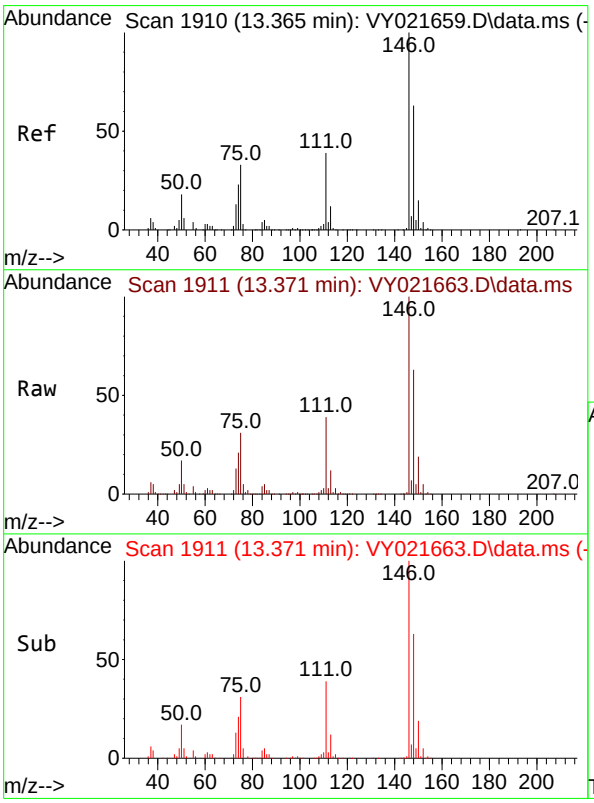
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

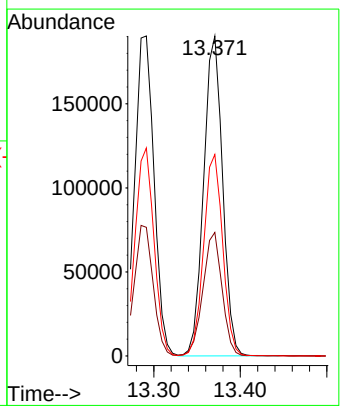
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

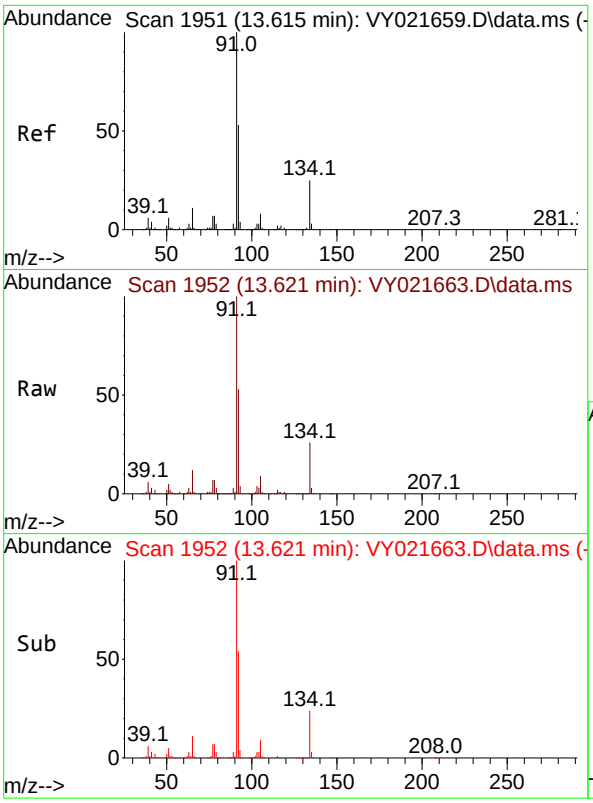


#88
1,4-Dichlorobenzene
Concen: 49.741 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 288264

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.1
148	63.7	31.5	94.5

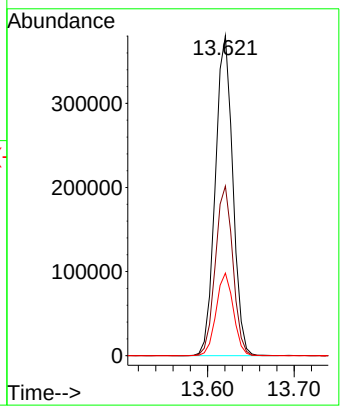




#89
n-Butylbenzene
Concen: 52.927 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 53366

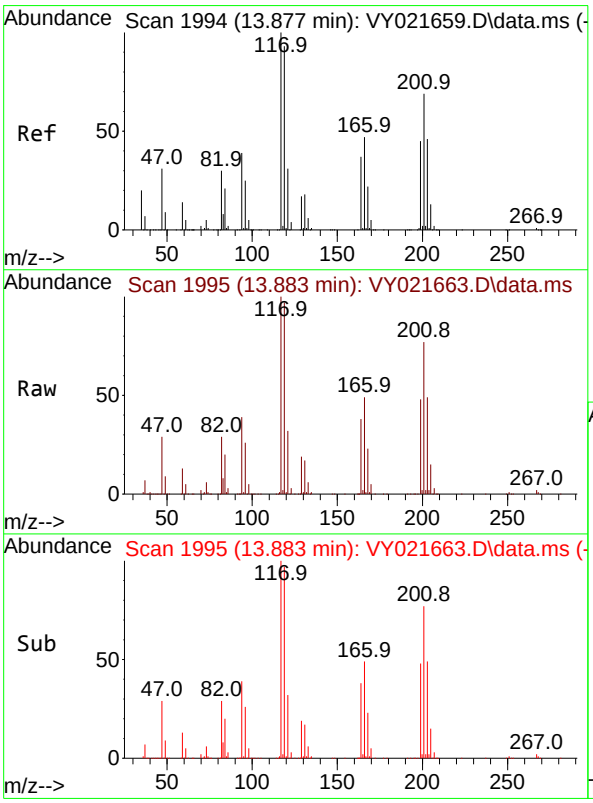
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.4	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

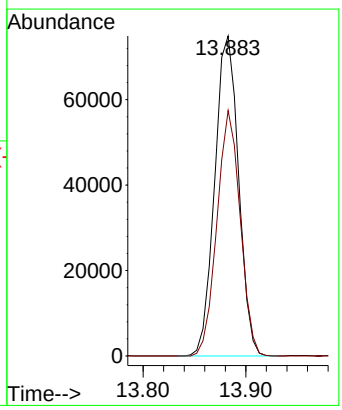
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

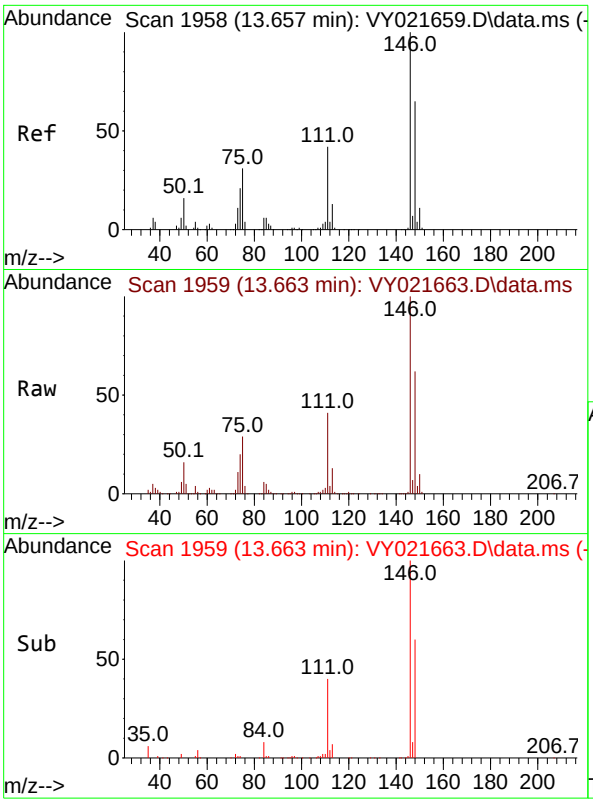


#90
Hexachloroethane
Concen: 50.454 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 120546

Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.4	112.1

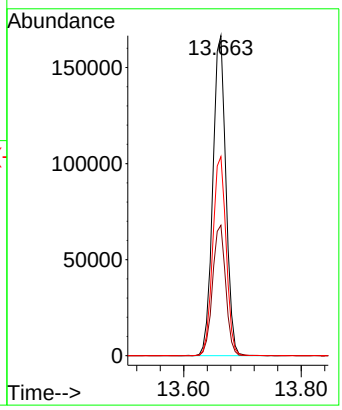




#91
1,2-Dichlorobenzene
Concen: 50.346 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 25707

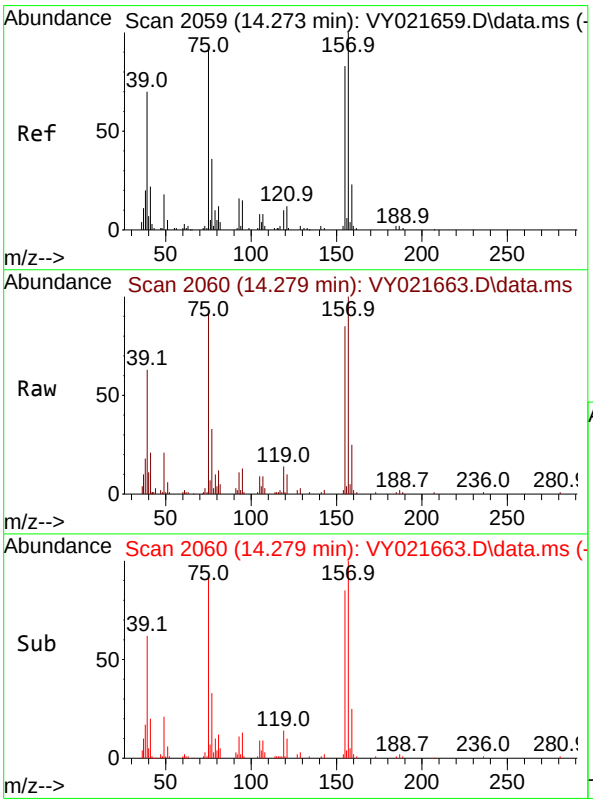
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

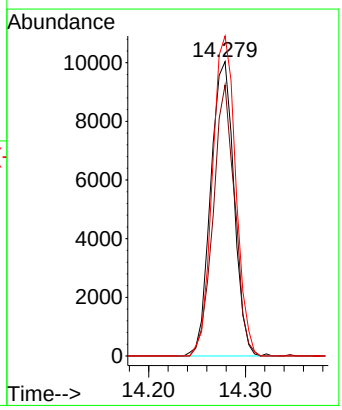
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

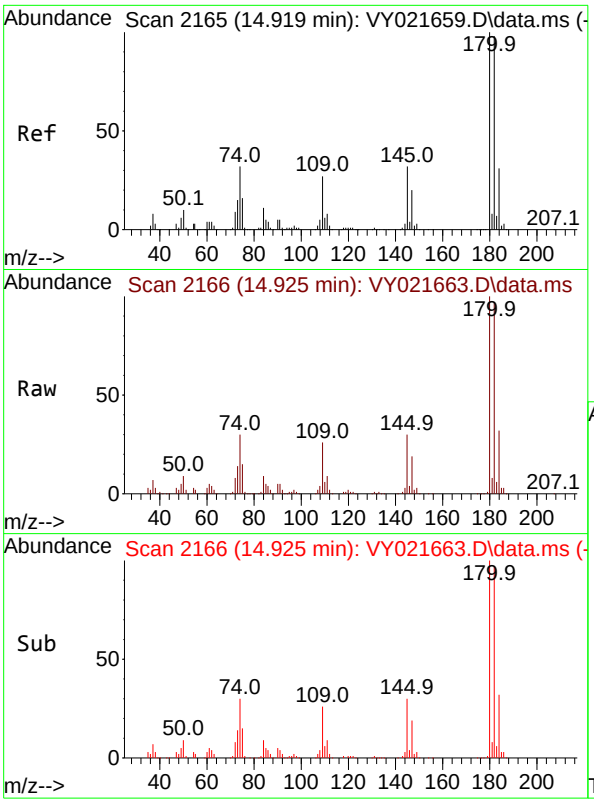


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.476 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 16750

Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.0	128.8
157	109.0	54.0	162.0

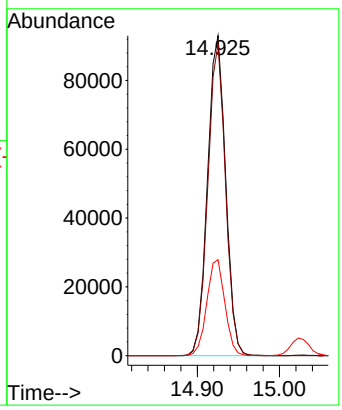




#93
1,2,4-Trichlorobenzene
Concen: 51.429 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:180 Resp: 14240

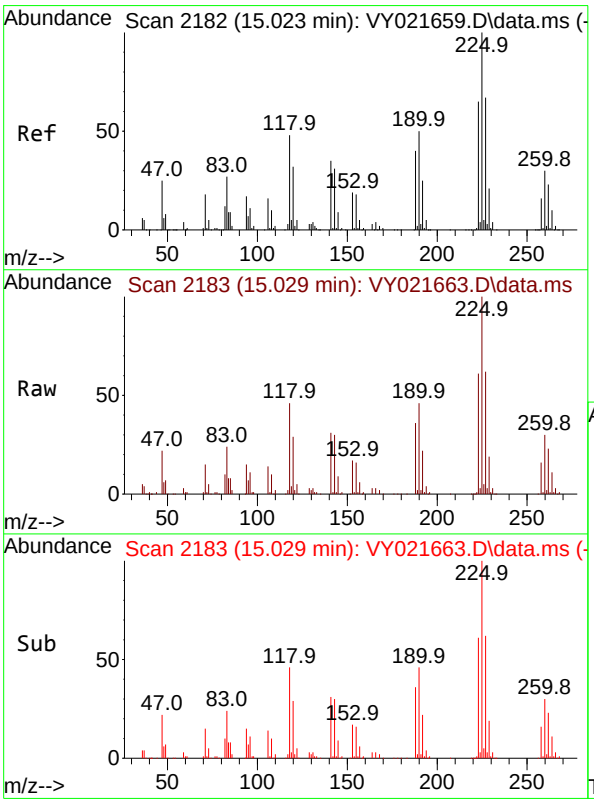
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	30.0	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

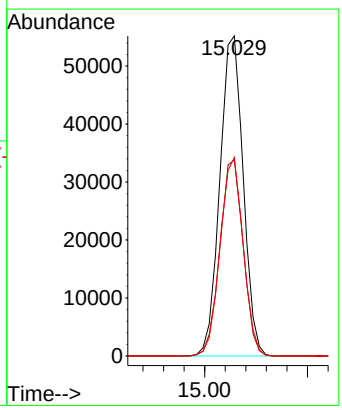
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

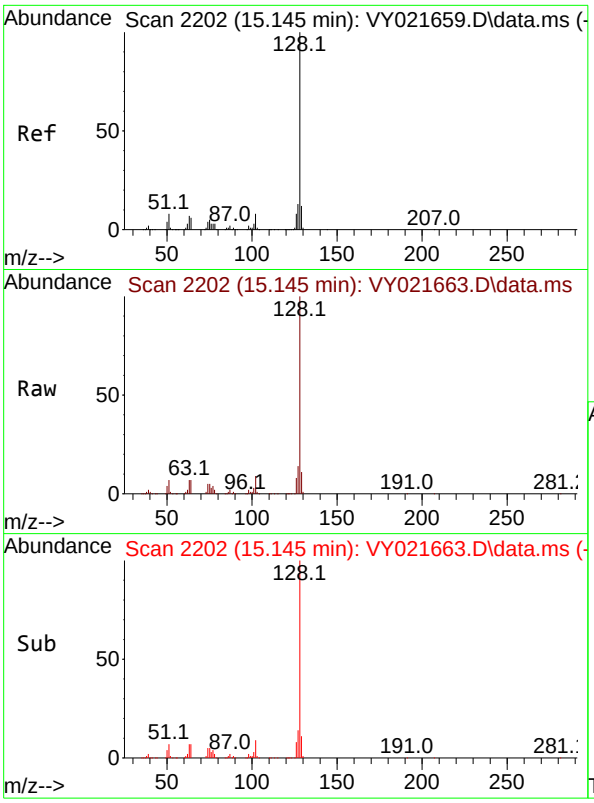


#94
Hexachlorobutadiene
Concen: 50.245 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:225 Resp: 86891

Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.7
227	61.4	32.4	97.0

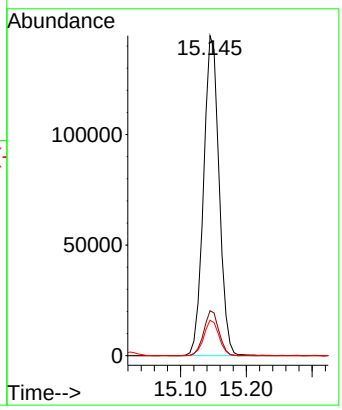




#95
Naphthalene
Concen: 51.759 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:128 Resp: 23756

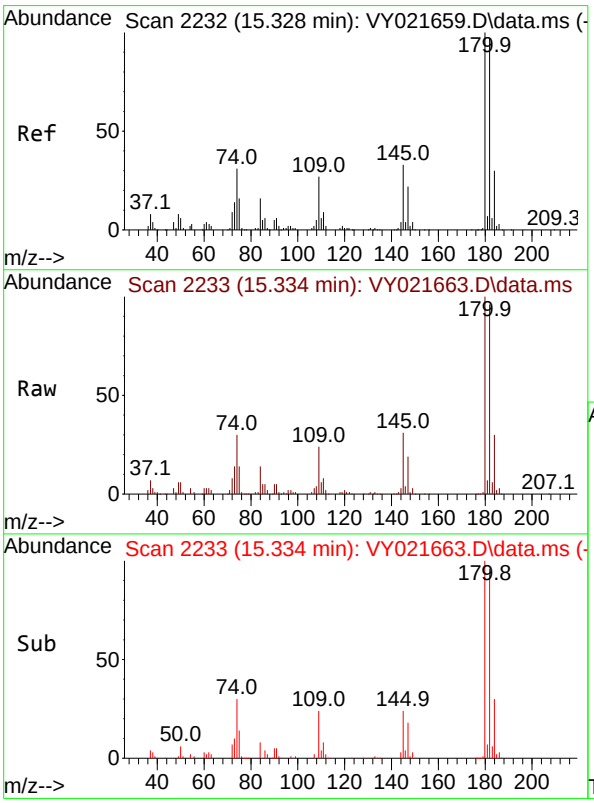
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

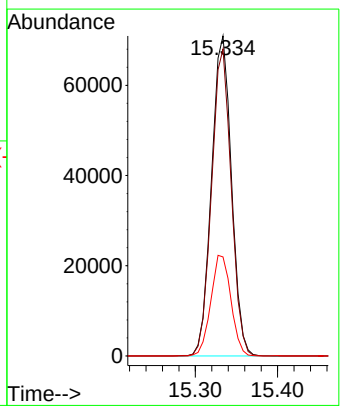
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.640 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:180 Resp: 119575

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.5
145	31.7	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2	T	Dichlorodifluoromethane	0.518	0.504	2.7	101	0.00
3	P	Chloromethane	0.729	0.740	-1.5	108	0.00
4	C	Vinyl Chloride	0.824	0.804	2.4#	102	0.00
5	T	Bromomethane	0.562	0.554	1.4	109	0.00
6	T	Chloroethane	0.539	0.546	-1.3	108	0.00
7	T	Trichlorofluoromethane	1.056	1.098	-4.0	110	0.00
8	T	Diethyl Ether	0.287	0.297	-3.5	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.537	3.6	101	0.00
10	T	Methyl Iodide	0.611	0.597	2.3	92	0.00
11	T	Tert butyl alcohol	0.035	0.034	2.9	101	0.00
12	CM	1,1-Dichloroethene	0.524	0.514	1.9#	101	0.00
13	T	Acrolein	0.064	0.064	0.0	103	0.00
14	T	Allyl chloride	0.836	0.843	-0.8	102	0.00
15	T	Acrylonitrile	0.120	0.118	1.7	99	0.00
16	T	Acetone	0.111	0.104	6.3	98	0.00
17	T	Carbon Disulfide	1.727	1.708	1.1	102	0.00
18	T	Methyl Acetate	0.275	0.268	2.5	102	0.00
19	T	Methyl tert-butyl Ether	1.306	1.320	-1.1	101	0.00
20	T	Methylene Chloride	0.626	0.578	7.7	104	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.580	-0.5	104	0.00
22	T	Diisopropyl ether	1.754	1.799	-2.6	101	0.00
23	T	Vinyl Acetate	1.026	1.053	-2.6	100	0.00
24	P	1,1-Dichloroethane	1.049	1.049	0.0	102	0.00
25	T	2-Butanone	0.158	0.153	3.2	97	0.00
26	T	2,2-Dichloropropane	0.933	0.916	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.660	-1.7	102	0.00
28	T	Bromochloromethane	0.442	0.446	-0.9	106	0.00
29	T	Tetrahydrofuran	0.102	0.101	1.0	97	0.00
30	C	Chloroform	1.091	1.080	1.0#	101	0.00
31	T	Cyclohexane	0.956	0.915	4.3	101	0.00
32	T	1,1,1-Trichloroethane	0.986	0.973	1.3	102	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.569	-5.0	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.324	0.352	-8.6	106	0.00
36	T	1,1-Dichloropropene	0.494	0.497	-0.6	101	0.00
37	T	Ethyl Acetate	0.233	0.229	1.7	99	0.00
38	T	Carbon Tetrachloride	0.566	0.564	0.4	102	0.00
39	T	Methylcyclohexane	0.590	0.612	-3.7	101	0.00
40	TM	Benzene	1.479	1.496	-1.1	102	0.00
41	T	Methacrylonitrile	0.124	0.118	4.8	88	-0.01
42	TM	1,2-Dichloroethane	0.417	0.413	1.0	101	0.00
43	T	Isopropyl Acetate	0.442	0.443	-0.2	100	0.00
44	TM	Trichloroethene	0.377	0.376	0.3	103	0.00
45	C	1,2-Dichloropropane	0.350	0.351	-0.3#	102	0.00
46	T	Dibromomethane	0.202	0.202	0.0	104	0.00
47	T	Bromodichloromethane	0.523	0.529	-1.1	103	0.00
48	T	Methyl methacrylate	0.203	0.211	-3.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1.234	1.360	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.233	-1.3	99	0.00
52	CM	Toluene	0.923	0.952	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	0.465	0.475	-2.2	100	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.561	-2.4	101	0.00
55	T	1,1,2-Trichloroethane	0.260	0.258	0.8	101	0.00
56	T	Ethyl methacrylate	0.332	0.361	-8.7	101	0.00
57	T	1,3-Dichloropropane	0.449	0.454	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.179	-10.5	102	0.00
59	T	2-Hexanone	0.153	0.156	-2.0	98	0.00
60	T	Dibromochloromethane	0.355	0.359	-1.1	101	0.00
61	T	1,2-Dibromoethane	0.244	0.248	-1.6	100	0.00
62	S	4-Bromofluorobenzene	0.417	0.462	-10.8	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.455	0.435	4.4	98	0.00
65	PM	Chlorobenzene	1.146	1.155	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.413	-1.5	102	0.00
67	C	Ethyl Benzene	1.965	2.058	-4.7#	102	0.00
68	T	m/p-Xylenes	0.753	0.793	-5.3	102	0.00
69	T	o-Xylene	0.695	0.737	-6.0	102	0.00
70	T	Styrene	1.158	1.242	-7.3	102	0.00
71	P	Bromoform	0.232	0.236	-1.7	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.714	3.915	-5.4	102	0.00
74	T	N-amyl acetate	0.872	0.912	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.658	1.5	100	0.00
76	T	1,2,3-Trichloropropane	0.496	0.423	14.7	84	0.00
77	T	Bromobenzene	0.892	0.912	-2.2	102	0.00
78	T	n-propylbenzene	4.465	4.749	-6.4	102	0.00
79	T	2-Chlorotoluene	2.593	2.680	-3.4	101	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.232	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.213	0.9	95	0.00
82	T	4-Chlorotoluene	2.704	2.810	-3.9	101	0.00
83	T	tert-Butylbenzene	2.703	2.845	-5.3	101	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.207	-6.9	102	0.00
85	T	sec-Butylbenzene	3.951	4.146	-4.9	101	0.00
86	T	p-Isopropyltoluene	3.265	3.492	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	1.757	1.791	-1.9	102	0.00
88	T	1,4-Dichlorobenzene	1.736	1.727	0.5	99	0.00
89	T	n-Butylbenzene	3.020	3.197	-5.9	100	0.00
90	T	Hexachloroethane	0.716	0.722	-0.8	102	0.00
91	T	1,2-Dichlorobenzene	1.529	1.540	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.100	2.9	98	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.853	-2.9	97	0.00
94	T	Hexachlorobutadiene	0.518	0.520	-0.4	99	0.00
95	T	Naphthalene	1.375	1.423	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.716	-1.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	48.632	2.7	101	0.00
3	P	Chloromethane	50.000	50.781	-1.6	108	0.00
4	C	Vinyl Chloride	50.000	48.759	2.5#	102	0.00
5	T	Bromomethane	50.000	49.274	1.5	109	0.00
6	T	Chloroethane	50.000	50.589	-1.2	108	0.00
7	T	Trichlorofluoromethane	50.000	51.989	-4.0	110	0.00
8	T	Diethyl Ether	50.000	51.807	-3.6	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.213	3.6	101	0.00
10	T	Methyl Iodide	50.000	48.859	2.3	92	0.00
11	T	Tert butyl alcohol	250.000	239.093	4.4	101	0.00
12	CM	1,1-Dichloroethene	50.000	48.958	2.1#	101	0.00
13	T	Acrolein	250.000	249.738	0.1	103	0.00
14	T	Allyl chloride	50.000	50.380	-0.8	102	0.00
15	T	Acrylonitrile	250.000	246.085	1.6	99	0.00
16	T	Acetone	250.000	234.856	6.1	98	0.00
17	T	Carbon Disulfide	50.000	49.428	1.1	102	0.00
18	T	Methyl Acetate	50.000	48.703	2.6	102	0.00
19	T	Methyl tert-butyl Ether	50.000	50.561	-1.1	101	0.00
20	T	Methylene Chloride	50.000	53.536	-7.1	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.186	-0.4	104	0.00
22	T	Diisopropyl ether	50.000	51.273	-2.5	101	0.00
23	T	Vinyl Acetate	250.000	256.638	-2.7	100	0.00
24	P	1,1-Dichloroethane	50.000	50.001	-0.0	102	0.00
25	T	2-Butanone	250.000	240.921	3.6	97	0.00
26	T	2,2-Dichloropropane	50.000	49.103	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.806	-1.6	102	0.00
28	T	Bromochloromethane	50.000	50.360	-0.7	106	0.00
29	T	Tetrahydrofuran	250.000	247.271	1.1	97	0.00
30	C	Chloroform	50.000	49.490	1.0#	101	0.00
31	T	Cyclohexane	50.000	47.844	4.3	101	0.00
32	T	1,1,1-Trichloroethane	50.000	49.319	1.4	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.553	-5.1	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	54.243	-8.5	106	0.00
36	T	1,1-Dichloropropene	50.000	50.326	-0.7	101	0.00
37	T	Ethyl Acetate	50.000	49.145	1.7	99	0.00
38	T	Carbon Tetrachloride	50.000	49.814	0.4	102	0.00
39	T	Methylcyclohexane	50.000	51.843	-3.7	101	0.00
40	TM	Benzene	50.000	50.574	-1.1	102	0.00
41	T	Methacrylonitrile	50.000	47.475	5.0	88	-0.01
42	TM	1,2-Dichloroethane	50.000	49.556	0.9	101	0.00
43	T	Isopropyl Acetate	50.000	50.106	-0.2	100	0.00
44	TM	Trichloroethene	50.000	49.933	0.1	103	0.00
45	C	1,2-Dichloropropane	50.000	50.158	-0.3#	102	0.00
46	T	Dibromomethane	50.000	50.052	-0.1	104	0.00
47	T	Bromodichloromethane	50.000	50.530	-1.1	103	0.00
48	T	Methyl methacrylate	50.000	52.076	-4.2	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1006.593	-0.7	100	0.00
50	S	Toluene-d8	50.000	55.117	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.890	-1.2	99	0.00
52	CM	Toluene	50.000	51.555	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	51.152	-2.3	100	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.154	-2.3	101	0.00
55	T	1,1,2-Trichloroethane	50.000	49.656	0.7	101	0.00
56	T	Ethyl methacrylate	50.000	54.371	-8.7	101	0.00
57	T	1,3-Dichloropropane	50.000	50.563	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.714	-10.7	102	0.00
59	T	2-Hexanone	250.000	255.065	-2.0	98	0.00
60	T	Dibromochloromethane	50.000	50.679	-1.4	101	0.00
61	T	1,2-Dibromoethane	50.000	50.970	-1.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	55.339	-10.7	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	47.757	4.5	98	0.00
65	PM	Chlorobenzene	50.000	50.384	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.802	-1.6	102	0.00
67	C	Ethyl Benzene	50.000	52.346	-4.7#	102	0.00
68	T	m/p-Xylenes	100.000	105.402	-5.4	102	0.00
69	T	o-Xylene	50.000	53.075	-6.2	102	0.00
70	T	Styrene	50.000	53.627	-7.3	102	0.00
71	P	Bromoform	50.000	50.778	-1.6	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	52.705	-5.4	102	0.00
74	T	N-amyl acetate	50.000	52.323	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.266	1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	42.688	14.6	84	0.00
77	T	Bromobenzene	50.000	51.125	-2.3	102	0.00
78	T	n-propylbenzene	50.000	53.182	-6.4	102	0.00
79	T	2-Chlorotoluene	50.000	51.671	-3.3	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.236	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.488	1.0	95	0.00
82	T	4-Chlorotoluene	50.000	51.969	-3.9	101	0.00
83	T	tert-Butylbenzene	50.000	52.616	-5.2	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.454	-6.9	102	0.00
85	T	sec-Butylbenzene	50.000	52.471	-4.9	101	0.00
86	T	p-Isopropyltoluene	50.000	53.479	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.987	-2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.741	0.5	99	0.00
89	T	n-Butylbenzene	50.000	52.927	-5.9	100	0.00
90	T	Hexachloroethane	50.000	50.454	-0.9	102	0.00
91	T	1,2-Dichlorobenzene	50.000	50.346	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.476	3.0	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.429	-2.9	97	0.00
94	T	Hexachlorobutadiene	50.000	50.245	-0.5	99	0.00
95	T	Naphthalene	50.000	51.759	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	50.640	-1.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 09:22

Lab File ID: VY021776.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.460		-11.2	20
Chloromethane	0.729	0.638	0.1	-12.48	20
Vinyl Chloride	0.824	0.724		-12.14	20
Bromomethane	0.562	0.483		-14.06	20
Chloroethane	0.539	0.475		-11.87	20
Tetrahydrofuran	0.102	0.090		-11.77	20
Trichlorofluoromethane	1.056	0.959		-9.19	20
1,1,2-Trichlorotrifluoroethane	0.557	0.515		-7.54	20
1,1-Dichloroethene	0.524	0.481		-8.21	20
Acrylonitrile	0.120	0.106		-11.67	20
Acetone	0.111	0.091		-18.02	20
Carbon Disulfide	1.727	1.549		-10.31	20
Methyl tert-butyl Ether	1.306	1.203		-7.89	20
Methylene Chloride	0.626	0.518		-17.25	20
trans-1,2-Dichloroethene	0.577	0.534		-7.45	20
1,1-Dichloroethane	1.049	0.975	0.1	-7.05	20
2-Butanone	0.158	0.136		-13.92	20
Carbon Tetrachloride	0.566	0.560		-1.06	20
2,2-Dichloropropane	0.933	0.874		-6.32	20
cis-1,2-Dichloroethene	0.649	0.609		-6.16	20
Chloroform	1.091	1.012		-7.24	20
1,1,1-Trichloroethane	0.986	0.918		-6.9	20
1,1-Dichloropropene	0.494	0.495		0.2	20
Benzene	1.479	1.458		-1.42	20
1,2-Dichloroethane	0.417	0.401		-3.84	20
Trichloroethene	0.377	0.375		-0.53	20
1,2-Dichloropropane	0.350	0.345		-1.43	20
Dibromomethane	0.202	0.194		-3.96	20
Bromodichloromethane	0.523	0.513		-1.91	20
4-Methyl-2-Pentanone	0.230	0.222		-3.48	20
Toluene	0.923	0.937		1.52	20
t-1,3-Dichloropropene	0.465	0.457		-1.72	20
cis-1,3-Dichloropropene	0.548	0.537		-2.01	20
1,1,2-Trichloroethane	0.260	0.253		-2.69	20
1,3-Dichloropropane	0.449	0.443		-1.34	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.355	0.359		1.13	20
1,2-Dibromoethane	0.244	0.241		-1.23	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 09:22

Lab File ID: VY021776.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.452		-0.66	20
Chlorobenzene	1.146	1.113	0.3	-2.88	20
1,1,1,2-Tetrachloroethane	0.407	0.402		-1.23	20
Ethyl Benzene	1.965	1.994		1.48	20
m/p-Xylenes	0.753	0.761		1.06	20
o-Xylene	0.695	0.704		1.29	20
Styrene	1.158	1.203		3.89	20
Bromoform	0.232	0.228	0.1	-1.72	20
Isopropylbenzene	3.714	3.651		-1.7	20
1,1,2,2-Tetrachloroethane	0.668	0.591	0.3	-11.53	20
1,2,3-Trichloropropane	0.496	0.480		-3.23	20
Bromobenzene	0.892	0.846		-5.16	20
n-propylbenzene	4.465	4.445		-0.45	20
2-Chlorotoluene	2.593	2.517		-2.93	20
1,3,5-Trimethylbenzene	3.035	2.999		-1.19	20
4-Chlorotoluene	2.704	2.623		-3	20
tert-Butylbenzene	2.703	2.636		-2.48	20
1,2,4-Trimethylbenzene	3.000	3.001		0.03	20
sec-Butylbenzene	3.951	3.921		-0.76	20
p-Isopropyltoluene	3.265	3.296		0.95	20
1,3-Dichlorobenzene	1.757	1.684		-4.16	20
1,4-Dichlorobenzene	1.736	1.654		-4.72	20
n-Butylbenzene	3.020	3.041		0.69	20
1,2-Dichlorobenzene	1.529	1.479		-3.27	20
1,2-Dibromo-3-Chloropropane	0.103	0.093		-9.71	20
1,2,4-Trichlorobenzene	0.829	0.819		-1.21	20
Hexachlorobutadiene	0.518	0.505		-2.51	20
1,2,3-Trichlorobenzene	0.707	0.703		-0.57	20
1,2-Dichloroethane-d4	0.542	0.533		-1.66	20
Dibromofluoromethane	0.324	0.337		4.01	20
Toluene-d8	1.234	1.303		5.59	20
4-Bromofluorobenzene	0.417	0.442		5.99	20
trans-1,4-Dichloro-2-butene	0.215	0.191		-11.16	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\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	228718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	308777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121896	49.189	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.380%			
35) Dibromofluoromethane	7.634	113	115525	51.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.900%			
50) Toluene-d8	10.109	98	446617	52.794	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.580%			
62) 4-Bromofluorobenzene	12.408	95	151449	52.928	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	105148	44.355	ug/l	99
3) Chloromethane	2.068	50	145939	43.781	ug/l	100
4) Vinyl Chloride	2.202	62	165639	43.939	ug/l	99
5) Bromomethane	2.598	94	110489	42.973	ug/l	94
6) Chloroethane	2.733	64	108599	44.025	ug/l	98
7) Trichlorofluoromethane	3.056	101	219380	45.429	ug/l	99
8) Diethyl Ether	3.452	74	57638	43.889	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	117758	46.234	ug/l	98
10) Methyl Iodide	4.001	142	132756	47.511	ug/l	100
11) Tert butyl alcohol	4.866	59	31915	198.281	ug/l	98
12) 1,1-Dichloroethene	3.787	96	109939	45.826	ug/l	97
13) Acrolein	3.653	56	31766	108.084	ug/l	98
14) Allyl chloride	4.385	41	174528	45.628	ug/l	100
15) Acrylonitrile	5.055	53	120986	220.642	ug/l	99
16) Acetone	3.873	43	104133	205.322	ug/l	98
17) Carbon Disulfide	4.104	76	354255	44.833	ug/l	99
18) Methyl Acetate	4.385	43	59191	47.090	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	275214	46.078	ug/l	99
20) Methylene Chloride	4.610	84	118494	47.558	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	122071	46.214	ug/l	97
22) Diisopropyl ether	6.012	45	384515	47.921	ug/l	95
23) Vinyl Acetate	5.958	43	1073117	228.612	ug/l	99
24) 1,1-Dichloroethane	5.915	63	222969	46.472	ug/l	99
25) 2-Butanone	6.890	43	155279	214.357	ug/l	98
26) 2,2-Dichloropropane	6.884	77	199917	46.842	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	139352	46.913	ug/l	99
28) Bromochloromethane	7.244	49	98842	48.848	ug/l	98
29) Tetrahydrofuran	7.262	42	103430	221.852	ug/l	98
30) Chloroform	7.421	83	231492	46.388	ug/l	94
31) Cyclohexane	7.701	56	196299	44.882	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	209951	46.549	ug/l	99
36) 1,1-Dichloropropene	7.835	75	169689	50.100	ug/l	99
37) Ethyl Acetate	6.982	43	71529	44.748	ug/l	98
38) Carbon Tetrachloride	7.817	117	192102	49.520	ug/l	98
39) Methylcyclohexane	9.110	83	204403	50.518	ug/l	97
40) Benzene	8.079	78	499841	49.278	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36866	43.428 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	137468	48.074 ug/l	100
43) Isopropyl Acetate	8.195	43	140563	46.402 ug/l	99
44) Trichloroethene	8.866	130	128424	49.692 ug/l	99
45) 1,2-Dichloropropane	9.140	63	118428	49.325 ug/l	98
46) Dibromomethane	9.231	93	66580	48.116 ug/l	97
47) Bromodichloromethane	9.420	83	175976	49.080 ug/l	97
48) Methyl methacrylate	9.219	41	67680	48.681 ug/l	98
49) 1,4-Dioxane	9.231	88	13592	916.931 ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	380500	241.372 ug/l	99
52) Toluene	10.170	92	321091	50.737 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	156628	49.181 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	184020	48.979 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	86585	48.624 ug/l	99
56) Ethyl methacrylate	10.439	69	116496	51.235 ug/l	97
57) 1,3-Dichloropropane	10.719	76	151785	49.355 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	293090	264.232 ug/l	100
59) 2-Hexanone	10.762	43	255713	243.569 ug/l	100
60) Dibromochloromethane	10.914	129	123226	50.684 ug/l	100
61) 1,2-Dibromoethane	11.018	107	82662	49.485 ug/l	99
64) Tetrachloroethene	10.646	164	139676	49.667 ug/l	99
65) Chlorobenzene	11.444	112	343523	48.533 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	124267	49.482 ug/l	99
67) Ethyl Benzene	11.518	91	615700	50.727 ug/l	99
68) m/p-Xylenes	11.627	106	470149	101.155 ug/l	100
69) o-Xylene	11.957	106	217467	50.688 ug/l	99
70) Styrene	11.969	104	371495	51.933 ug/l	99
71) Bromoform	12.133	173	70273	49.056 ug/l #	99
73) Isopropylbenzene	12.255	105	584770	49.152 ug/l	100
74) N-amyl acetate	12.072	43	128883	46.159 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	94598	44.226 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	76890m	48.426 ug/l	
77) Bromobenzene	12.536	156	135583	47.465 ug/l	98
78) n-propylbenzene	12.597	91	712013	49.780 ug/l	100
79) 2-Chlorotoluene	12.682	91	403179	48.532 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	480341	49.401 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30582	44.380 ug/l	95
82) 4-Chlorotoluene	12.780	91	420225	48.519 ug/l	100
83) tert-Butylbenzene	12.999	119	422284	48.759 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	480654	50.015 ug/l	100
85) sec-Butylbenzene	13.176	105	628096	49.626 ug/l	100
86) p-Isopropyltoluene	13.292	119	527940	50.469 ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	269775	47.936 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	264990	47.658 ug/l	99
89) n-Butylbenzene	13.621	91	487055	50.346 ug/l	100
90) Hexachloroethane	13.883	117	110054	48.010 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	236937	48.364 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14822	44.709 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	131155	49.367 ug/l	99
94) Hexachlorobutadiene	15.023	225	80970	48.800 ug/l	99
95) Naphthalene	15.145	128	214835	48.786 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	112664	49.730 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

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

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

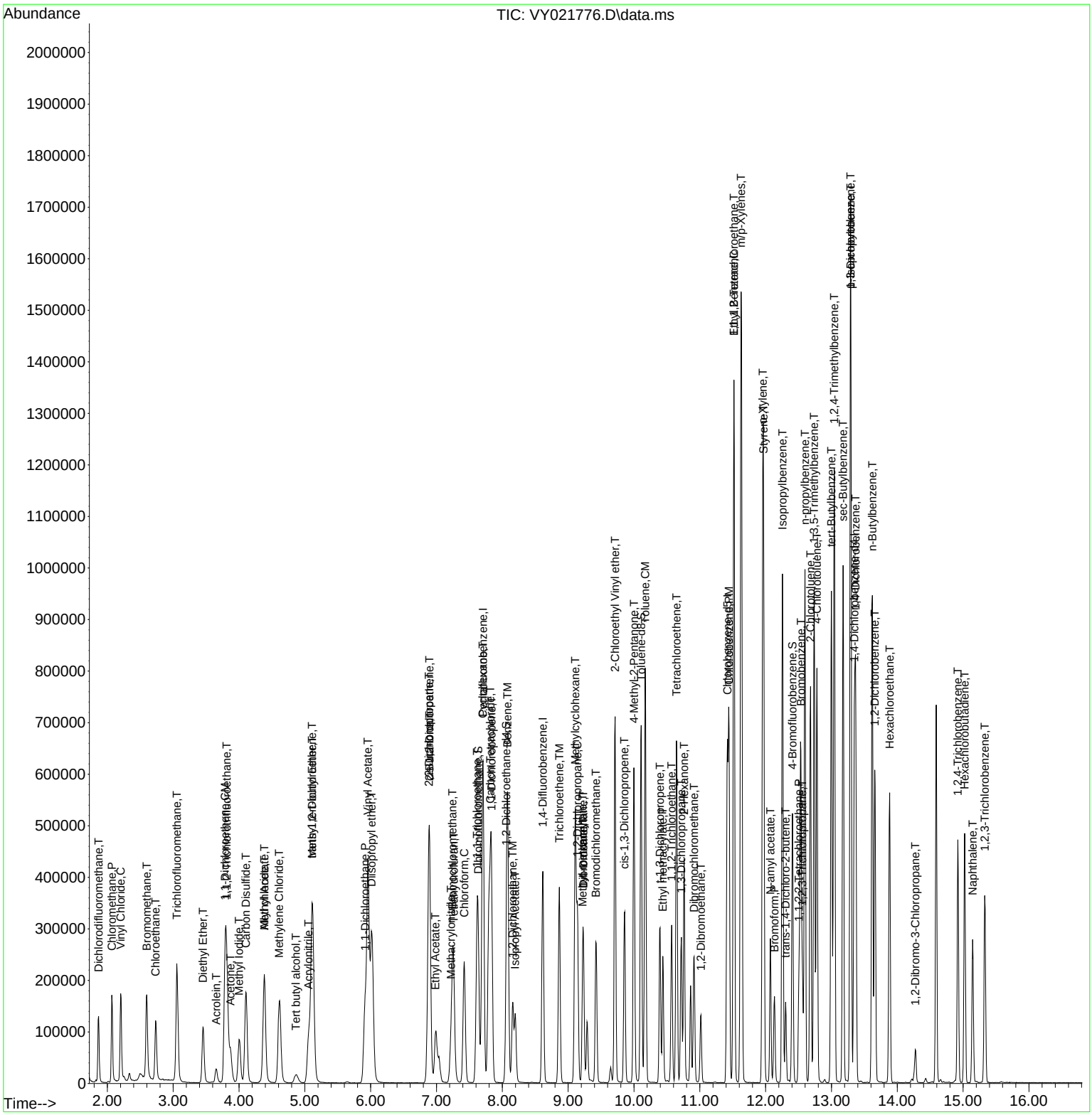
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Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

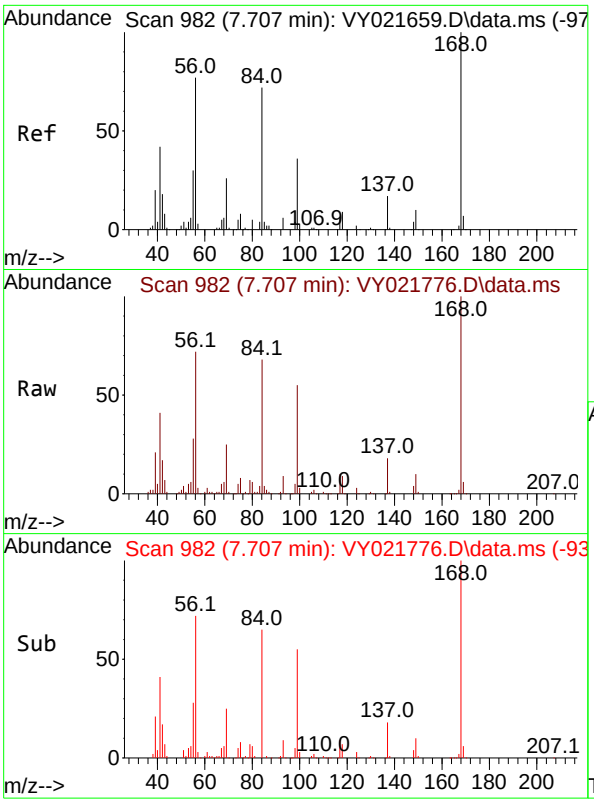
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED

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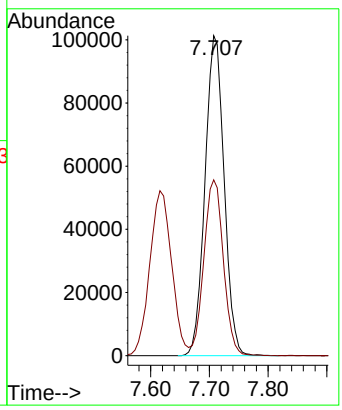




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:168 Resp: 22871

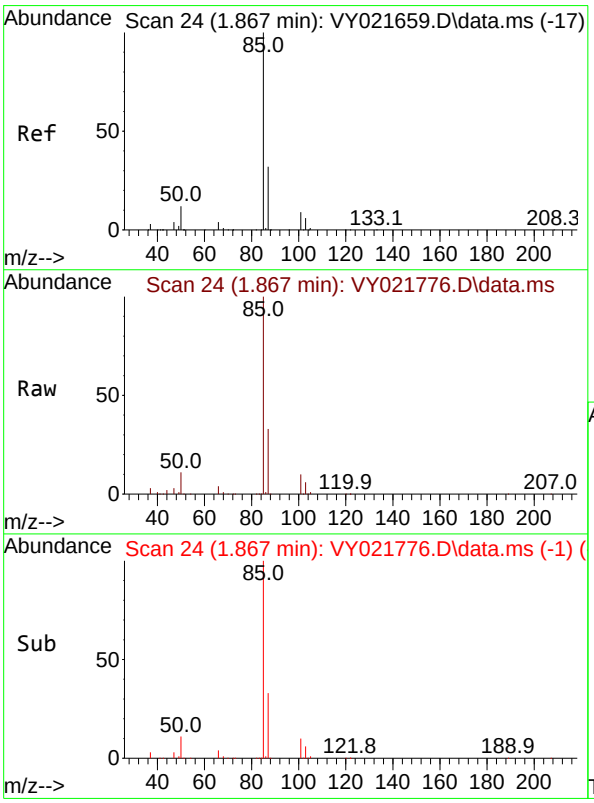
Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

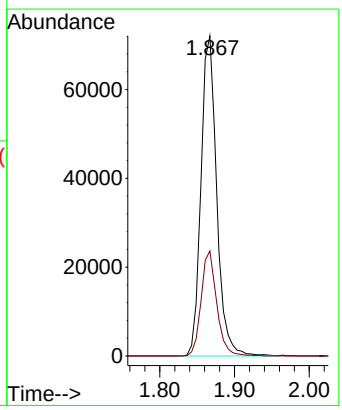
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

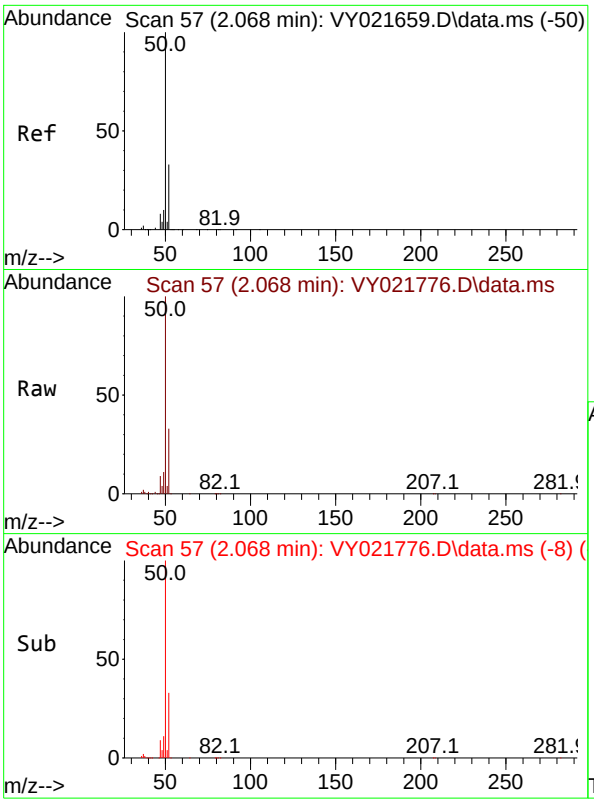


#2
Dichlorodifluoromethane
Concen: 44.355 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 85 Resp: 105148

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.2	48.6

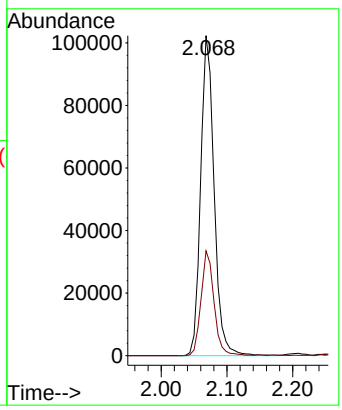




#3
Chloromethane
Concen: 43.781 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 50 Resp: 14593

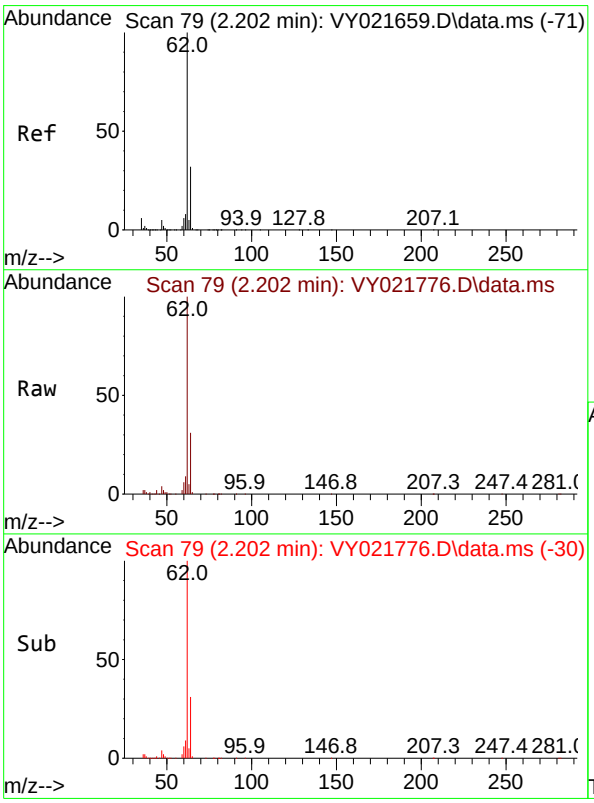
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

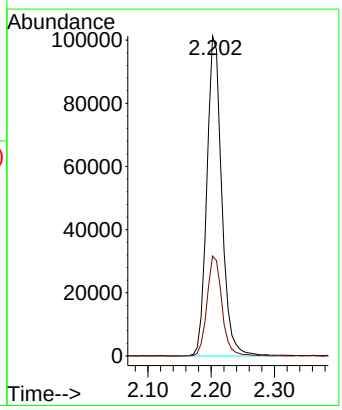
Reviewed By :Mahesh Dadoda 04/07/2025
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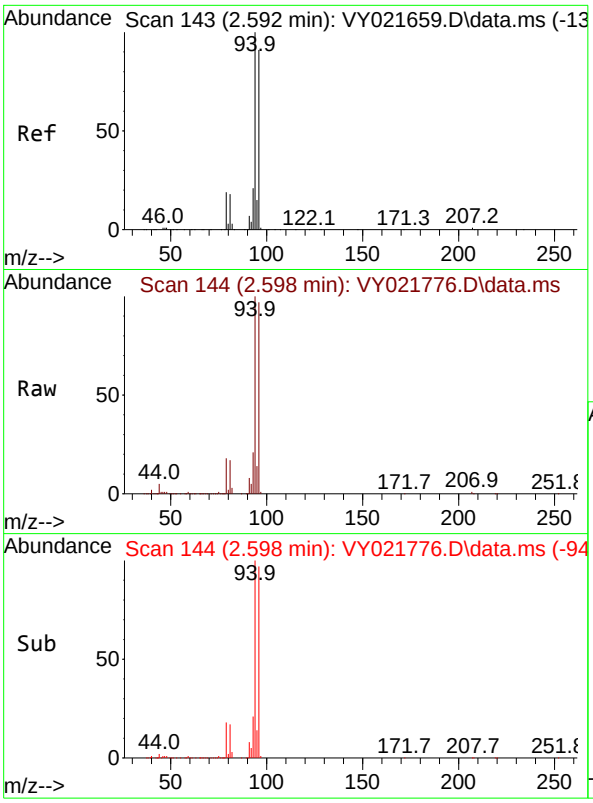


#4
Vinyl Chloride
Concen: 43.939 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 62 Resp: 165639

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3





#5
Bromomethane
Concen: 42.973 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

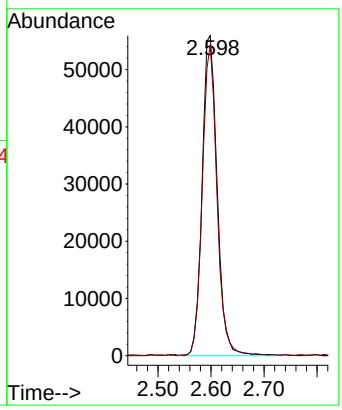
Tgt Ion: 94 Resp: 11048

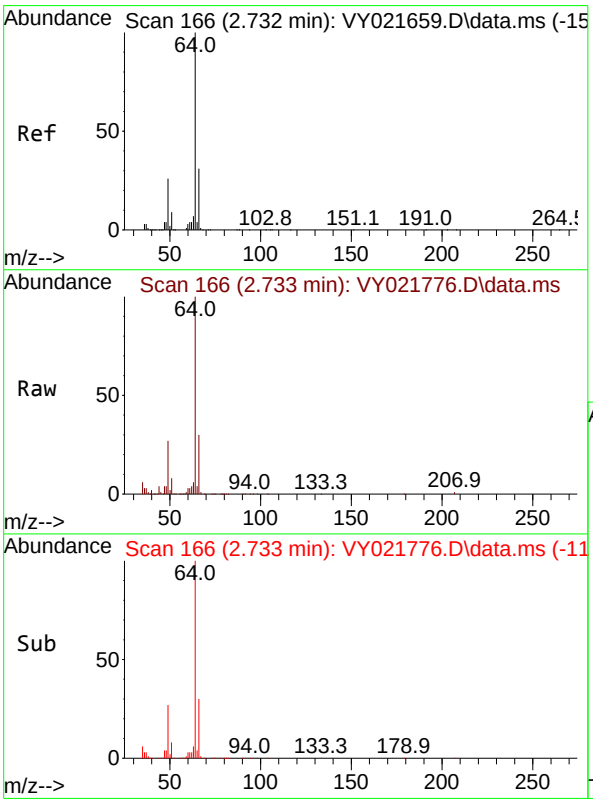
Ion	Ratio	Lower	Upper
94	100		
96	97.0	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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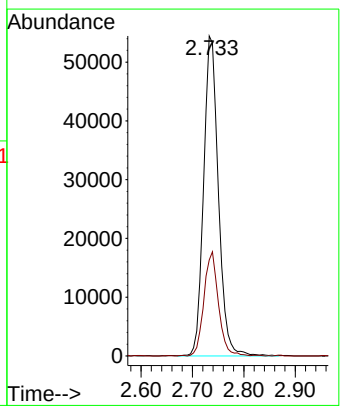


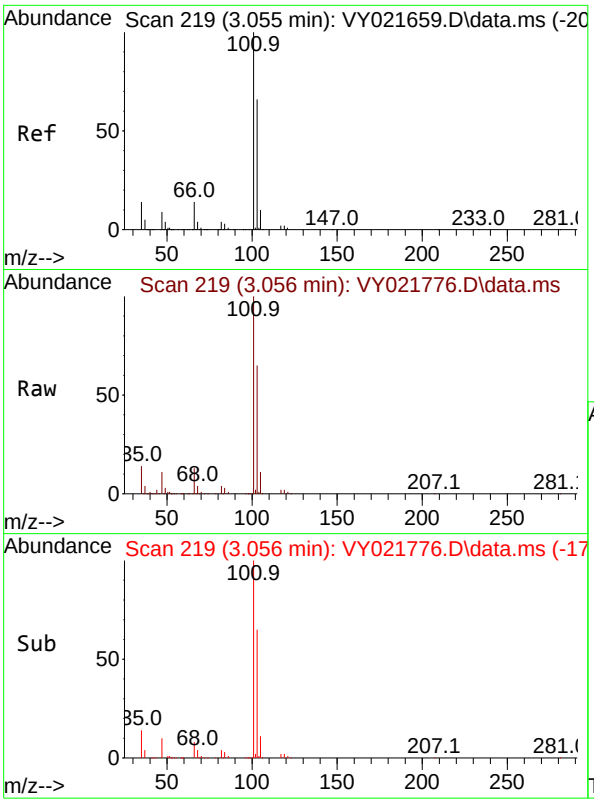


#6
Chloroethane
Concen: 44.025 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 64 Resp: 108599

Ion	Ratio	Lower	Upper
64	100		
66	29.9	24.9	37.3

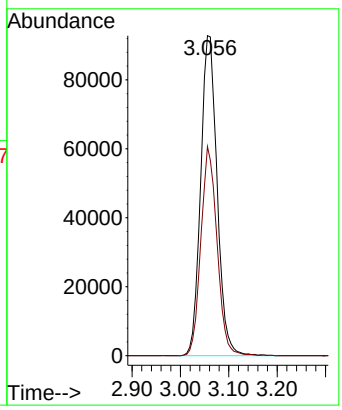




#7
Trichlorofluoromethane
Concen: 45.429 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:101 Resp: 21938

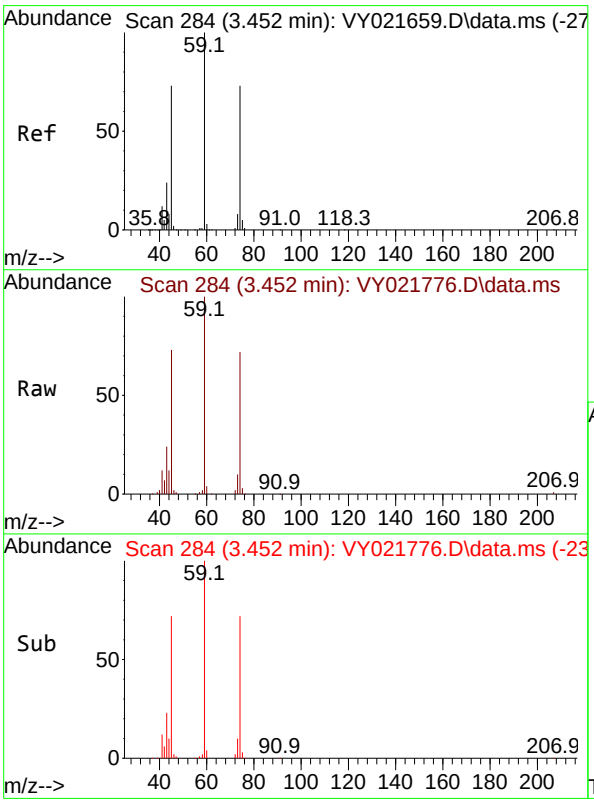
Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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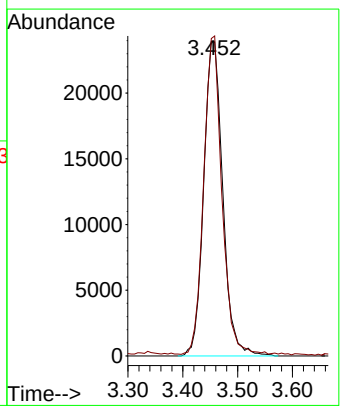
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

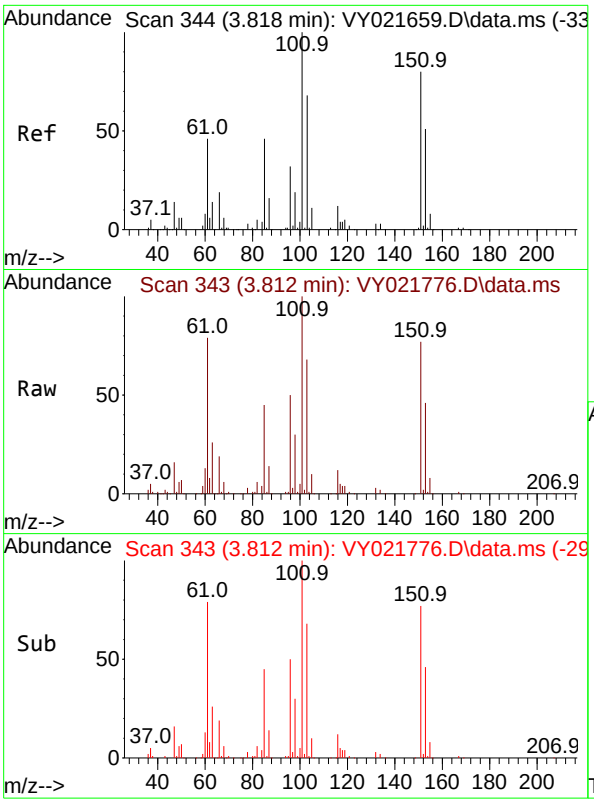


#8
Diethyl Ether
Concen: 43.889 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 74 Resp: 57638

Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.234 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

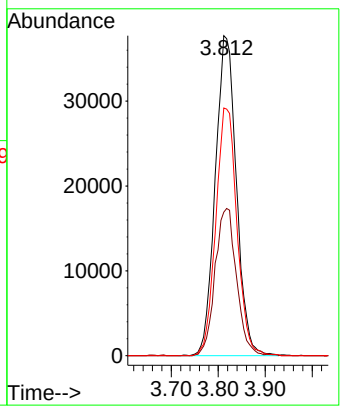
Tgt Ion:101 Resp: 11775

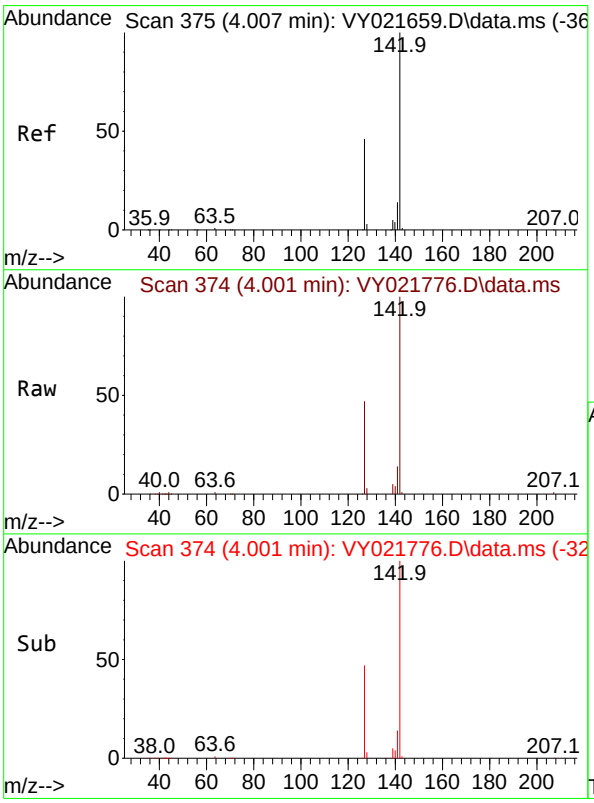
Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.3	54.5
151	77.8	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

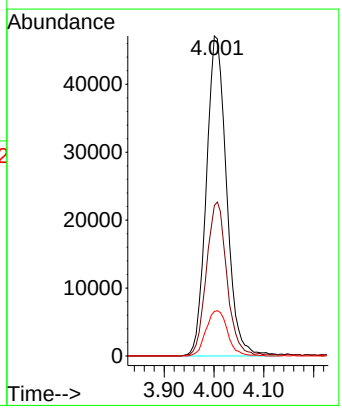


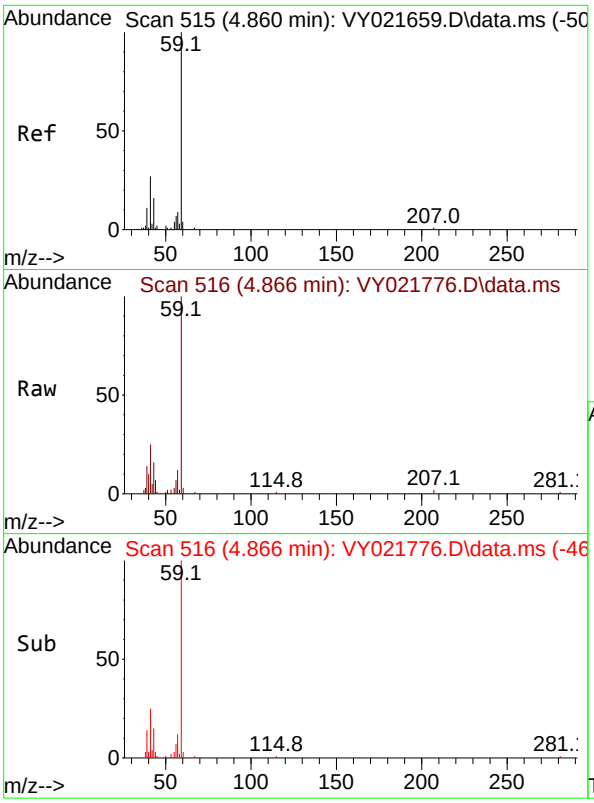


#10
Methyl Iodide
Concen: 47.511 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:142 Resp: 132756

Ion	Ratio	Lower	Upper
142	100		
127	48.5	38.7	58.1
141	15.0	11.5	17.3

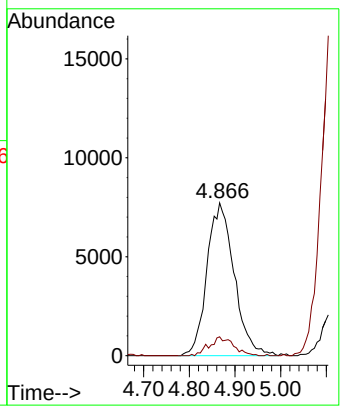




#11
Tert butyl alcohol
Concen: 198.281 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 59 Resp: 3191

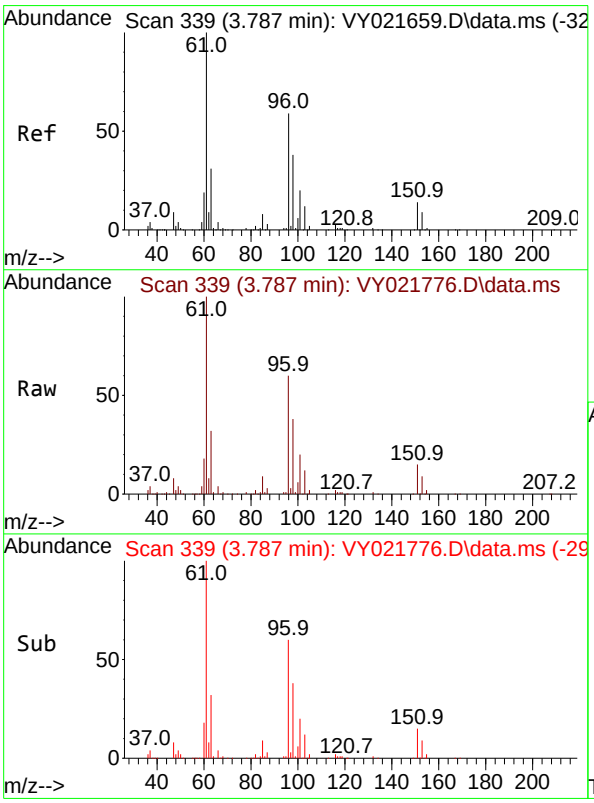
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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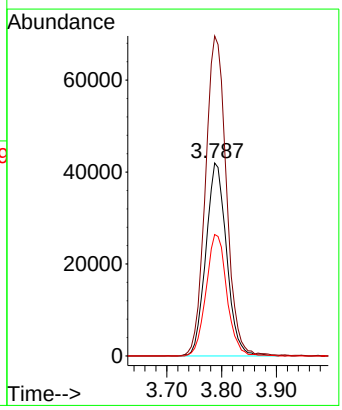
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

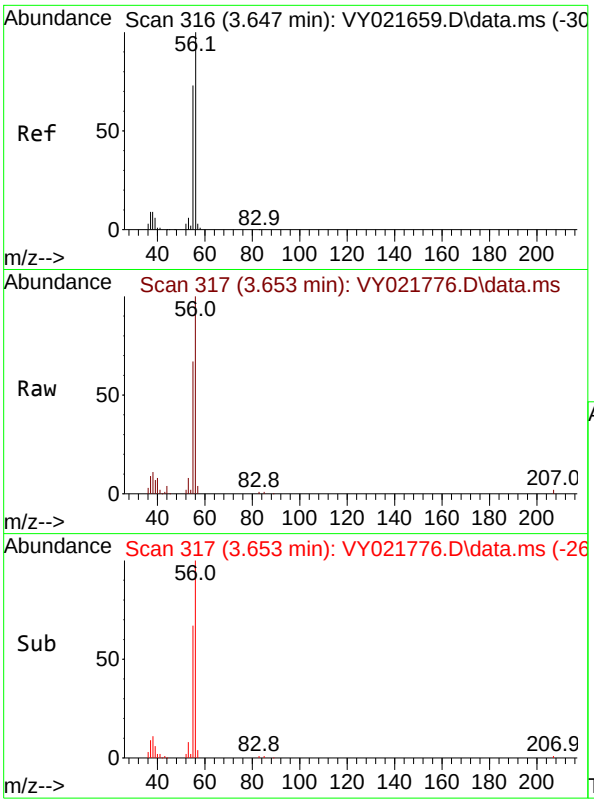


#12
1,1-Dichloroethene
Concen: 45.826 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 96 Resp: 109939

Ion	Ratio	Lower	Upper
96	100		
61	165.9	136.6	204.8
98	63.0	52.3	78.5

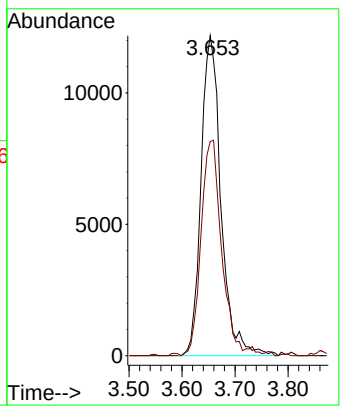




#13
Acrolein
Concen: 108.084 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 56 Resp: 3176

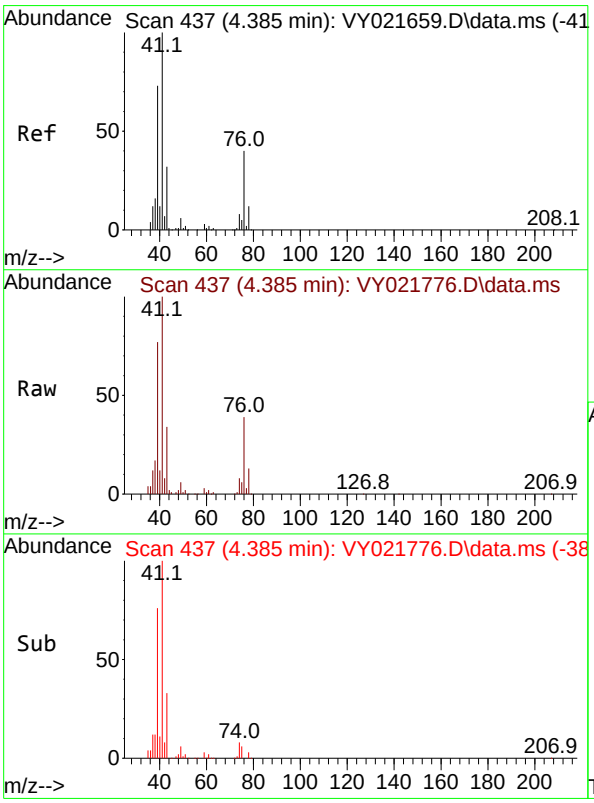
Ion	Ratio	Lower	Upper
56	100		
55	69.4	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

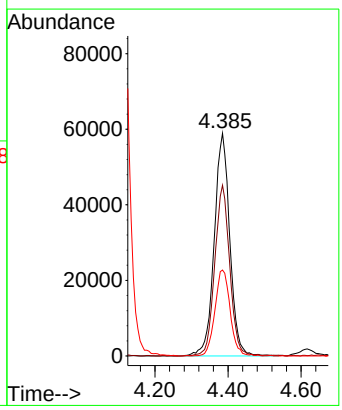
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

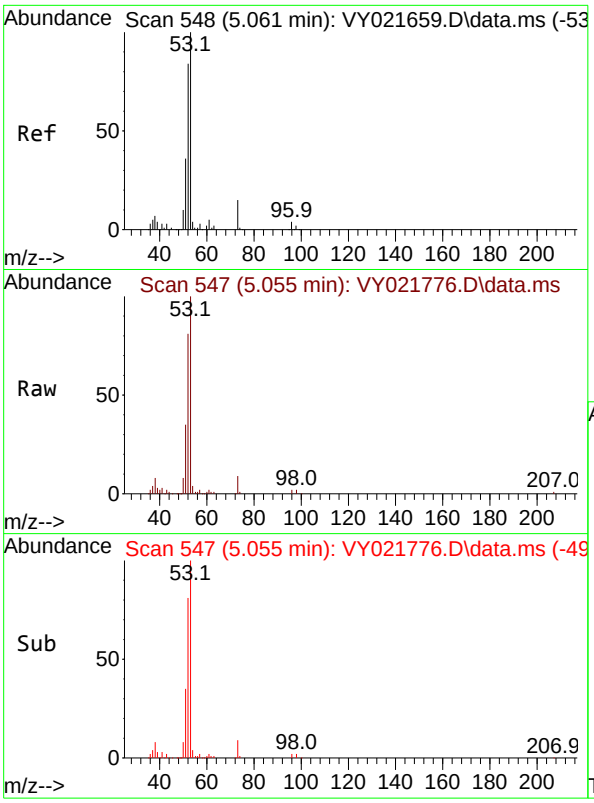


#14
Allyl chloride
Concen: 45.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 41 Resp: 174528

Ion	Ratio	Lower	Upper
41	100		
39	73.5	58.6	88.0
76	37.8	30.3	45.5

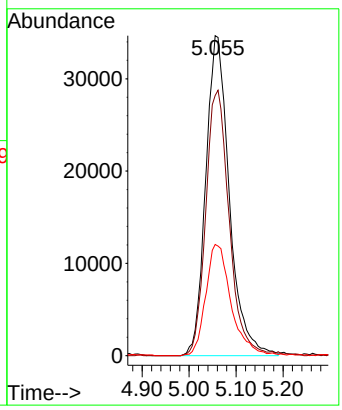




#15
Acrylonitrile
Concen: 220.642 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 53 Resp: 12098

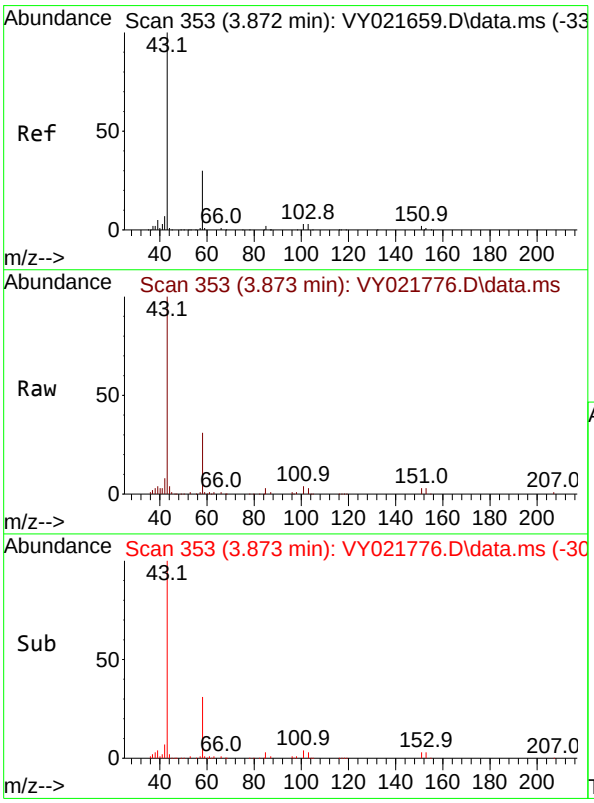
Ion	Ratio	Lower	Upper
53	100		
52	82.7	64.9	97.3
51	37.4	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

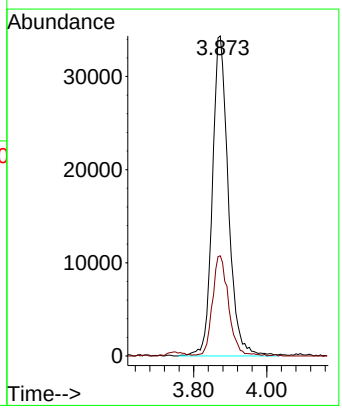
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

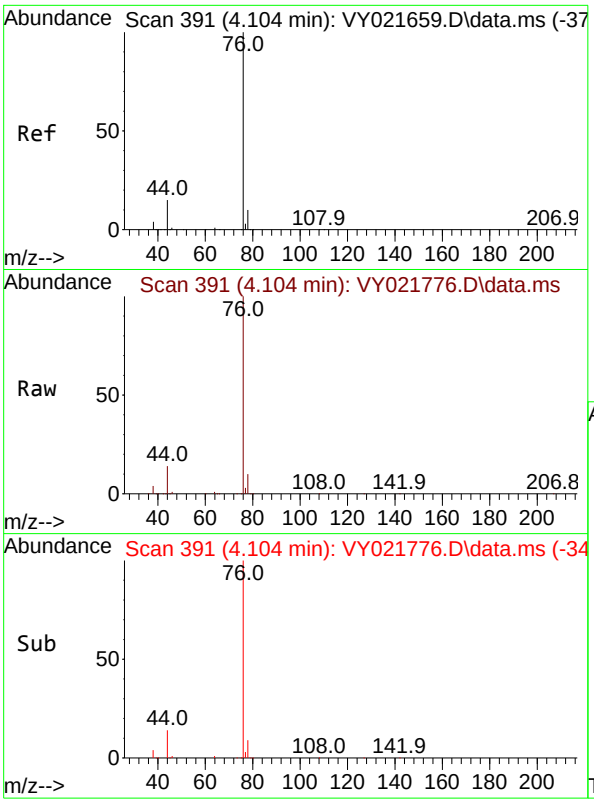


#16
Acetone
Concen: 205.322 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 104133

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.2	36.4

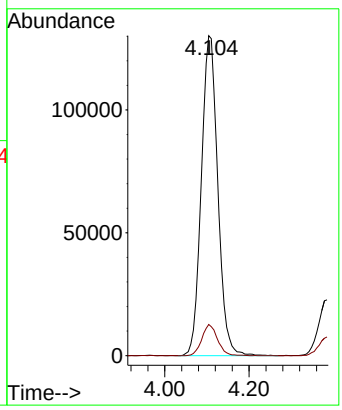




#17
Carbon Disulfide
Concen: 44.833 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 76 Resp: 35425

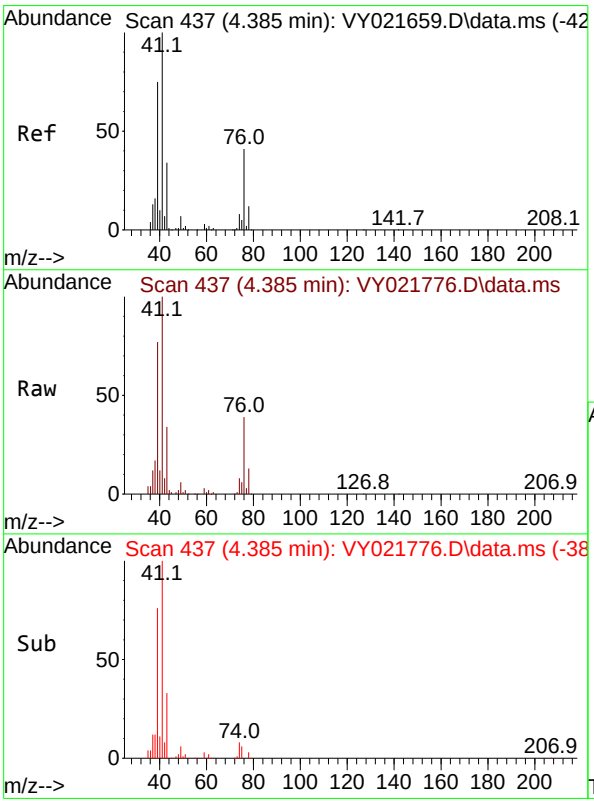
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

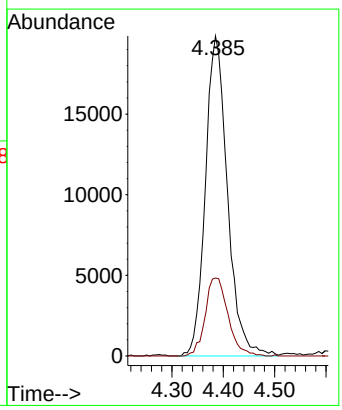
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

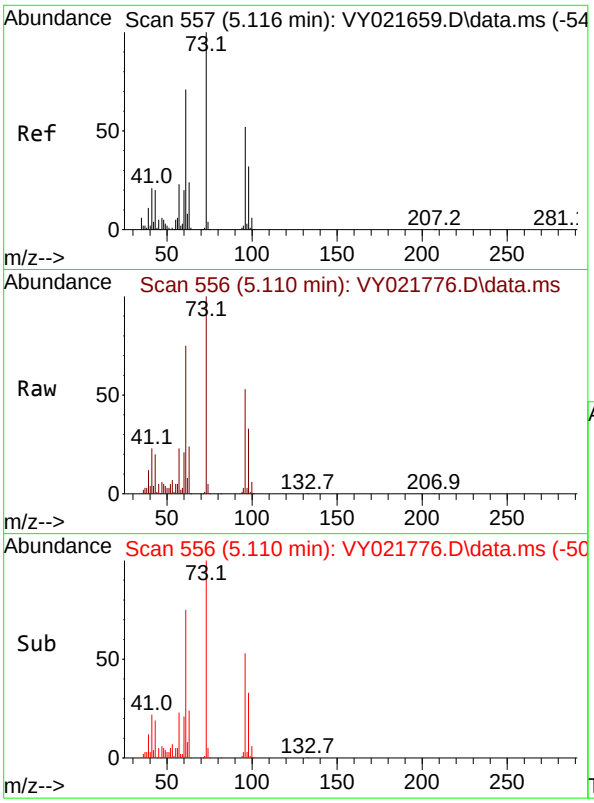


#18
Methyl Acetate
Concen: 47.090 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 59191

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 46.078 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

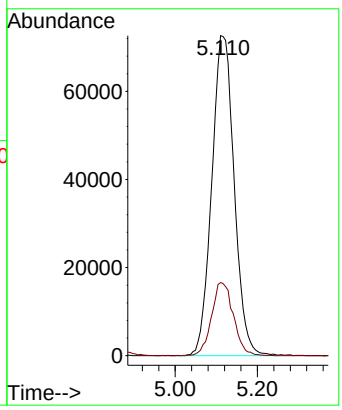
Tgt Ion: 73 Resp: 27521

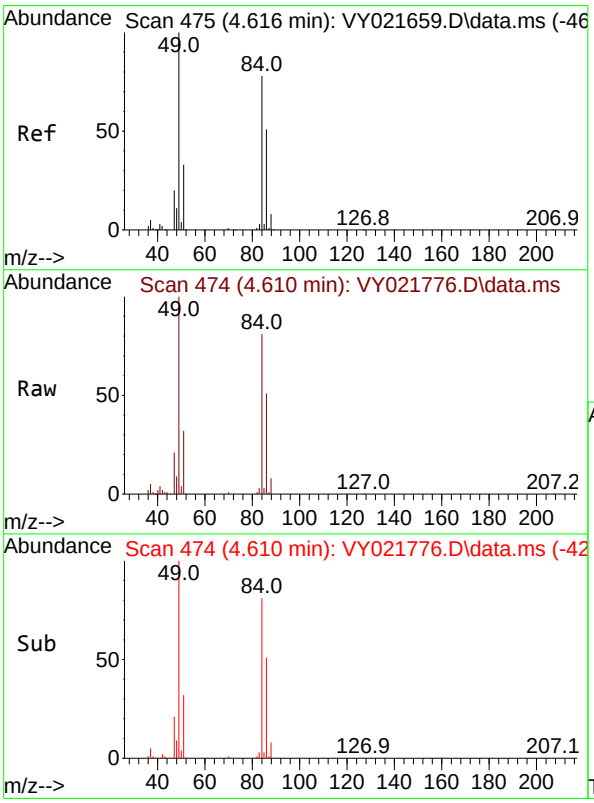
Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.1	27.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

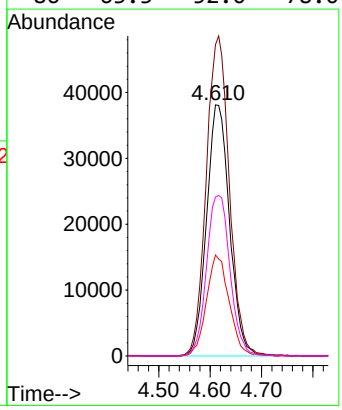


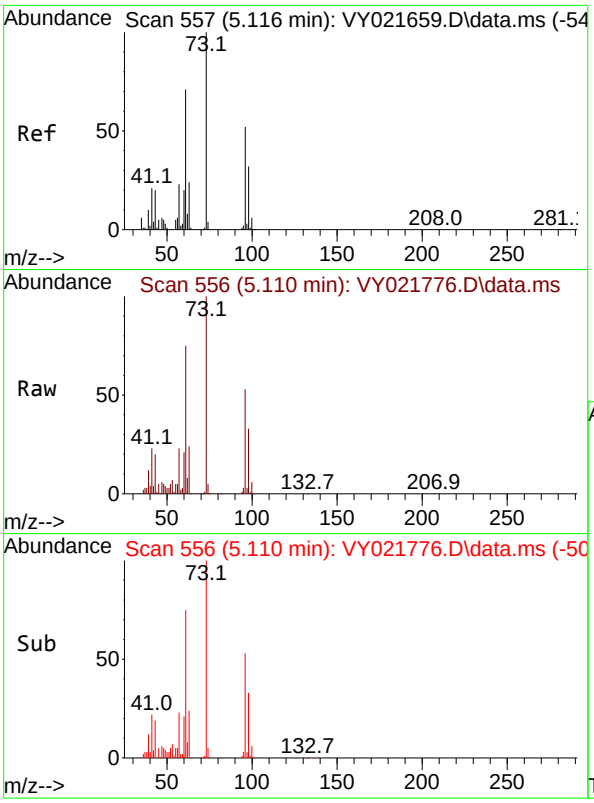


#20
Methylene Chloride
Concen: 47.558 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 84 Resp: 118494

Ion	Ratio	Lower	Upper
84	100		
49	124.0	102.8	154.2
51	40.2	33.5	50.3
86	63.3	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

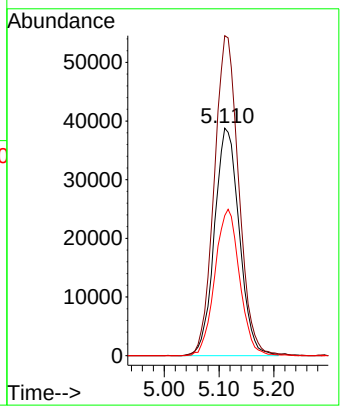
Tgt Ion: 96 Resp: 12207

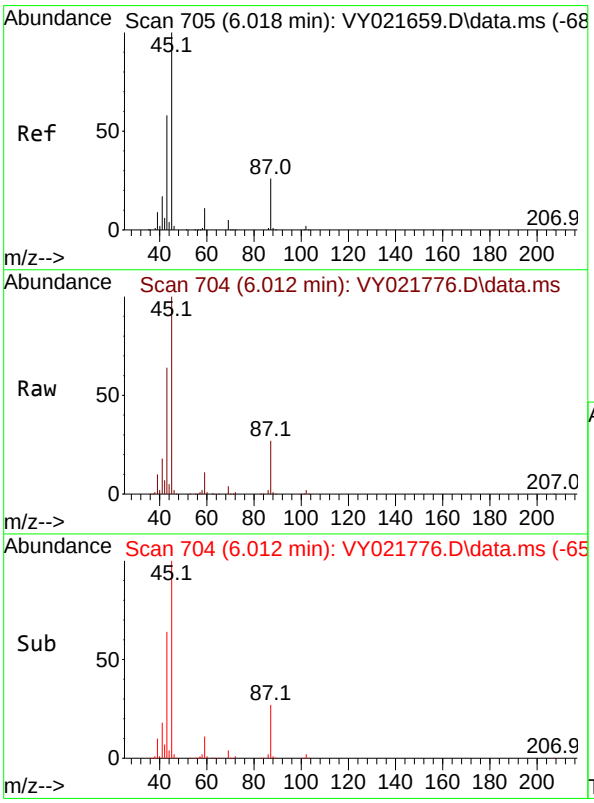
Ion	Ratio	Lower	Upper
96	100		
61	140.7	109.4	164.0
98	61.6	50.2	75.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

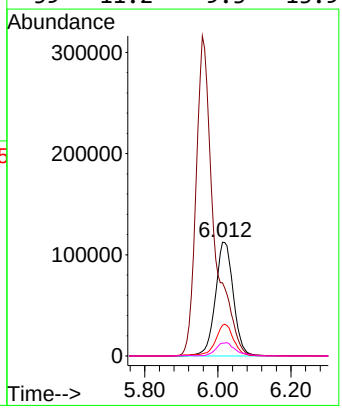


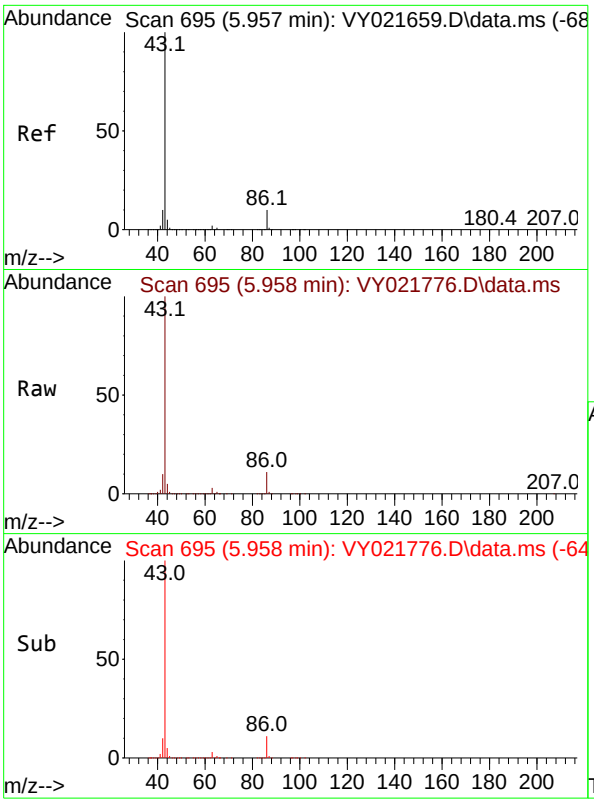


#22
Diisopropyl ether
Concen: 47.921 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 45 Resp: 384515

Ion	Ratio	Lower	Upper
45	100		
43	64.0	46.6	69.8
87	27.0	20.7	31.1
59	11.2	9.3	13.9





#23
Vinyl Acetate
Concen: 228.612 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

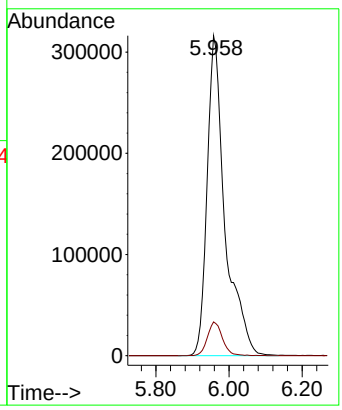
Tgt Ion: 43 Resp: 107311

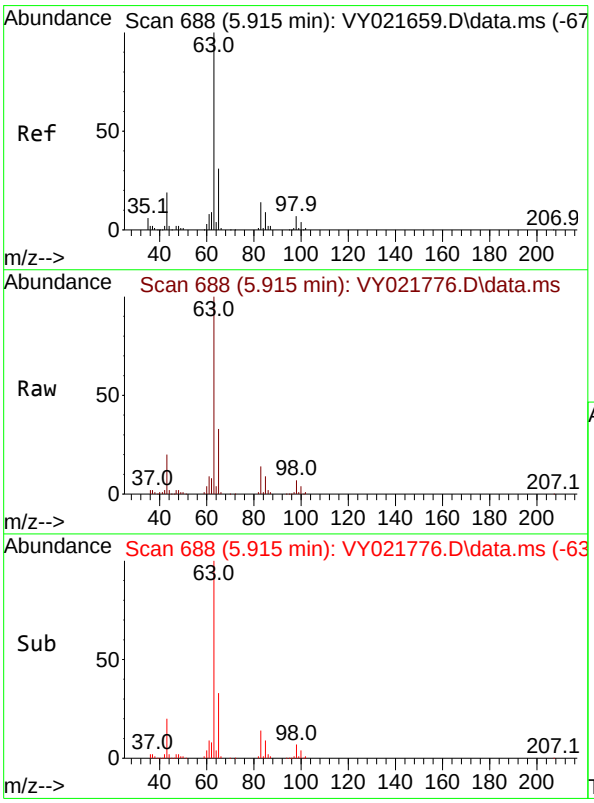
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

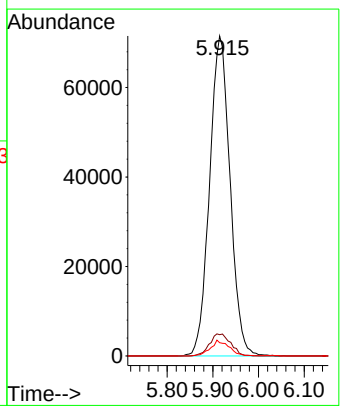


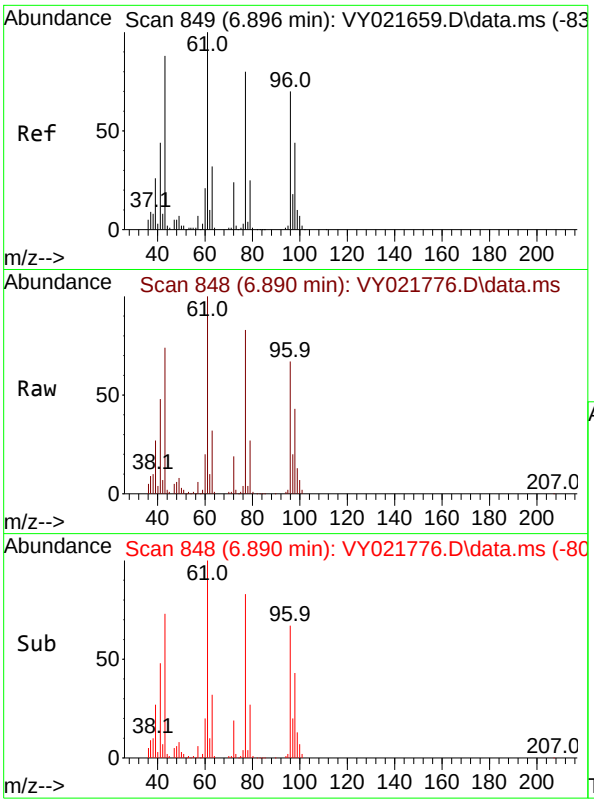


#24
1,1-Dichloroethane
Concen: 46.472 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 63 Resp: 222969

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.1	2.2	6.6

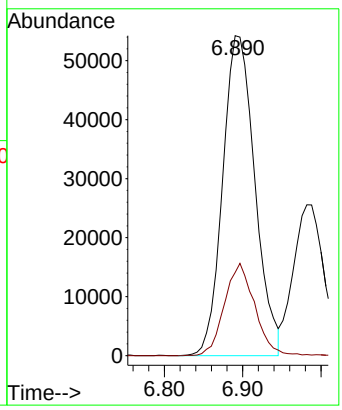




#25
2-Butanone
Concen: 214.357 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 15527

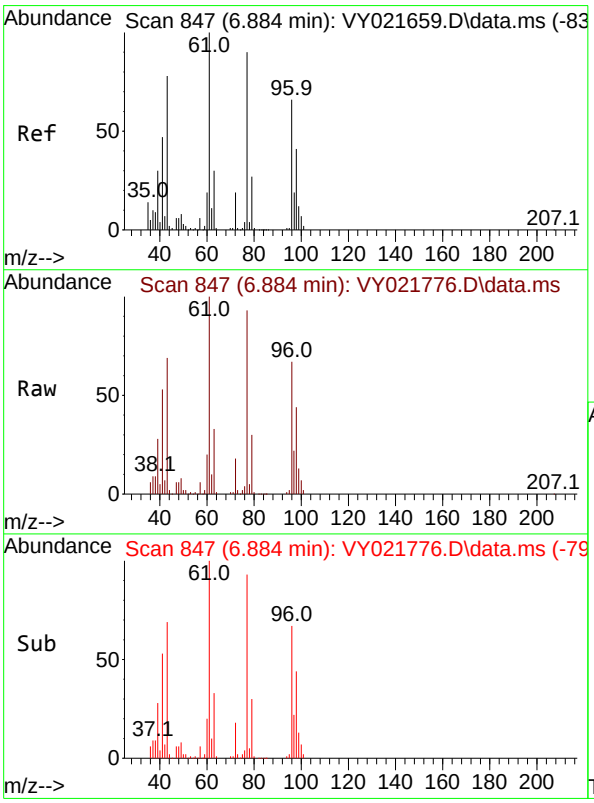
Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

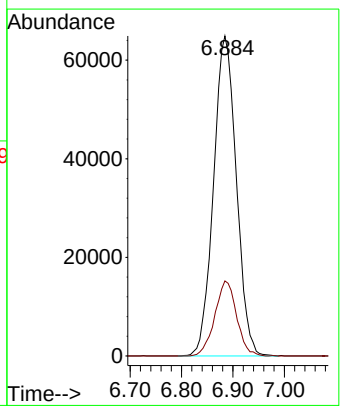
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

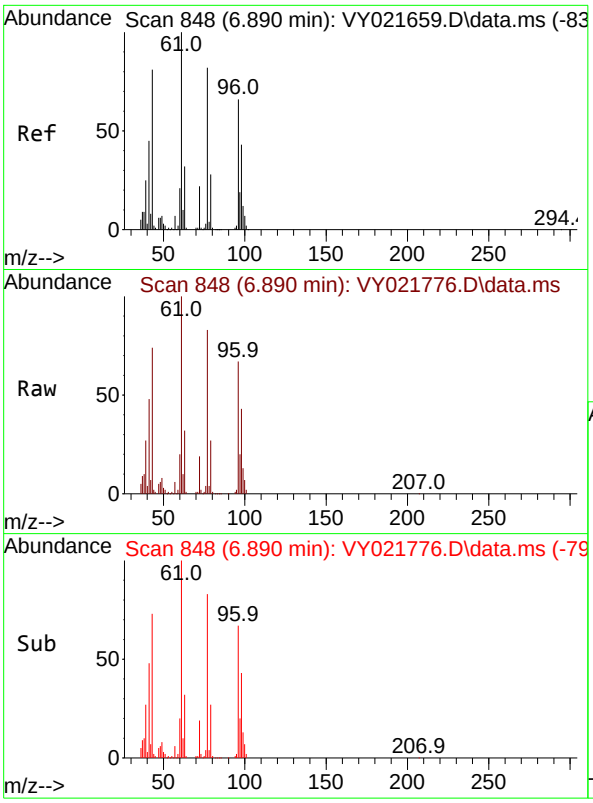


#26
2,2-Dichloropropane
Concen: 46.842 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 77 Resp: 199917

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 46.913 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

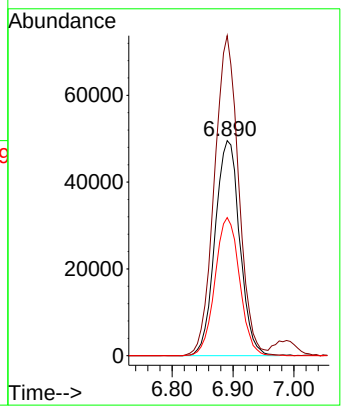
Tgt Ion: 96 Resp: 13935

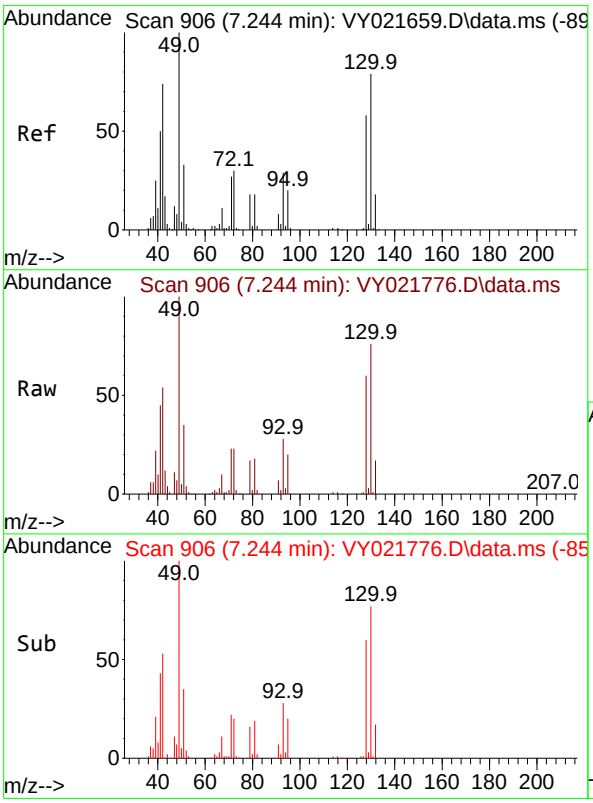
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	296.4
98	64.1	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

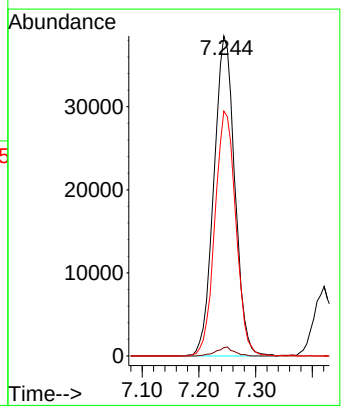


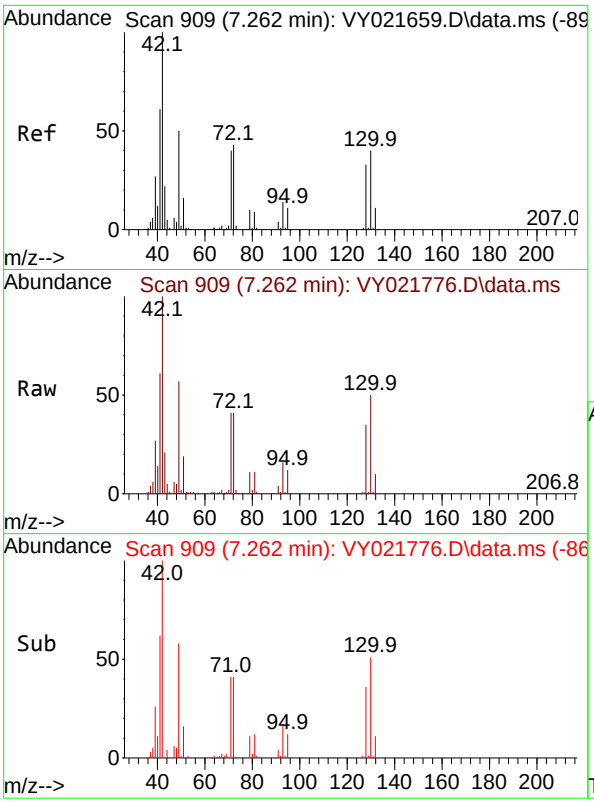


#28
Bromochloromethane
Concen: 48.848 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 49 Resp: 98842

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	76.6	60.1	90.1





#29
Tetrahydrofuran
Concen: 221.852 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

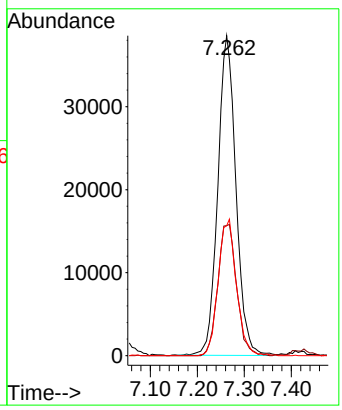
Tgt Ion: 42 Resp: 10343

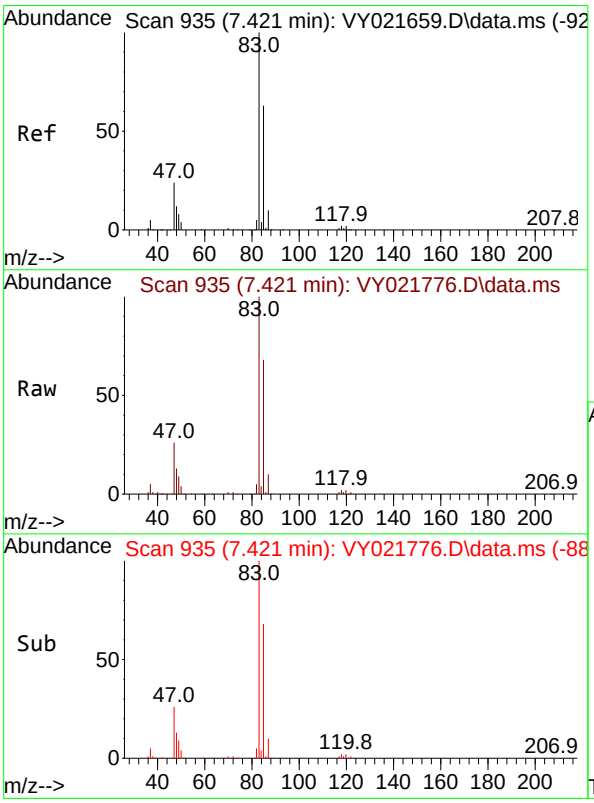
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	52.0
71	42.9	32.5	48.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

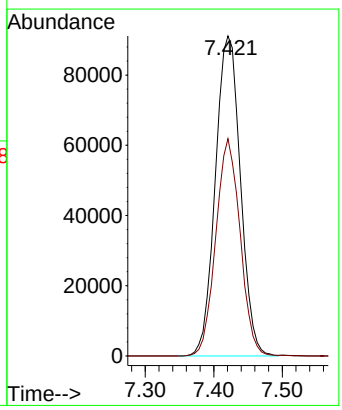


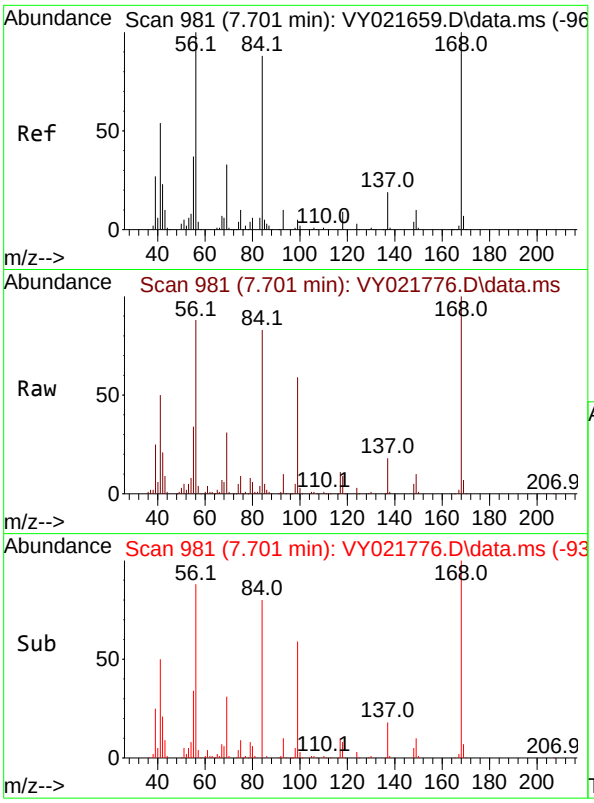


#30
Chloroform
Concen: 46.388 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 83 Resp: 231492

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.6	75.8





#31
Cyclohexane
Concen: 44.882 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

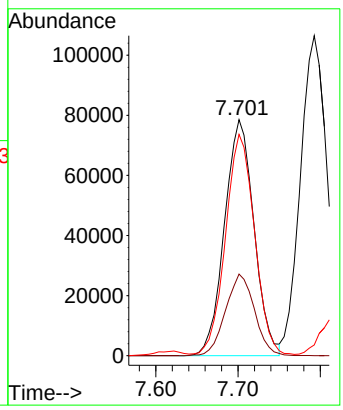
Tgt Ion: 56 Resp: 19629

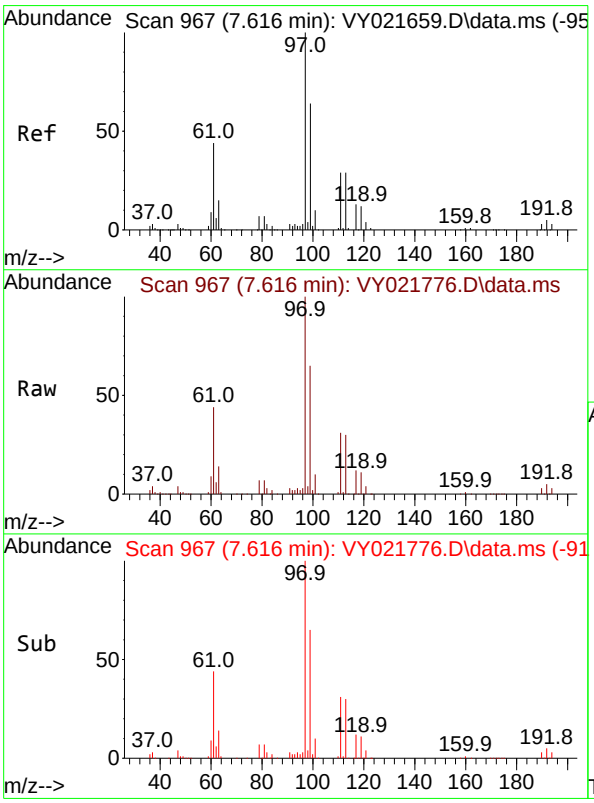
Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.6	40.0
84	92.3	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

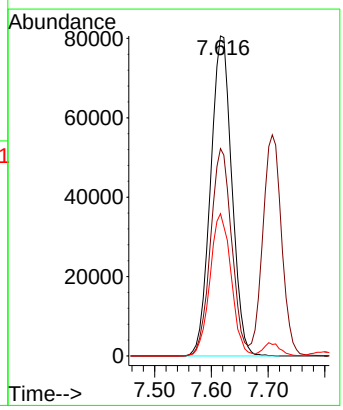


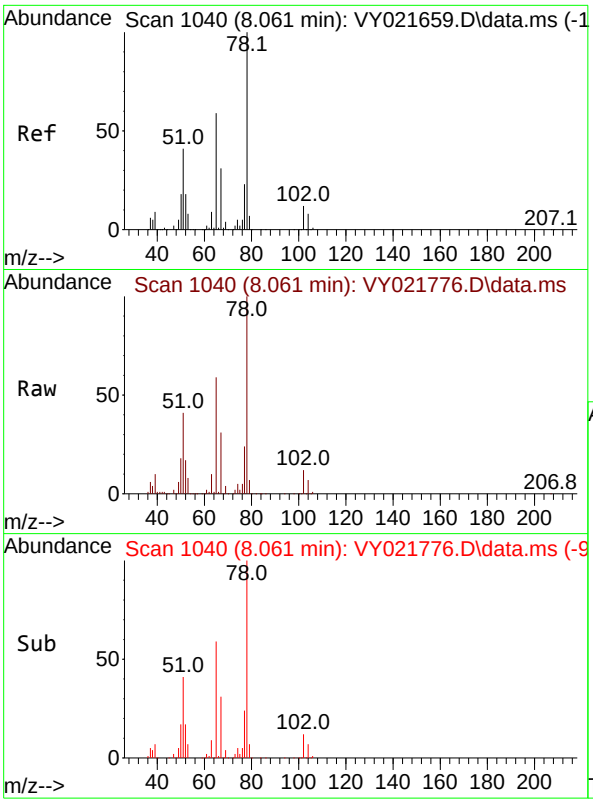


#32
1,1,1-Trichloroethane
Concen: 46.549 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 97 Resp: 209951

Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.7	76.1
61	44.3	35.2	52.8

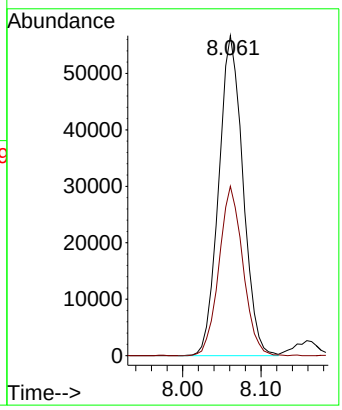




#33
1,2-Dichloroethane-d4
Concen: 49.189 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 65 Resp: 12189

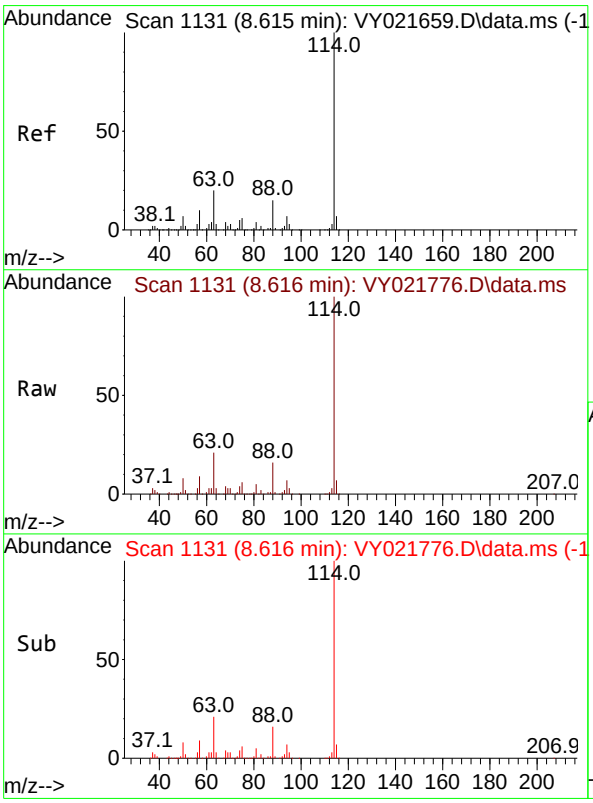
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

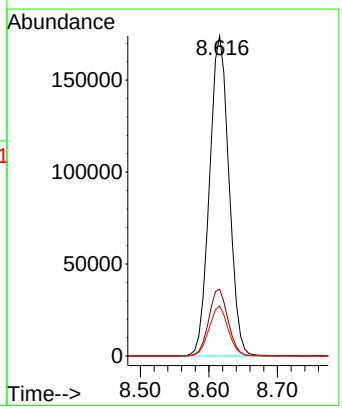
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

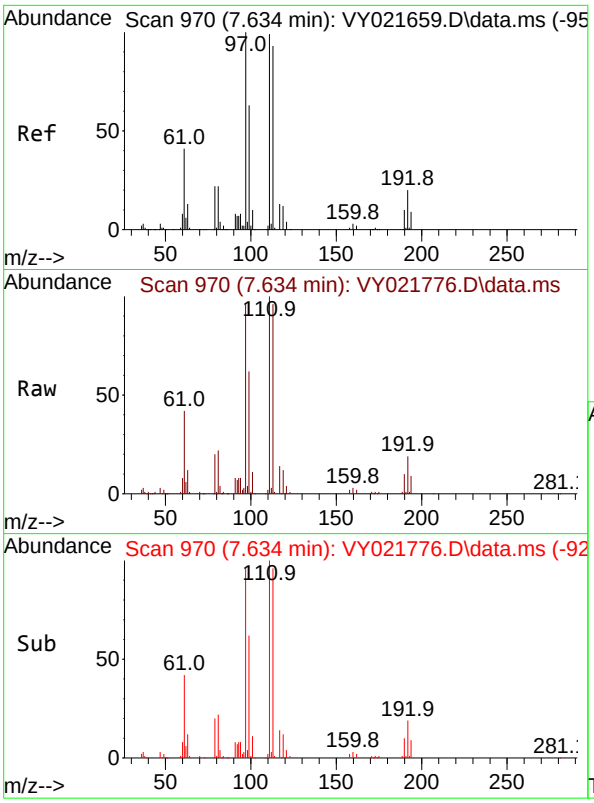


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:114 Resp: 342799

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.2
88	15.7	0.0	29.8





#35
Dibromofluoromethane
Concen: 51.952 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

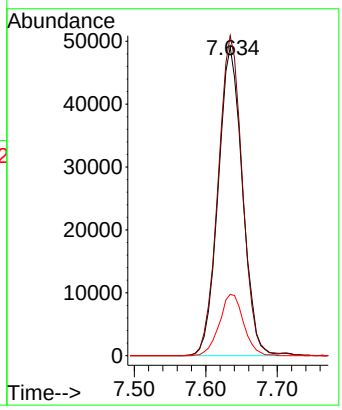
Tgt Ion:113 Resp: 11552

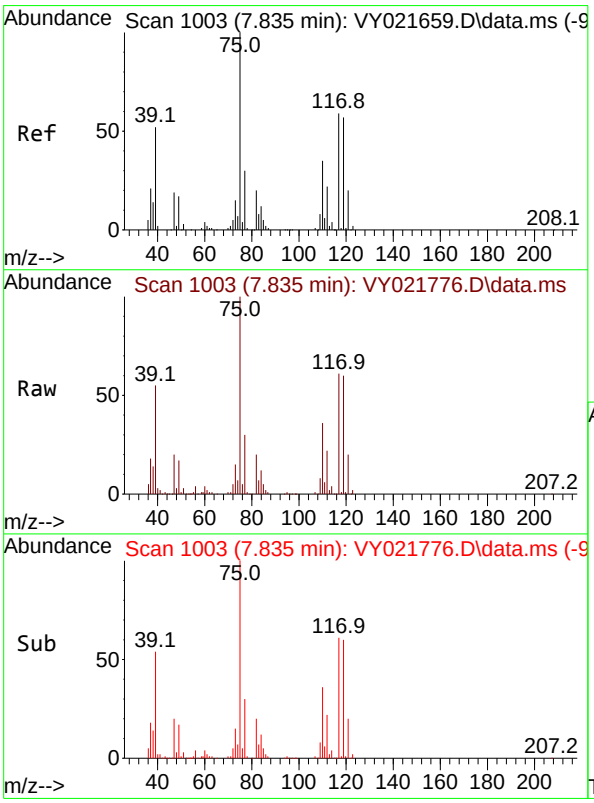
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	19.9	16.2	24.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

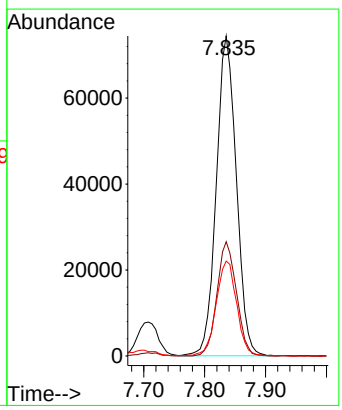


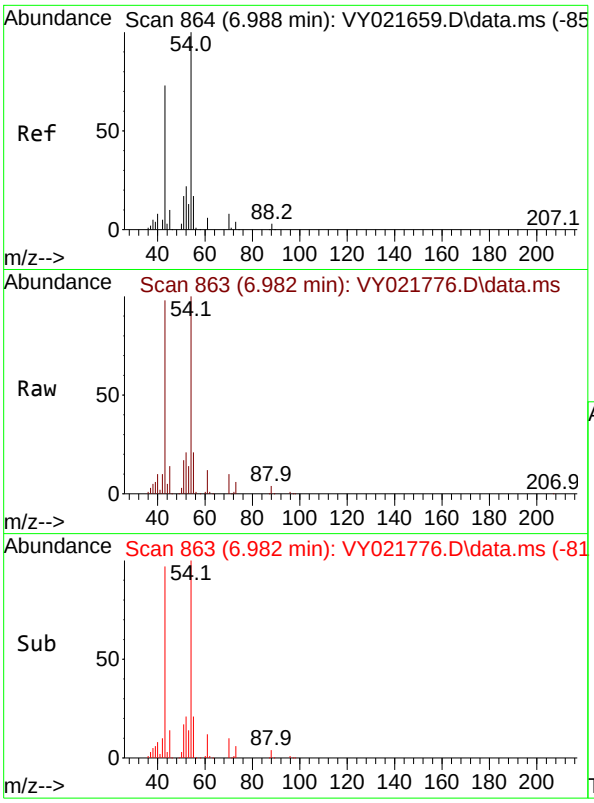


#36
1,1-Dichloropropene
Concen: 50.100 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 169689

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.0	50.9
77	30.4	24.8	37.2





#37
Ethyl Acetate
Concen: 44.748 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

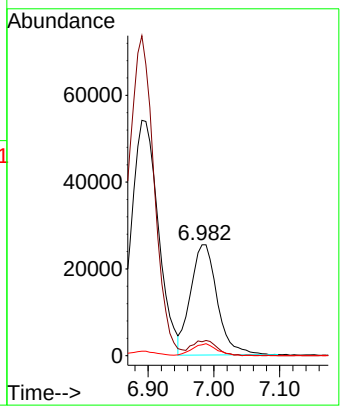
Tgt Ion: 43 Resp: 7152

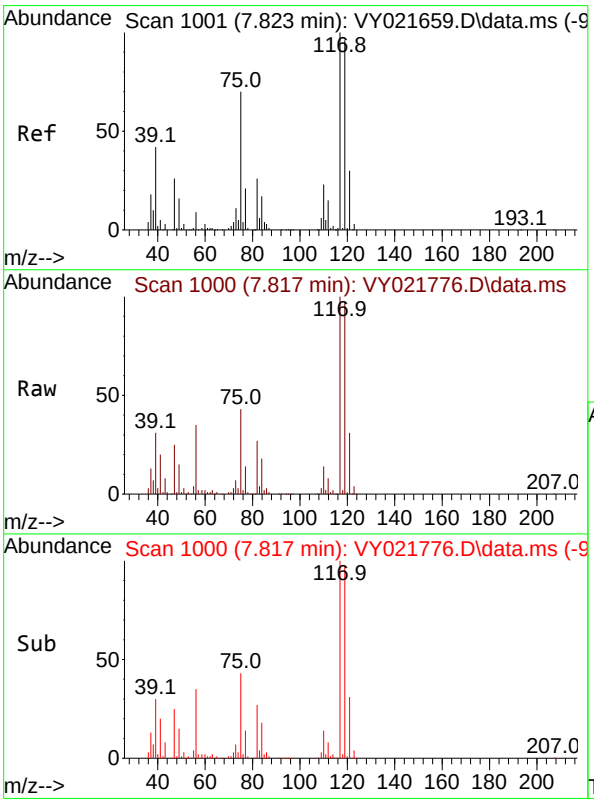
Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.0	16.6
70	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

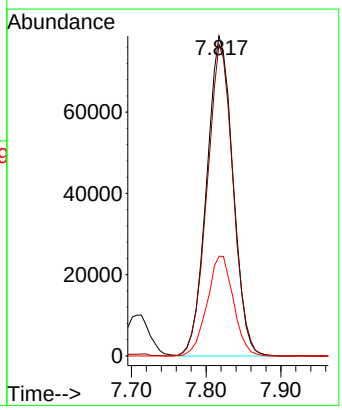


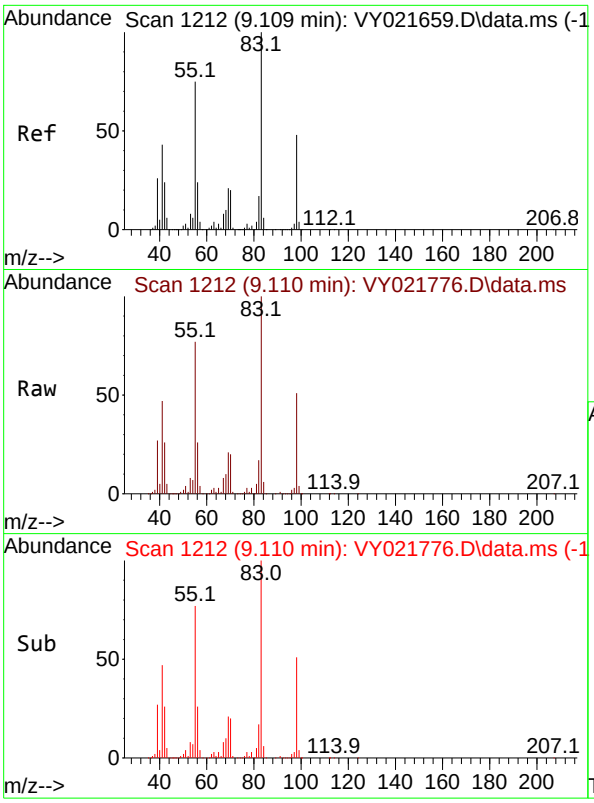


#38
Carbon Tetrachloride
Concen: 49.520 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:117 Resp: 192102

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.2	114.4
121	31.1	24.2	36.4





#39
Methylcyclohexane
Concen: 50.518 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

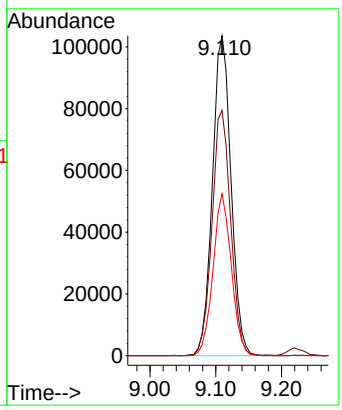
Tgt Ion: 83 Resp: 20440

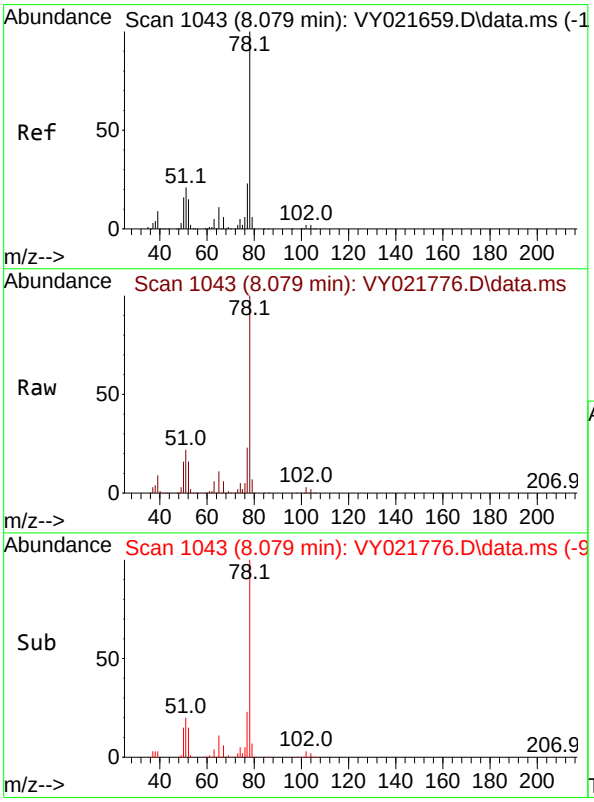
Ion	Ratio	Lower	Upper
83	100		
55	76.6	59.7	89.5
98	50.6	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

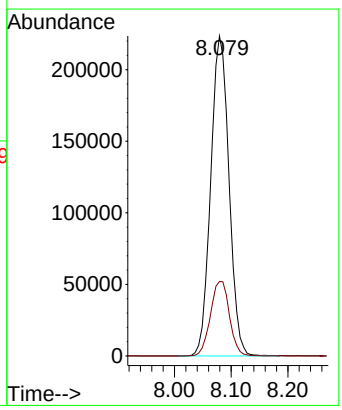


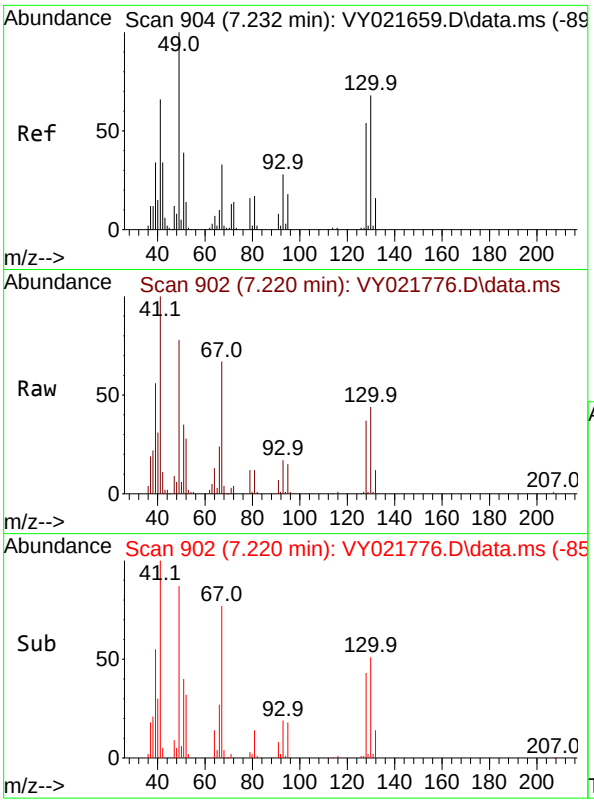


#40
Benzene
Concen: 49.278 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 78 Resp: 499841

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

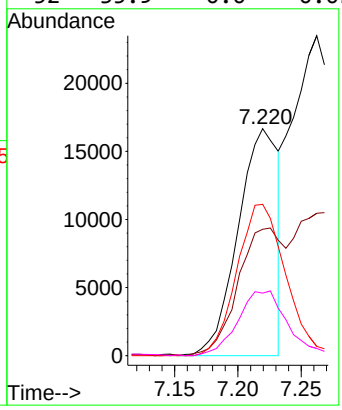




#41
Methacrylonitrile
Concen: 43.428 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 41 Resp: 3686

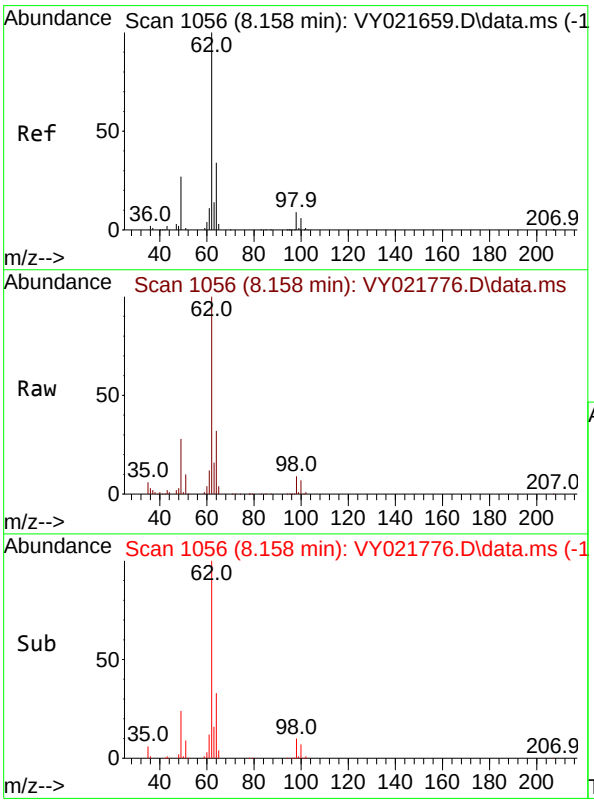
Ion	Ratio	Lower	Upper
41	100		
39	64.9	0.0	0.0#
67	81.4	0.0	0.0#
52	35.9	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

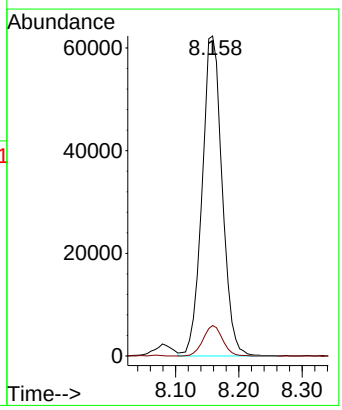
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

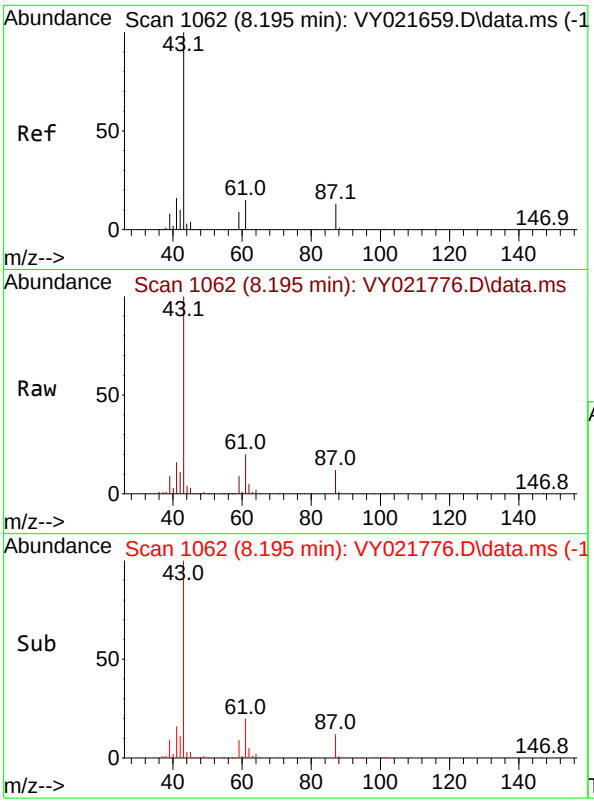


#42
1,2-Dichloroethane
Concen: 48.074 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 62 Resp: 137468

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

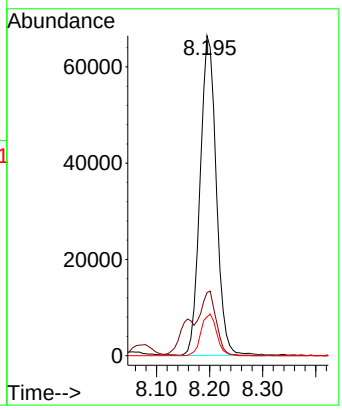




#43
Isopropyl Acetate
Concen: 46.402 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 14056

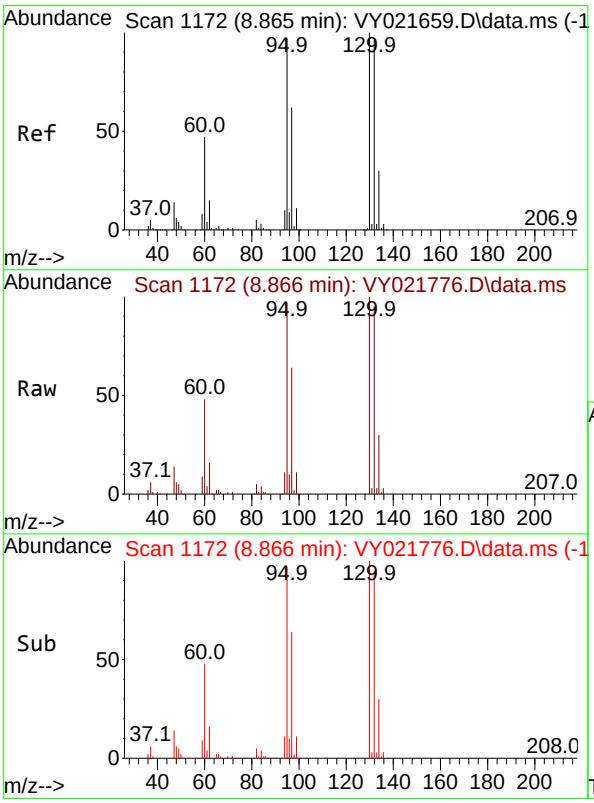
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.9	23.9
87	12.6	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

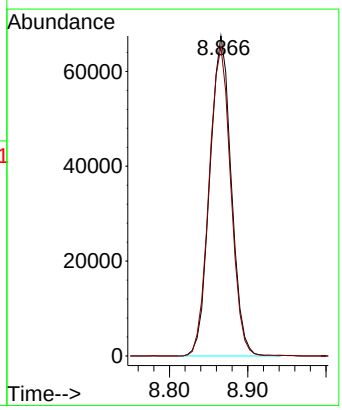
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

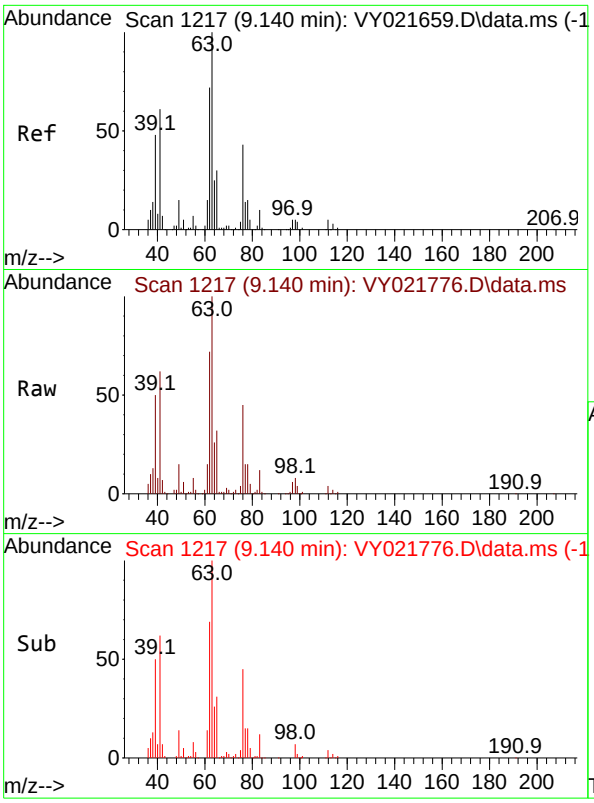


#44
Trichloroethene
Concen: 49.692 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:130 Resp: 128424

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	194.8

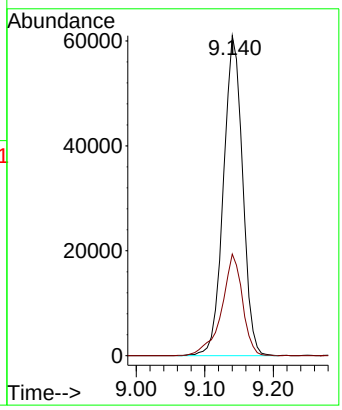




#45
1,2-Dichloropropane
Concen: 49.325 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 63 Resp: 11842

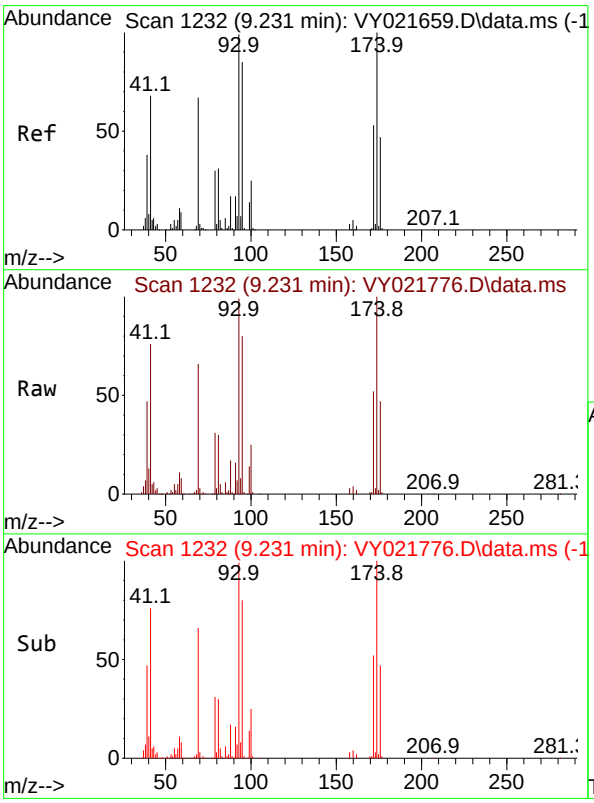
Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

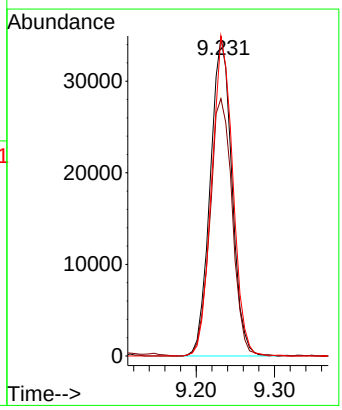
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

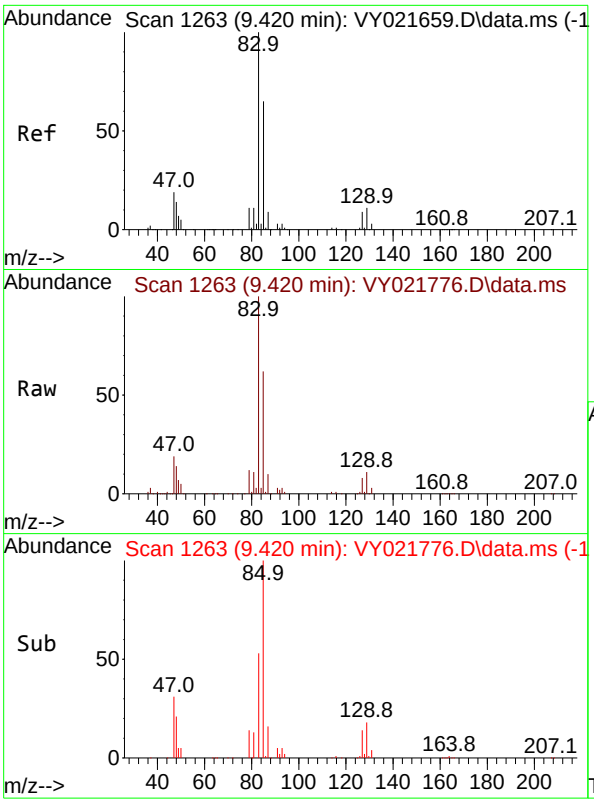


#46
Dibromomethane
Concen: 48.116 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 93 Resp: 66580

Ion	Ratio	Lower	Upper
93	100		
95	83.4	68.1	102.1
174	98.1	80.9	121.3

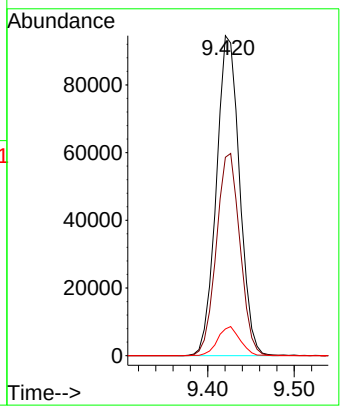




#47
Bromodichloromethane
Concen: 49.080 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 83 Resp: 17597

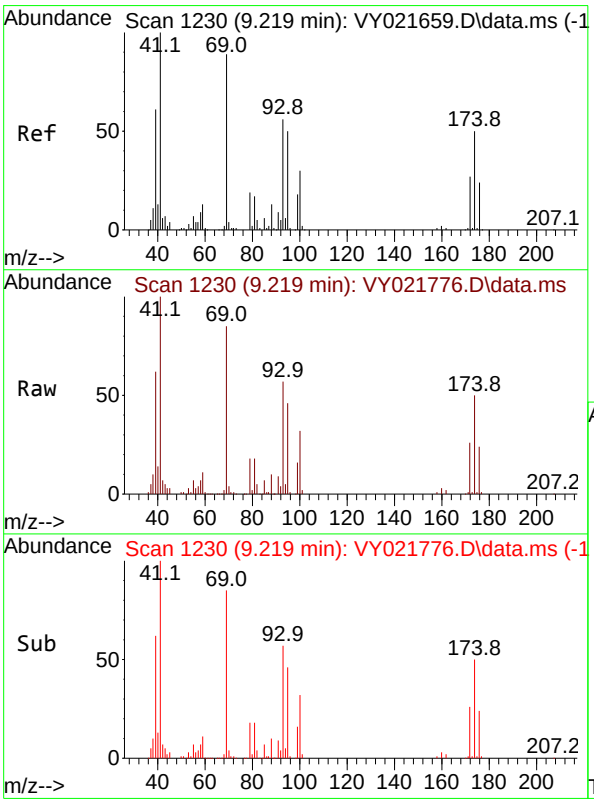
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.6
127	8.3	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

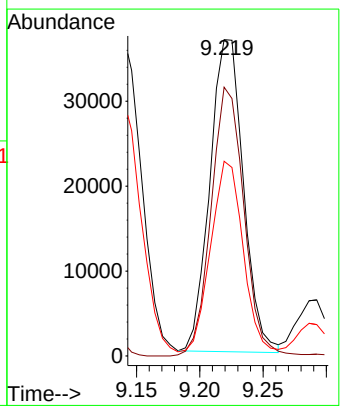
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

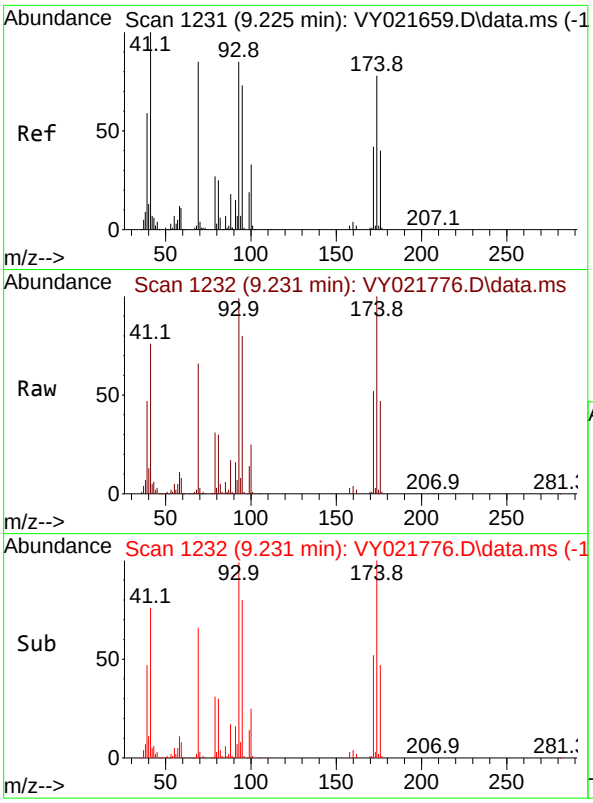


#48
Methyl methacrylate
Concen: 48.681 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 41 Resp: 67680

Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.8	104.8
39	59.0	47.2	70.8

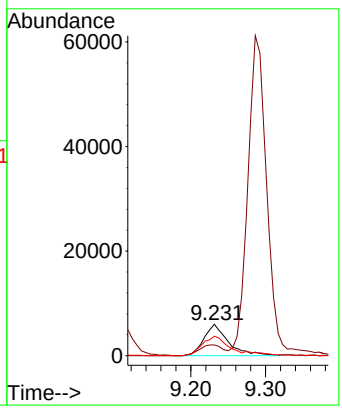




#49
1,4-Dioxane
Concen: 916.931 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 88 Resp: 1359

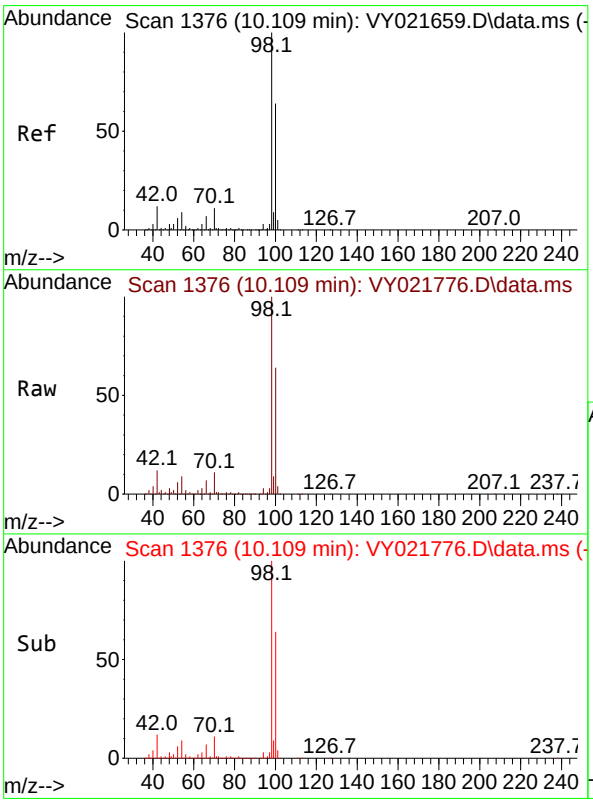
Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.8	43.2
58	75.3	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

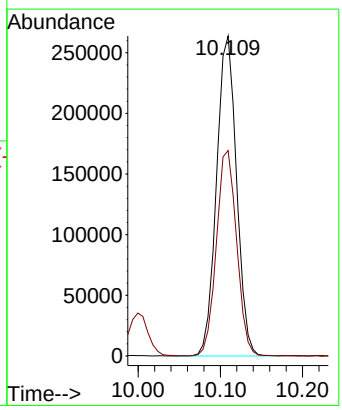
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

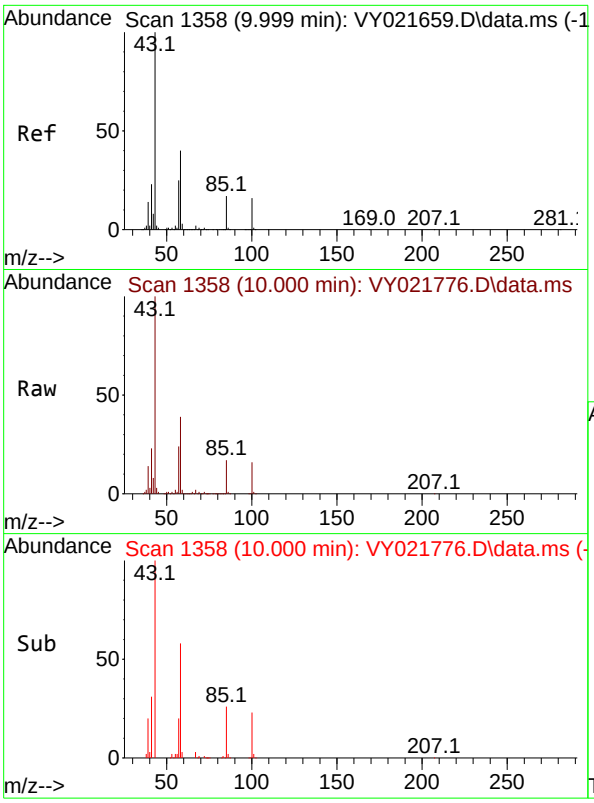


#50
Toluene-d8
Concen: 52.794 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 98 Resp: 446617

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

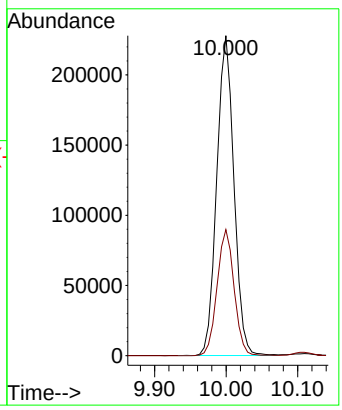




#51
4-Methyl-2-Pentanone
Concen: 241.372 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 38050

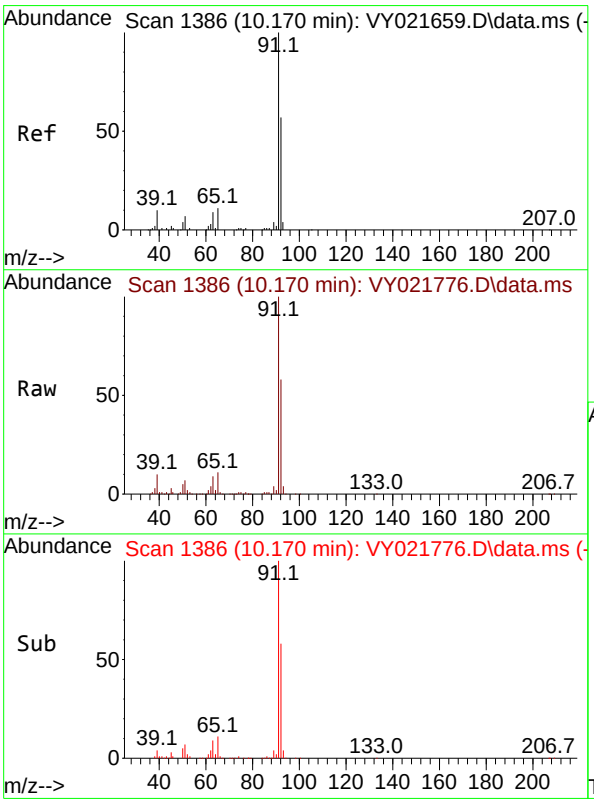
Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

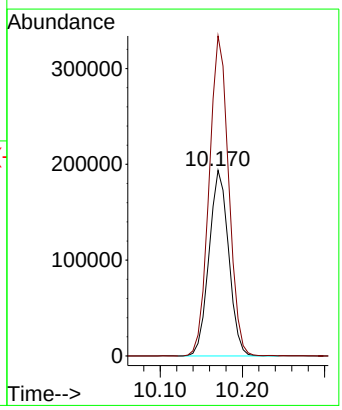
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

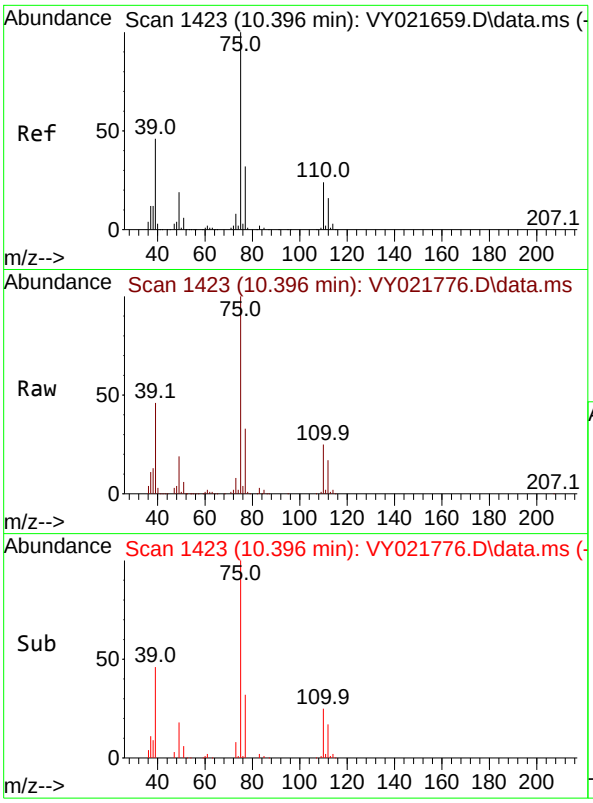


#52
Toluene
Concen: 50.737 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 92 Resp: 321091

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.6	207.8

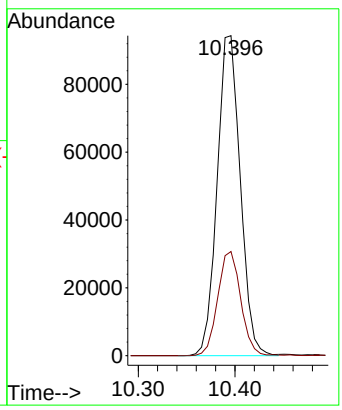




#53
t-1,3-Dichloropropene
Concen: 49.181 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 15662

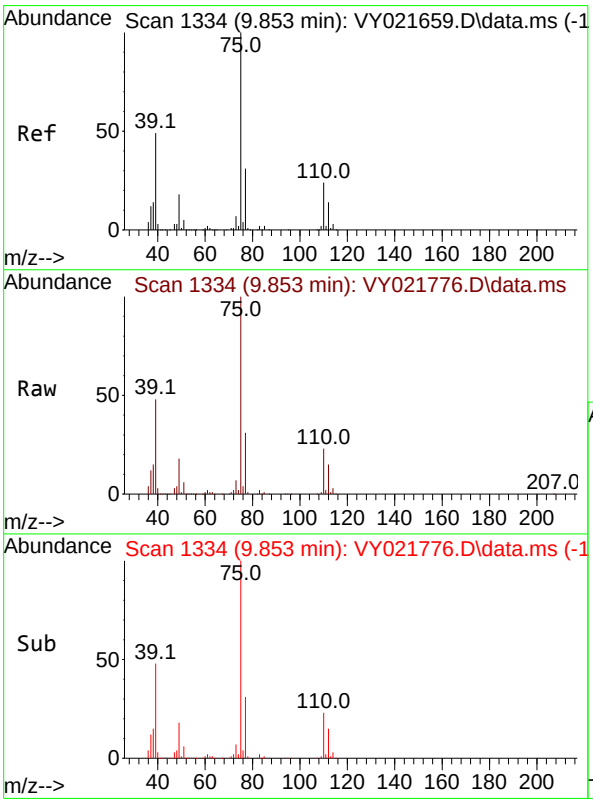
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

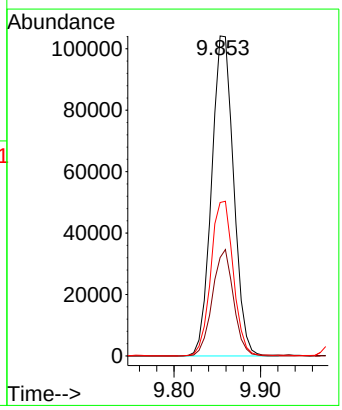
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

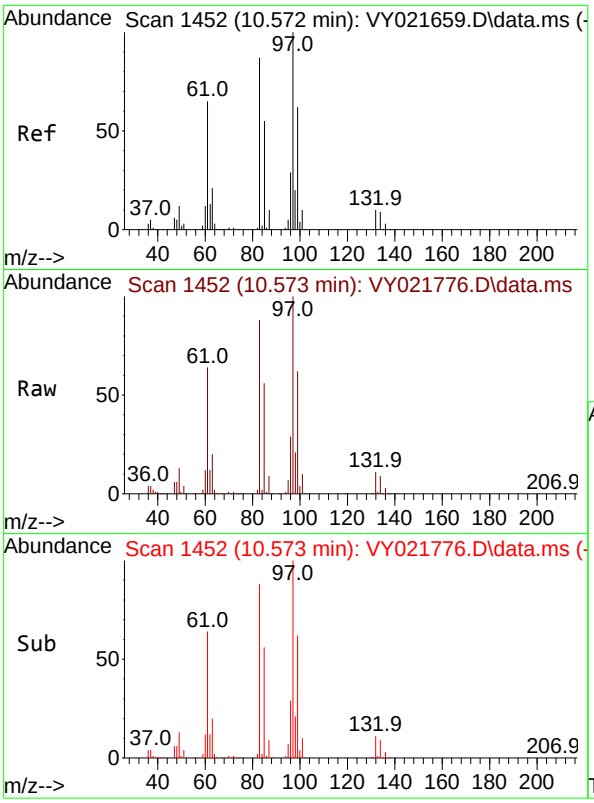


#54
cis-1,3-Dichloropropene
Concen: 48.979 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 184020

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.9	37.3
39	47.9	39.2	58.8

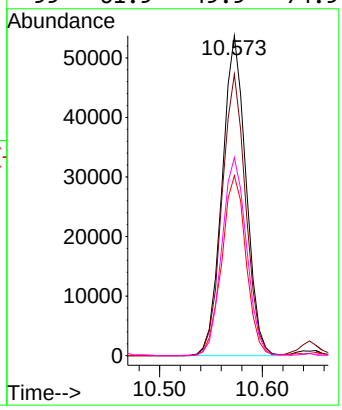




#55
1,1,2-Trichloroethane
Concen: 48.624 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 97 Resp: 8658

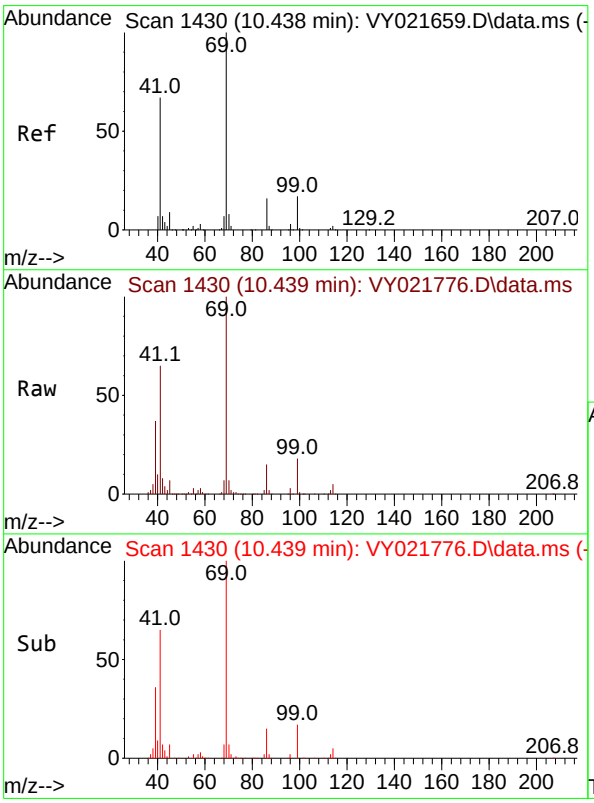
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.5	104.3
85	56.2	43.9	65.9
99	61.9	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

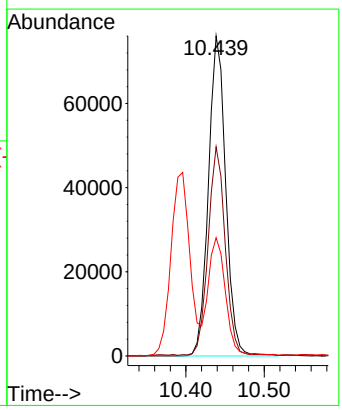
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

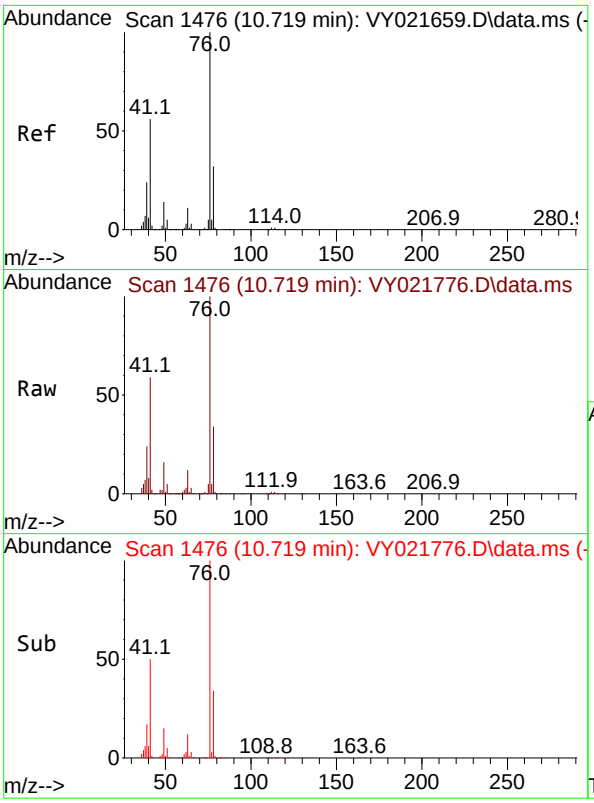


#56
Ethyl methacrylate
Concen: 51.235 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 69 Resp: 116496

Ion	Ratio	Lower	Upper
69	100		
41	64.7	53.8	80.6
39	36.1	29.6	44.4

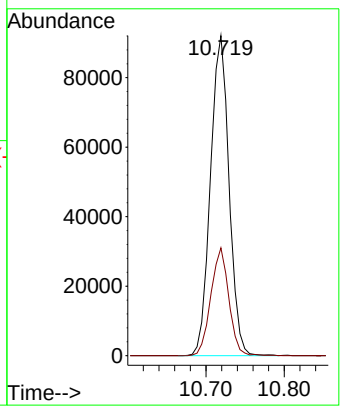




#57
1,3-Dichloropropane
Concen: 49.355 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 76 Resp: 15178

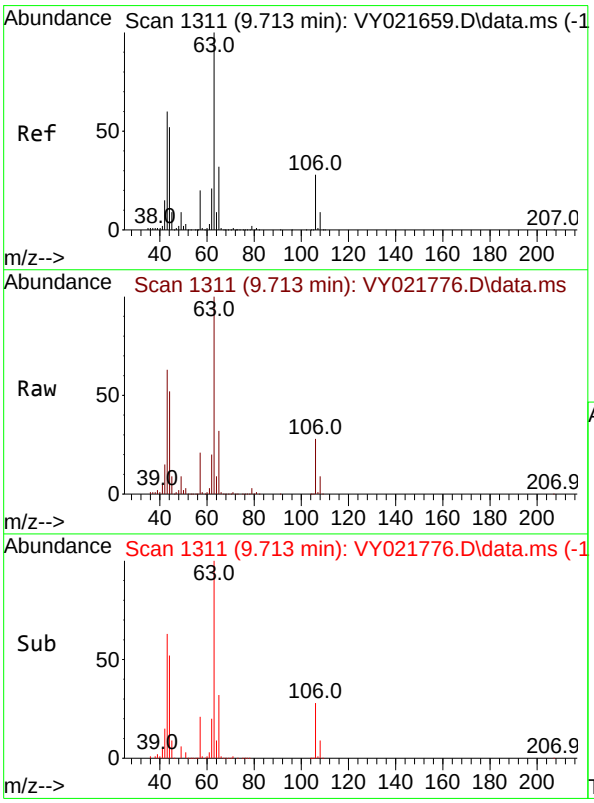
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

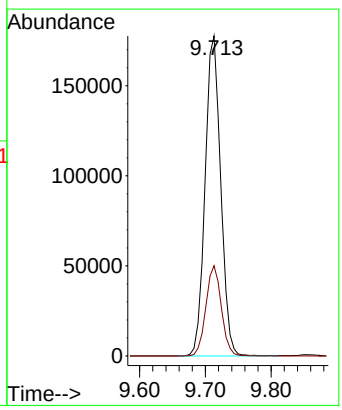
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

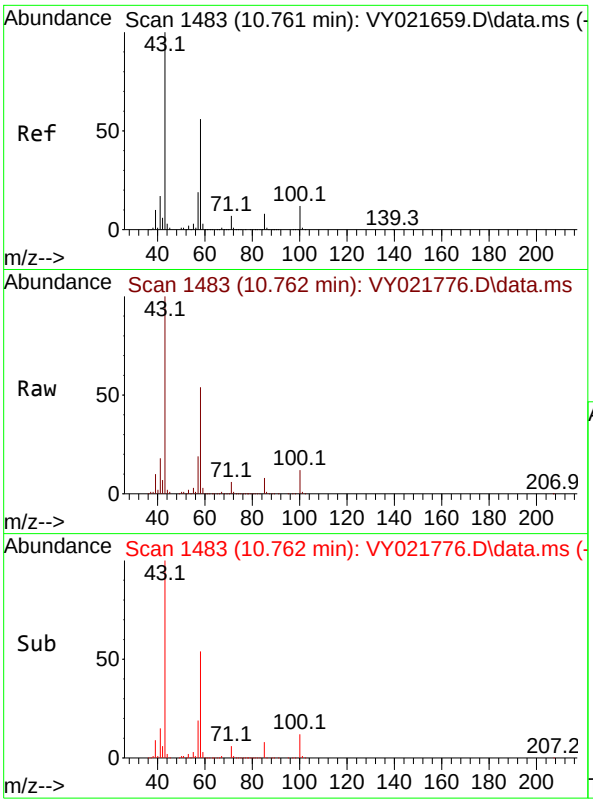


#58
2-Chloroethyl Vinyl ether
Concen: 264.232 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 63 Resp: 293090

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.4	33.6

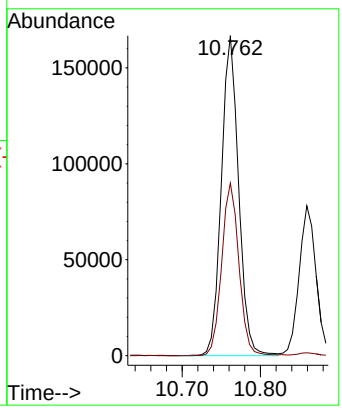




#59
2-Hexanone
Concen: 243.569 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 25571

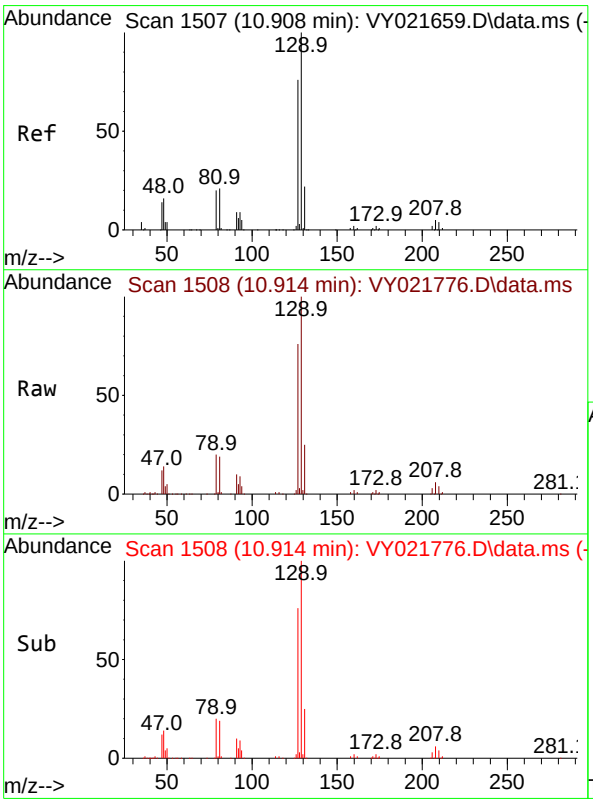
Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

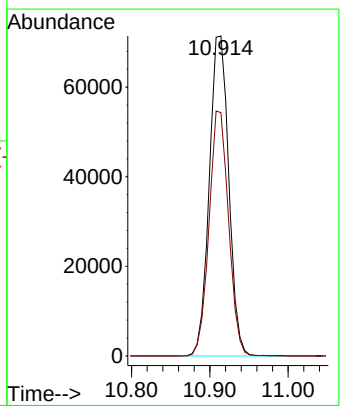
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

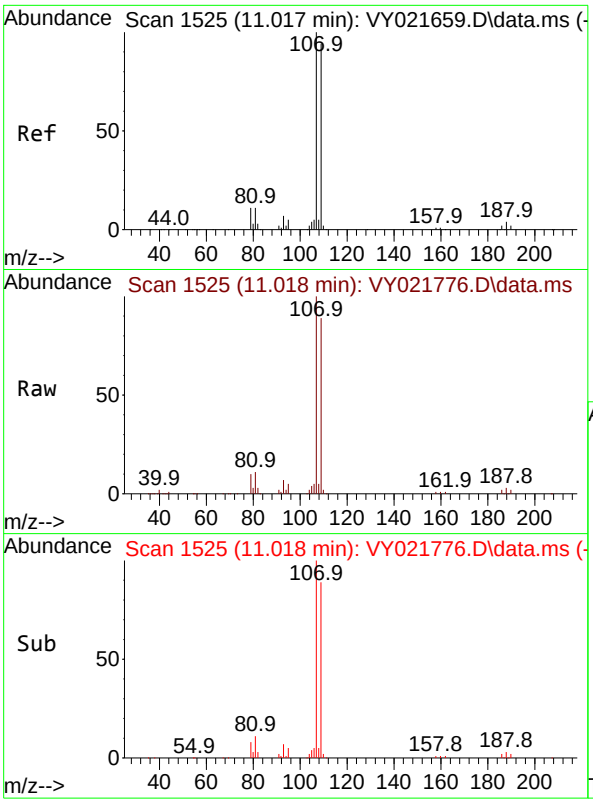


#60
Dibromochloromethane
Concen: 50.684 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:129 Resp: 123226

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.7

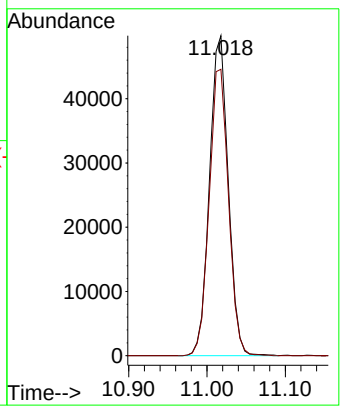




#61
1,2-Dibromoethane
Concen: 49.485 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:107 Resp: 8266

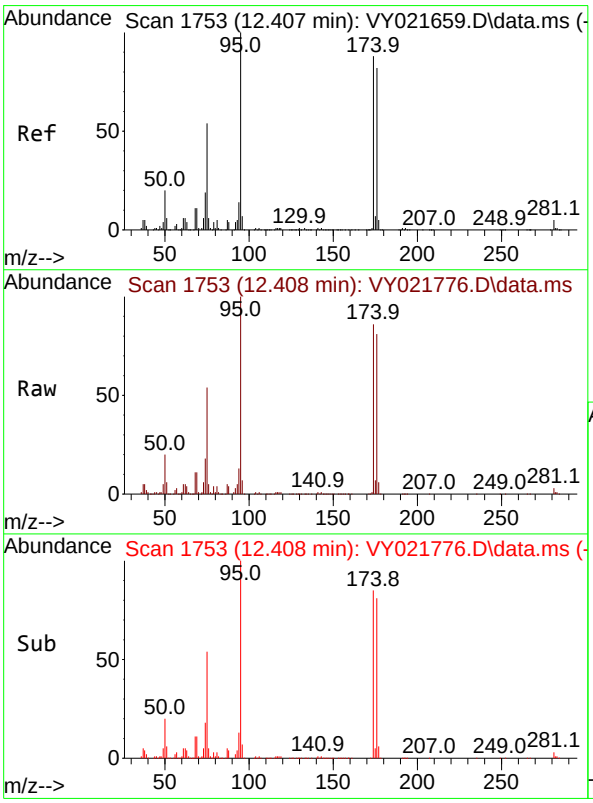
Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

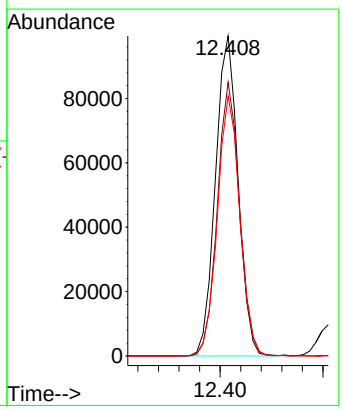
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

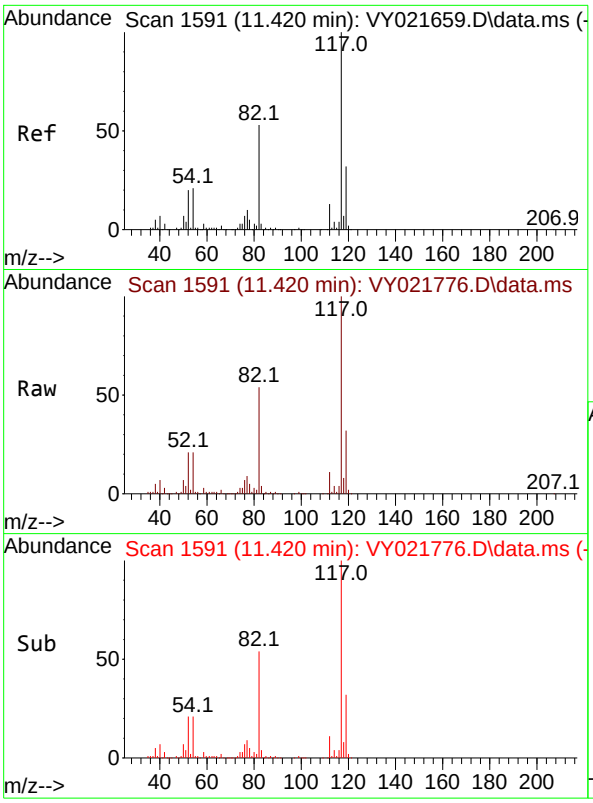


#62
4-Bromofluorobenzene
Concen: 52.928 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 95 Resp: 151449

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.8
176	80.4	0.0	162.0

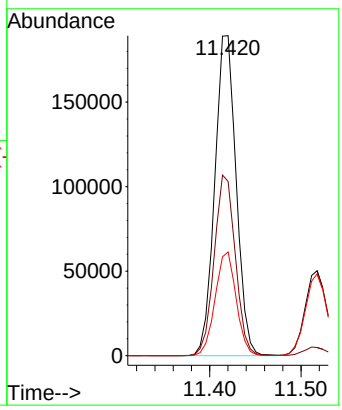




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

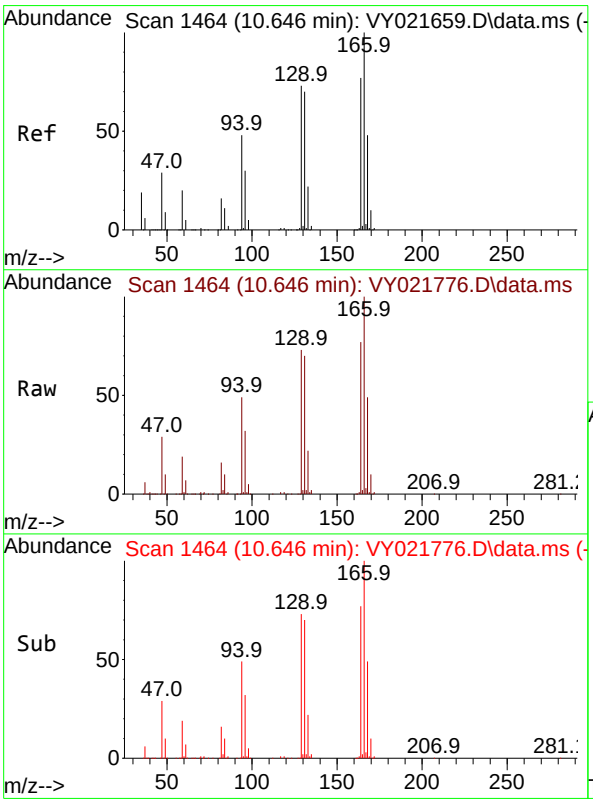
Tgt Ion:117 Resp: 30877

Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.8	64.2
119	32.4	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

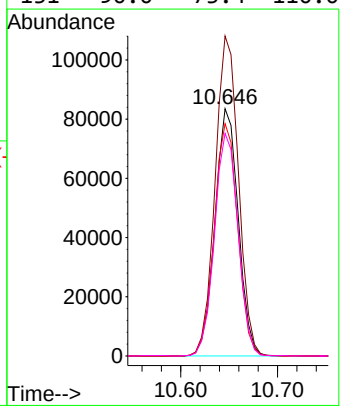
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

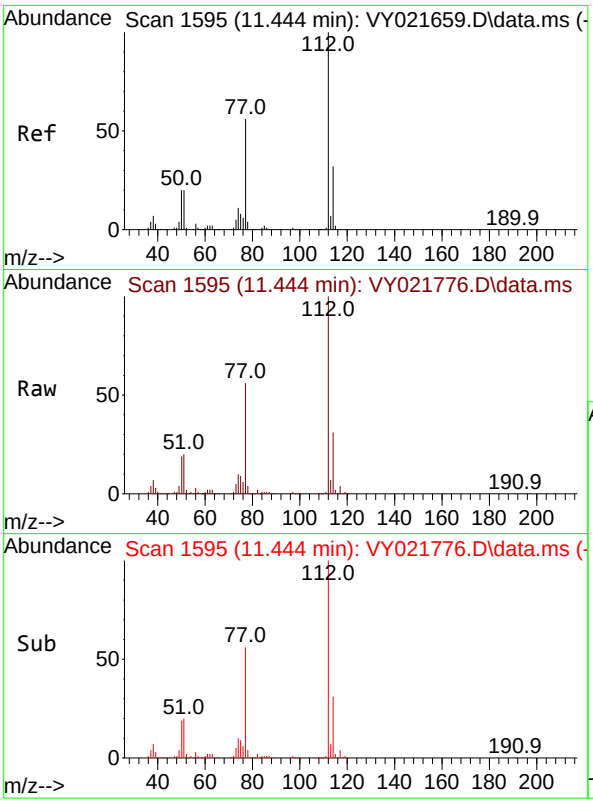


#64
Tetrachloroethene
Concen: 49.667 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:164 Resp: 139676

Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.6	156.8
129	93.9	76.6	114.8
131	90.0	73.4	110.0

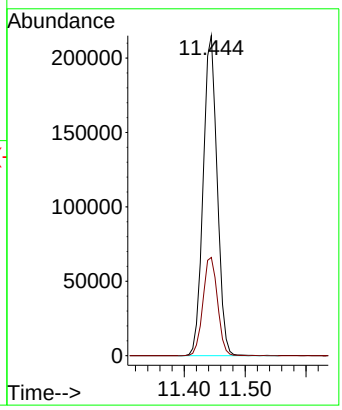




#65
Chlorobenzene
Concen: 48.533 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:112 Resp: 34352

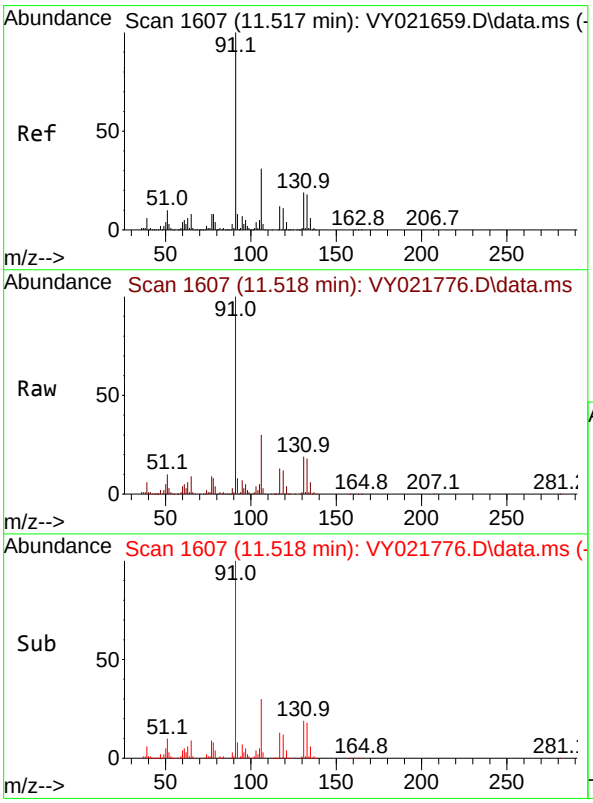
Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

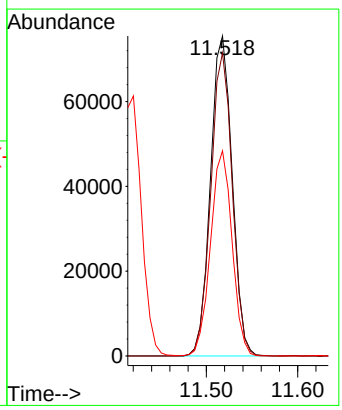
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

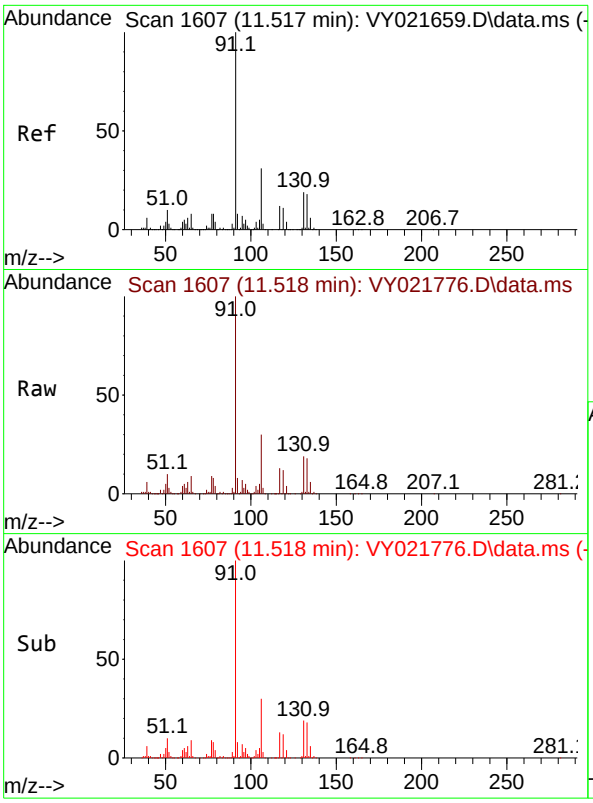


#66
1,1,1,2-Tetrachloroethane
Concen: 49.482 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:131 Resp: 124267

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	141.8
119	63.8	31.6	95.0

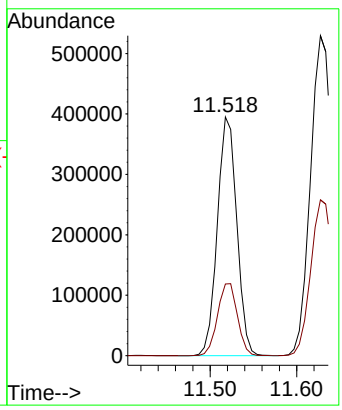




#67
Ethyl Benzene
Concen: 50.727 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 615700

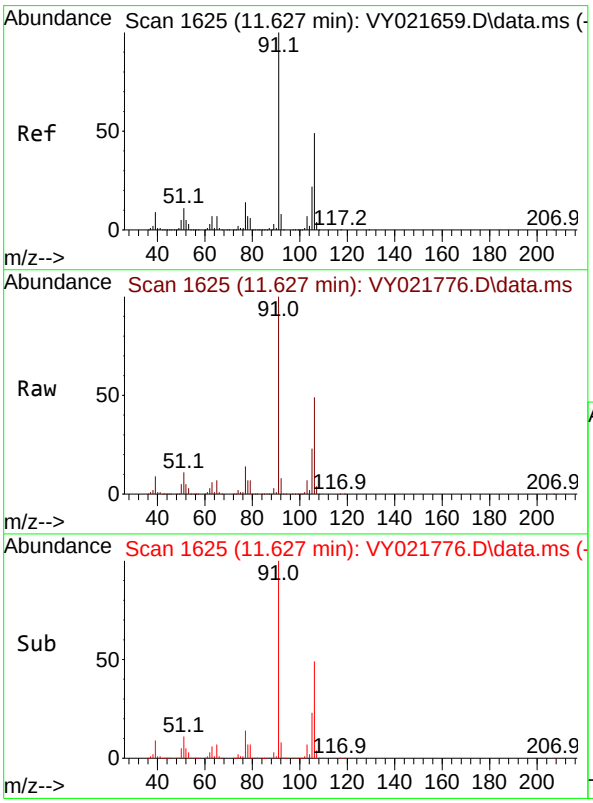
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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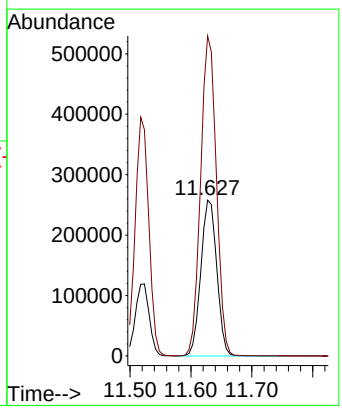
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

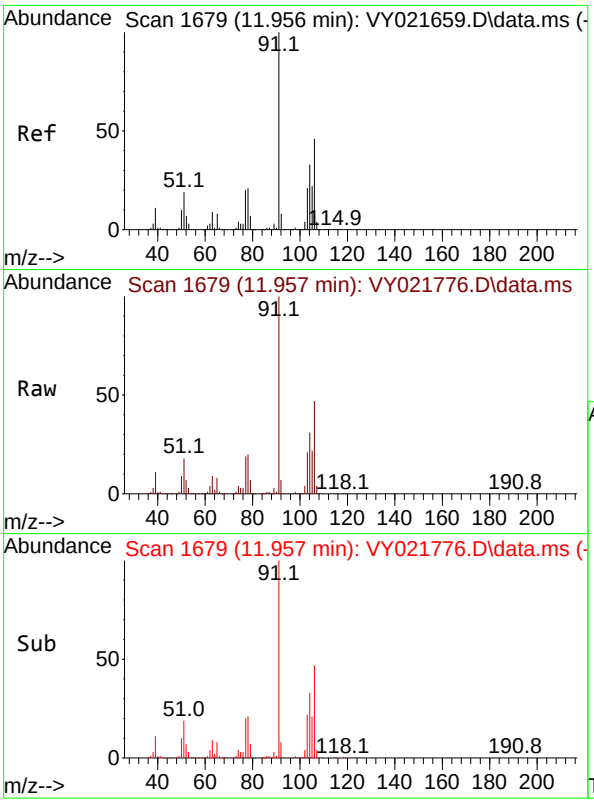


#68
m/p-Xylenes
Concen: 101.155 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:106 Resp: 470149

Ion	Ratio	Lower	Upper
106	100		
91	203.2	162.4	243.6

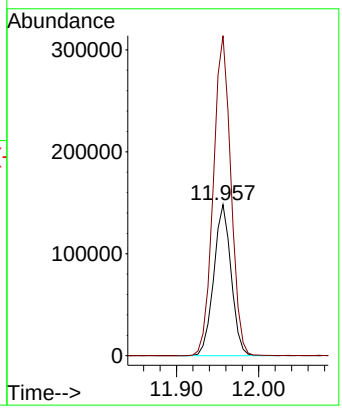




#69
o-Xylene
Concen: 50.688 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:106 Resp: 21746

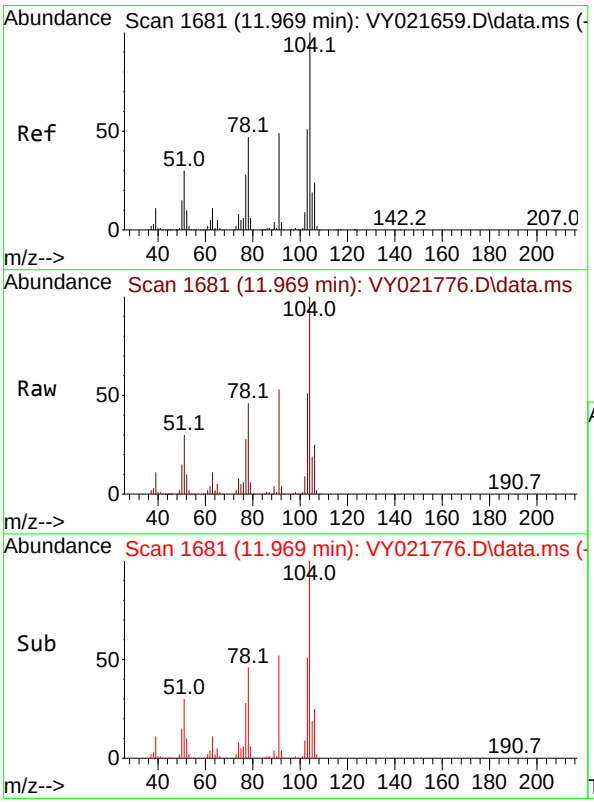
Ion	Ratio	Lower	Upper
106	100		
91	215.1	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

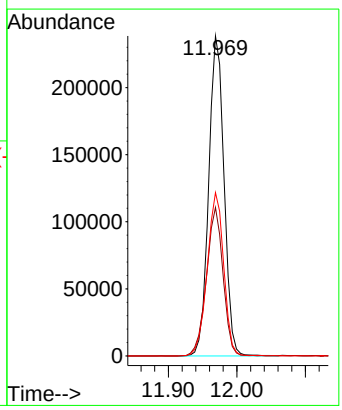
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

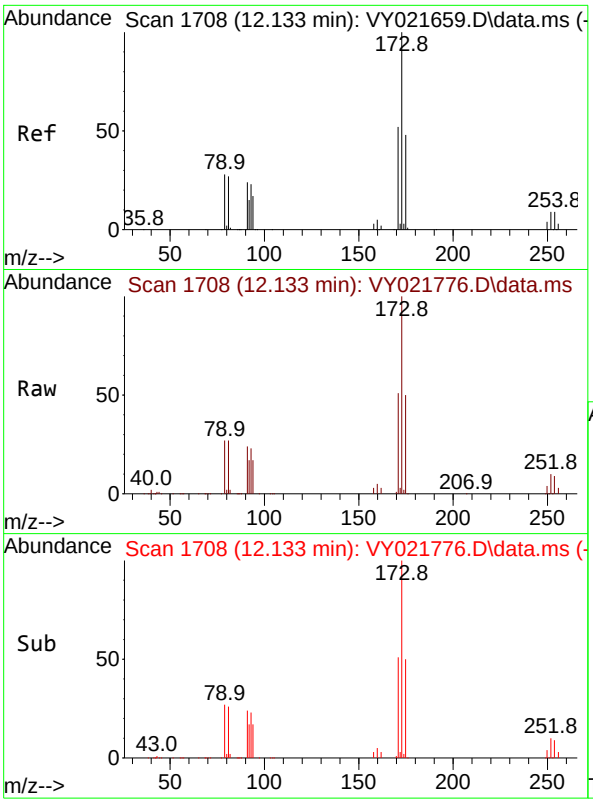


#70
Styrene
Concen: 51.933 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:104 Resp: 371495

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.8	61.2
103	54.8	44.2	66.2

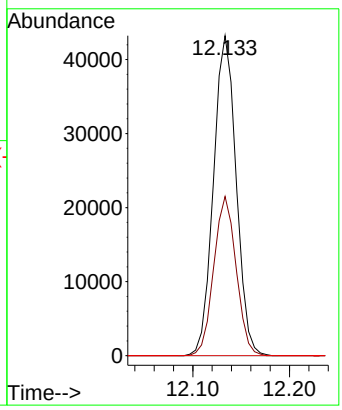




#71
Bromoform
Concen: 49.056 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

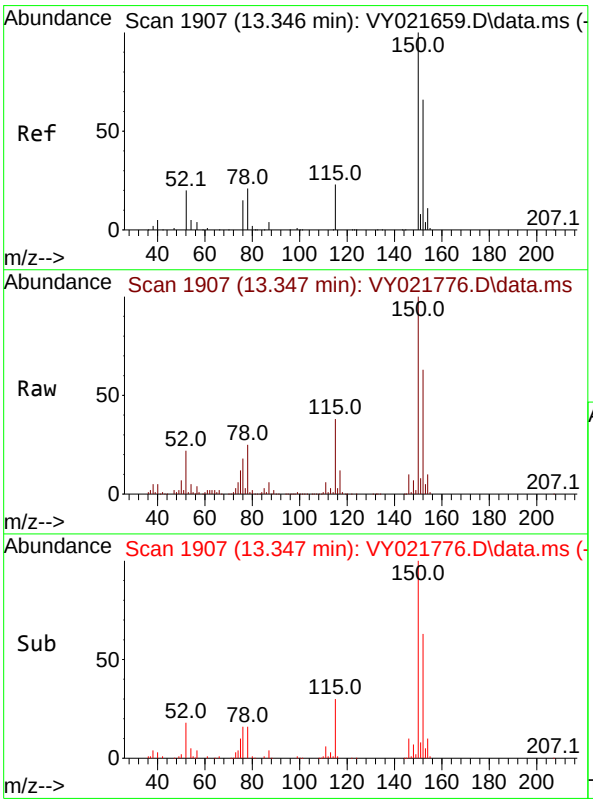
Tgt Ion:173 Resp: 7027

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

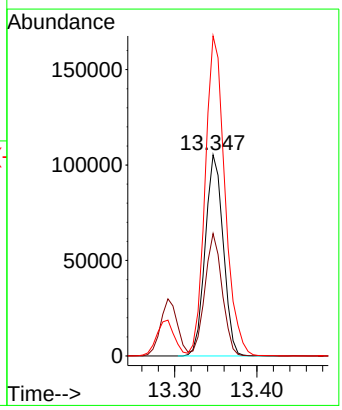
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

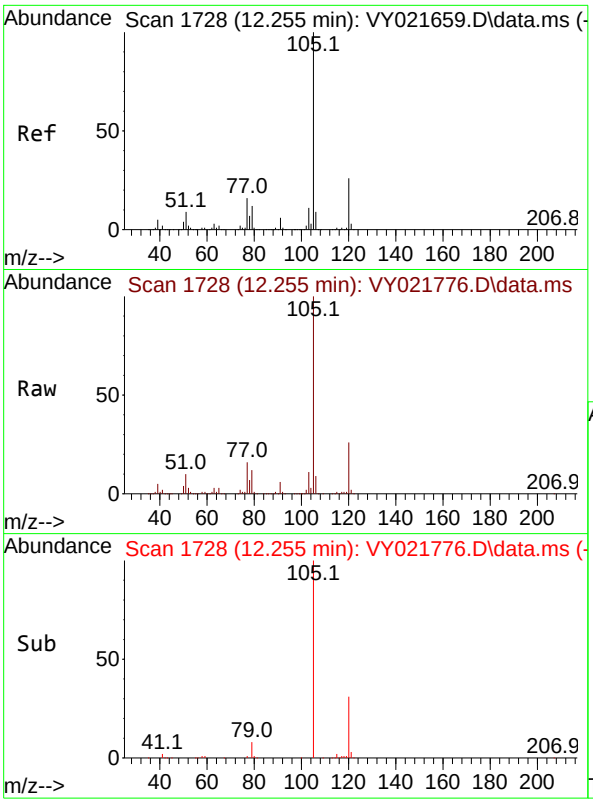


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:152 Resp: 160179

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.5
150	174.4	0.0	348.4

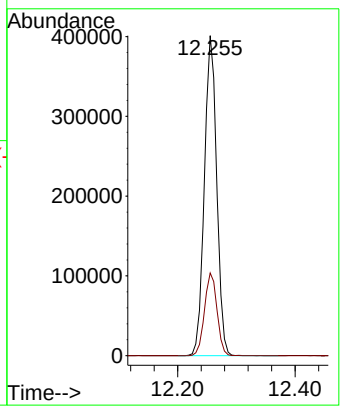




#73
Isopropylbenzene
Concen: 49.152 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:105 Resp: 58477

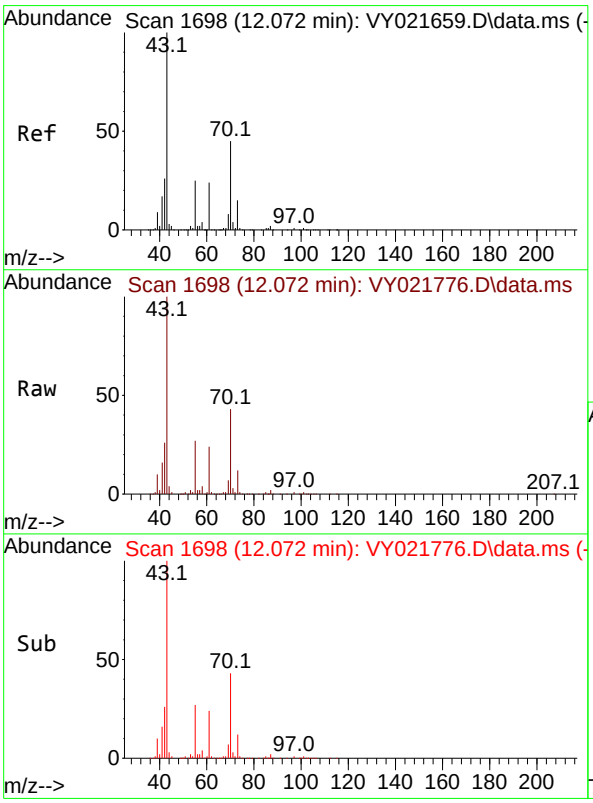
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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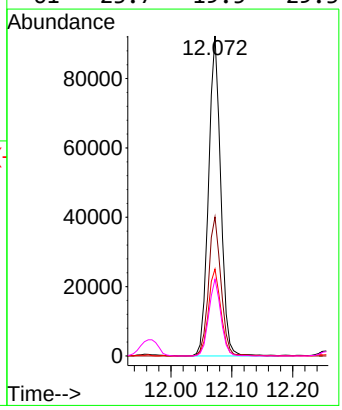
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

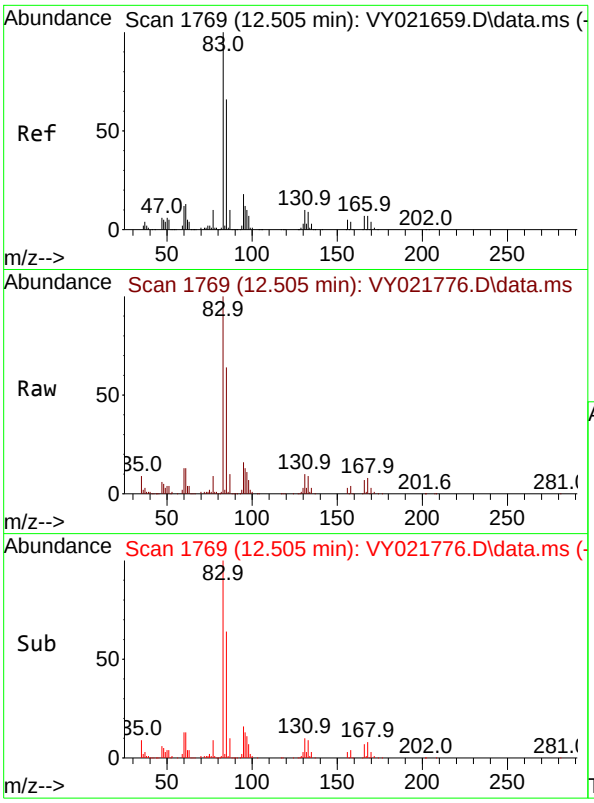


#74
N-amyl acetate
Concen: 46.159 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 128883

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.7	52.1
55	27.9	21.2	31.8
61	23.7	19.5	29.3

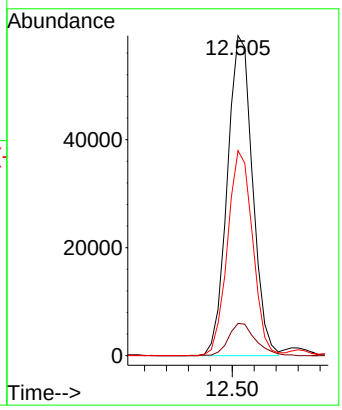




#75
1,1,2,2-Tetrachloroethane
Concen: 44.226 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 83 Resp: 9459

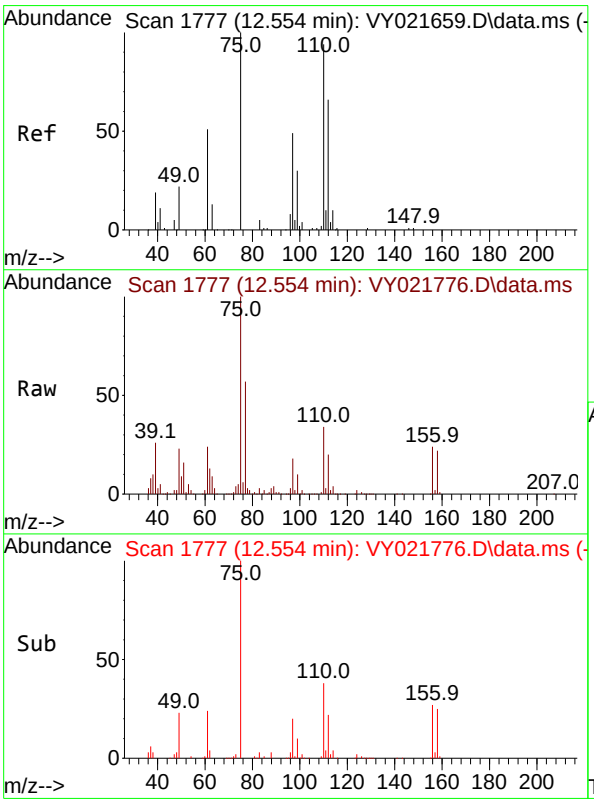
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.3
85	64.0	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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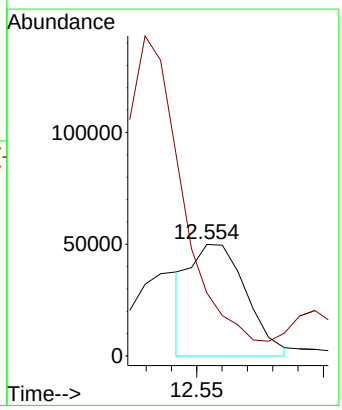
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

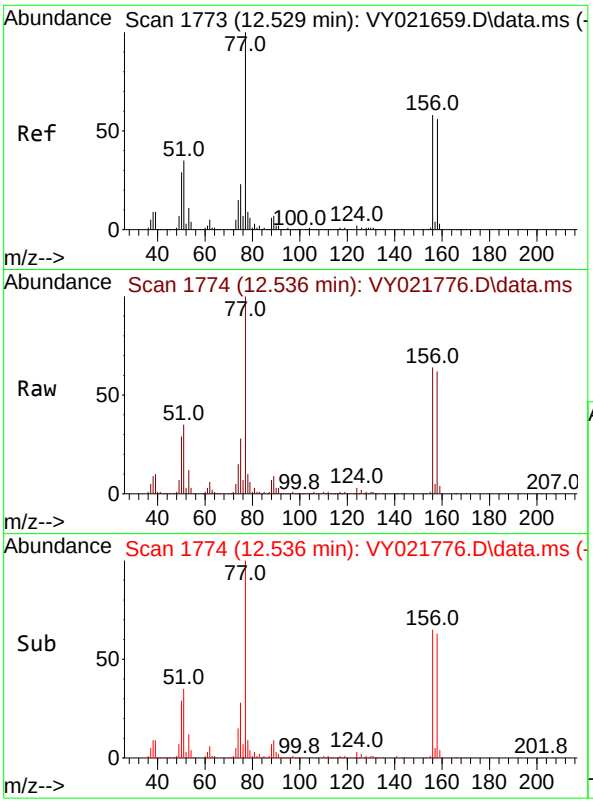


#76
1,2,3-Trichloropropane
Concen: 48.426 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 76890

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 47.465 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

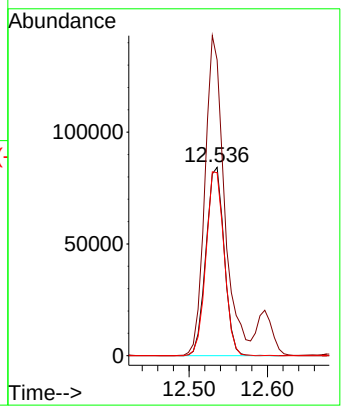
Tgt Ion:156 Resp: 13558

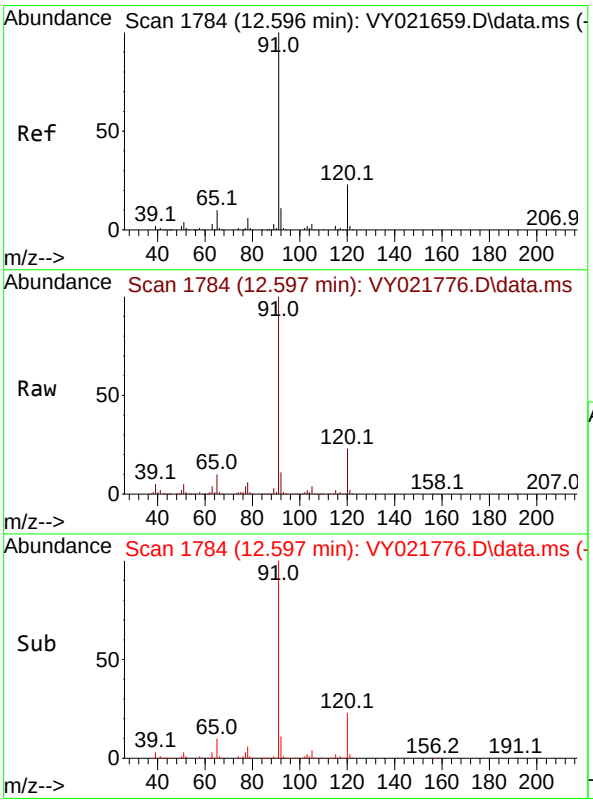
Ion	Ratio	Lower	Upper
156	100		
77	182.2	92.8	278.3
158	97.4	48.5	145.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

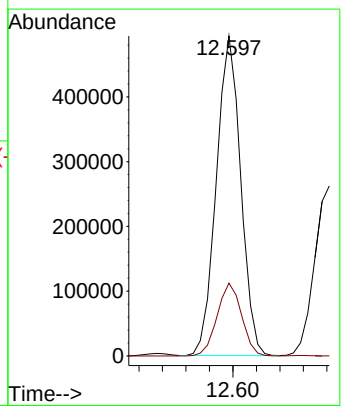


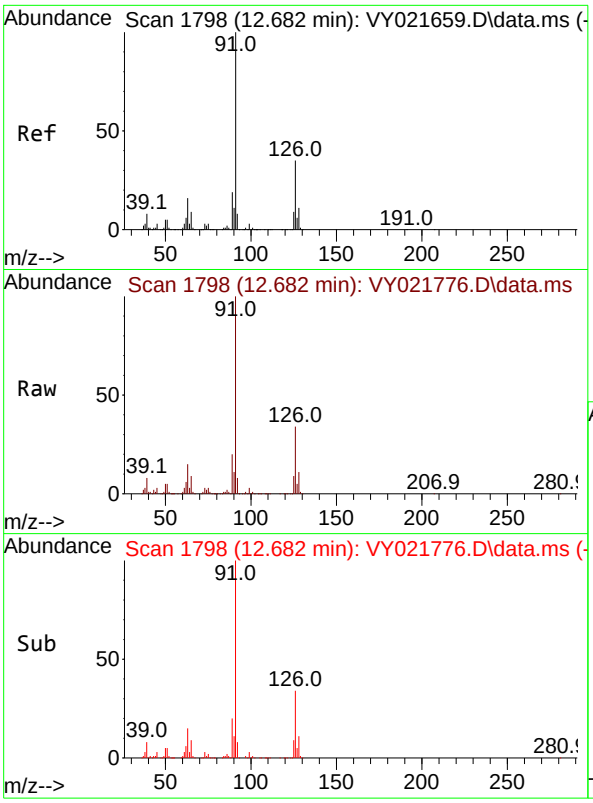


#78
n-propylbenzene
Concen: 49.780 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 712013

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9

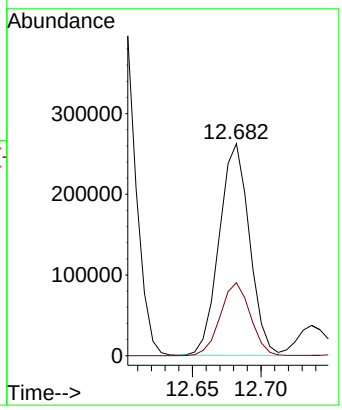




#79
2-Chlorotoluene
Concen: 48.532 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 40317

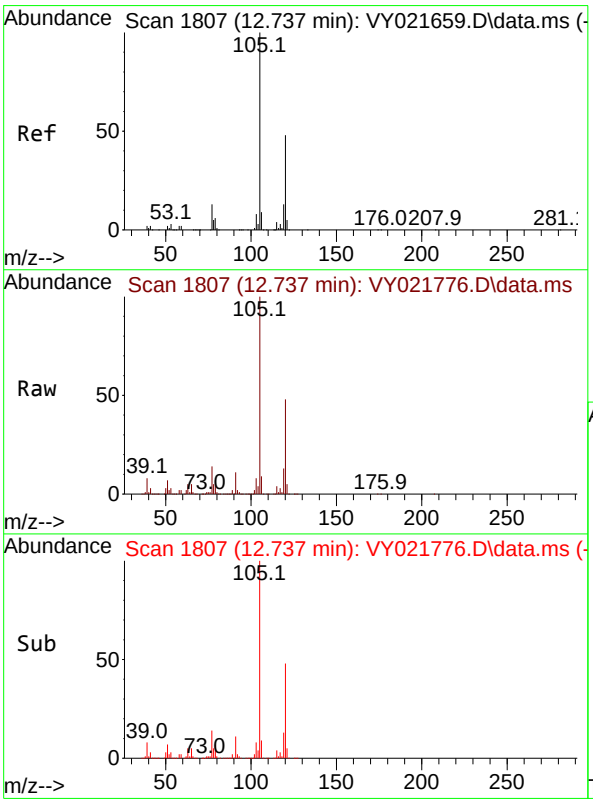
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

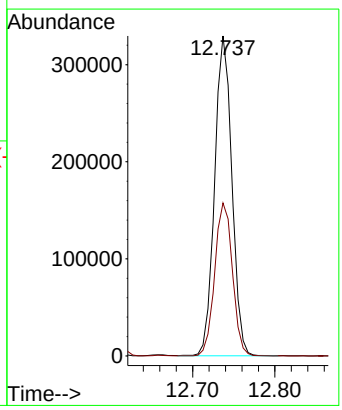
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

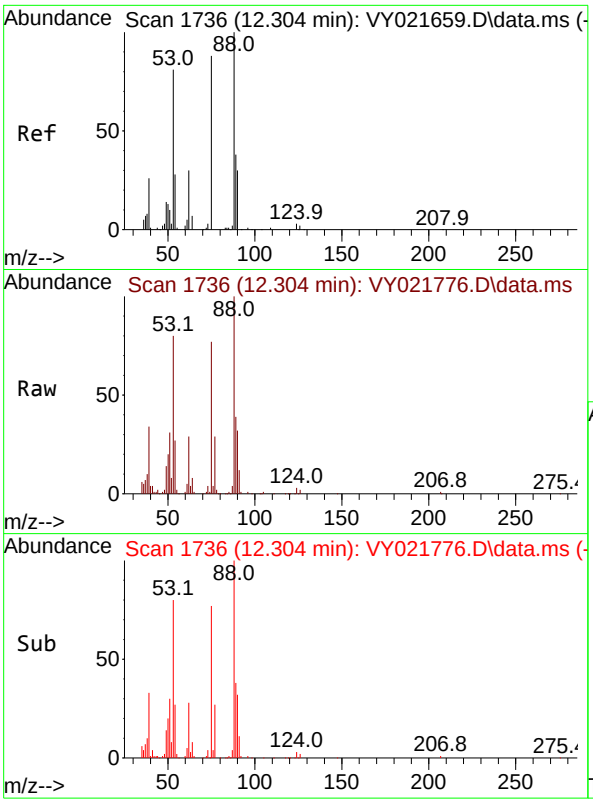


#80
1,3,5-Trimethylbenzene
Concen: 49.401 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:105 Resp: 480341

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.5	73.5

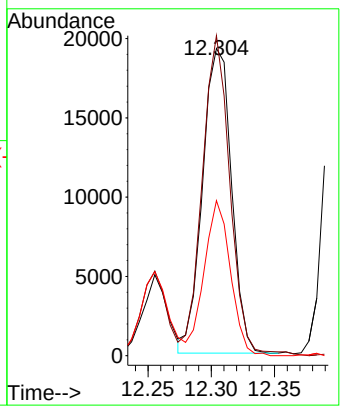




#81
trans-1,4-Dichloro-2-butene
Concen: 44.380 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 3058

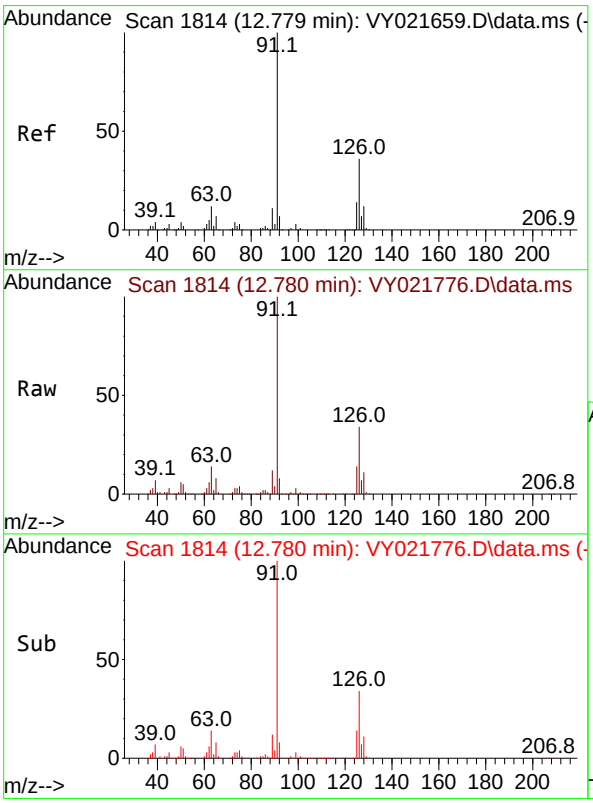
Ion	Ratio	Lower	Upper
75	100		
53	101.1	76.1	114.1
89	46.2	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

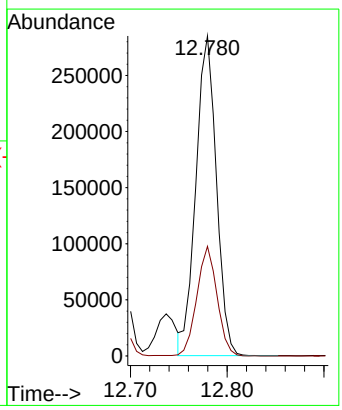
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

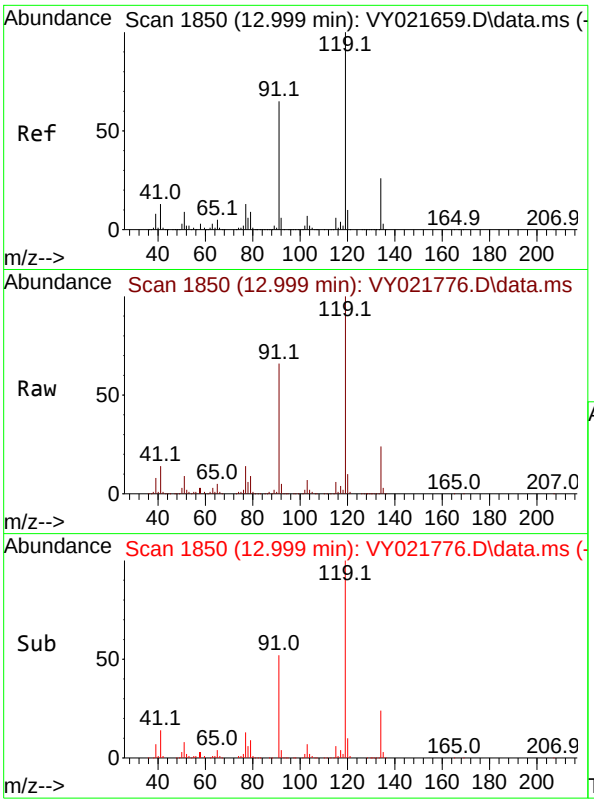


#82
4-Chlorotoluene
Concen: 48.519 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 420225

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	50.9

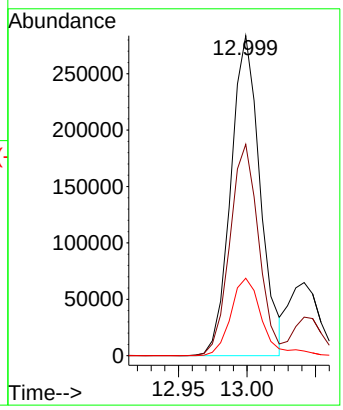




#83
tert-Butylbenzene
Concen: 48.759 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:119 Resp: 42228

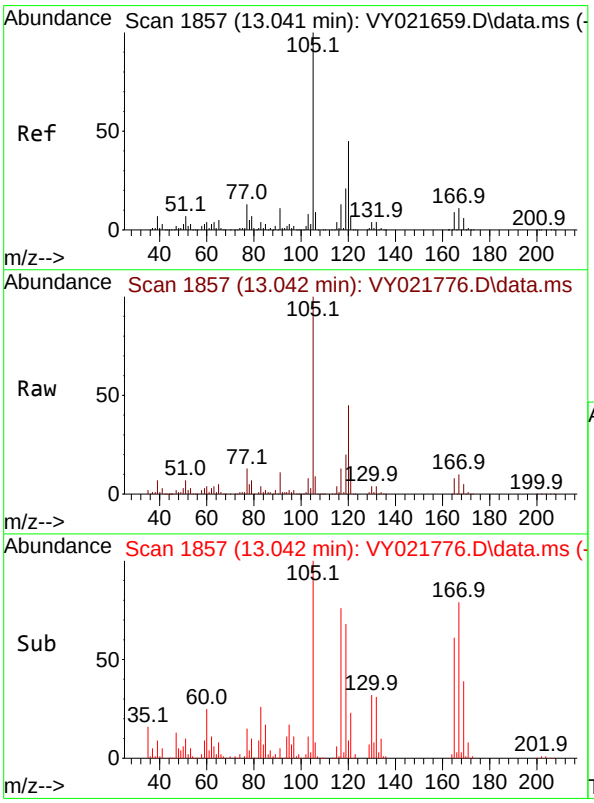
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.6	97.7
134	25.9	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

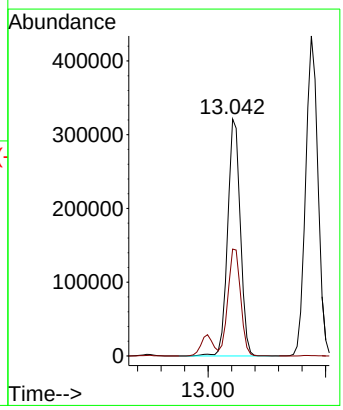
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

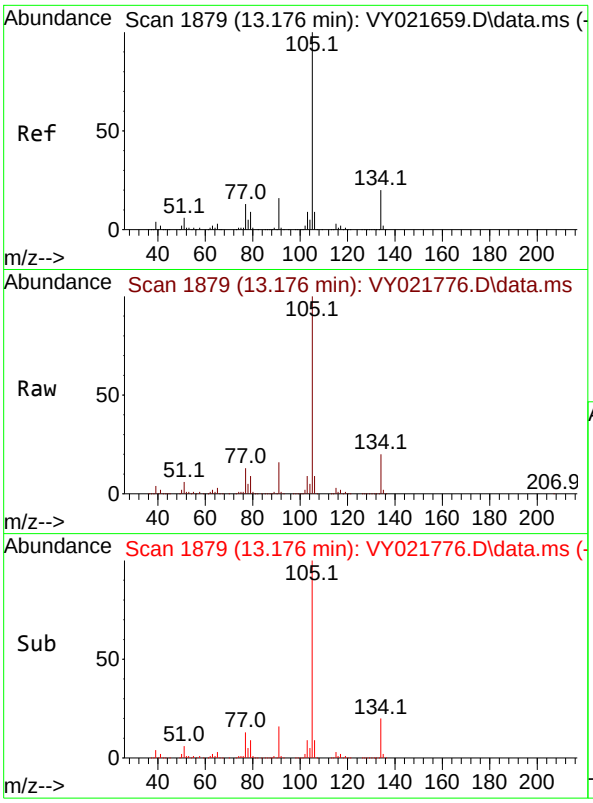


#84
1,2,4-Trimethylbenzene
Concen: 50.015 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:105 Resp: 480654

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1

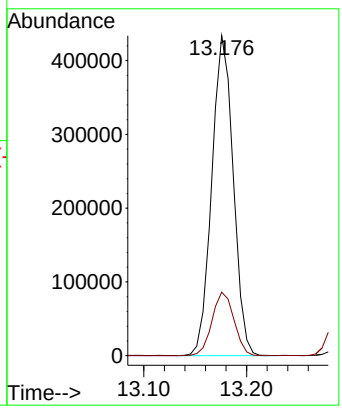




#85
sec-Butylbenzene
Concen: 49.626 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:105 Resp: 62809

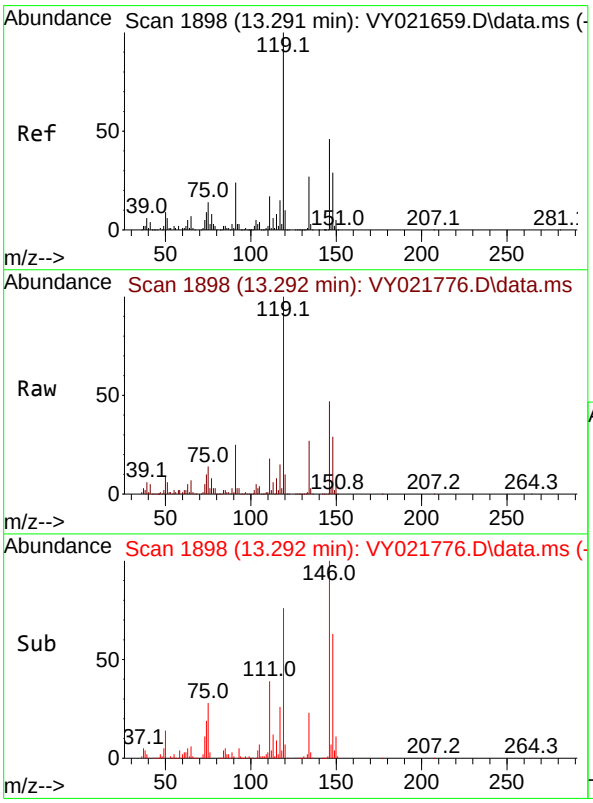
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

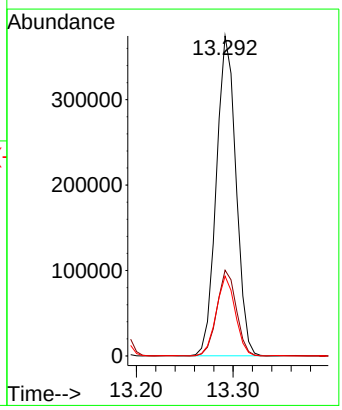
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

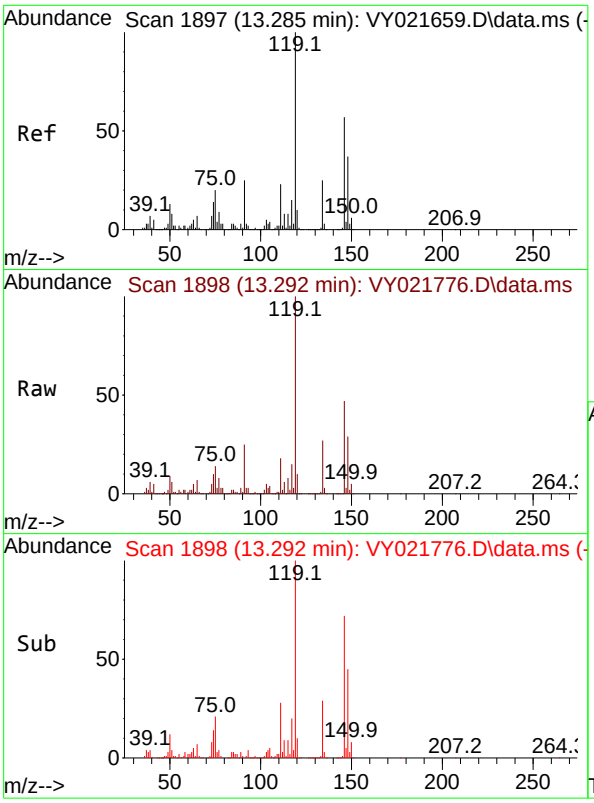


#86
p-Isopropyltoluene
Concen: 50.469 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:119 Resp: 527940

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.5
91	24.2	12.0	36.0

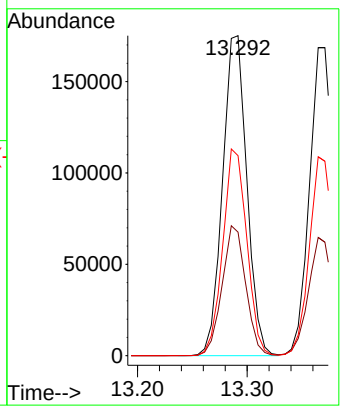




#87
1,3-Dichlorobenzene
Concen: 47.936 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:146 Resp: 26977

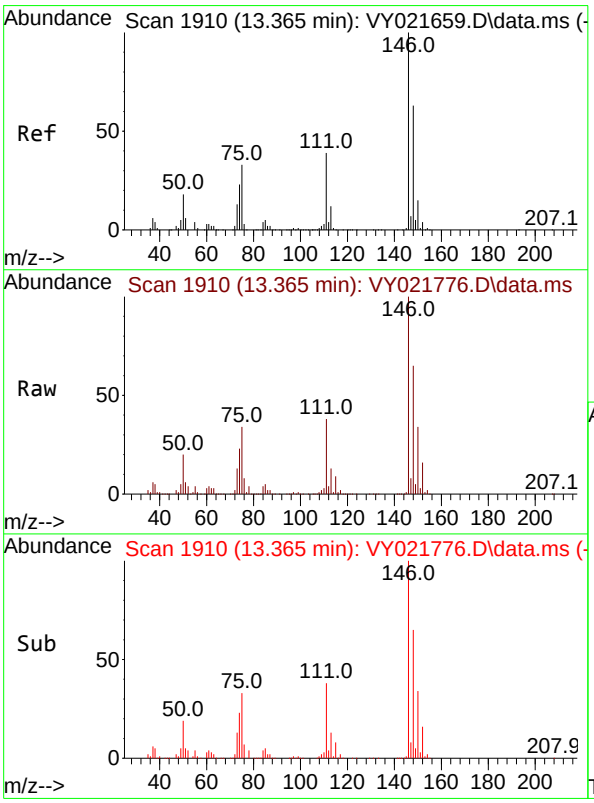
Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	63.8	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

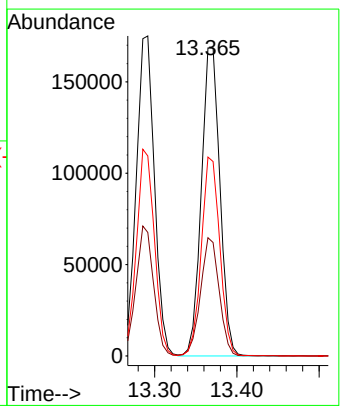
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

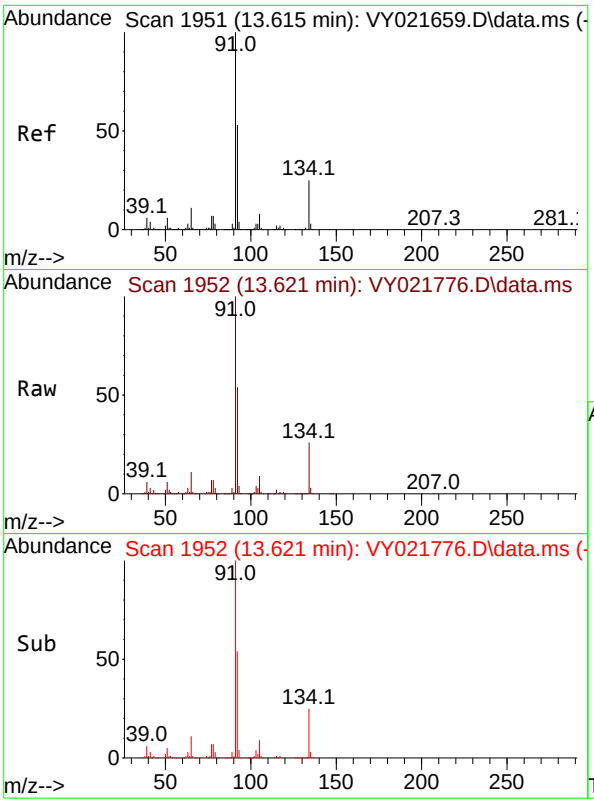


#88
1,4-Dichlorobenzene
Concen: 47.658 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:146 Resp: 264990

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.1	31.5	94.5

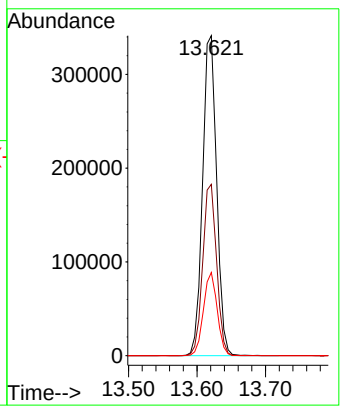




#89
n-Butylbenzene
Concen: 50.346 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 48705

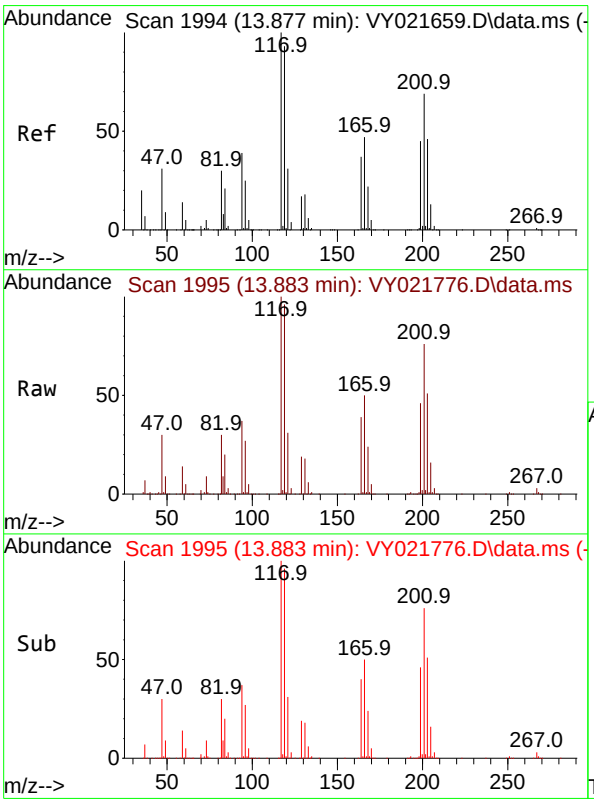
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.5	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

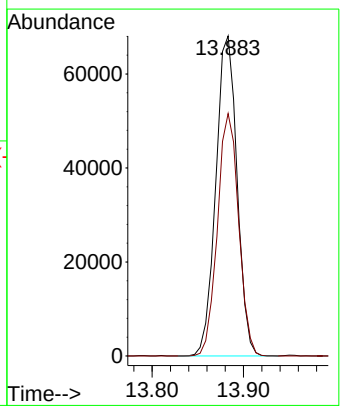
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

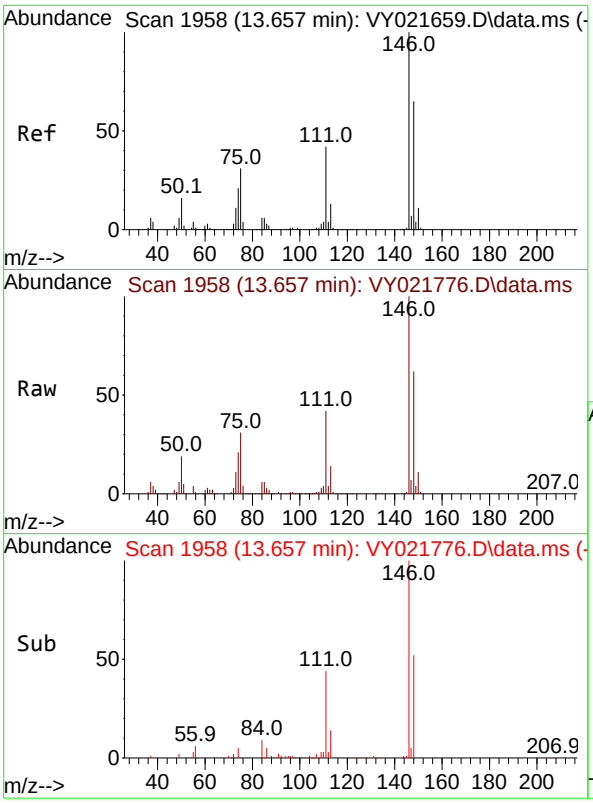


#90
Hexachloroethane
Concen: 48.010 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:117 Resp: 110054

Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.4	112.1

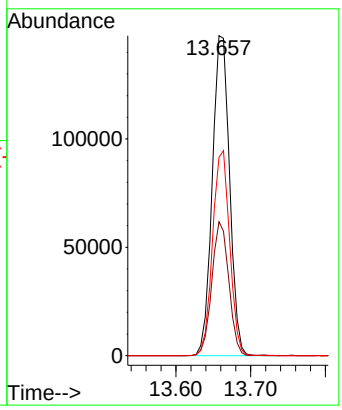




#91
1,2-Dichlorobenzene
Concen: 48.364 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:146 Resp: 23693

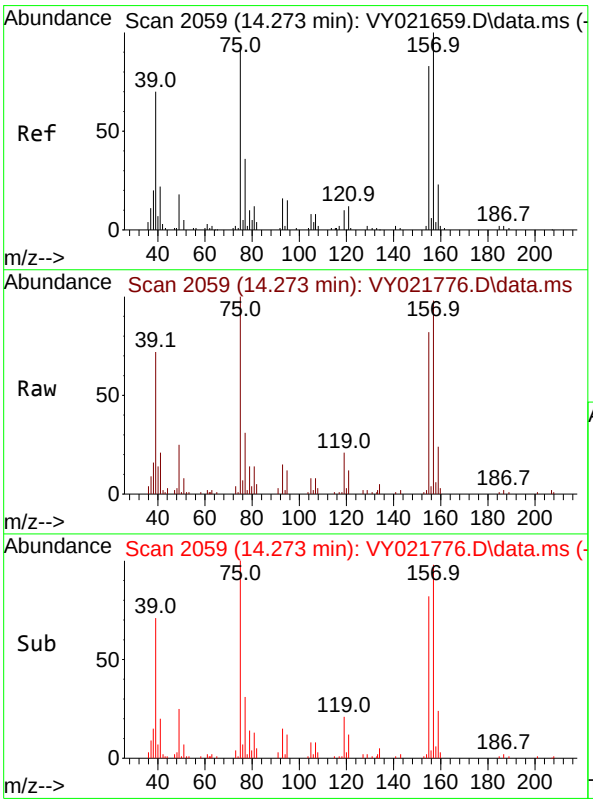
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.5	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

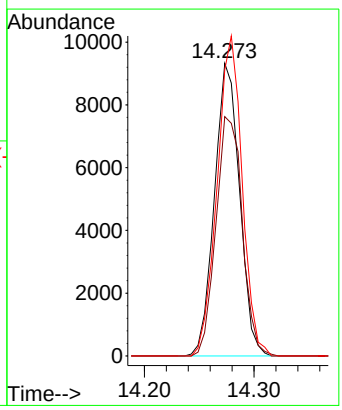
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

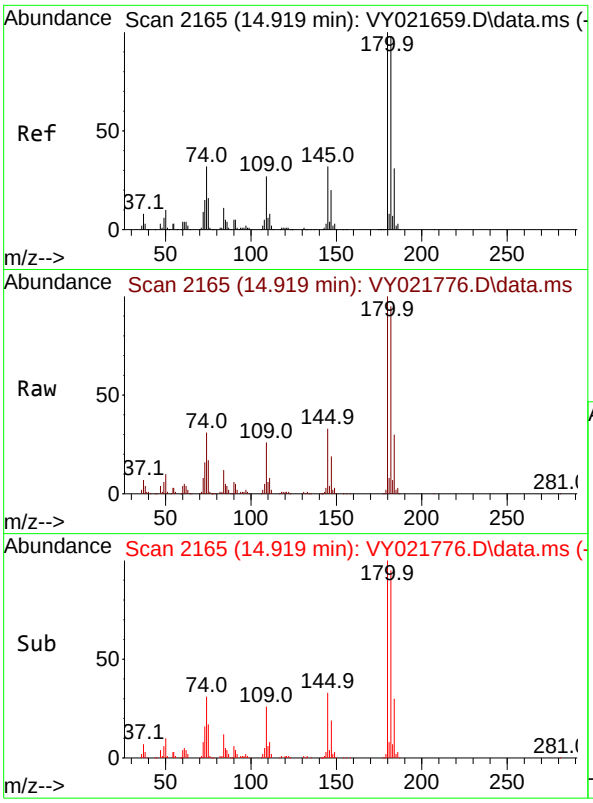


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 14822

Ion	Ratio	Lower	Upper
75	100		
155	85.7	43.0	128.8
157	109.0	54.0	162.0

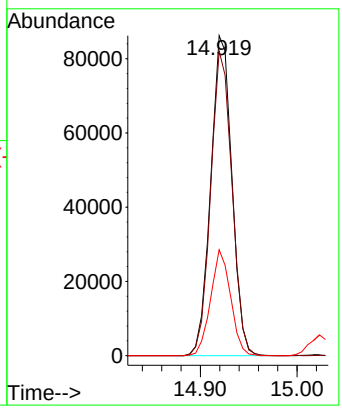




#93
1,2,4-Trichlorobenzene
Concen: 49.367 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:180 Resp: 13115

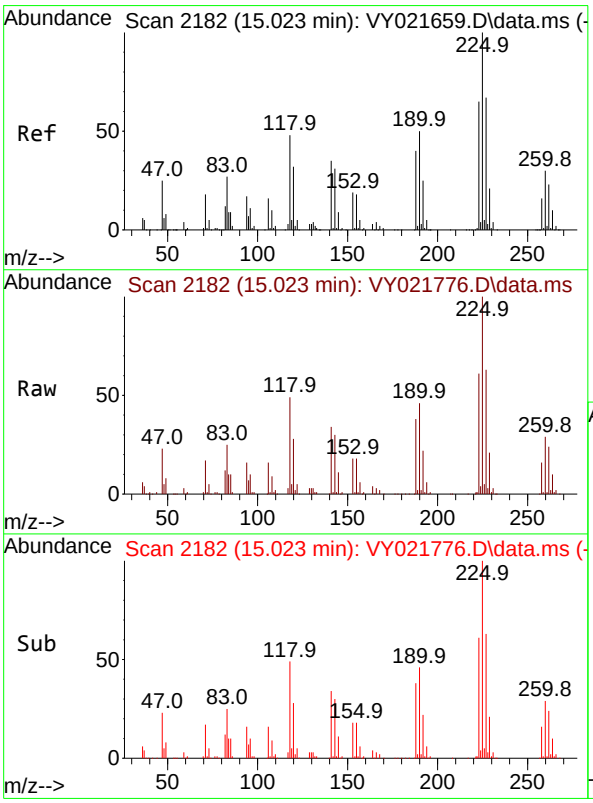
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	31.2	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

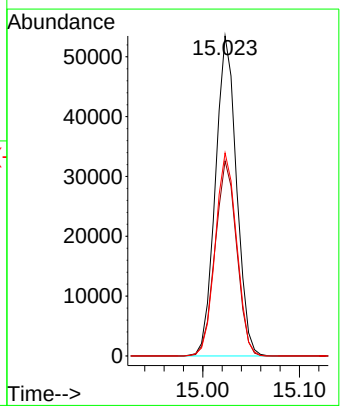
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

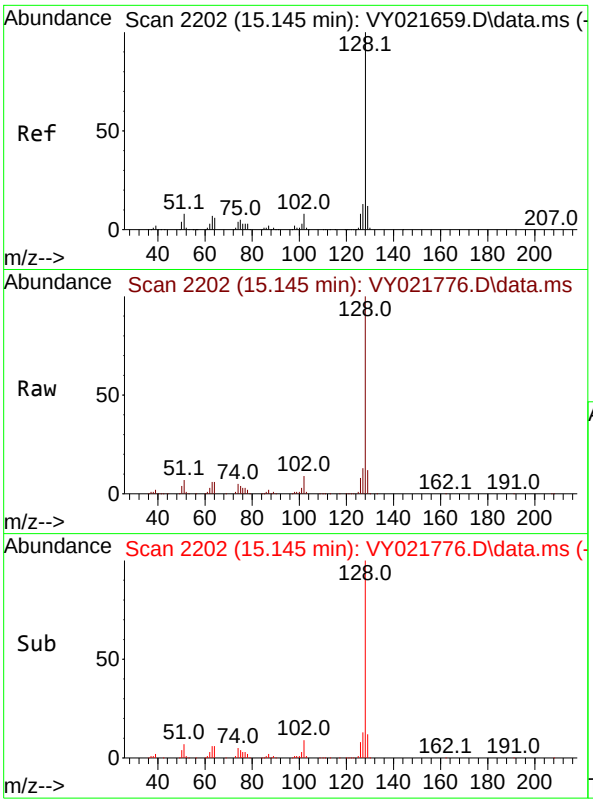


#94
Hexachlorobutadiene
Concen: 48.800 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:225 Resp: 80970

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.7
227	64.2	32.4	97.0

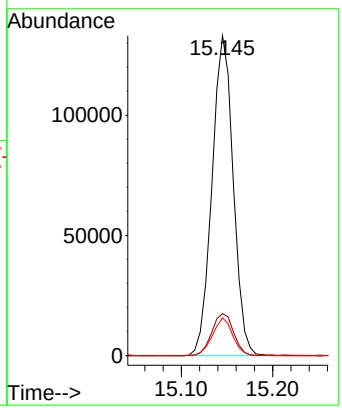




#95
Naphthalene
Concen: 48.786 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:128 Resp: 21483

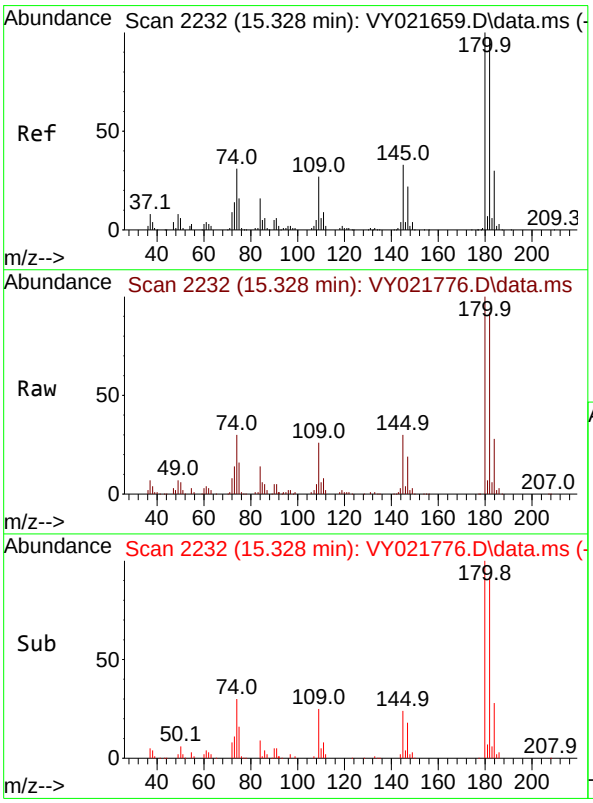
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.4	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

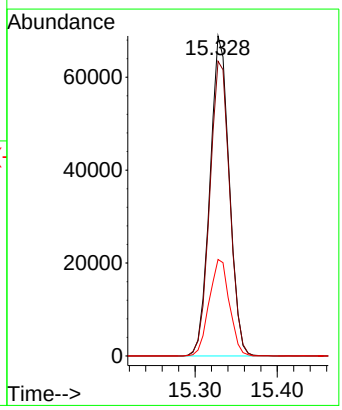
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.730 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:180 Resp: 112664

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	31.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	96	0.00
2	T	Dichlorodifluoromethane	0.518	0.460	11.2	87	0.00
3	P	Chloromethane	0.729	0.638	12.5	88	0.00
4	C	Vinyl Chloride	0.824	0.724	12.1#	87	0.00
5	T	Bromomethane	0.562	0.483	14.1	90	0.00
6	T	Chloroethane	0.539	0.475	11.9	89	0.00
7	T	Trichlorofluoromethane	1.056	0.959	9.2	91	0.00
8	T	Diethyl Ether	0.287	0.252	12.2	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.515	7.5	92	0.00
10	T	Methyl Iodide	0.611	0.580	5.1	85	0.00
11	T	Tert butyl alcohol	0.035	0.028	20.0	79	0.00
12	CM	1,1-Dichloroethene	0.524	0.481	8.2#	90	0.00
13	T	Acrolein	0.064	0.028	56.3#	42#	0.00
14	T	Allyl chloride	0.836	0.763	8.7	87	0.00
15	T	Acrylonitrile	0.120	0.106	11.7	84	0.00
16	T	Acetone	0.111	0.091	18.0	82	0.00
17	T	Carbon Disulfide	1.727	1.549	10.3	88	0.00
18	T	Methyl Acetate	0.275	0.259	5.8	94	0.00
19	T	Methyl tert-butyl Ether	1.306	1.203	7.9	87	0.00
20	T	Methylene Chloride	0.626	0.518	17.3	88	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.534	7.5	90	0.00
22	T	Diisopropyl ether	1.754	1.681	4.2	90	0.00
23	T	Vinyl Acetate	1.026	0.938	8.6	85	0.00
24	P	1,1-Dichloroethane	1.049	0.975	7.1	90	0.00
25	T	2-Butanone	0.158	0.136	13.9	82	0.00
26	T	2,2-Dichloropropane	0.933	0.874	6.3	91	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.609	6.2	90	0.00
28	T	Bromochloromethane	0.442	0.432	2.3	97	0.00
29	T	Tetrahydrofuran	0.102	0.090	11.8	82	0.00
30	C	Chloroform	1.091	1.012	7.2#	90	0.00
31	T	Cyclohexane	0.956	0.858	10.3	90	0.00
32	T	1,1,1-Trichloroethane	0.986	0.918	6.9	91	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.533	1.7	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.324	0.337	-4.0	92	0.00
36	T	1,1-Dichloropropene	0.494	0.495	-0.2	91	0.00
37	T	Ethyl Acetate	0.233	0.209	10.3	82	0.00
38	T	Carbon Tetrachloride	0.566	0.560	1.1	92	0.00
39	T	Methylcyclohexane	0.590	0.596	-1.0	89	0.00
40	TM	Benzene	1.479	1.458	1.4	90	0.00
41	T	Methacrylonitrile	0.124	0.108	12.9	73	-0.01
42	TM	1,2-Dichloroethane	0.417	0.401	3.8	88	0.00
43	T	Isopropyl Acetate	0.442	0.410	7.2	84	0.00
44	TM	Trichloroethene	0.377	0.375	0.5	93	0.00
45	C	1,2-Dichloropropane	0.350	0.345	1.4#	91	0.00
46	T	Dibromomethane	0.202	0.194	4.0	91	0.00
47	T	Bromodichloromethane	0.523	0.513	1.9	91	0.00
48	T	Methyl methacrylate	0.203	0.197	3.0	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	82	0.00
50	S	Toluene-d8	1.234	1.303	-5.6	92	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.222	3.5	85	0.00
52	CM	Toluene	0.923	0.937	-1.5#	91	0.00
53	T	t-1,3-Dichloropropene	0.465	0.457	1.7	87	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.537	2.0	88	0.00
55	T	1,1,2-Trichloroethane	0.260	0.253	2.7	90	0.00
56	T	Ethyl methacrylate	0.332	0.340	-2.4	86	0.00
57	T	1,3-Dichloropropane	0.449	0.443	1.3	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.171	-5.6	88	0.00
59	T	2-Hexanone	0.153	0.149	2.6	85	0.00
60	T	Dibromochloromethane	0.355	0.359	-1.1	91	0.00
61	T	1,2-Dibromoethane	0.244	0.241	1.2	88	0.00
62	S	4-Bromofluorobenzene	0.417	0.442	-6.0	93	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.455	0.452	0.7	94	0.00
65	PM	Chlorobenzene	1.146	1.113	2.9	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.402	1.2	92	0.00
67	C	Ethyl Benzene	1.965	1.994	-1.5#	91	0.00
68	T	m/p-Xylenes	0.753	0.761	-1.1	91	0.00
69	T	o-Xylene	0.695	0.704	-1.3	89	0.00
70	T	Styrene	1.158	1.203	-3.9	91	0.00
71	P	Bromoform	0.232	0.228	1.7	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.714	3.651	1.7	91	0.00
74	T	N-amyl acetate	0.872	0.805	7.7	84	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.591	11.5	86	0.00
76	T	1,2,3-Trichloropropane	0.496	0.480	3.2	92	0.00
77	T	Bromobenzene	0.892	0.846	5.2	91	0.00
78	T	n-propylbenzene	4.465	4.445	0.4	92	0.00
79	T	2-Chlorotoluene	2.593	2.517	2.9	91	0.00
80	T	1,3,5-Trimethylbenzene	3.035	2.999	1.2	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.191	11.2	82	0.00
82	T	4-Chlorotoluene	2.704	2.623	3.0	91	0.00
83	T	tert-Butylbenzene	2.703	2.636	2.5	90	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.001	-0.0	91	0.00
85	T	sec-Butylbenzene	3.951	3.921	0.8	91	0.00
86	T	p-Isopropyltoluene	3.265	3.296	-0.9	92	0.00
87	T	1,3-Dichlorobenzene	1.757	1.684	4.2	92	0.00
88	T	1,4-Dichlorobenzene	1.736	1.654	4.7	91	0.00
89	T	n-Butylbenzene	3.020	3.041	-0.7	91	0.00
90	T	Hexachloroethane	0.716	0.687	4.1	93	0.00
91	T	1,2-Dichlorobenzene	1.529	1.479	3.3	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.093	9.7	87	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.819	1.2	89	0.00
94	T	Hexachlorobutadiene	0.518	0.505	2.5	92	0.00
95	T	Naphthalene	1.375	1.341	2.5	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.703	0.6	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	96	0.00
2	T	Dichlorodifluoromethane	50.000	44.355	11.3	87	0.00
3	P	Chloromethane	50.000	43.781	12.4	88	0.00
4	C	Vinyl Chloride	50.000	43.939	12.1#	87	0.00
5	T	Bromomethane	50.000	42.973	14.1	90	0.00
6	T	Chloroethane	50.000	44.025	12.0	89	0.00
7	T	Trichlorofluoromethane	50.000	45.429	9.1	91	0.00
8	T	Diethyl Ether	50.000	43.889	12.2	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.234	7.5	92	0.00
10	T	Methyl Iodide	50.000	47.511	5.0	85	0.00
11	T	Tert butyl alcohol	250.000	198.281	20.7	79	0.00
12	CM	1,1-Dichloroethene	50.000	45.826	8.3#	90	0.00
13	T	Acrolein	250.000	108.084	56.8#	42	0.00
14	T	Allyl chloride	50.000	45.628	8.7	87	0.00
15	T	Acrylonitrile	250.000	220.642	11.7	84	0.00
16	T	Acetone	250.000	205.322	17.9	82	0.00
17	T	Carbon Disulfide	50.000	44.833	10.3	88	0.00
18	T	Methyl Acetate	50.000	47.090	5.8	94	0.00
19	T	Methyl tert-butyl Ether	50.000	46.078	7.8	87	0.00
20	T	Methylene Chloride	50.000	47.558	4.9	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.214	7.6	90	0.00
22	T	Diisopropyl ether	50.000	47.921	4.2	90	0.00
23	T	Vinyl Acetate	250.000	228.612	8.6	85	0.00
24	P	1,1-Dichloroethane	50.000	46.472	7.1	90	0.00
25	T	2-Butanone	250.000	214.357	14.3	82	0.00
26	T	2,2-Dichloropropane	50.000	46.842	6.3	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.913	6.2	90	0.00
28	T	Bromochloromethane	50.000	48.848	2.3	97	0.00
29	T	Tetrahydrofuran	250.000	221.852	11.3	82	0.00
30	C	Chloroform	50.000	46.388	7.2#	90	0.00
31	T	Cyclohexane	50.000	44.882	10.2	90	0.00
32	T	1,1,1-Trichloroethane	50.000	46.549	6.9	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.189	1.6	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	51.952	-3.9	92	0.00
36	T	1,1-Dichloropropene	50.000	50.100	-0.2	91	0.00
37	T	Ethyl Acetate	50.000	44.748	10.5	82	0.00
38	T	Carbon Tetrachloride	50.000	49.520	1.0	92	0.00
39	T	Methylcyclohexane	50.000	50.518	-1.0	89	0.00
40	TM	Benzene	50.000	49.278	1.4	90	0.00
41	T	Methacrylonitrile	50.000	43.428	13.1	73	-0.01
42	TM	1,2-Dichloroethane	50.000	48.074	3.9	88	0.00
43	T	Isopropyl Acetate	50.000	46.402	7.2	84	0.00
44	TM	Trichloroethene	50.000	49.692	0.6	93	0.00
45	C	1,2-Dichloropropane	50.000	49.325	1.3#	91	0.00
46	T	Dibromomethane	50.000	48.116	3.8	91	0.00
47	T	Bromodichloromethane	50.000	49.080	1.8	91	0.00
48	T	Methyl methacrylate	50.000	48.681	2.6	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	916.931	8.3	82	0.00
50	S	Toluene-d8	50.000	52.794	-5.6	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	241.372	3.5	85	0.00
52	CM	Toluene	50.000	50.737	-1.5#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	49.181	1.6	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.979	2.0	88	0.00
55	T	1,1,2-Trichloroethane	50.000	48.624	2.8	90	0.00
56	T	Ethyl methacrylate	50.000	51.235	-2.5	86	0.00
57	T	1,3-Dichloropropane	50.000	49.355	1.3	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	264.232	-5.7	88	0.00
59	T	2-Hexanone	250.000	243.569	2.6	85	0.00
60	T	Dibromochloromethane	50.000	50.684	-1.4	91	0.00
61	T	1,2-Dibromoethane	50.000	49.485	1.0	88	0.00
62	S	4-Bromofluorobenzene	50.000	52.928	-5.9	93	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	49.667	0.7	94	0.00
65	PM	Chlorobenzene	50.000	48.533	2.9	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.482	1.0	92	0.00
67	C	Ethyl Benzene	50.000	50.727	-1.5#	91	0.00
68	T	m/p-Xylenes	100.000	101.155	-1.2	91	0.00
69	T	o-Xylene	50.000	50.688	-1.4	89	0.00
70	T	Styrene	50.000	51.933	-3.9	91	0.00
71	P	Bromoform	50.000	49.056	1.9	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	49.152	1.7	91	0.00
74	T	N-amyl acetate	50.000	46.159	7.7	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.226	11.5	86	0.00
76	T	1,2,3-Trichloropropane	50.000	48.426	3.1	92	0.00
77	T	Bromobenzene	50.000	47.465	5.1	91	0.00
78	T	n-propylbenzene	50.000	49.780	0.4	92	0.00
79	T	2-Chlorotoluene	50.000	48.532	2.9	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.401	1.2	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.380	11.2	82	0.00
82	T	4-Chlorotoluene	50.000	48.519	3.0	91	0.00
83	T	tert-Butylbenzene	50.000	48.759	2.5	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.015	-0.0	91	0.00
85	T	sec-Butylbenzene	50.000	49.626	0.7	91	0.00
86	T	p-Isopropyltoluene	50.000	50.469	-0.9	92	0.00
87	T	1,3-Dichlorobenzene	50.000	47.936	4.1	92	0.00
88	T	1,4-Dichlorobenzene	50.000	47.658	4.7	91	0.00
89	T	n-Butylbenzene	50.000	50.346	-0.7	91	0.00
90	T	Hexachloroethane	50.000	48.010	4.0	93	0.00
91	T	1,2-Dichlorobenzene	50.000	48.364	3.3	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.709	10.6	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.367	1.3	89	0.00
94	T	Hexachlorobutadiene	50.000	48.800	2.4	92	0.00
95	T	Naphthalene	50.000	48.786	2.4	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	49.730	0.5	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 17:44

Lab File ID: VY021792.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.359		-30.69	50
Chloromethane	0.729	0.553	0.1	-24.14	50
Vinyl Chloride	0.824	0.666		-19.17	50
Bromomethane	0.562	0.462		-17.79	50
Chloroethane	0.539	0.475		-11.87	50
Tetrahydrofuran	0.102	0.108		5.88	50
Trichlorofluoromethane	1.056	0.967		-8.43	50
1,1,2-Trichlorotrifluoroethane	0.557	0.556		-0.18	50
1,1-Dichloroethene	0.524	0.478		-8.78	50
Acrylonitrile	0.120	0.128		6.67	50
Acetone	0.111	0.096		-13.51	50
Carbon Disulfide	1.727	1.311		-24.09	50
Methyl tert-butyl Ether	1.306	1.331		1.91	50
Methylene Chloride	0.626	0.578		-7.67	50
trans-1,2-Dichloroethene	0.577	0.545		-5.55	50
1,1-Dichloroethane	1.049	1.054	0.1	0.48	50
2-Butanone	0.158	0.160		1.27	50
Carbon Tetrachloride	0.566	0.580		2.47	50
2,2-Dichloropropane	0.933	0.866		-7.18	50
cis-1,2-Dichloroethene	0.649	0.653		0.62	50
Chloroform	1.091	1.124		3.03	50
1,1,1-Trichloroethane	0.986	1.000		1.42	50
1,1-Dichloropropene	0.494	0.494		0	50
Benzene	1.479	1.511		2.16	50
1,2-Dichloroethane	0.417	0.432		3.6	50
Trichloroethene	0.377	0.391		3.71	50
1,2-Dichloropropane	0.350	0.374		6.86	50
Dibromomethane	0.202	0.216		6.93	50
Bromodichloromethane	0.523	0.563		7.65	50
4-Methyl-2-Pentanone	0.230	0.263		14.35	50
Toluene	0.923	0.970		5.09	50
t-1,3-Dichloropropene	0.465	0.492		5.81	50
cis-1,3-Dichloropropene	0.548	0.567		3.47	50
1,1,2-Trichloroethane	0.260	0.292		12.31	50
1,3-Dichloropropane	0.449	0.485		8.02	50
2-Hexanone	0.153	0.177		15.69	50
Dibromochloromethane	0.355	0.400		12.68	50
1,2-Dibromoethane	0.244	0.265		8.61	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/04/2025 17:44

Lab File ID: VY021792.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.465		2.2	50
Chlorobenzene	1.146	1.161	0.3	1.31	50
1,1,1,2-Tetrachloroethane	0.407	0.425		4.42	50
Ethyl Benzene	1.965	2.034		3.51	50
m/p-Xylenes	0.753	0.777		3.19	50
o-Xylene	0.695	0.730		5.04	50
Styrene	1.158	1.252		8.12	50
Bromoform	0.232	0.252	0.1	8.62	50
Isopropylbenzene	3.714	3.458		-6.89	50
1,1,2,2-Tetrachloroethane	0.668	0.613	0.3	-8.23	50
1,2,3-Trichloropropane	0.496	0.461		-7.06	50
Bromobenzene	0.892	0.813		-8.86	50
n-propylbenzene	4.465	4.246		-4.91	50
2-Chlorotoluene	2.593	2.381		-8.18	50
1,3,5-Trimethylbenzene	3.035	2.858		-5.83	50
4-Chlorotoluene	2.704	2.492		-7.84	50
tert-Butylbenzene	2.703	2.600		-3.81	50
1,2,4-Trimethylbenzene	3.000	2.878		-4.07	50
sec-Butylbenzene	3.951	3.849		-2.58	50
p-Isopropyltoluene	3.265	3.199		-2.02	50
1,3-Dichlorobenzene	1.757	1.648		-6.2	50
1,4-Dichlorobenzene	1.736	1.619		-6.74	50
n-Butylbenzene	3.020	2.961		-1.95	50
1,2-Dichlorobenzene	1.529	1.448		-5.3	50
1,2-Dibromo-3-Chloropropane	0.103	0.101		-1.94	50
1,2,4-Trichlorobenzene	0.829	0.830		0.12	50
Hexachlorobutadiene	0.518	0.526		1.54	50
1,2,3-Trichlorobenzene	0.707	0.730		3.25	50
1,2-Dichloroethane-d4	0.542	0.534		-1.48	50
Dibromofluoromethane	0.324	0.335		3.39	50
Toluene-d8	1.234	1.224		-0.81	50
4-Bromofluorobenzene	0.417	0.451		8.15	50
trans-1,4-Dichloro-2-butene	0.215	0.185		-13.95	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\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	174293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	268405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93081	49.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.580%			
35) Dibromofluoromethane	7.634	113	89783	51.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.103	98	328405	49.581	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.408	95	121039	54.025	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	62640	34.675	ug/l	99
3) Chloromethane	2.068	50	96339	37.926	ug/l	100
4) Vinyl Chloride	2.202	62	116025	40.388	ug/l	97
5) Bromomethane	2.592	94	80538	41.105	ug/l	100
6) Chloroethane	2.733	64	82750	44.021	ug/l	96
7) Trichlorofluoromethane	3.056	101	168626	45.822	ug/l	98
8) Diethyl Ether	3.452	74	47435	47.399	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	96948	49.950	ug/l	99
10) Methyl Iodide	4.001	142	97802	45.932	ug/l	100
11) Tert butyl alcohol	4.866	59	29874	243.556	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	83387	45.612	ug/l	95
13) Acrolein	3.647	56	1776	7.930	ug/l	94
14) Allyl chloride	4.385	41	138265	47.435	ug/l	99
15) Acrylonitrile	5.061	53	111919	267.842	ug/l	100
16) Acetone	3.873	43	83270	215.455	ug/l	99
17) Carbon Disulfide	4.104	76	228452	37.940	ug/l	100
18) Methyl Acetate	4.385	43	73615	76.853	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	231989	50.970	ug/l	100
20) Methylene Chloride	4.616	84	100684	53.510	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	95054	47.223	ug/l	97
22) Diisopropyl ether	6.019	45	321680	52.609	ug/l	99
23) Vinyl Acetate	5.958	43	852883	238.431	ug/l	99
24) 1,1-Dichloroethane	5.915	63	183690	50.240	ug/l	99
25) 2-Butanone	6.896	43	139355	252.446	ug/l	99
26) 2,2-Dichloropropane	6.884	77	150953	46.414	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	113782	50.266	ug/l	99
28) Bromochloromethane	7.244	49	76527	49.629	ug/l	99
29) Tetrahydrofuran	7.262	42	94257	265.308	ug/l	100
30) Chloroform	7.421	83	195921	51.519	ug/l	96
31) Cyclohexane	7.701	56	150188	45.062	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	174309	50.714	ug/l	100
36) 1,1-Dichloropropene	7.835	75	132692	50.035	ug/l	99
37) Ethyl Acetate	6.988	43	64748	51.733	ug/l	99
38) Carbon Tetrachloride	7.817	117	155663	51.249	ug/l	99
39) Methylcyclohexane	9.109	83	161325	50.922	ug/l	99
40) Benzene	8.079	78	405446	51.051	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	34626	52.095	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	115981	51.801	ug/l		100
43) Isopropyl Acetate	8.195	43	124209	52.369	ug/l		99
44) Trichloroethene	8.866	130	105036	51.907	ug/l		99
45) 1,2-Dichloropropane	9.140	63	100494	53.457	ug/l		98
46) Dibromomethane	9.231	93	57879	53.422	ug/l		96
47) Bromodichloromethane	9.420	83	151198	53.857	ug/l		98
48) Methyl methacrylate	9.219	41	59783	54.919	ug/l		99
49) 1,4-Dioxane	9.231	88	12102	1042.700	ug/l		93
51) 4-Methyl-2-Pentanone	10.000	43	352592	285.663	ug/l		99
52) Toluene	10.170	92	260277	52.527	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	131936	52.910	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	152131	51.714	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	78322	56.175	ug/l		96
56) Ethyl methacrylate	10.439	69	101856	57.212	ug/l		99
57) 1,3-Dichloropropane	10.719	76	130252	54.092	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	256125	294.907	ug/l		99
59) 2-Hexanone	10.762	43	237017	288.335	ug/l		99
60) Dibromochloromethane	10.914	129	107386	56.412	ug/l		99
61) 1,2-Dibromoethane	11.012	107	71249	54.475	ug/l		100
64) Tetrachloroethene	10.646	164	115433	51.070	ug/l		98
65) Chlorobenzene	11.438	112	288107	50.644	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	105444	52.241	ug/l		99
67) Ethyl Benzene	11.518	91	504722	51.739	ug/l		100
68) m/p-Xylenes	11.627	106	385465	103.189	ug/l		100
69) o-Xylene	11.957	106	181127	52.528	ug/l		99
70) Styrene	11.969	104	310624	54.028	ug/l		99
71) Bromoform	12.133	173	62495	54.280	ug/l	#	100
73) Isopropylbenzene	12.255	105	490199	46.563	ug/l		100
74) N-amyl acetate	12.072	43	110051	44.542	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86820	45.870	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	65314m	46.487	ug/l		
77) Bromobenzene	12.530	156	115240	45.591	ug/l		99
78) n-propylbenzene	12.597	91	601889	47.555	ug/l		100
79) 2-Chlorotoluene	12.682	91	337495	45.910	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	405133	47.086	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	26232	43.020	ug/l		90
82) 4-Chlorotoluene	12.780	91	353167	46.082	ug/l		99
83) tert-Butylbenzene	12.999	119	368560	48.092	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	407964	47.974	ug/l		99
85) sec-Butylbenzene	13.176	105	545612	48.717	ug/l		100
86) p-Isopropyltoluene	13.292	119	453488	48.991	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	233593	46.907	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	229501	46.644	ug/l		99
89) n-Butylbenzene	13.615	91	419749	49.033	ug/l		99
90) Hexachloroethane	13.877	117	95647	47.153	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	205263	47.349	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14291	48.715	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	117675	50.055	ug/l		99
94) Hexachlorobutadiene	15.023	225	74539	50.768	ug/l		97
95) Naphthalene	15.145	128	211567	54.294	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	103426	51.591	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

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

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

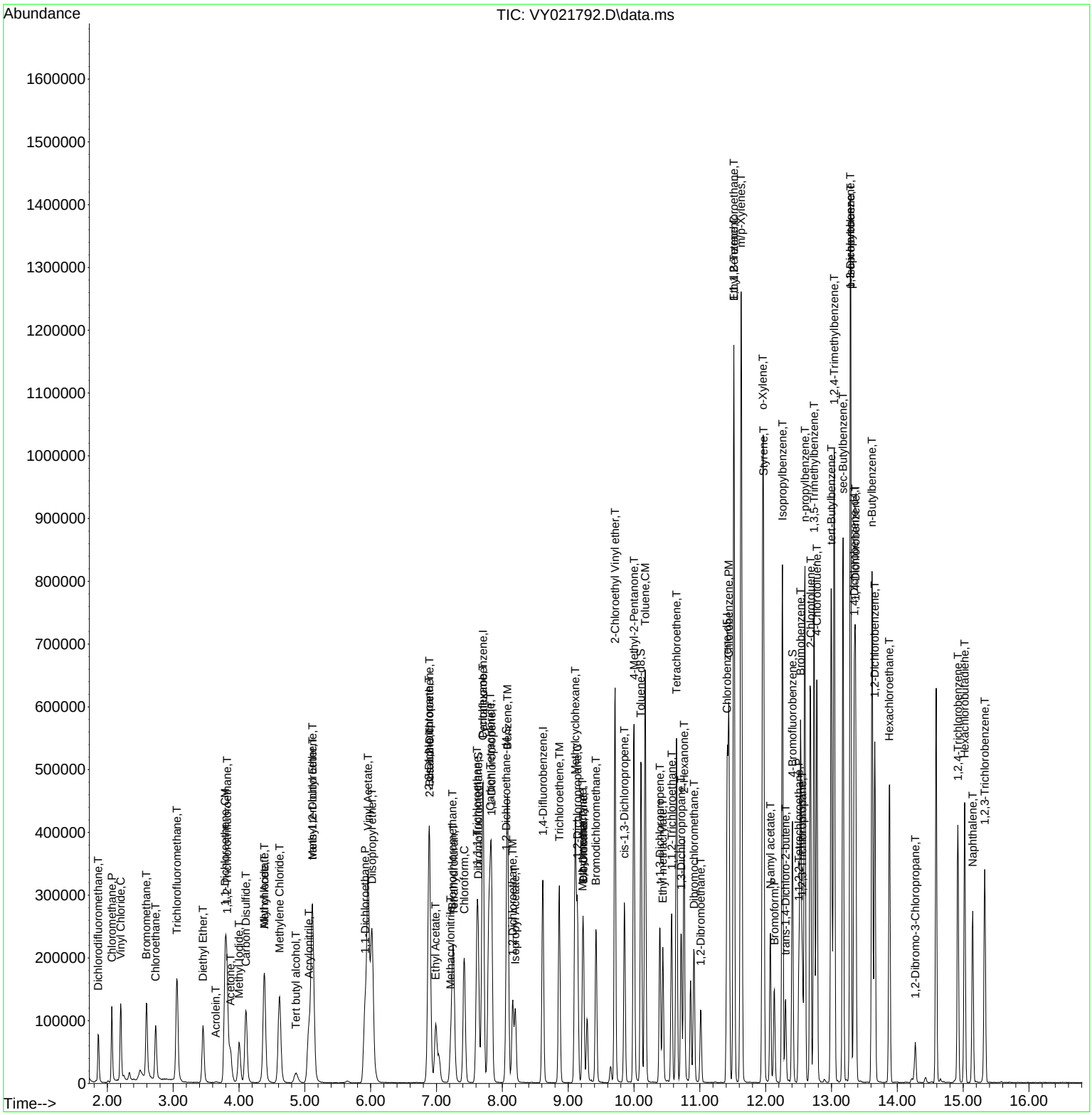
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Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

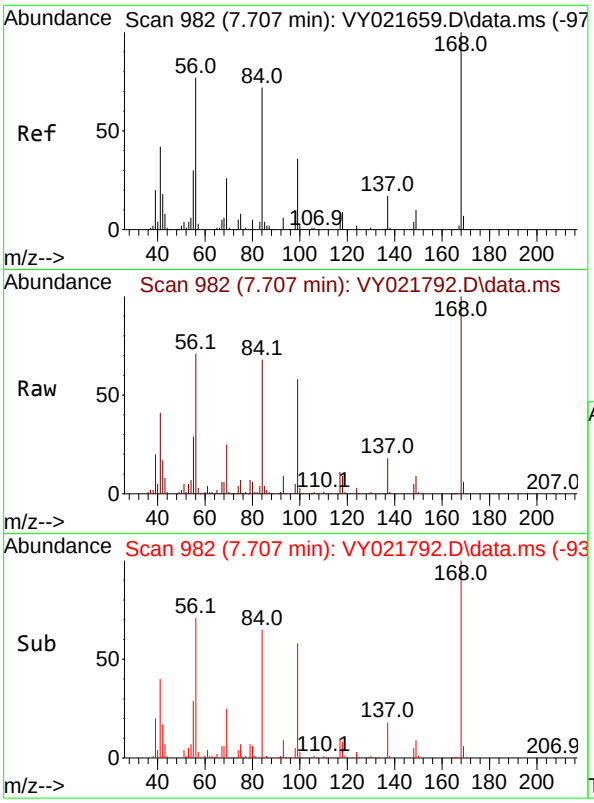
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

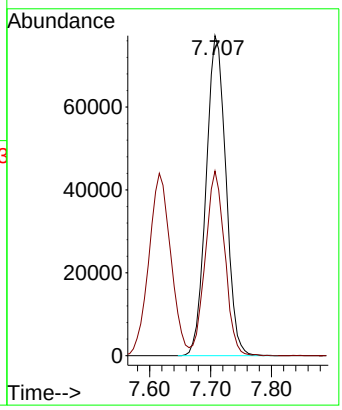
Tgt Ion:168 Resp: 17429

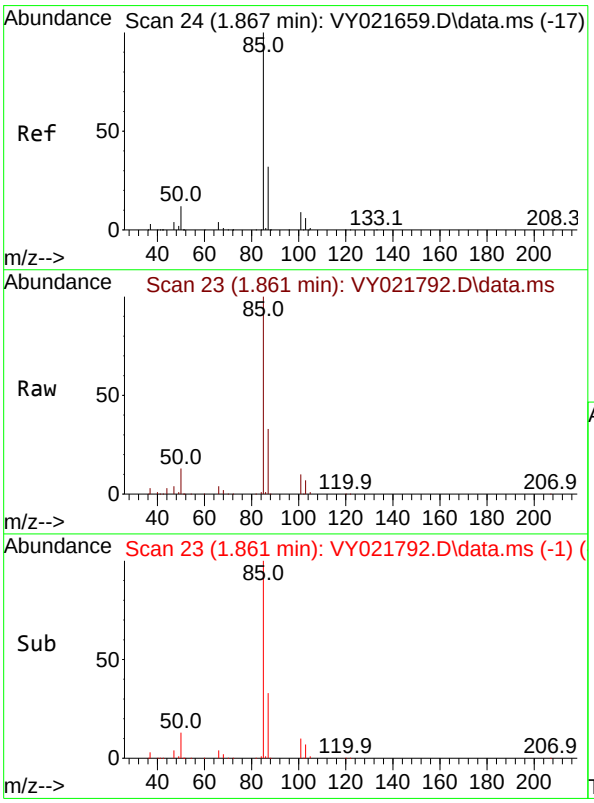
Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

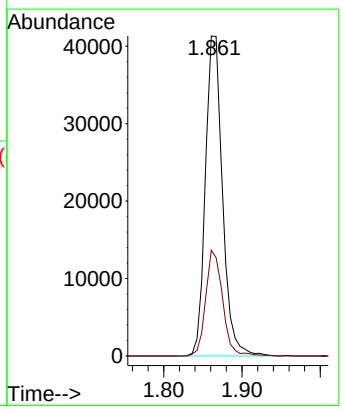


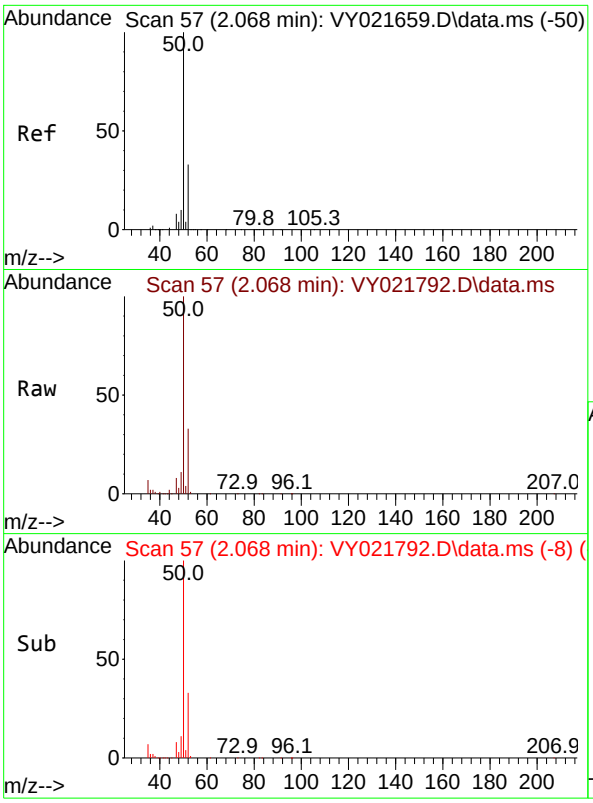


#2
Dichlorodifluoromethane
Concen: 34.675 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 85 Resp: 62640

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.2	48.6

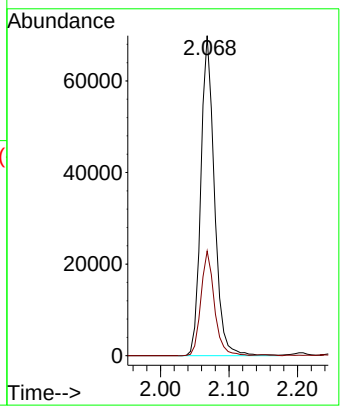




#3
Chloromethane
Concen: 37.926 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 50 Resp: 9633

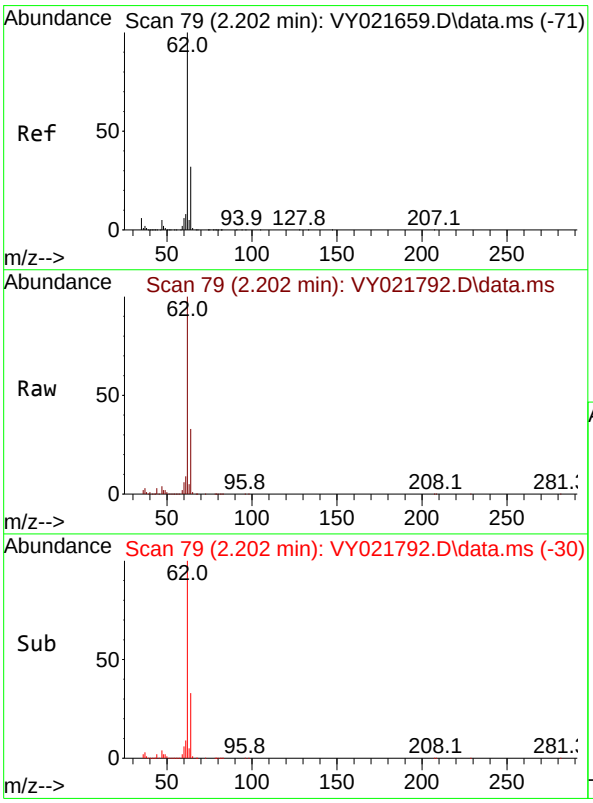
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

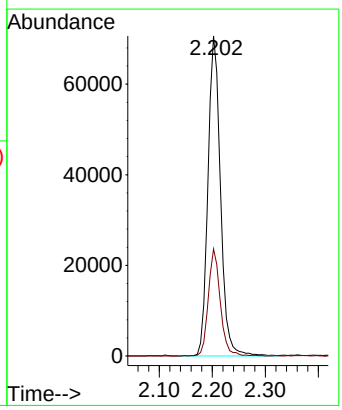
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

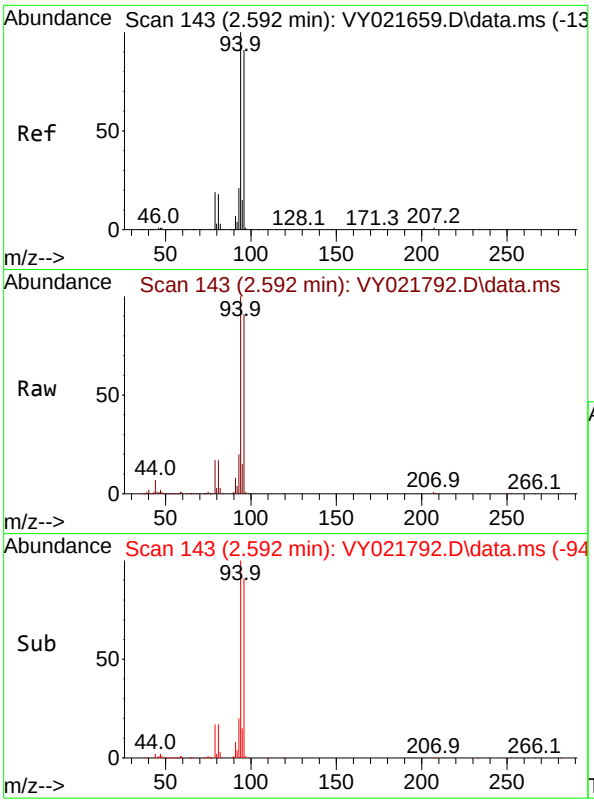


#4
Vinyl Chloride
Concen: 40.388 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 62 Resp: 116025

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.5	38.3

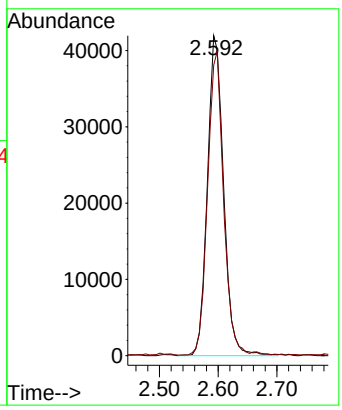




#5
Bromomethane
Concen: 41.105 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 94 Resp: 8053

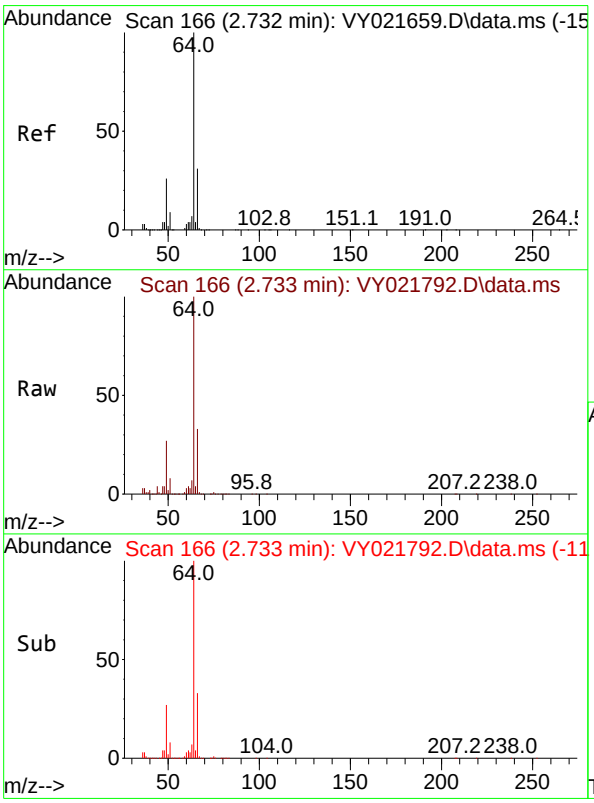
Ion	Ratio	Lower	Upper
94	100		
96	90.6	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

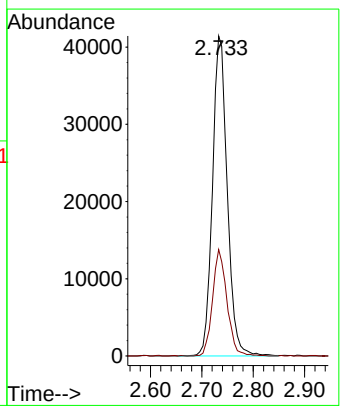
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

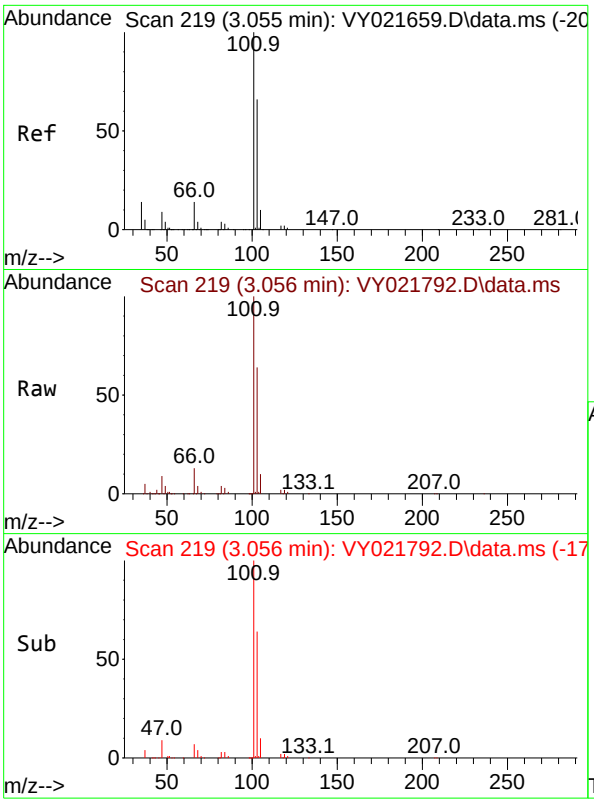


#6
Chloroethane
Concen: 44.021 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 64 Resp: 82750

Ion	Ratio	Lower	Upper
64	100		
66	33.2	24.9	37.3

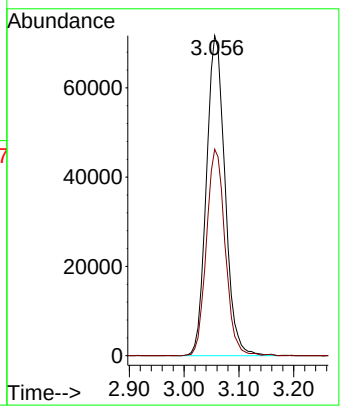




#7
Trichlorofluoromethane
Concen: 45.822 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:101 Resp: 16862

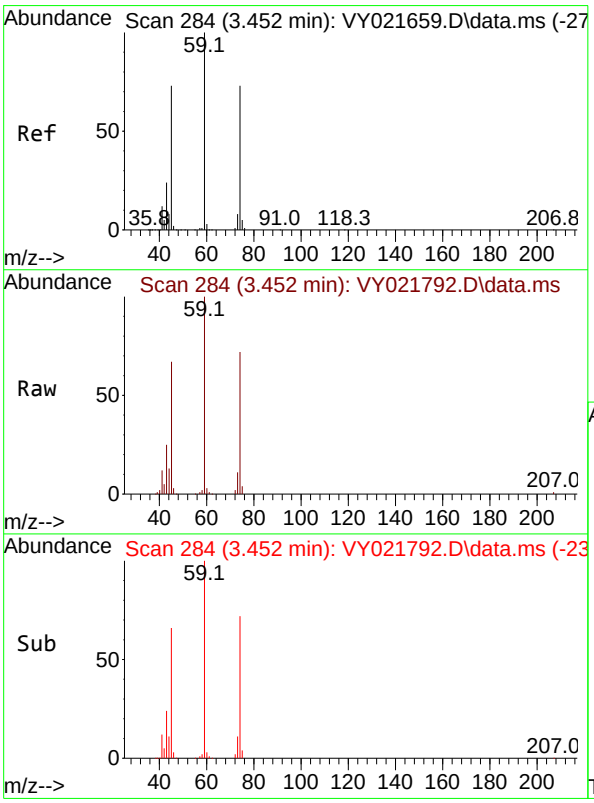
Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

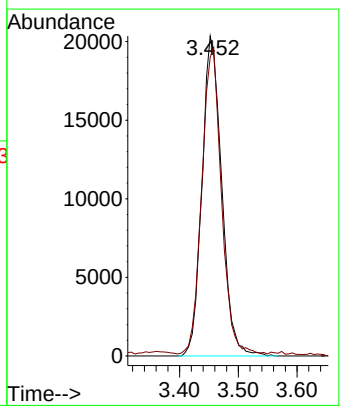
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

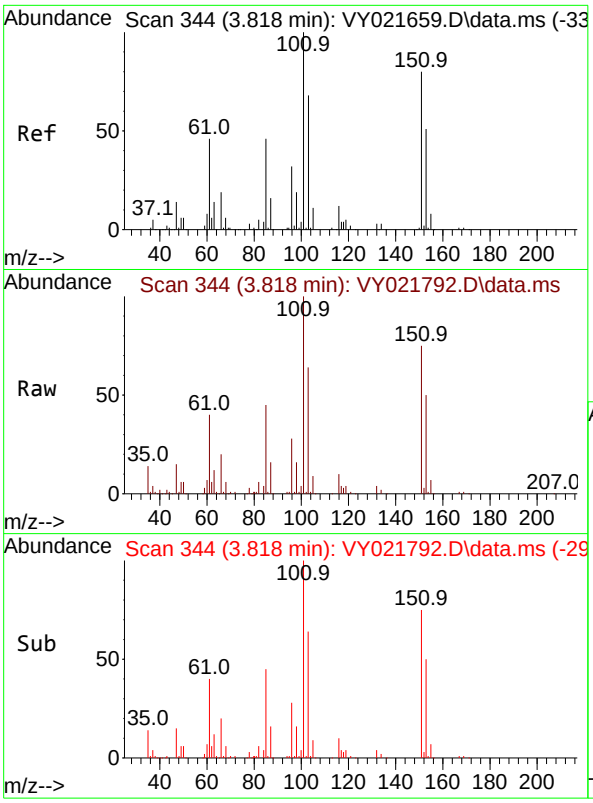


#8
Diethyl Ether
Concen: 47.399 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 74 Resp: 47435

Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.950 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

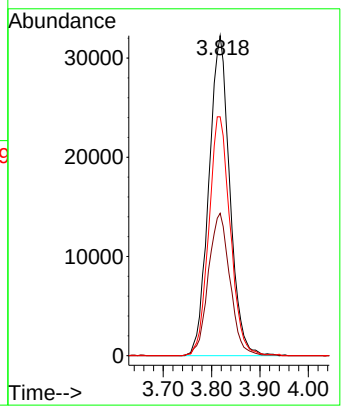
Tgt Ion:101 Resp: 9694

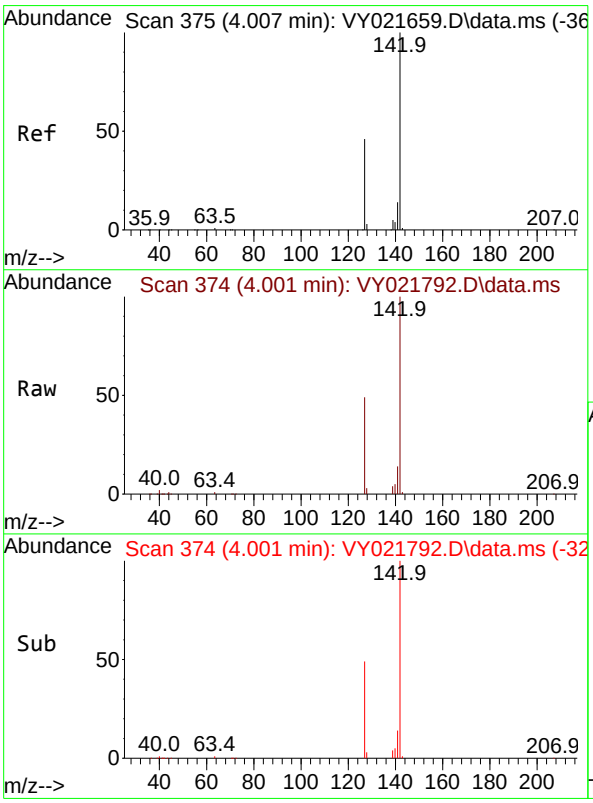
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.3	54.5
151	76.3	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

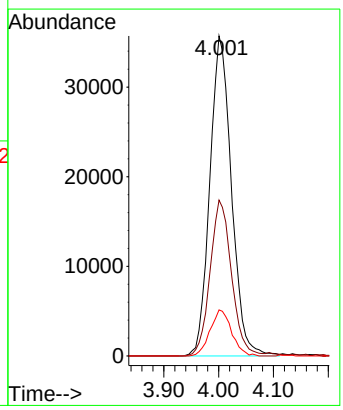


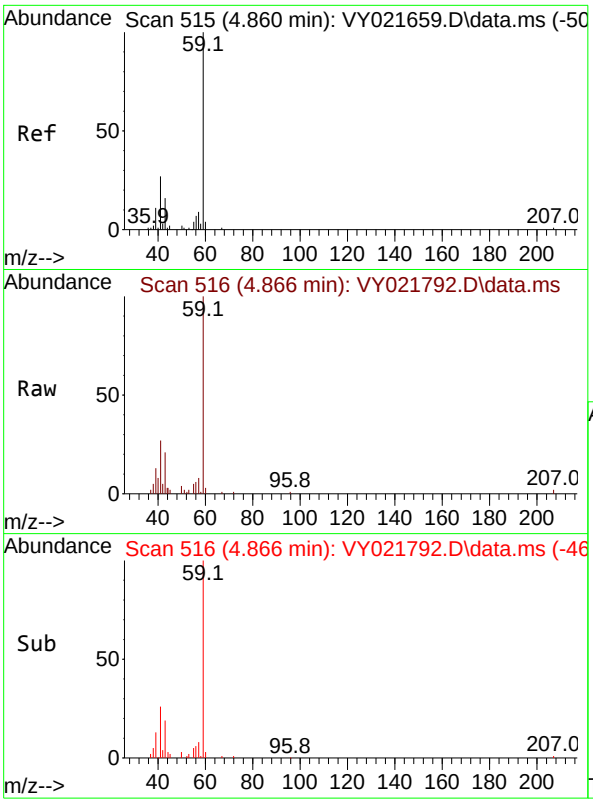


#10
Methyl Iodide
Concen: 45.932 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:142 Resp: 97802

Ion	Ratio	Lower	Upper
142	100		
127	48.2	38.7	58.1
141	14.3	11.5	17.3

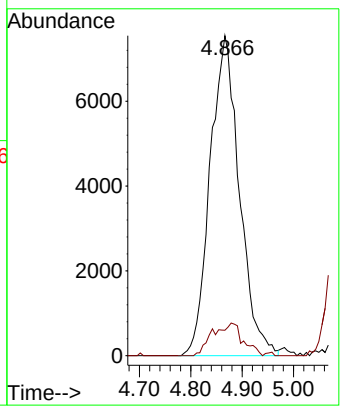




#11
Tert butyl alcohol
Concen: 243.556 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 59 Resp: 2987

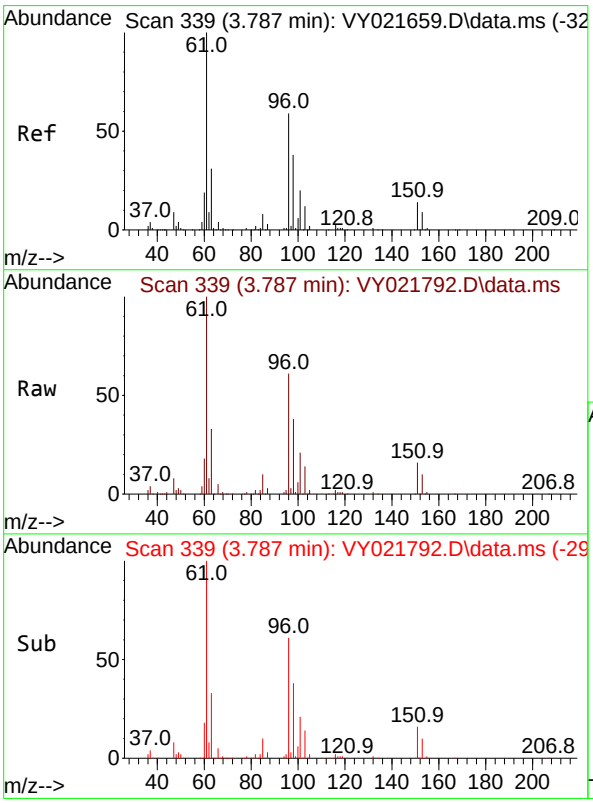
Ion	Ratio	Lower	Upper
59	100		
57	5.5	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

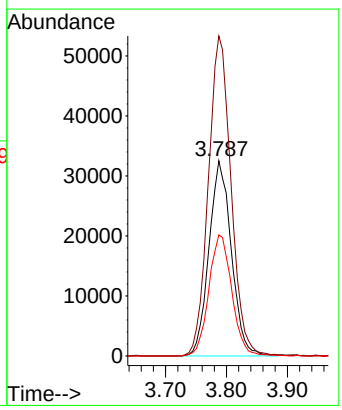
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

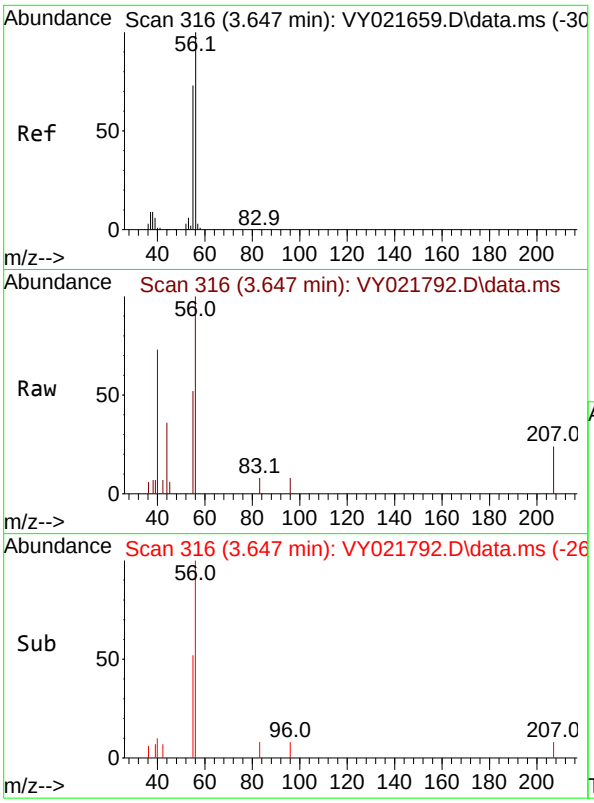


#12
1,1-Dichloroethene
Concen: 45.612 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 96 Resp: 83387

Ion	Ratio	Lower	Upper
96	100		
61	163.9	136.6	204.8
98	62.0	52.3	78.5

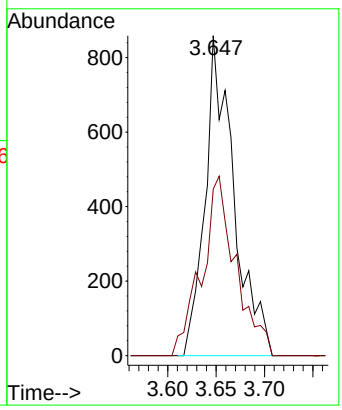




#13
Acrolein
Concen: 7.930 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 56 Resp: 177

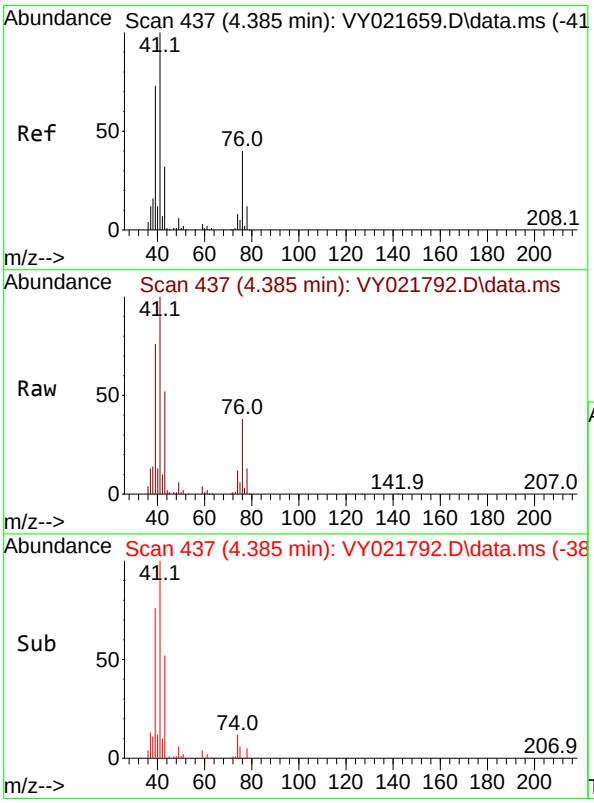
Ion	Ratio	Lower	Upper
56	100		
55	66.2	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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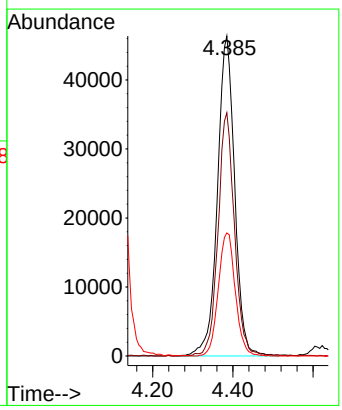
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

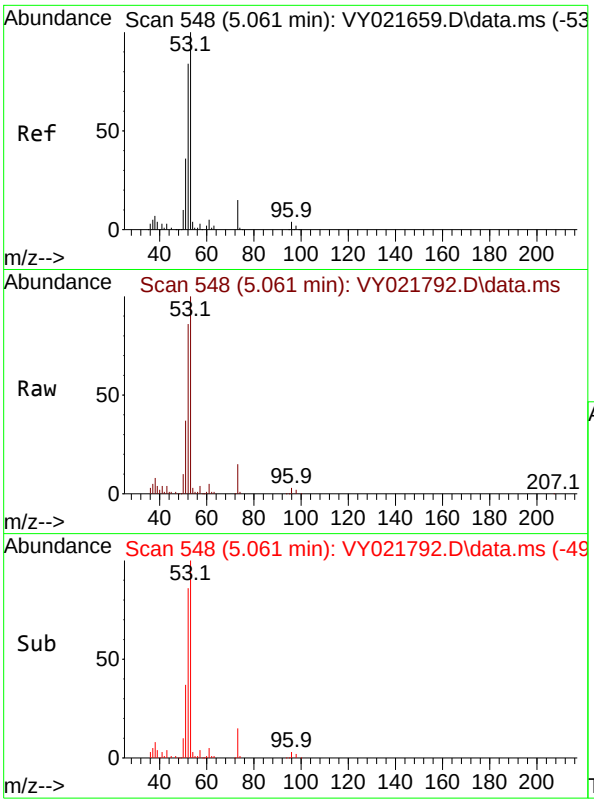


#14
Allyl chloride
Concen: 47.435 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 41 Resp: 138265

Ion	Ratio	Lower	Upper
41	100		
39	72.6	58.6	88.0
76	38.0	30.3	45.5





#15
Acrylonitrile
Concen: 267.842 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

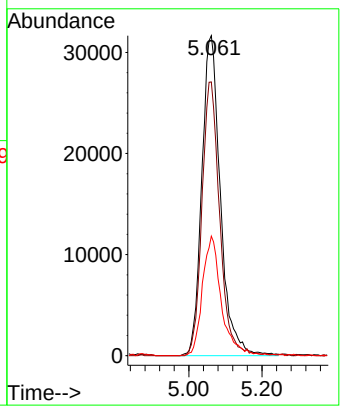
Tgt Ion: 53 Resp: 111919

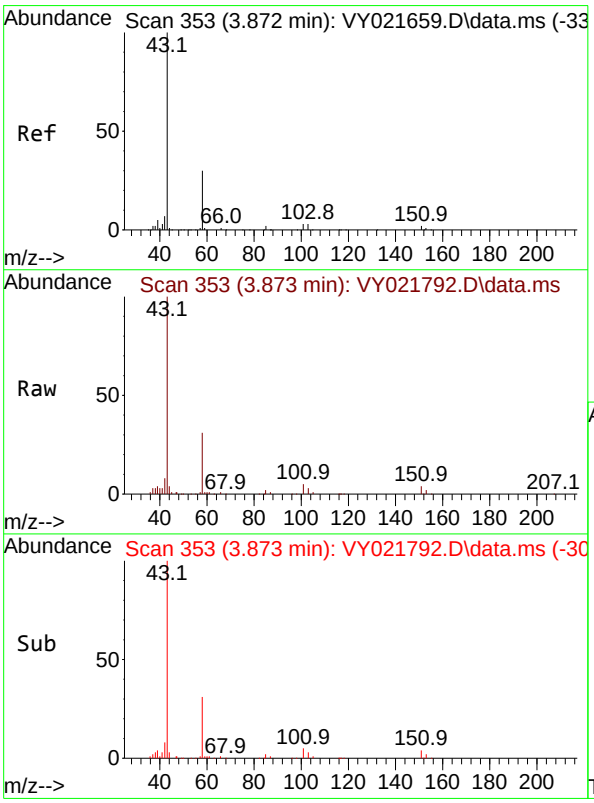
Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.9	97.3
51	38.0	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

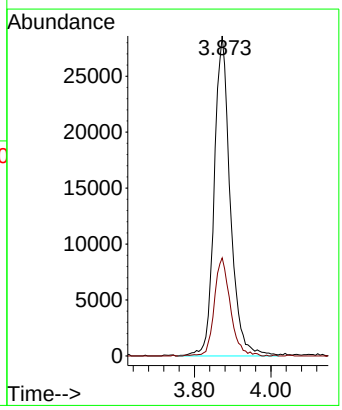


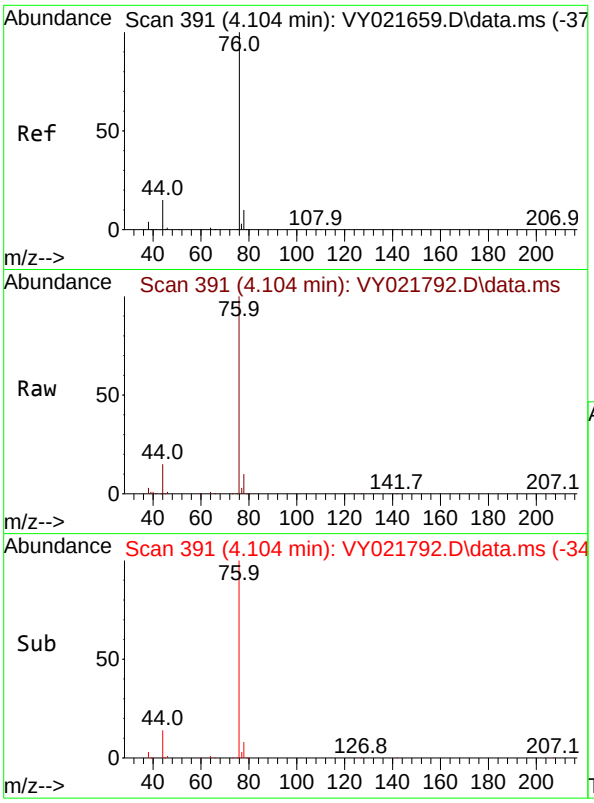


#16
Acetone
Concen: 215.455 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 83270

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.2	36.4





#17
Carbon Disulfide
Concen: 37.940 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

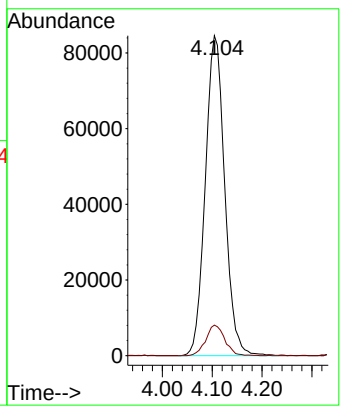
Tgt Ion: 76 Resp: 22845

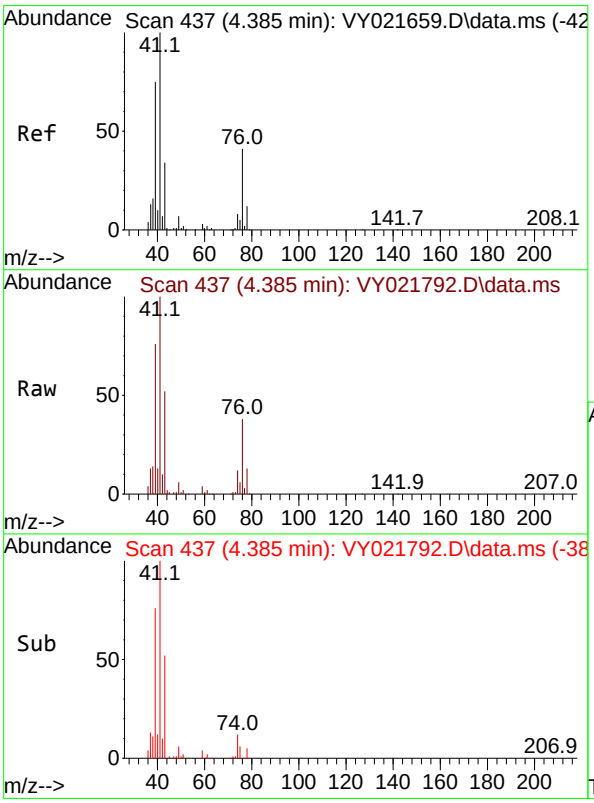
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

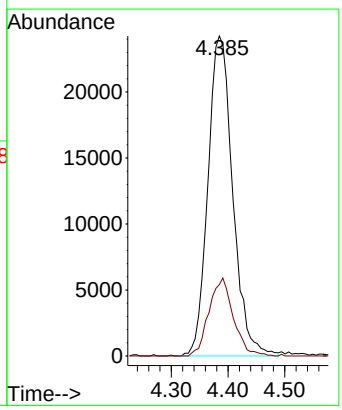


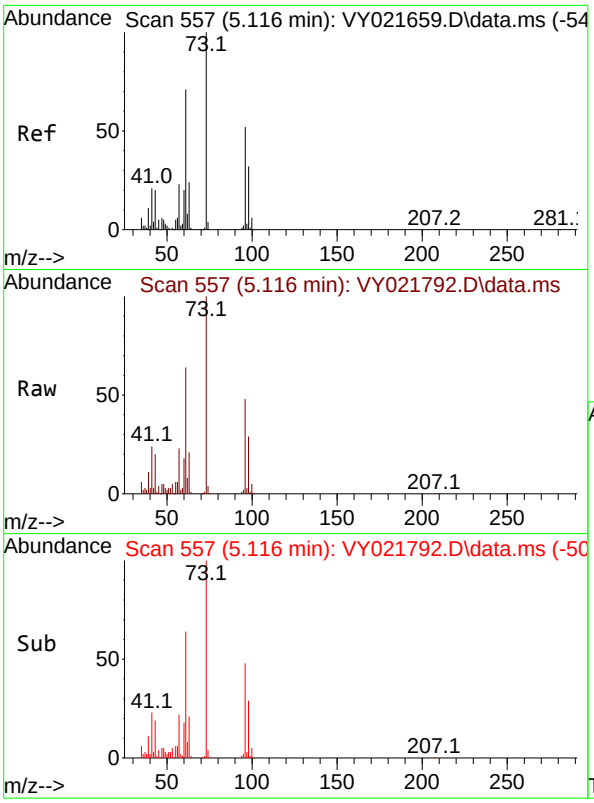


#18
Methyl Acetate
Concen: 76.853 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 73615

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7

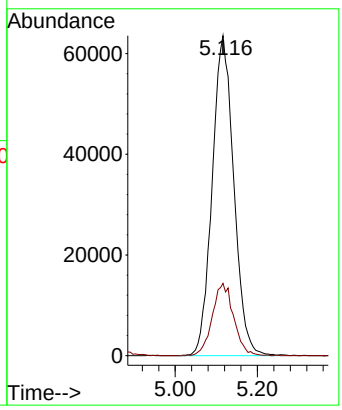




#19
Methyl tert-butyl Ether
Concen: 50.970 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 73 Resp: 23198

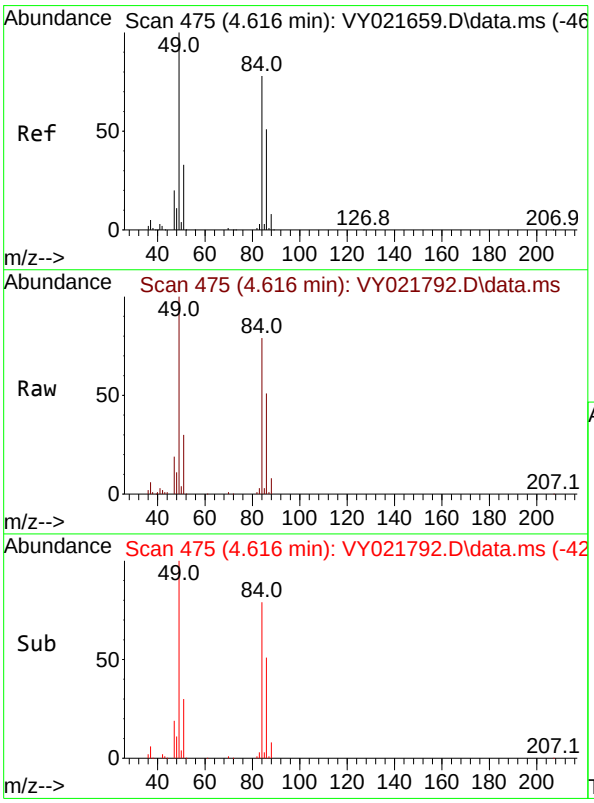
Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

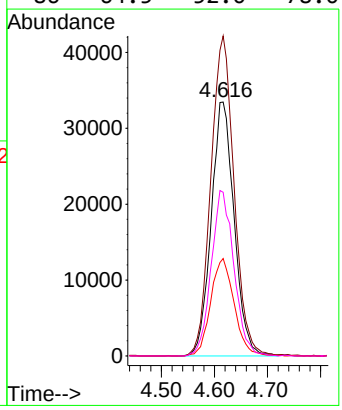
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

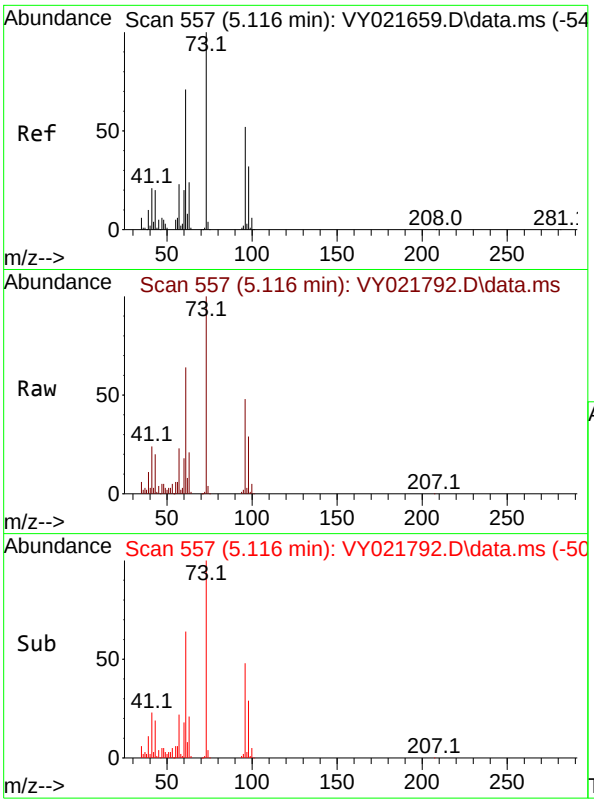


#20
Methylene Chloride
Concen: 53.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 84 Resp: 100684

Ion	Ratio	Lower	Upper
84	100		
49	126.0	102.8	154.2
51	38.4	33.5	50.3
86	64.5	52.0	78.0

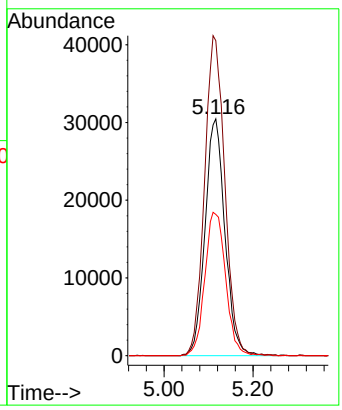




#21
trans-1,2-Dichloroethene
Concen: 47.223 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 96 Resp: 9505

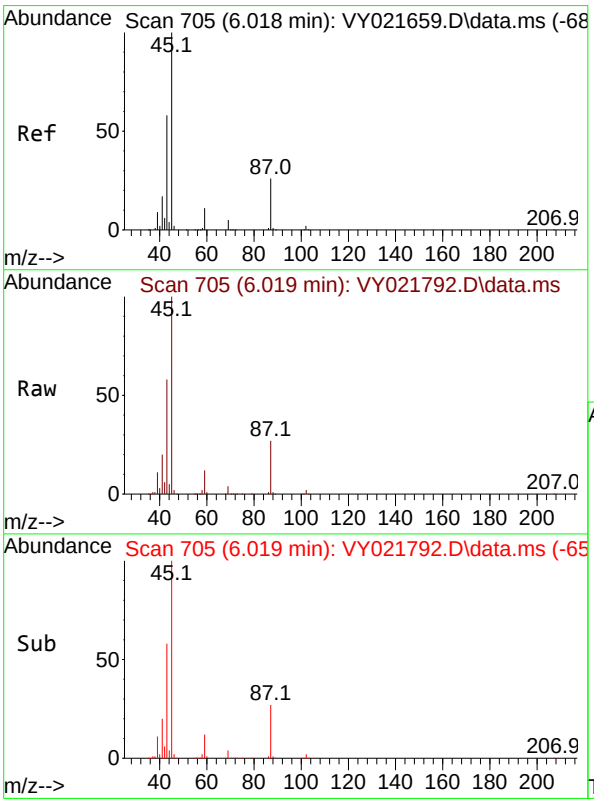
Ion	Ratio	Lower	Upper
96	100		
61	133.1	109.4	164.0
98	59.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

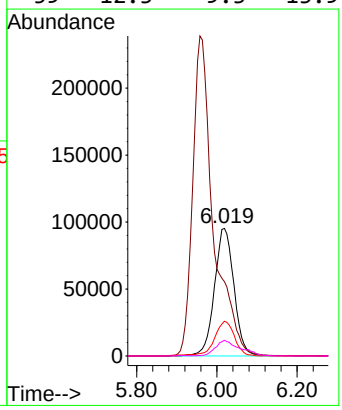
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

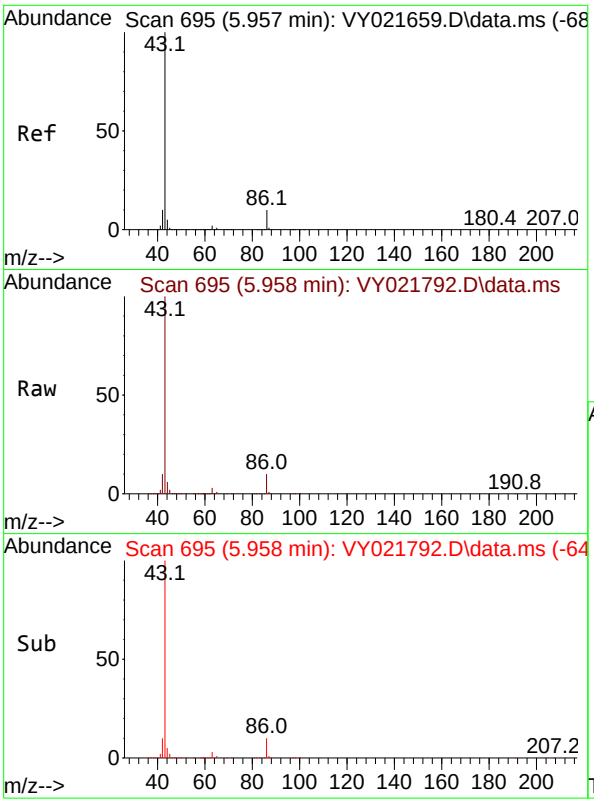


#22
Diisopropyl ether
Concen: 52.609 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 45 Resp: 321680

Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.6	69.8
87	27.3	20.7	31.1
59	12.3	9.3	13.9





#23
Vinyl Acetate
Concen: 238.431 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

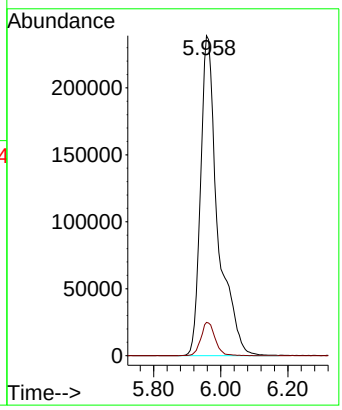
Tgt Ion: 43 Resp: 85288

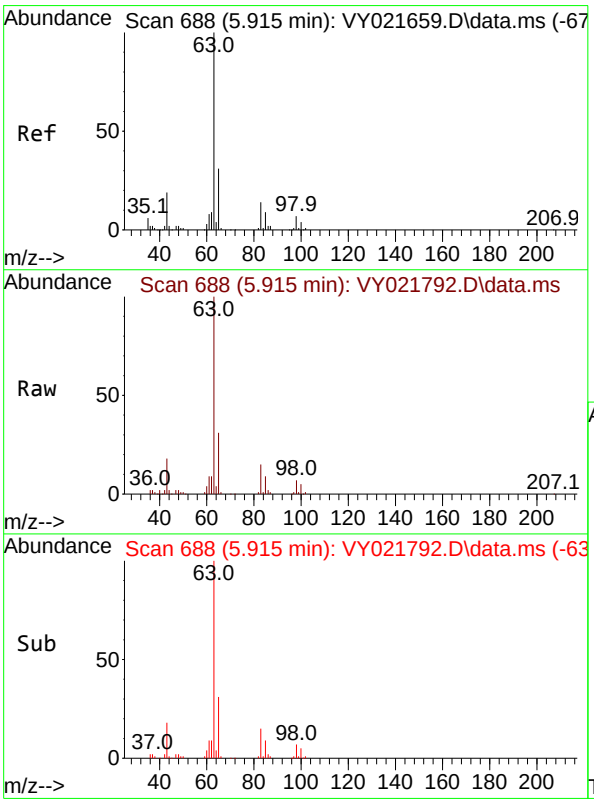
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

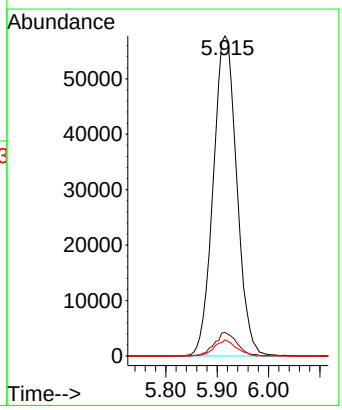


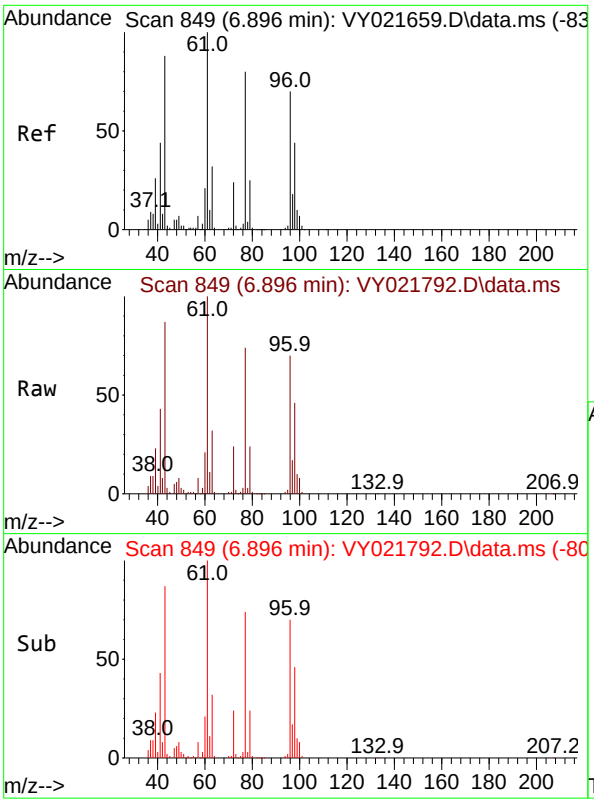


#24
1,1-Dichloroethane
Concen: 50.240 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 63 Resp: 183690

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	5.1	2.2	6.6





#25
2-Butanone
Concen: 252.446 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

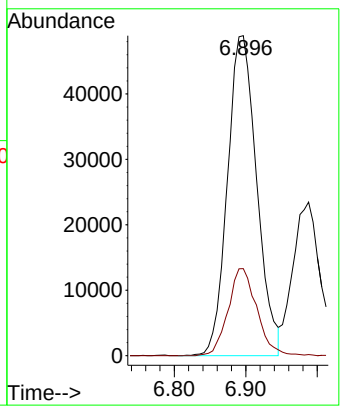
Tgt Ion: 43 Resp: 13935

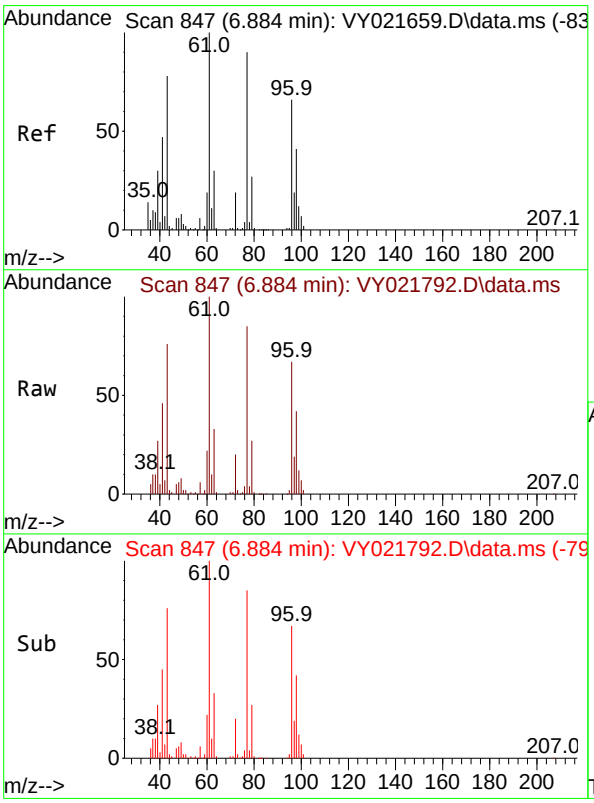
Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

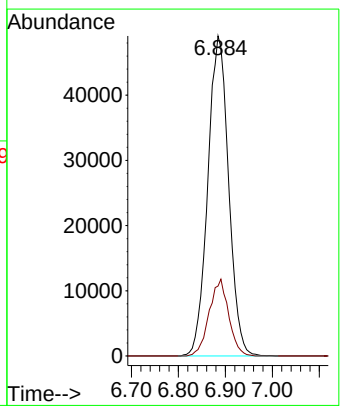


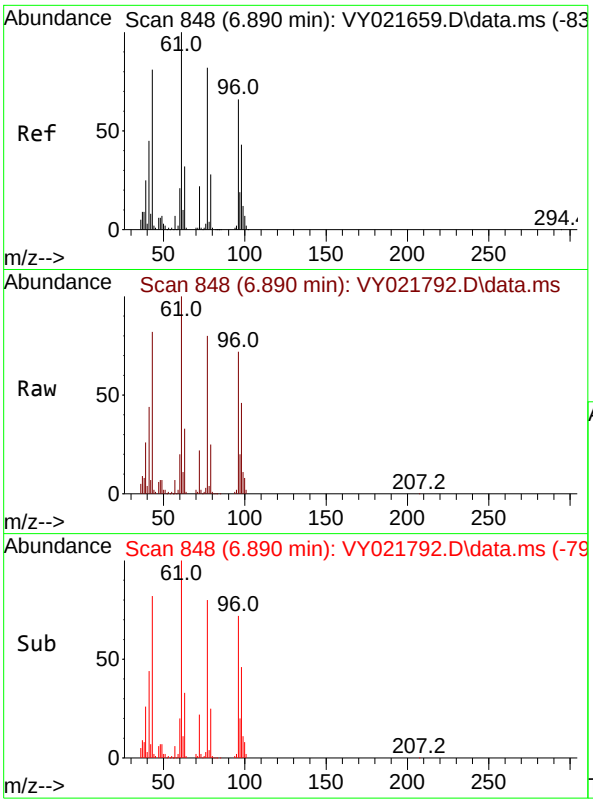


#26
2,2-Dichloropropane
Concen: 46.414 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 77 Resp: 150953

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 50.266 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

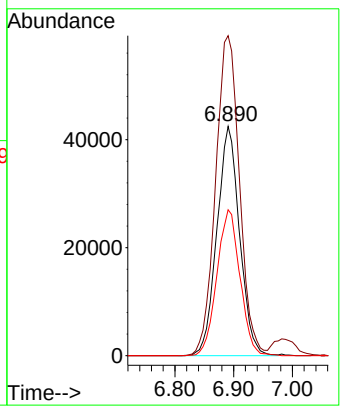
Tgt Ion: 96 Resp: 11378

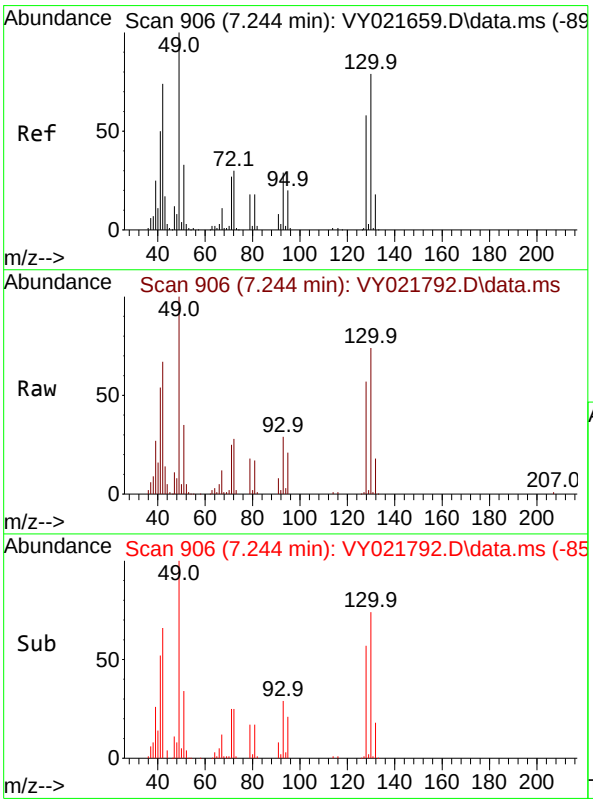
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	296.4
98	64.8	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

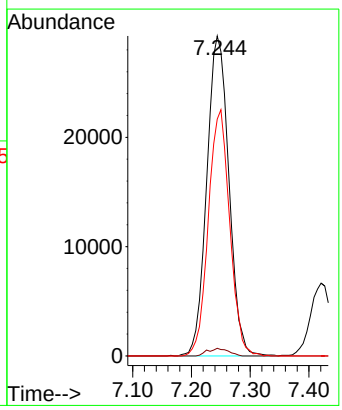


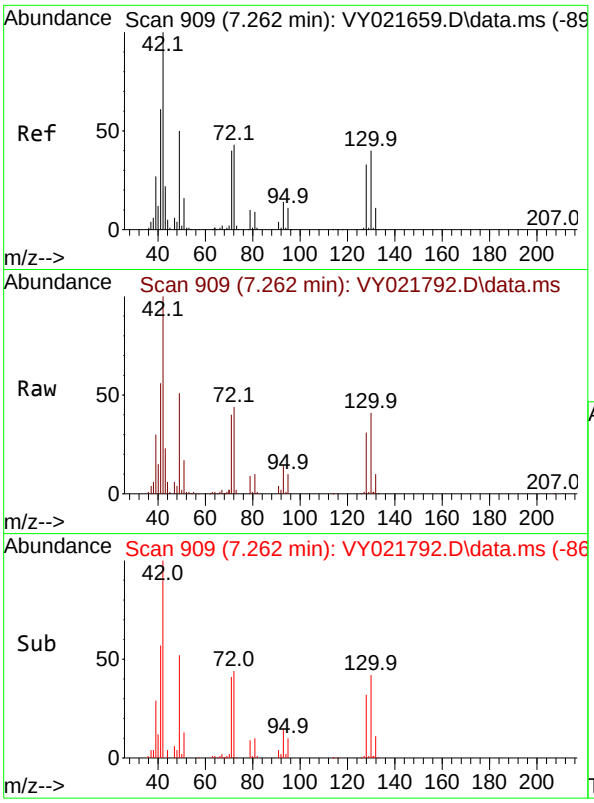


#28
Bromochloromethane
Concen: 49.629 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 49 Resp: 76527

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	74.4	60.1	90.1

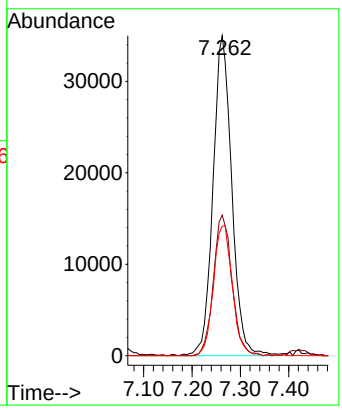




#29
Tetrahydrofuran
Concen: 265.308 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 42 Resp: 9425

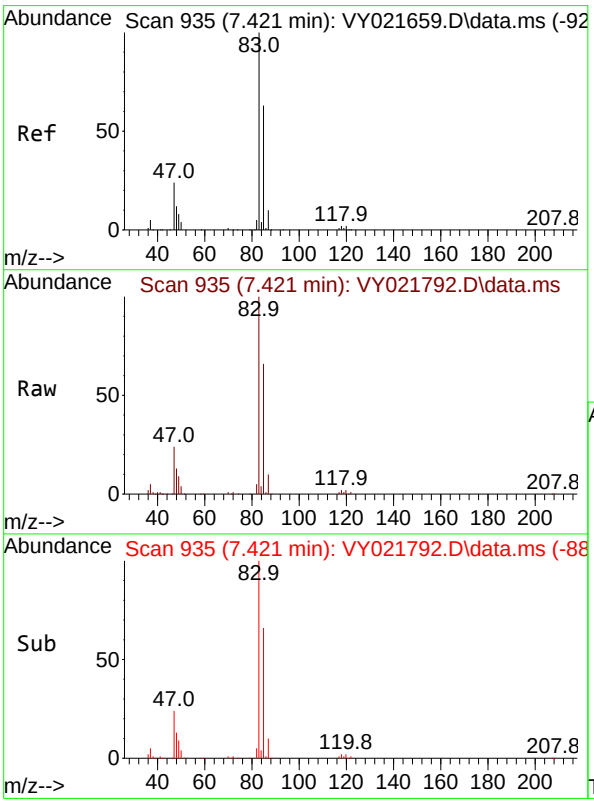
Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	40.9	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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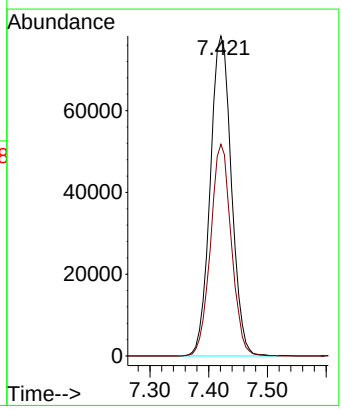
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

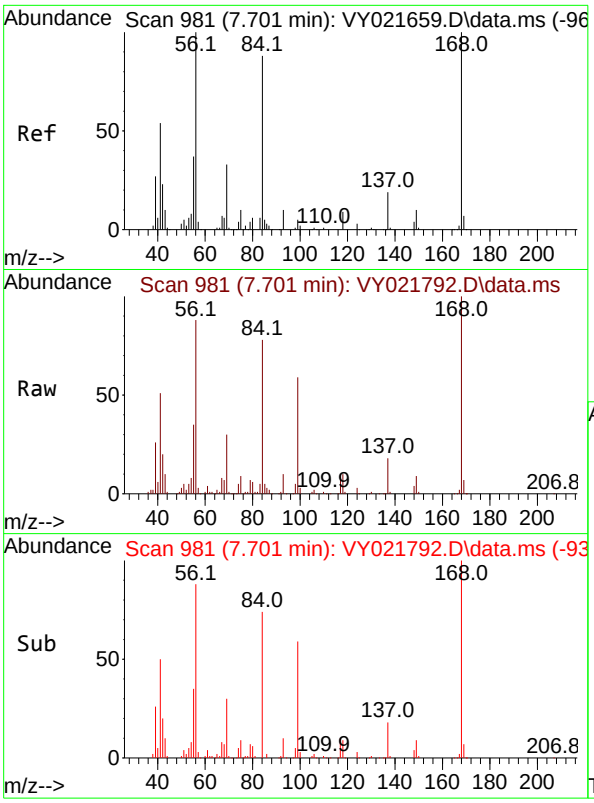


#30
Chloroform
Concen: 51.519 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 83 Resp: 195921

Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.6	75.8

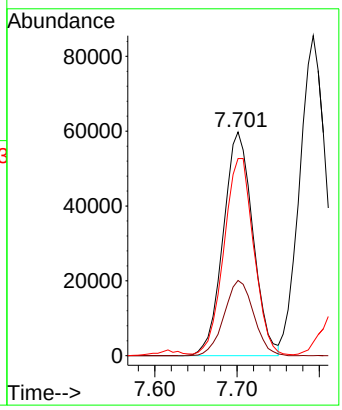




#31
Cyclohexane
Concen: 45.062 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 56 Resp: 15018

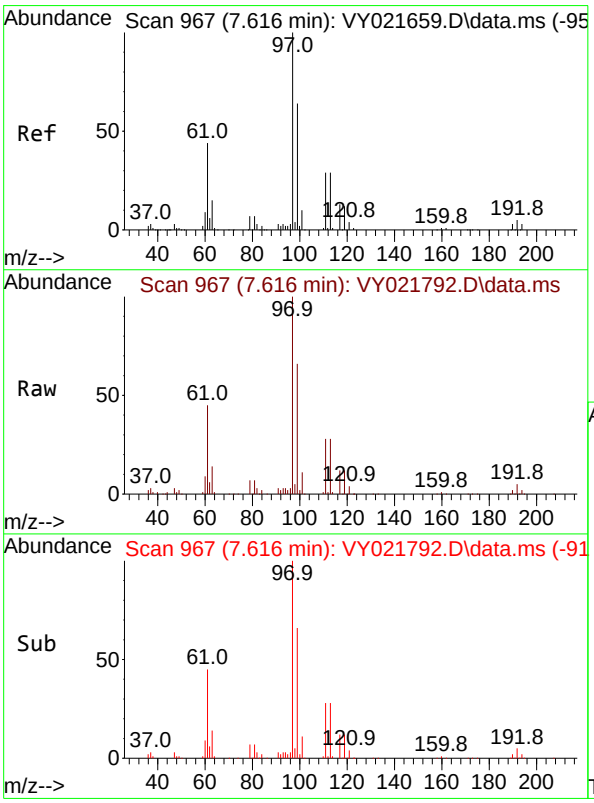
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.6	40.0
84	86.4	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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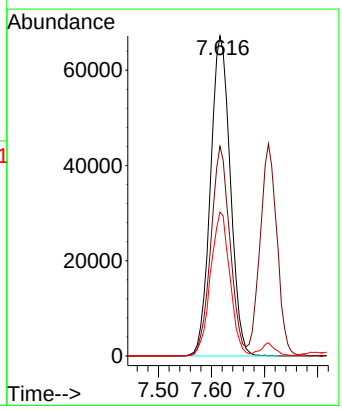
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

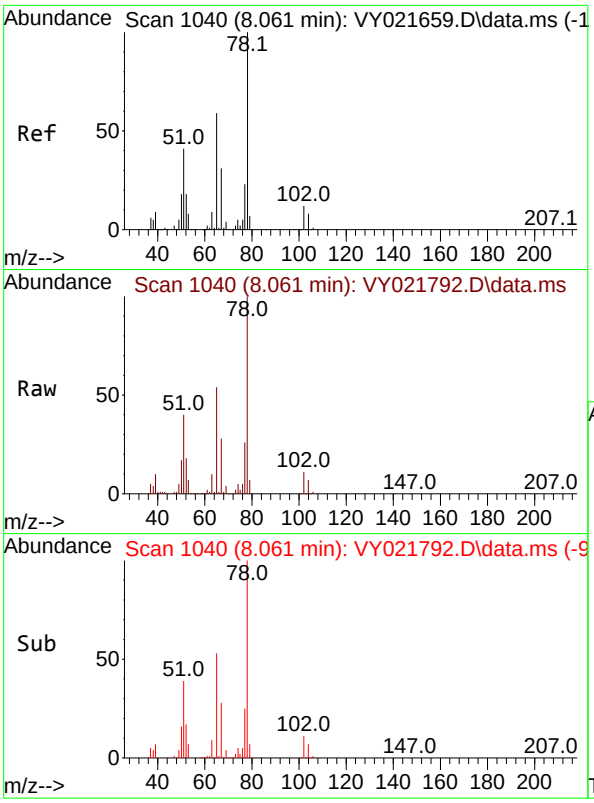


#32
1,1,1-Trichloroethane
Concen: 50.714 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 97 Resp: 174309

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.7	76.1
61	44.1	35.2	52.8

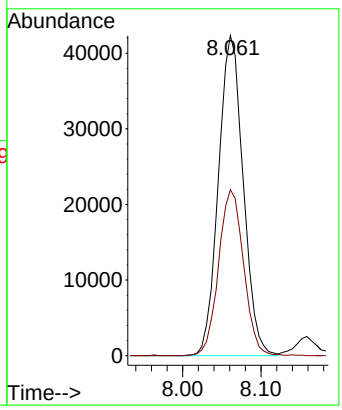




#33
1,2-Dichloroethane-d4
Concen: 49.291 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 65 Resp: 9308

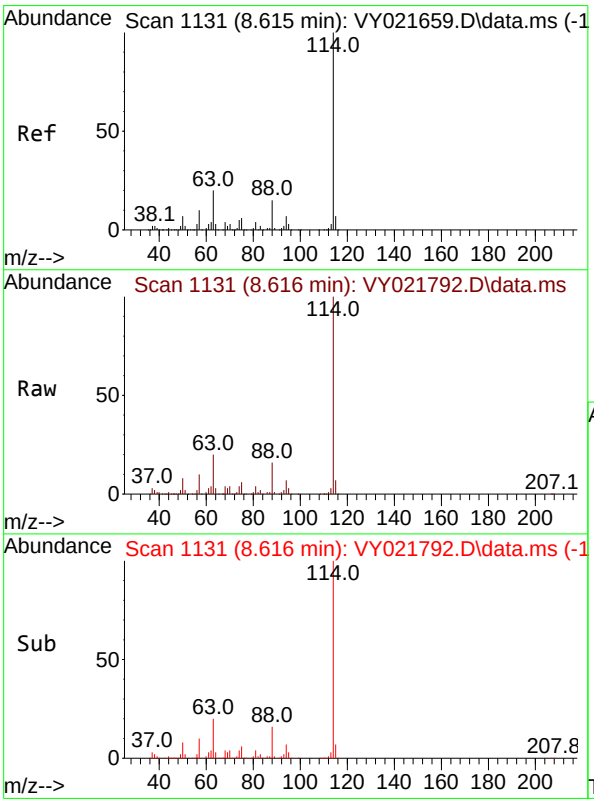
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

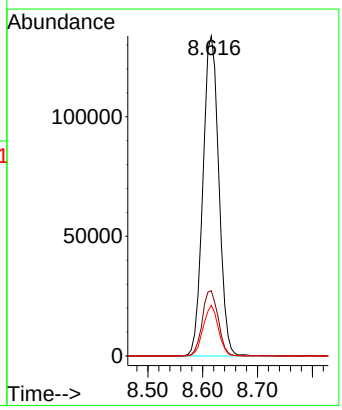
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

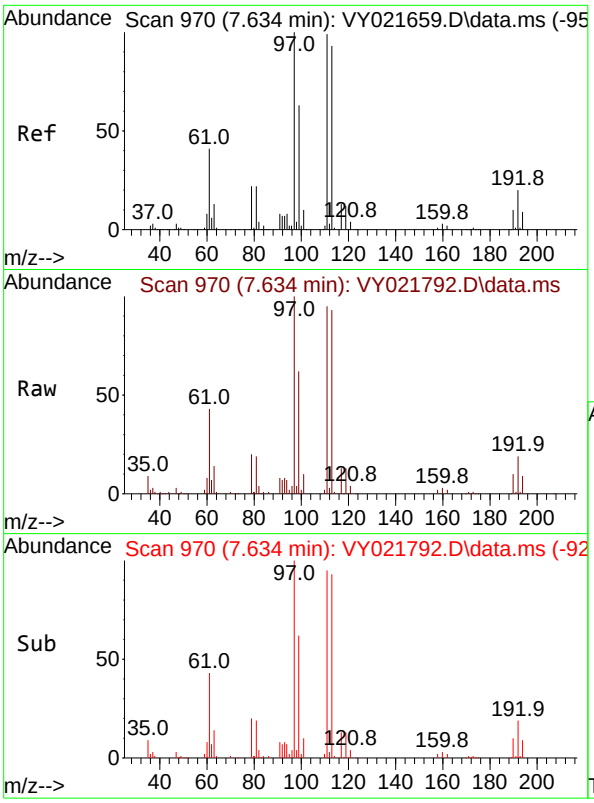


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:114 Resp: 268405

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	15.8	0.0	29.8

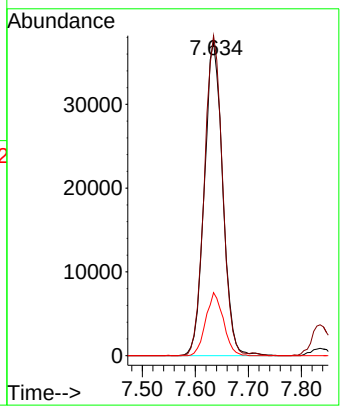




#35
Dibromofluoromethane
Concen: 51.567 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:113 Resp: 8978

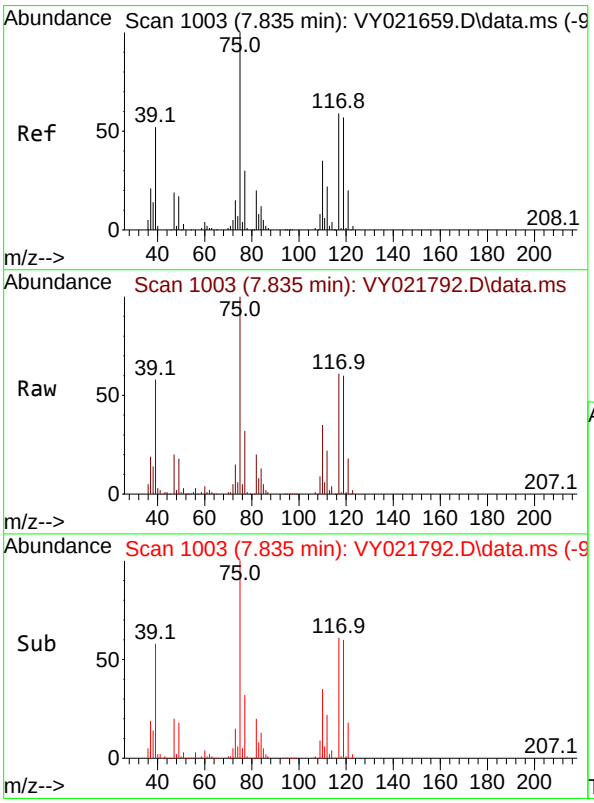
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.6	123.8
192	19.4	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

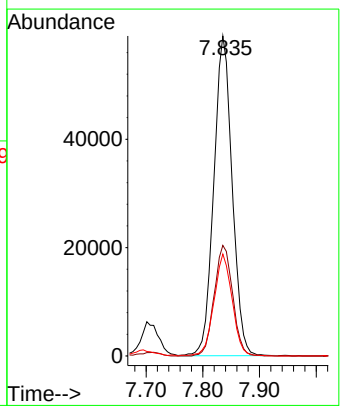
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

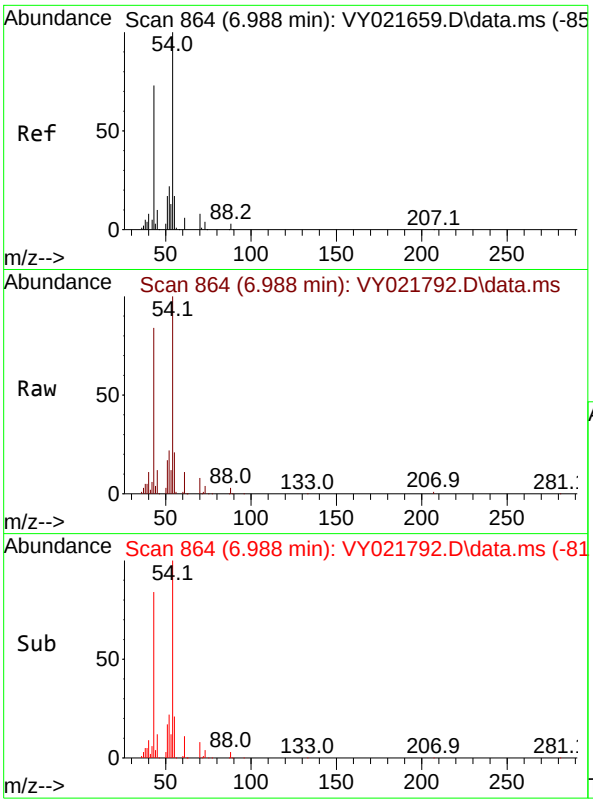


#36
1,1-Dichloropropene
Concen: 50.035 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 132692

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.0	50.9
77	31.6	24.8	37.2





#37
Ethyl Acetate
Concen: 51.733 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

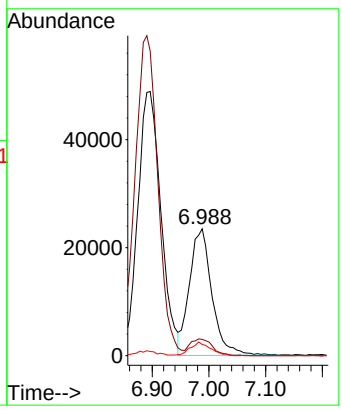
Tgt Ion: 43 Resp: 6474

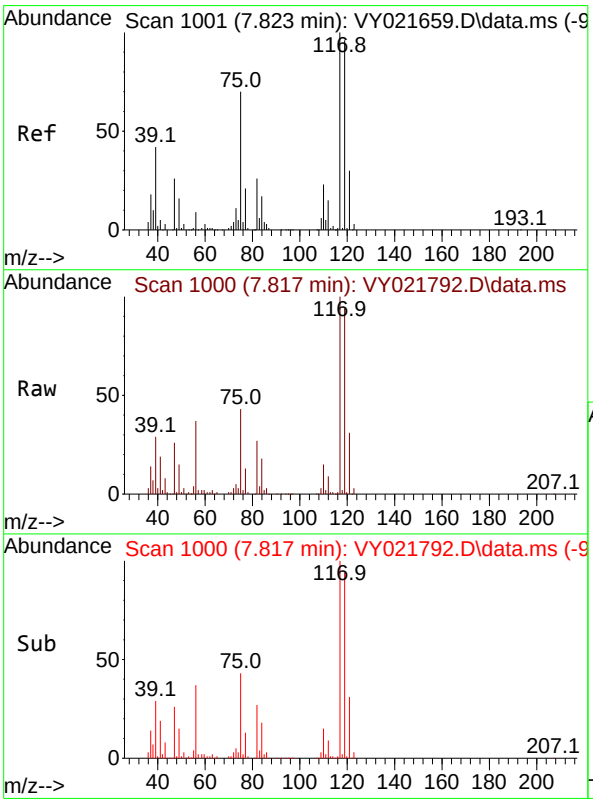
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.6
70	9.8	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

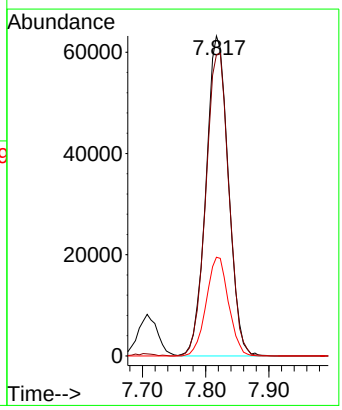


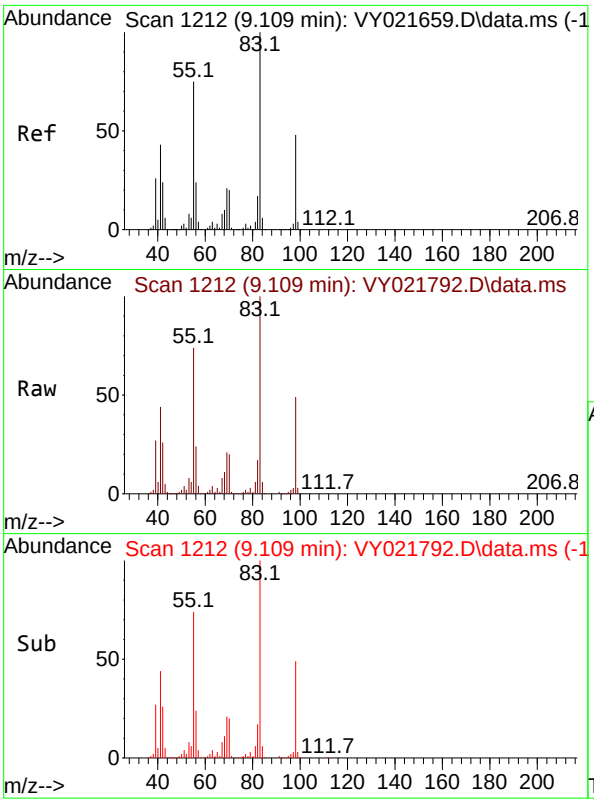


#38
Carbon Tetrachloride
Concen: 51.249 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:117 Resp: 155663

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.4
121	30.8	24.2	36.4





#39
Methylcyclohexane
Concen: 50.922 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

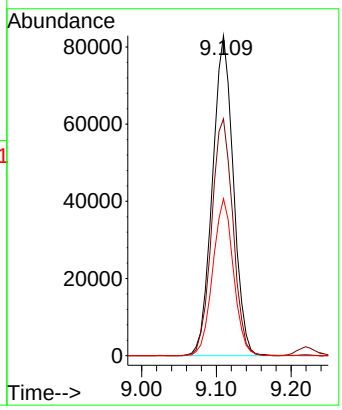
Tgt Ion: 83 Resp: 16132

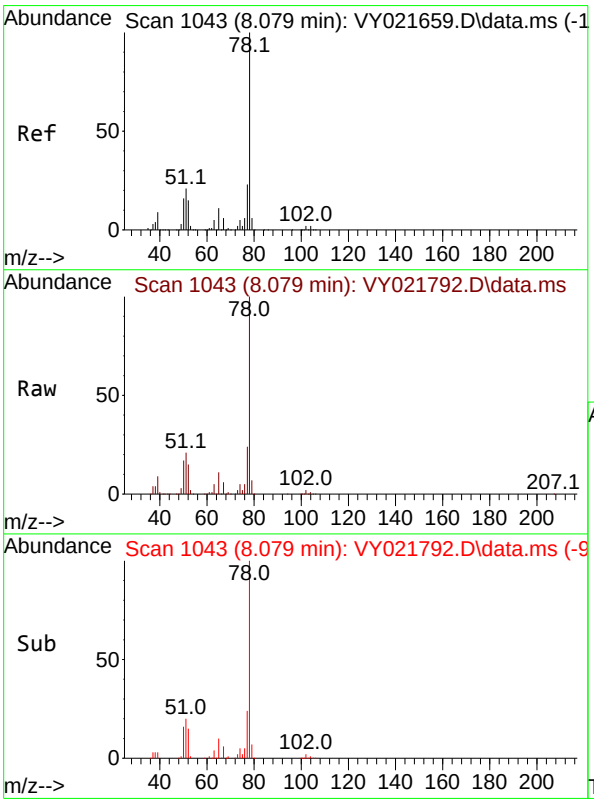
Ion	Ratio	Lower	Upper
83	100		
55	74.0	59.7	89.5
98	49.1	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

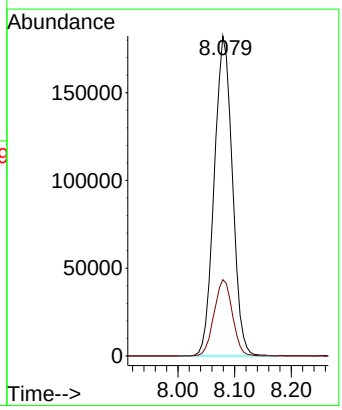


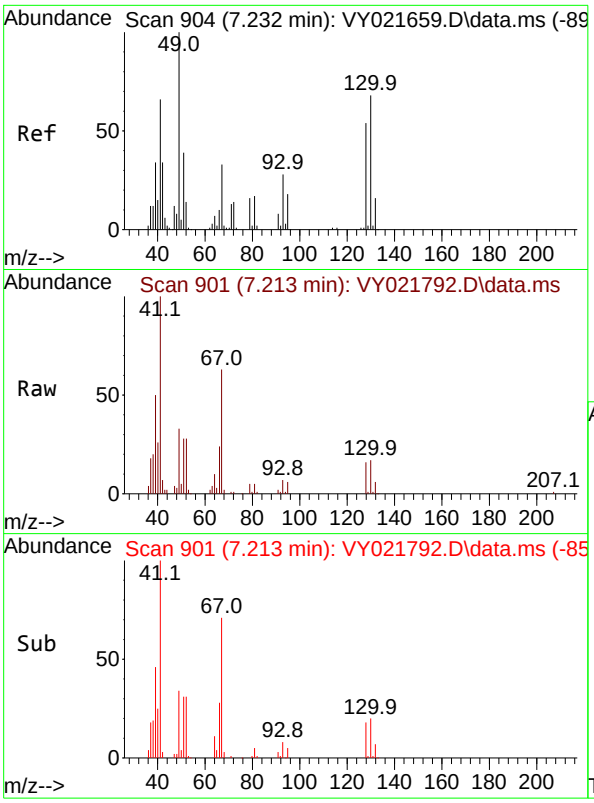


#40
Benzene
Concen: 51.051 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 78 Resp: 405446

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

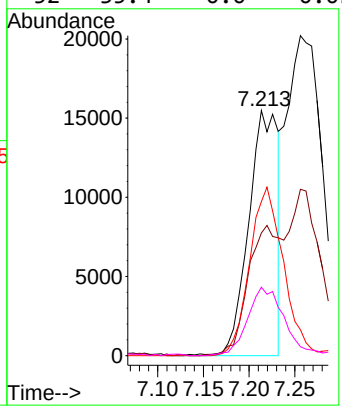




#41
Methacrylonitrile
Concen: 52.095 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 41 Resp: 3462

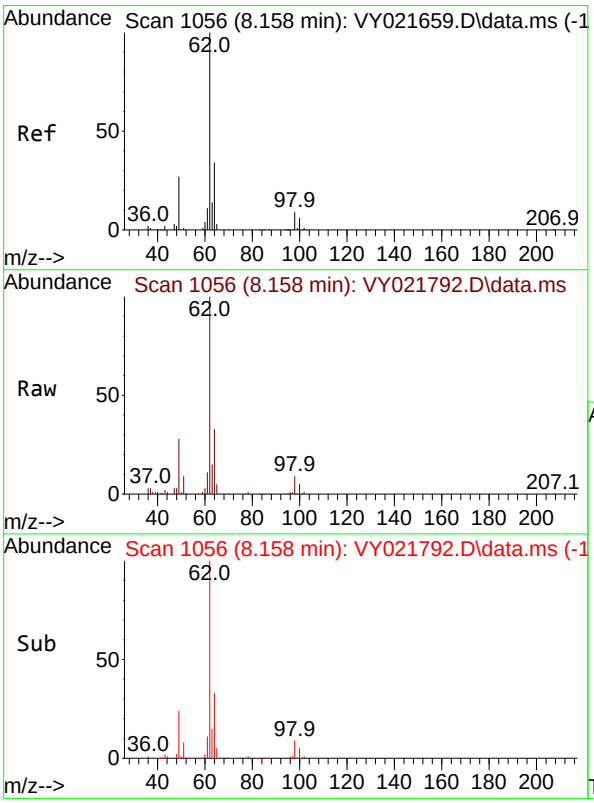
Ion	Ratio	Lower	Upper
41	100		
39	61.9	0.0	0.0#
67	79.8	0.0	0.0#
52	35.4	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

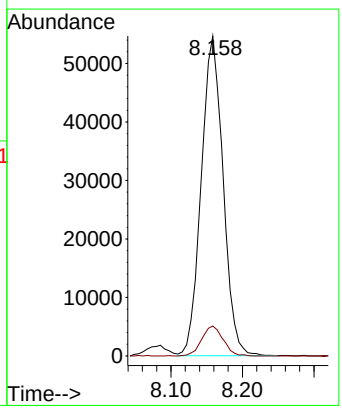
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

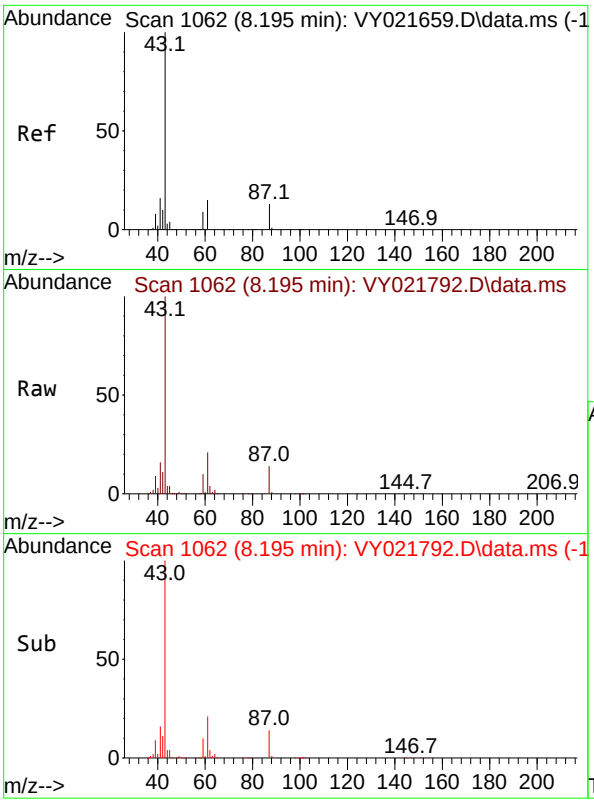


#42
1,2-Dichloroethane
Concen: 51.801 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 62 Resp: 115981

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

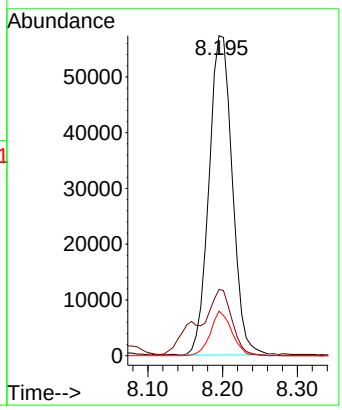




#43
Isopropyl Acetate
Concen: 52.369 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 12420

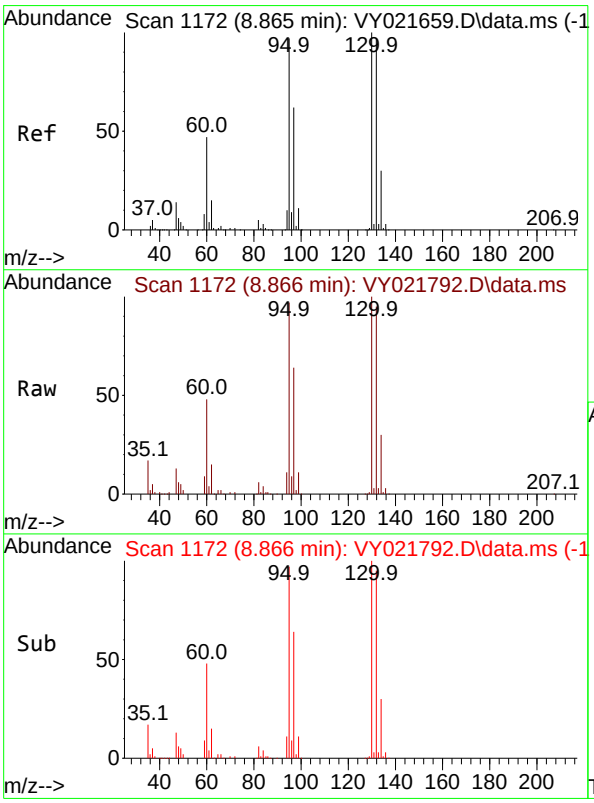
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.9	23.9
87	12.9	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

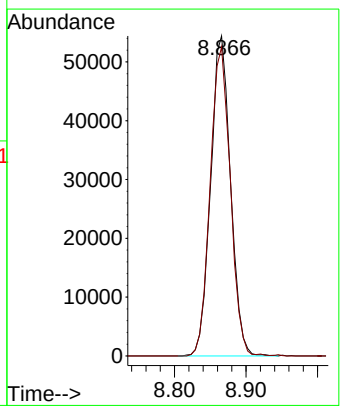
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

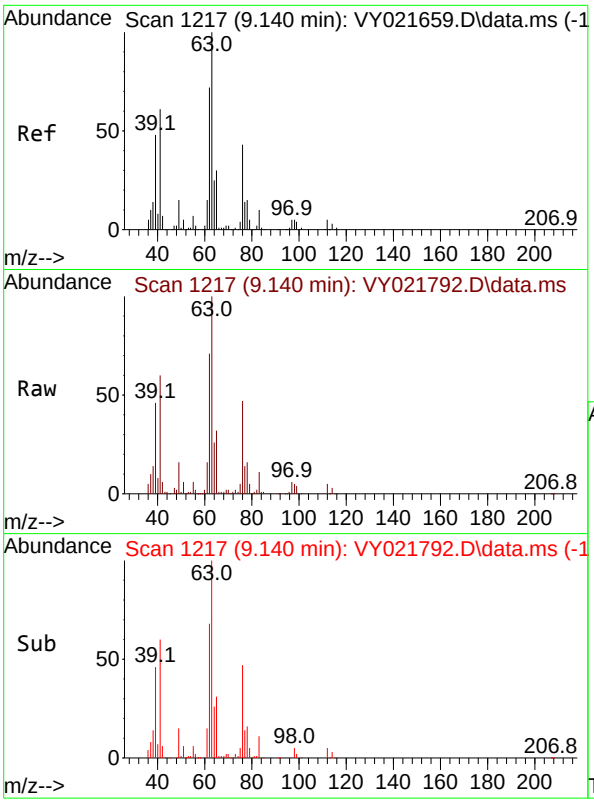


#44
Trichloroethene
Concen: 51.907 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:130 Resp: 105036

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	194.8

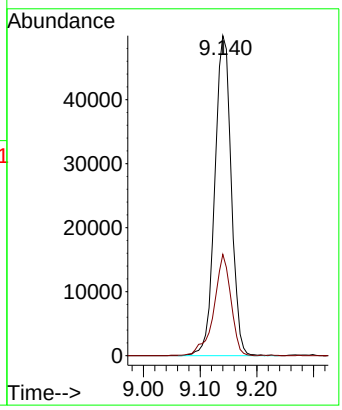




#45
1,2-Dichloropropane
Concen: 53.457 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 63 Resp: 10049

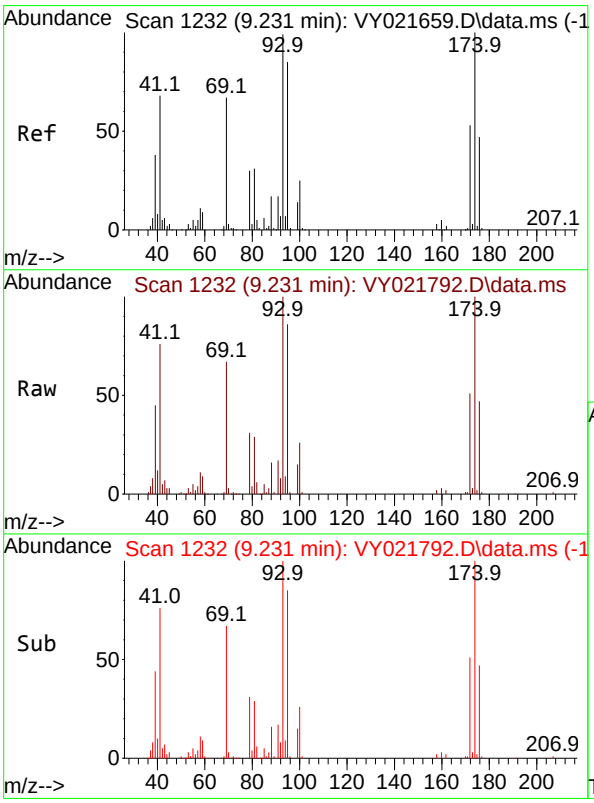
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

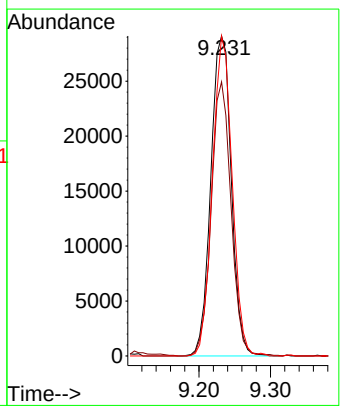
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

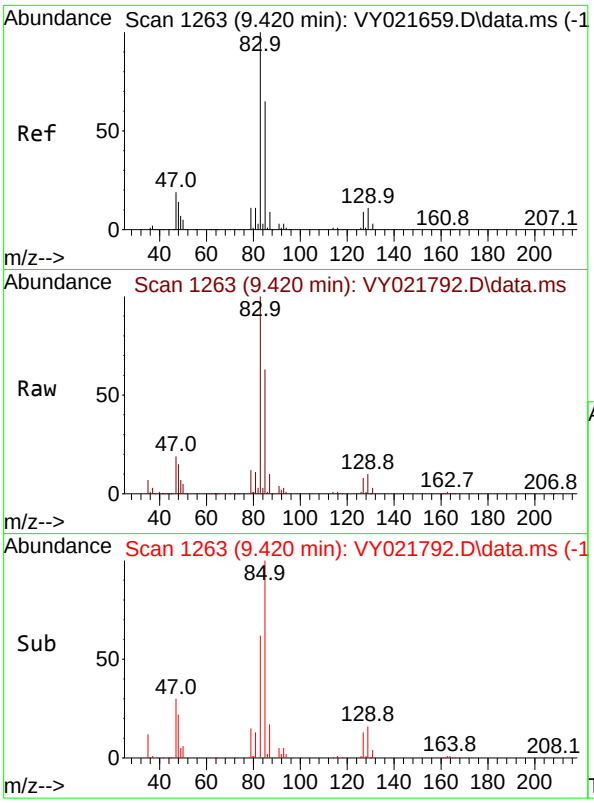


#46
Dibromomethane
Concen: 53.422 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 93 Resp: 57879

Ion	Ratio	Lower	Upper
93	100		
95	82.8	68.1	102.1
174	96.4	80.9	121.3

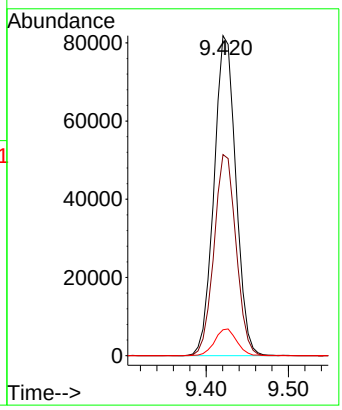




#47
Bromodichloromethane
Concen: 53.857 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 83 Resp: 15119

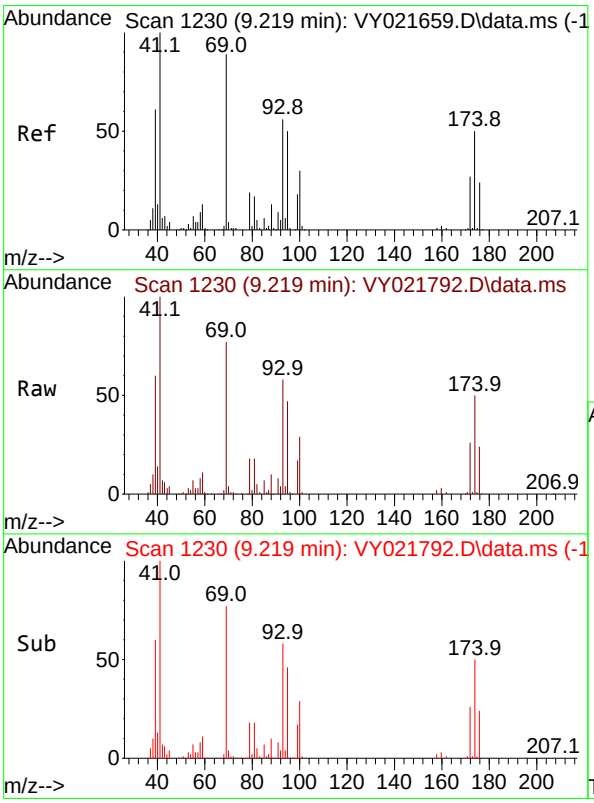
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.1	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

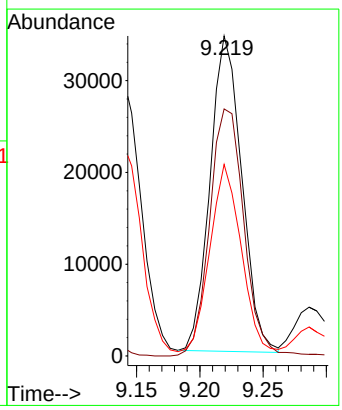
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

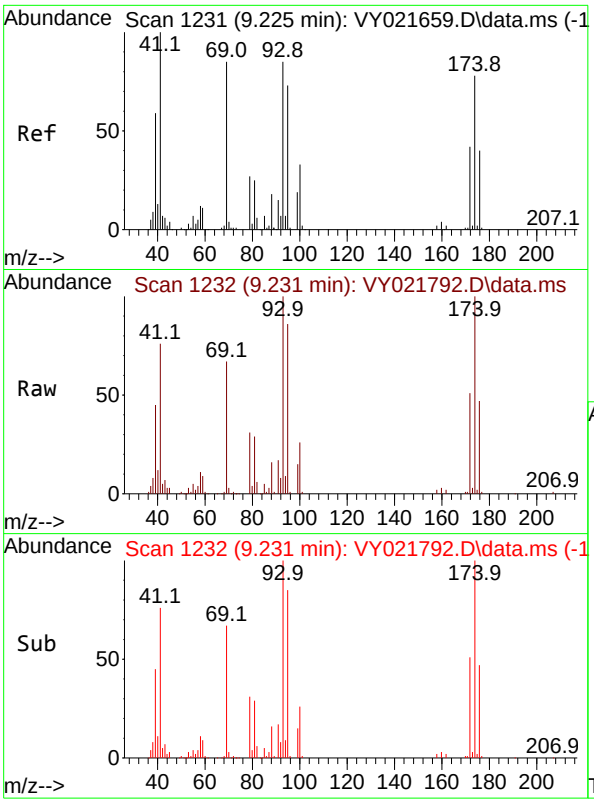


#48
Methyl methacrylate
Concen: 54.919 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 41 Resp: 59783

Ion	Ratio	Lower	Upper
41	100		
69	85.1	69.8	104.8
39	58.8	47.2	70.8





#49
1,4-Dioxane
Concen: 1042.700 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

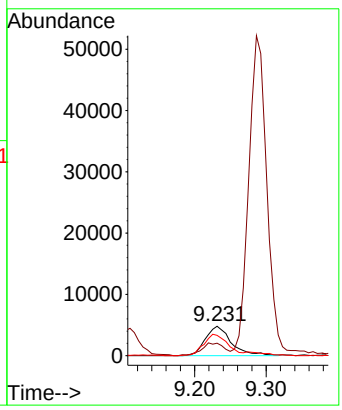
Tgt Ion: 88 Resp: 1210

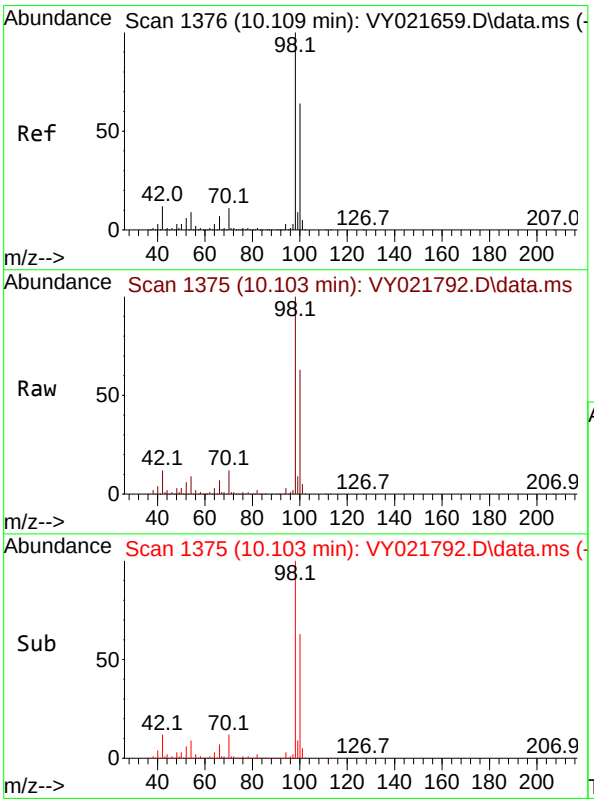
Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.8	43.2
58	67.0	59.4	89.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

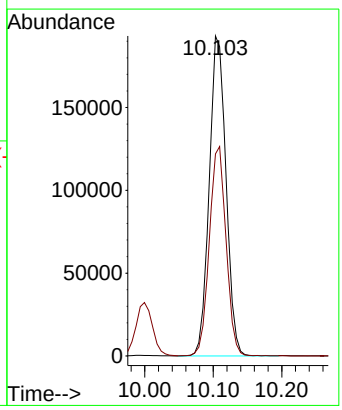


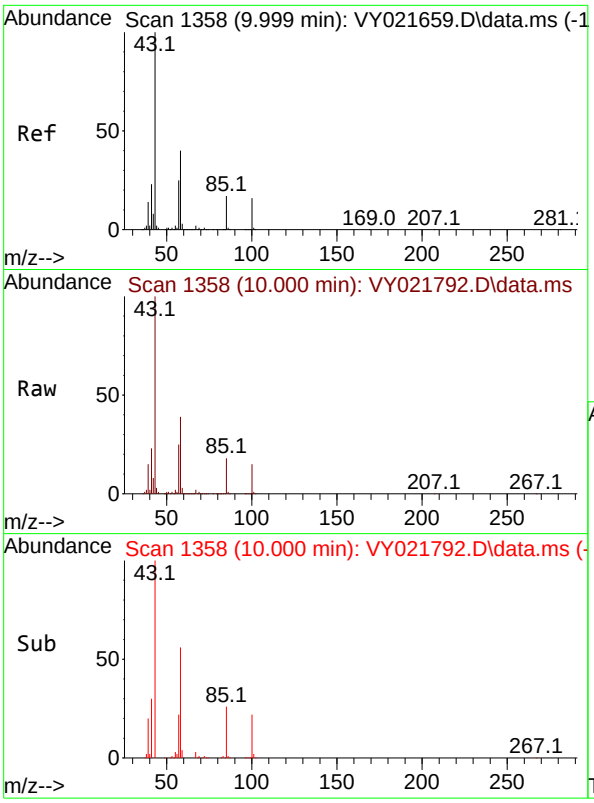


#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 98 Resp: 328405

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

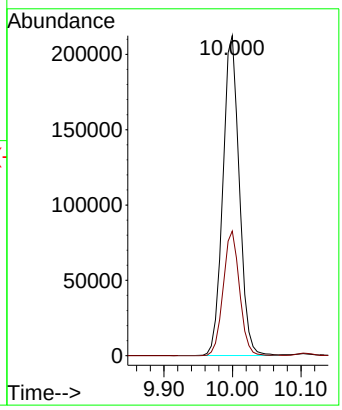




#51
4-Methyl-2-Pentanone
Concen: 285.663 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 35259

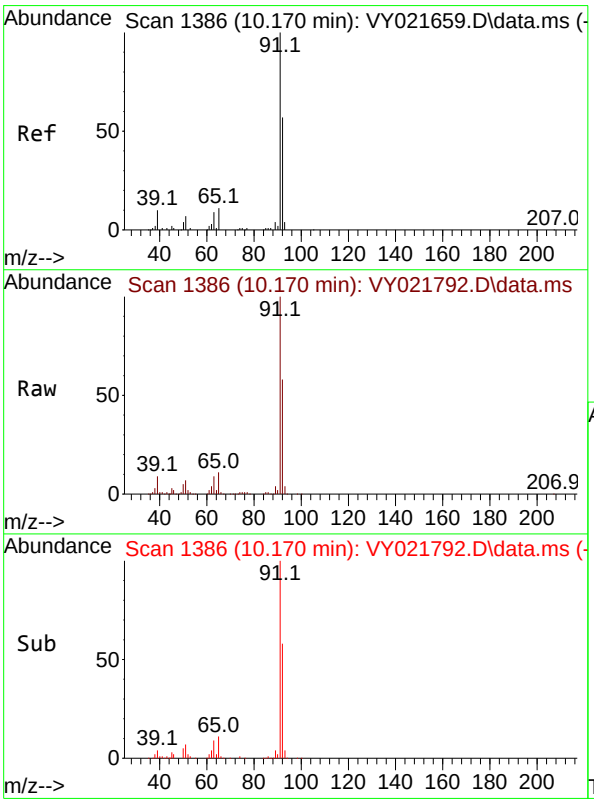
Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

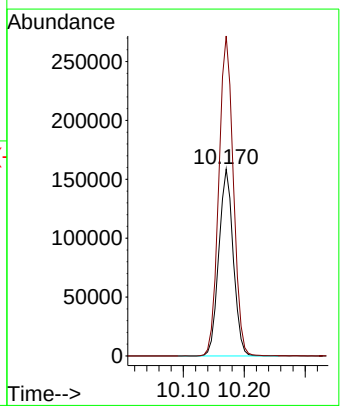
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

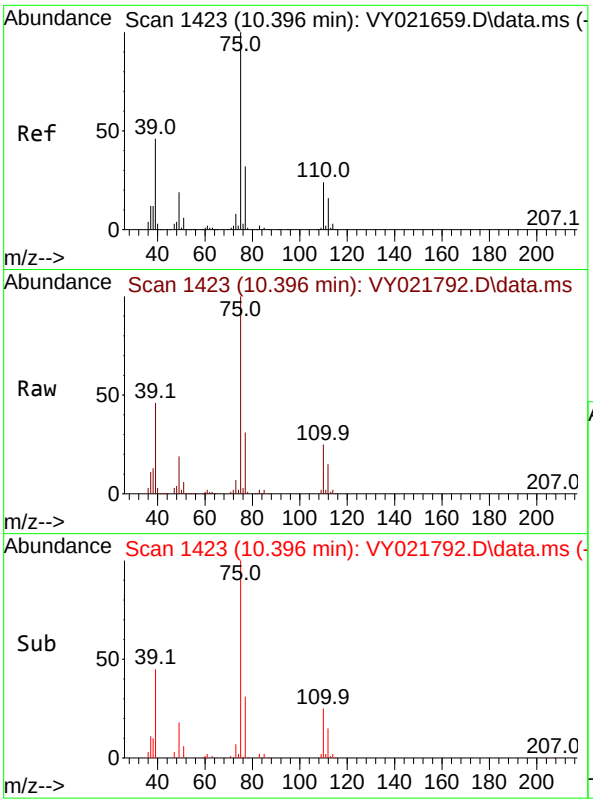


#52
Toluene
Concen: 52.527 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 92 Resp: 260277

Ion	Ratio	Lower	Upper
92	100		
91	173.0	138.6	207.8

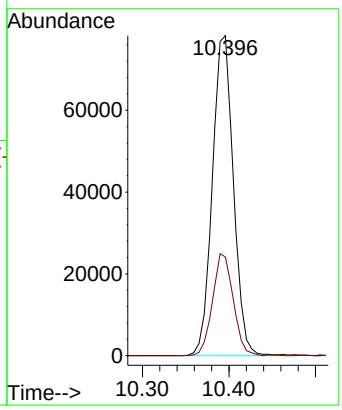




#53
t-1,3-Dichloropropene
Concen: 52.910 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 13193

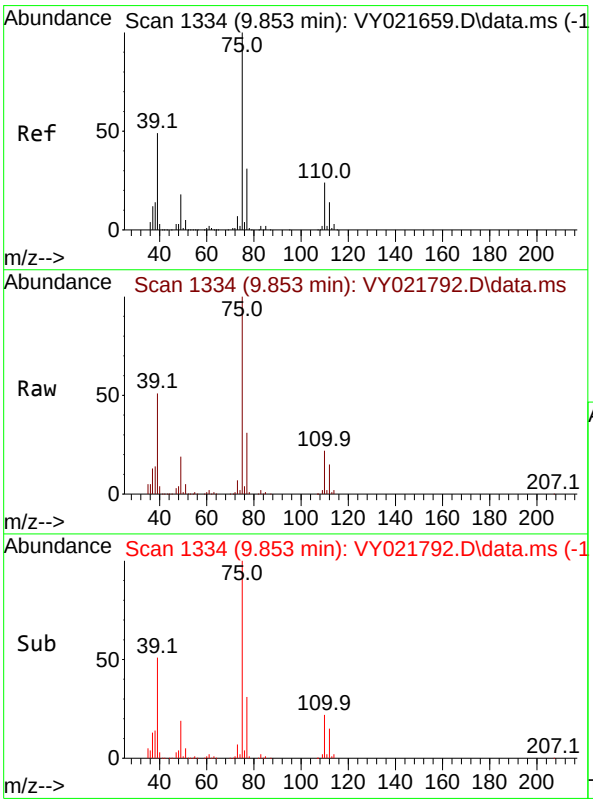
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

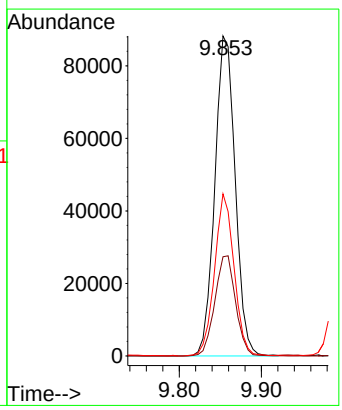
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

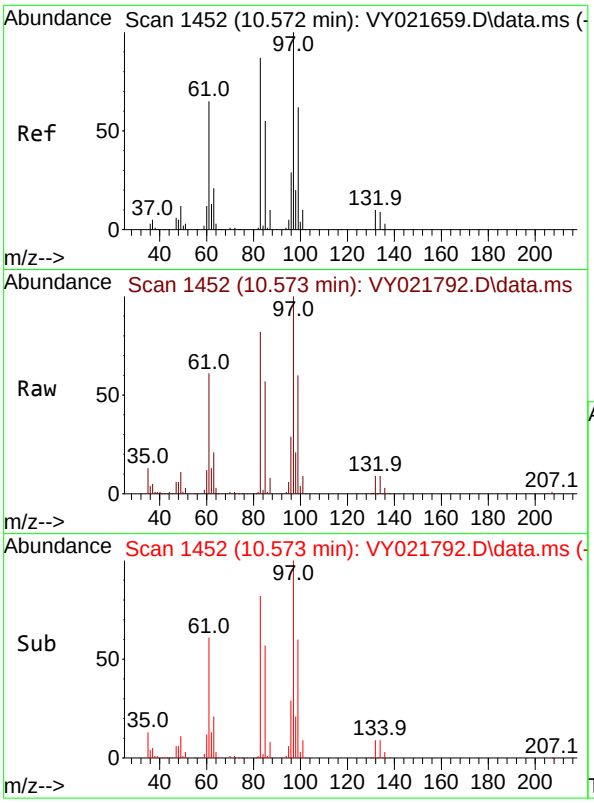


#54
cis-1,3-Dichloropropene
Concen: 51.714 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 152131

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3
39	50.7	39.2	58.8

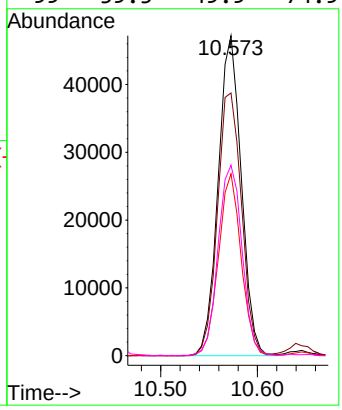




#55
1,1,2-Trichloroethane
Concen: 56.175 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 97 Resp: 7832

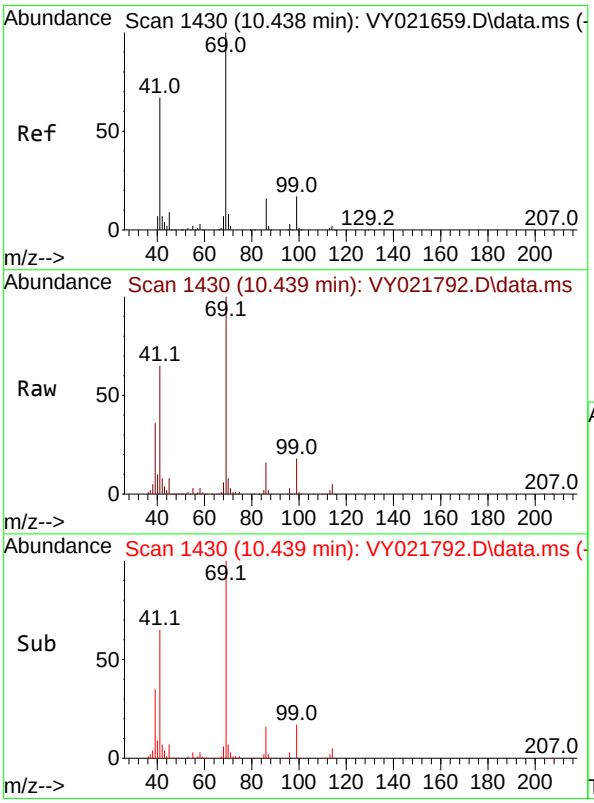
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.5	104.3
85	56.9	43.9	65.9
99	59.5	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

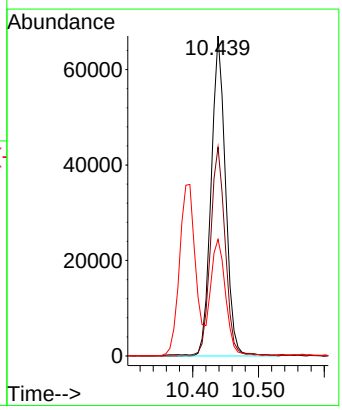
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

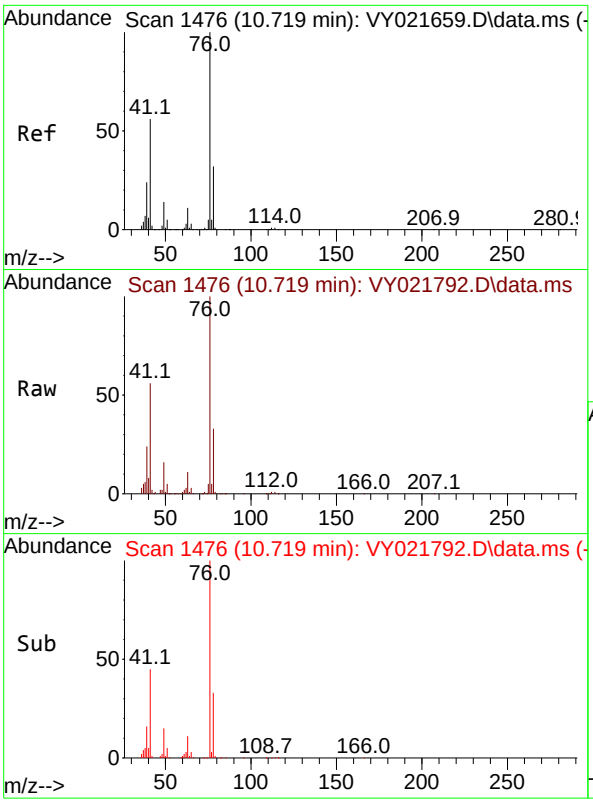


#56
Ethyl methacrylate
Concen: 57.212 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 69 Resp: 101856

Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.8	80.6
39	36.4	29.6	44.4





#57
1,3-Dichloropropane
Concen: 54.092 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

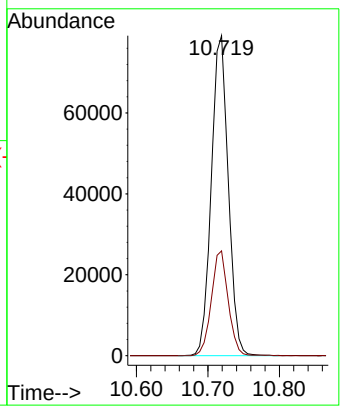
Tgt Ion: 76 Resp: 13025

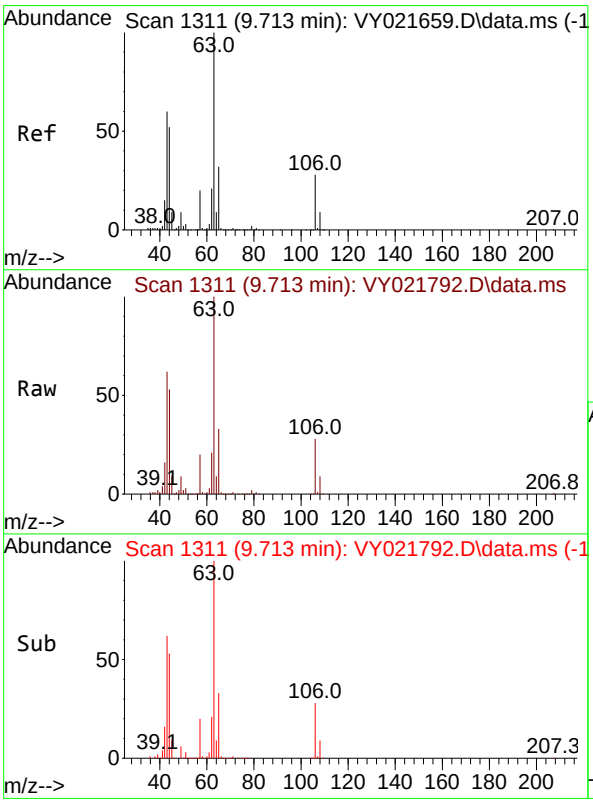
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

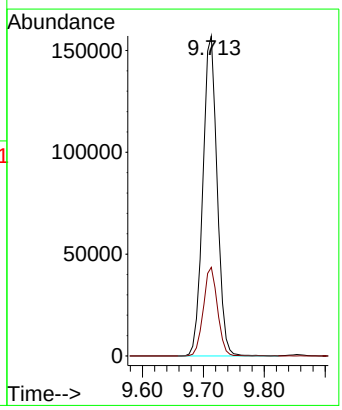


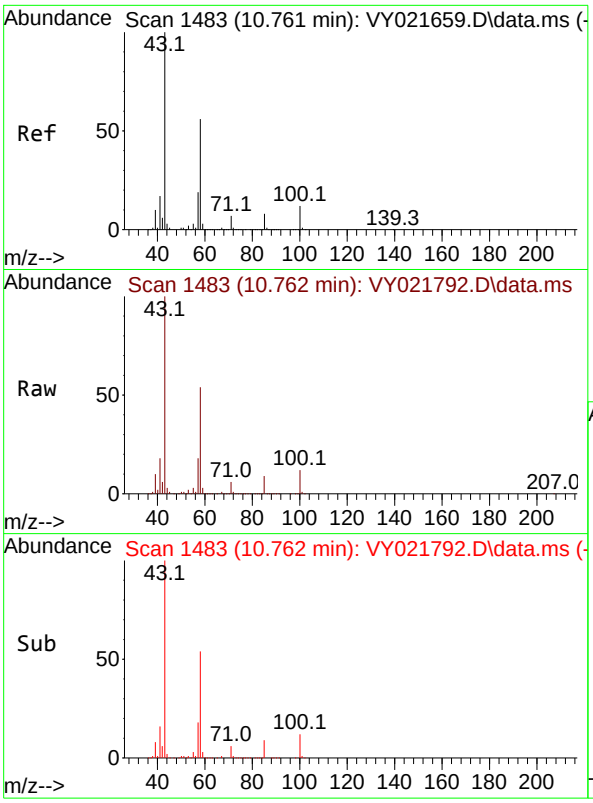


#58
2-Chloroethyl Vinyl ether
Concen: 294.907 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 63 Resp: 256125

Ion	Ratio	Lower	Upper
63	100		
106	27.3	22.4	33.6

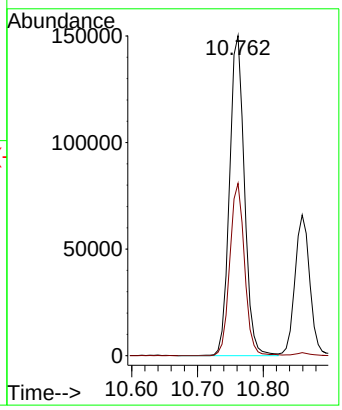




#59
2-Hexanone
Concen: 288.335 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 23701

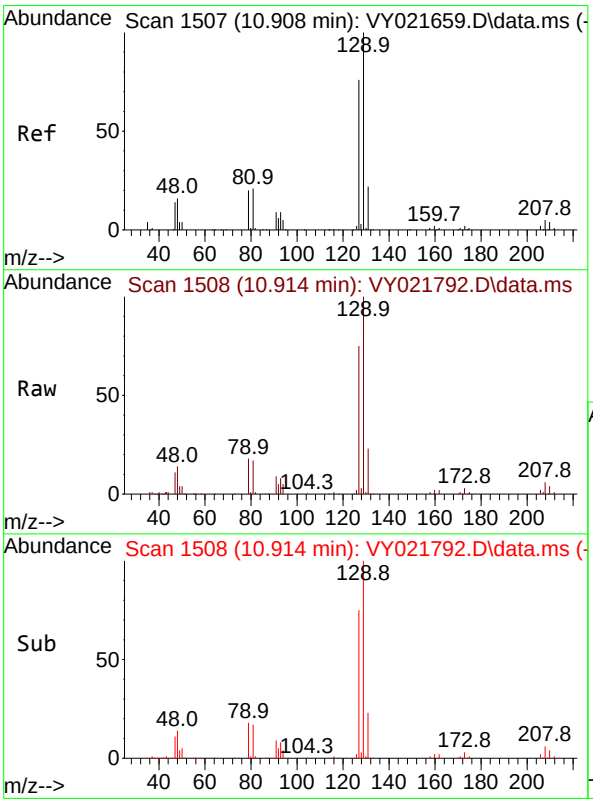
Ion	Ratio	Lower	Upper
43	100		
58	53.2	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

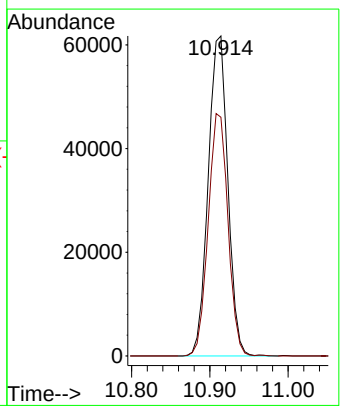
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

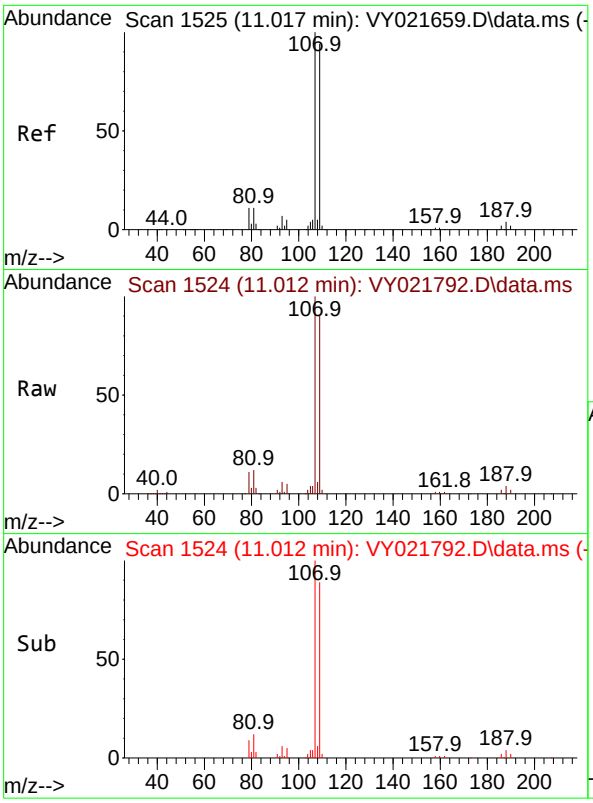


#60
Dibromochloromethane
Concen: 56.412 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:129 Resp: 107386

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7





#61
1,2-Dibromoethane
Concen: 54.475 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

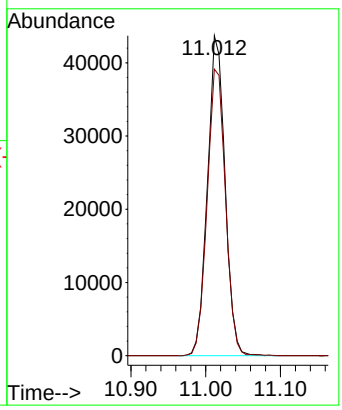
Tgt Ion:107 Resp: 7124

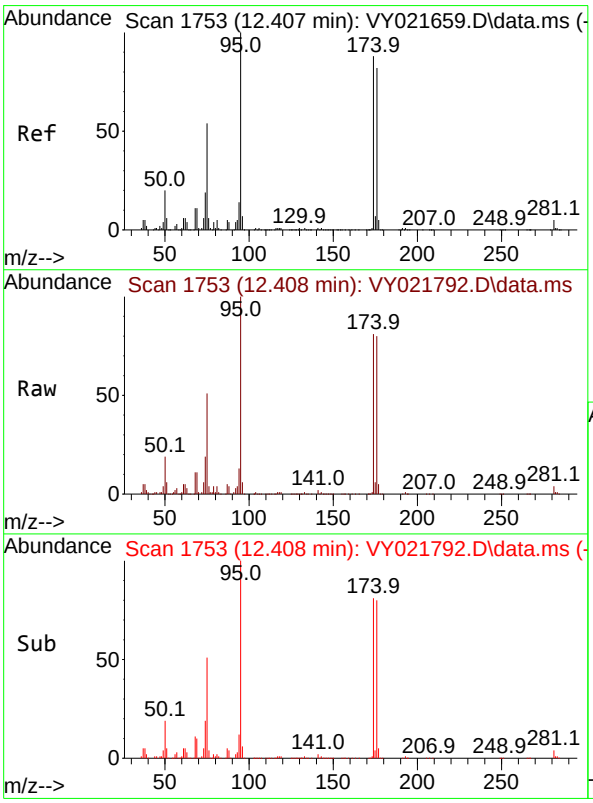
Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

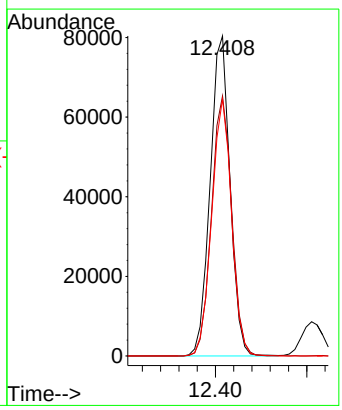


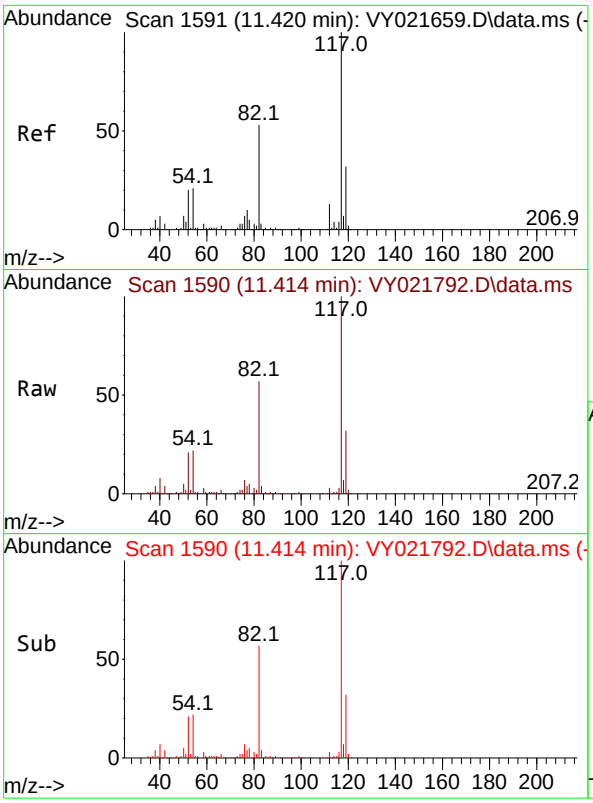


#62
4-Bromofluorobenzene
Concen: 54.025 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 95 Resp: 121039

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	170.8
176	80.3	0.0	162.0

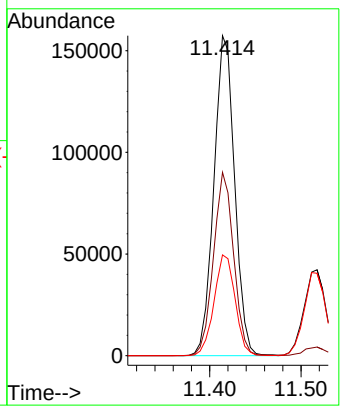




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:117 Resp: 24817

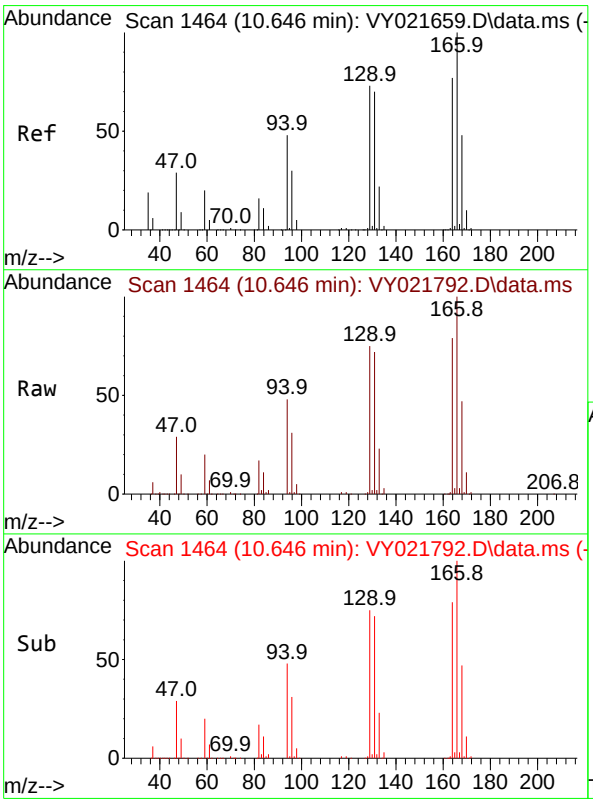
Ion	Ratio	Lower	Upper
117	100		
82	57.3	42.8	64.2
119	31.5	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

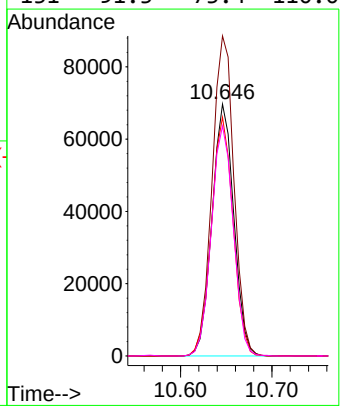
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

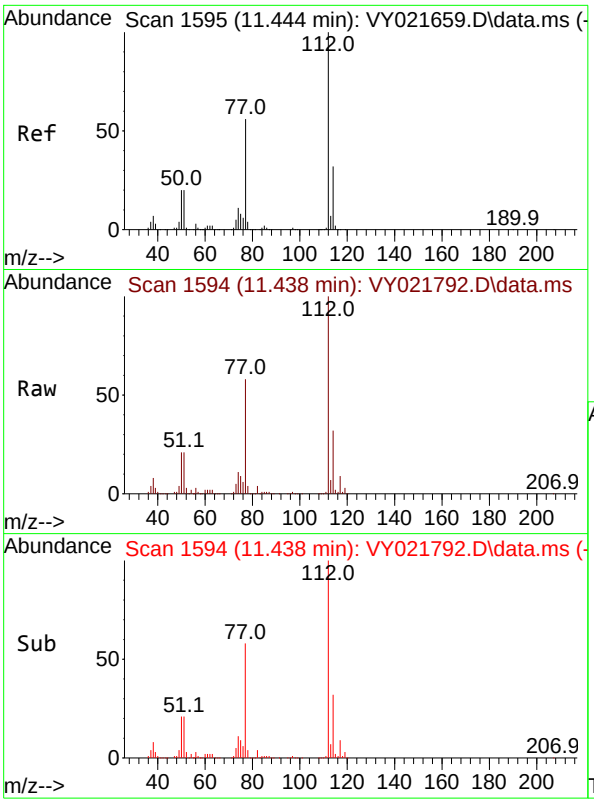


#64
Tetrachloroethene
Concen: 51.070 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:164 Resp: 115433

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.6	156.8
129	94.8	76.6	114.8
131	91.3	73.4	110.0

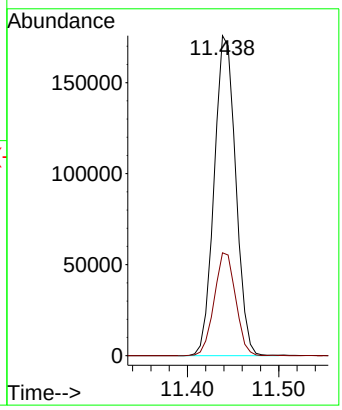




#65
Chlorobenzene
Concen: 50.644 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:112 Resp: 28810

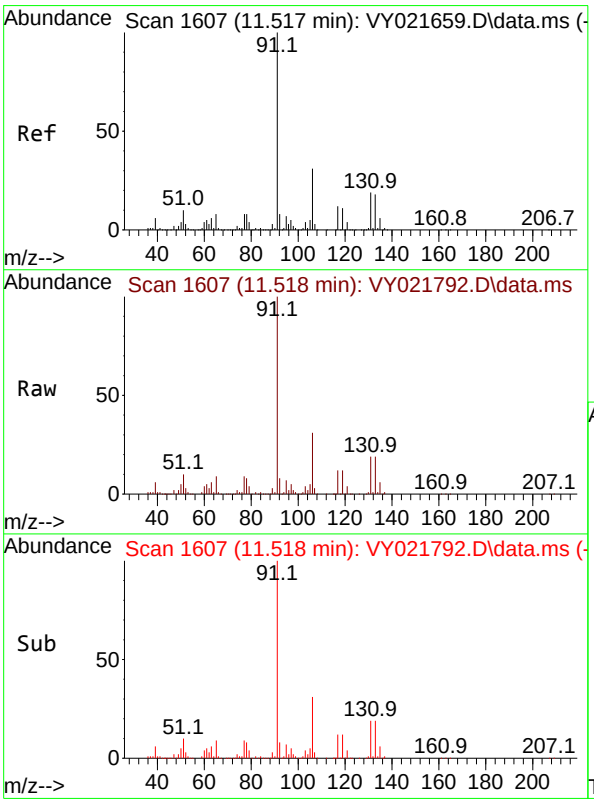
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

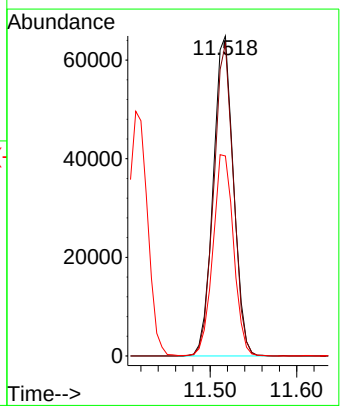
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

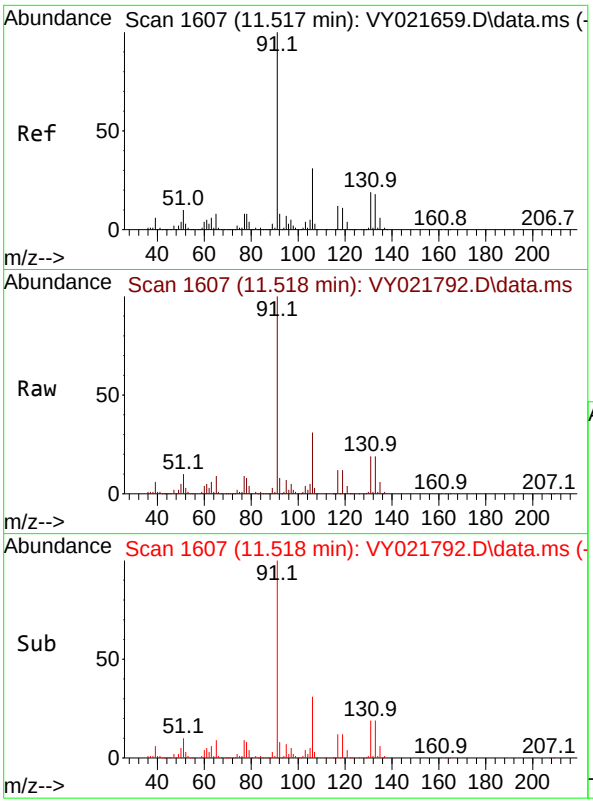


#66
1,1,1,2-Tetrachloroethane
Concen: 52.241 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:131 Resp: 105444

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.8
119	64.1	31.6	95.0

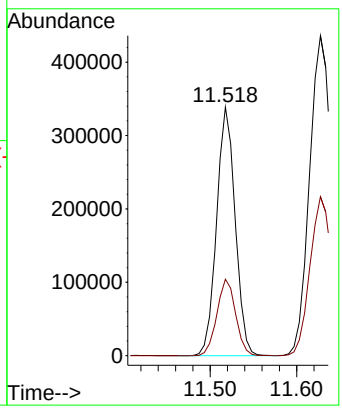




#67
Ethyl Benzene
Concen: 51.739 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 50472

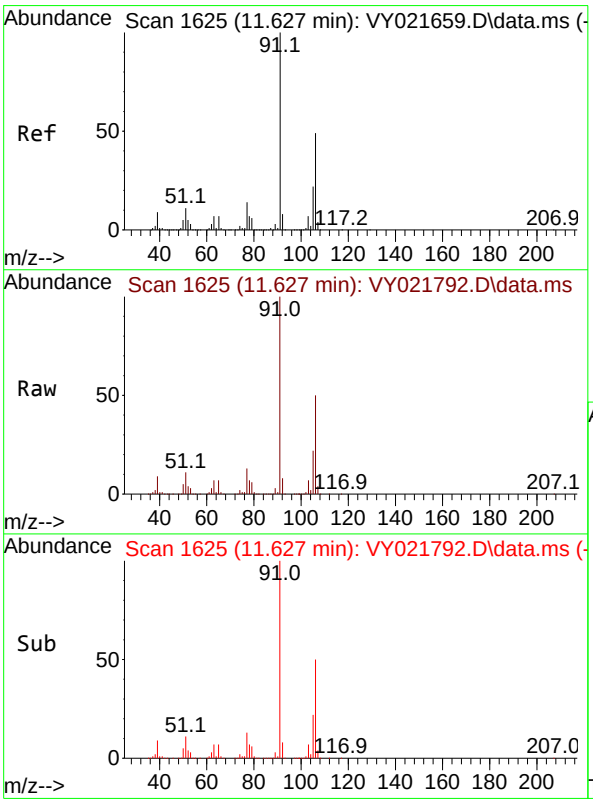
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

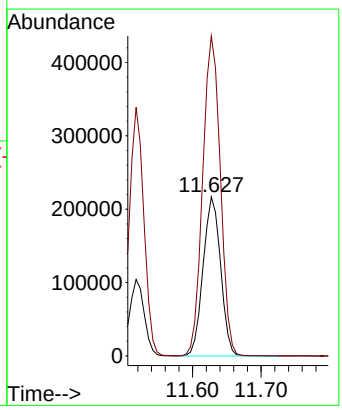
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

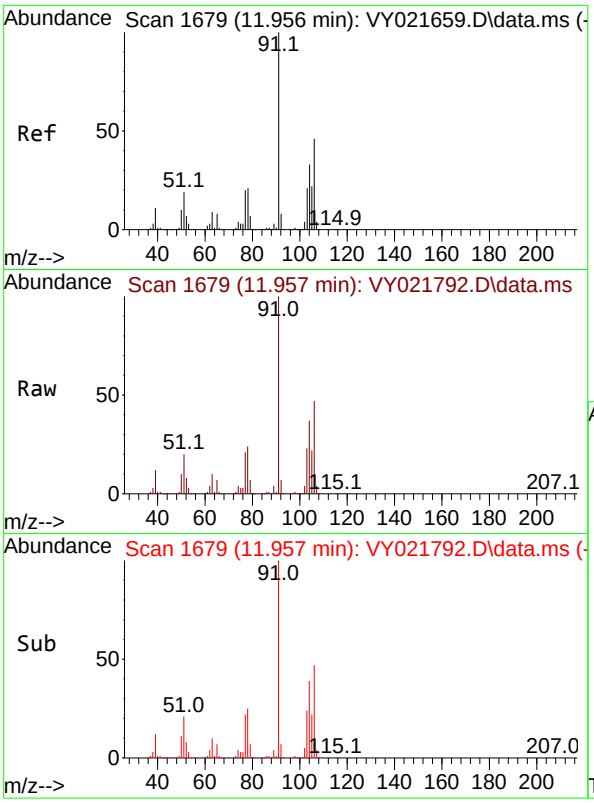


#68
m/p-Xylenes
Concen: 103.189 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:106 Resp: 385465

Ion	Ratio	Lower	Upper
106	100		
91	202.9	162.4	243.6

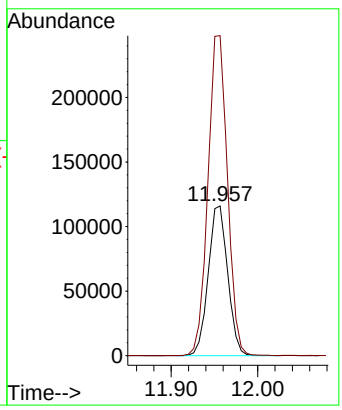




#69
o-Xylene
Concen: 52.528 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:106 Resp: 18112

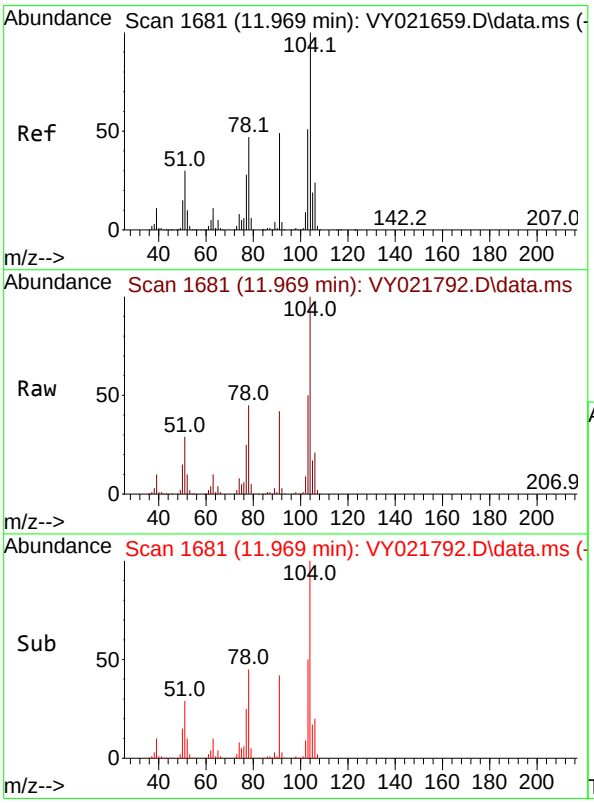
Ion	Ratio	Lower	Upper
106	100		
91	214.3	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

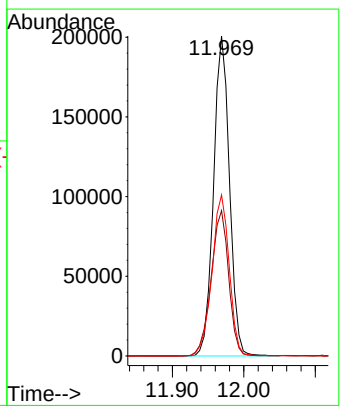
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

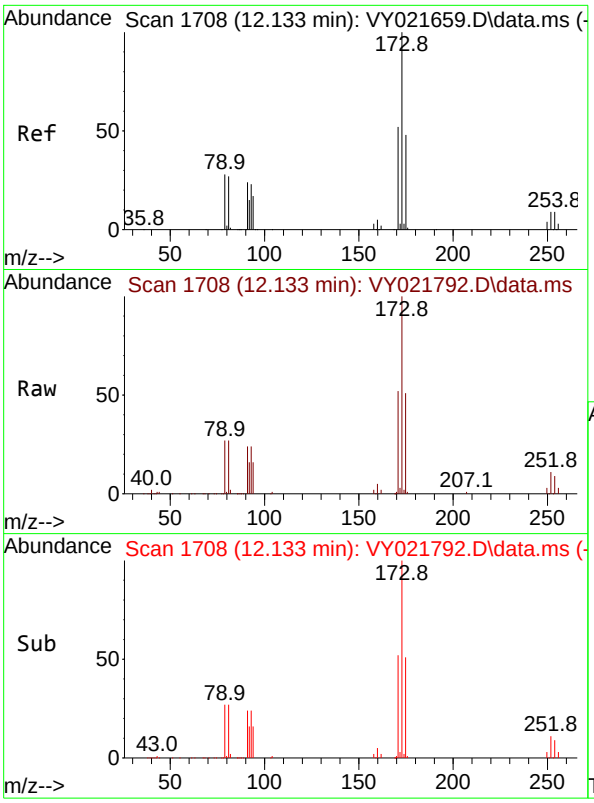


#70
Styrene
Concen: 54.028 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:104 Resp: 310624

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.8	61.2
103	54.5	44.2	66.2

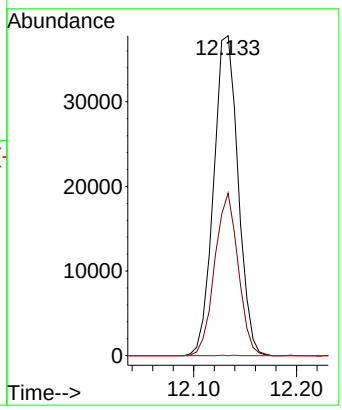




#71
Bromoform
Concen: 54.280 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:173 Resp: 6249

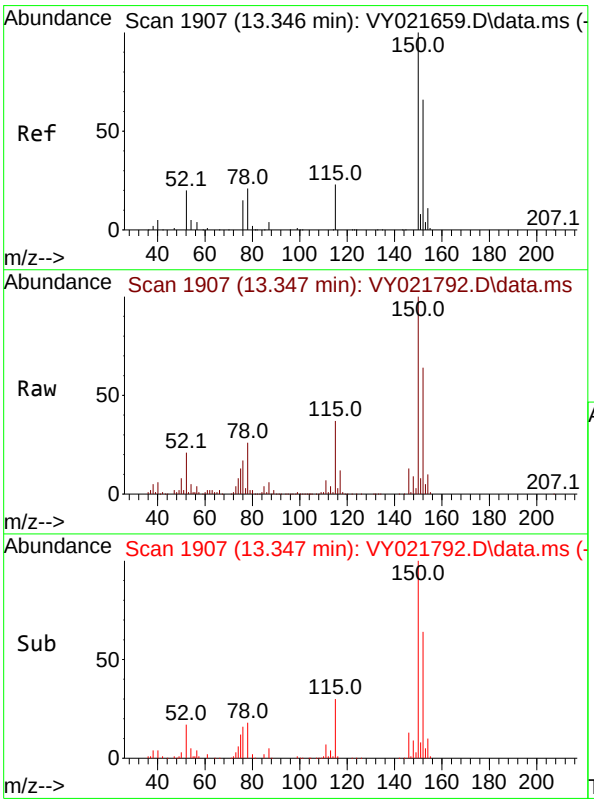
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

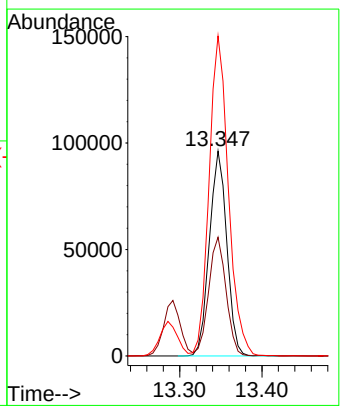
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

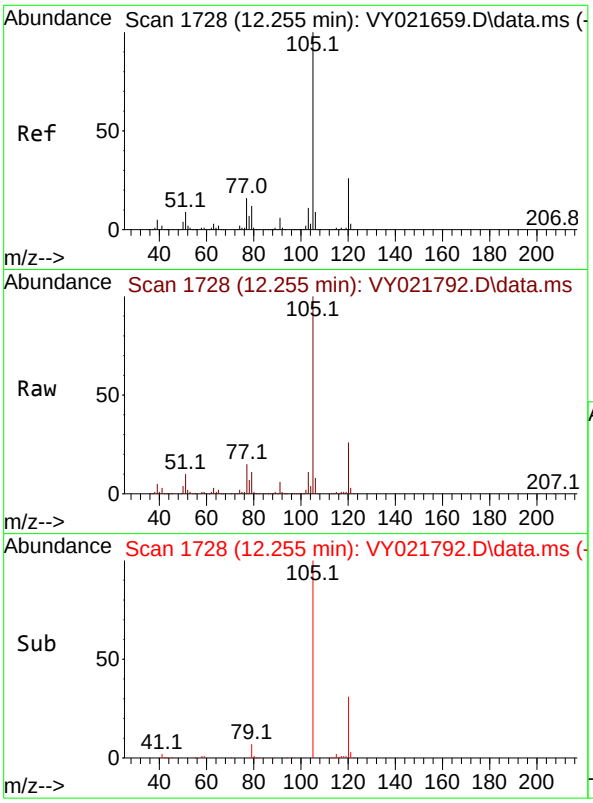


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:152 Resp: 141740

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	173.1	0.0	348.4

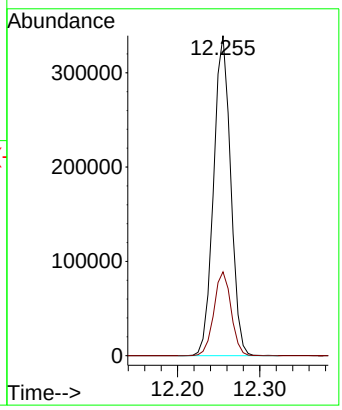




#73
Isopropylbenzene
Concen: 46.563 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:105 Resp: 490199

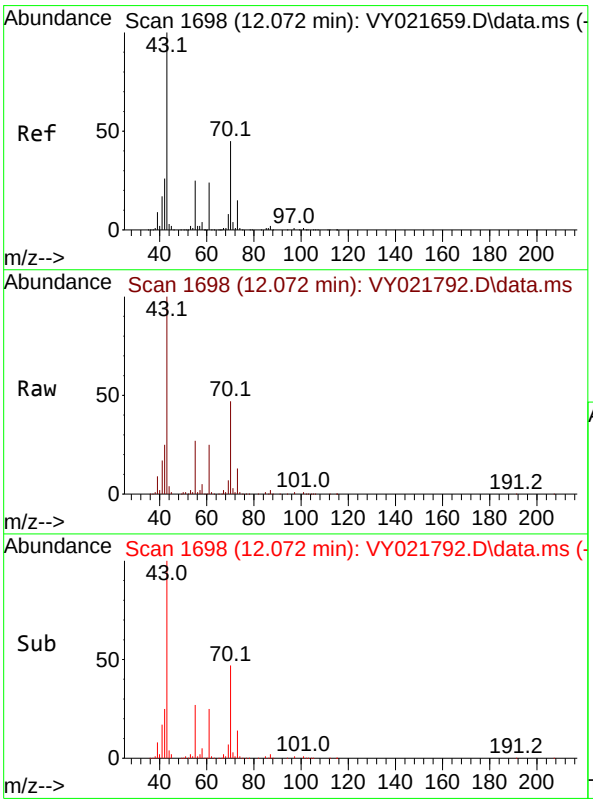
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

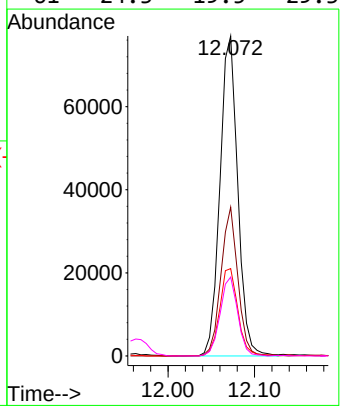
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

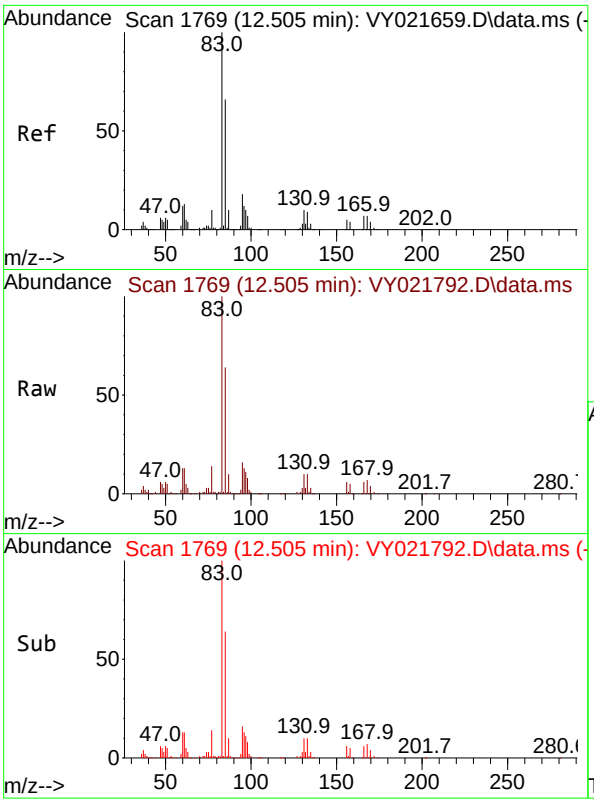


#74
N-amyl acetate
Concen: 44.542 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 110051

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.7	52.1
55	28.0	21.2	31.8
61	24.3	19.5	29.3

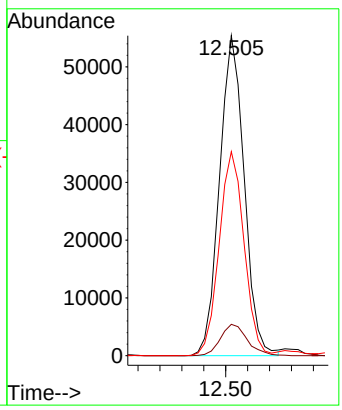




#75
1,1,2,2-Tetrachloroethane
Concen: 45.870 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 83 Resp: 8682

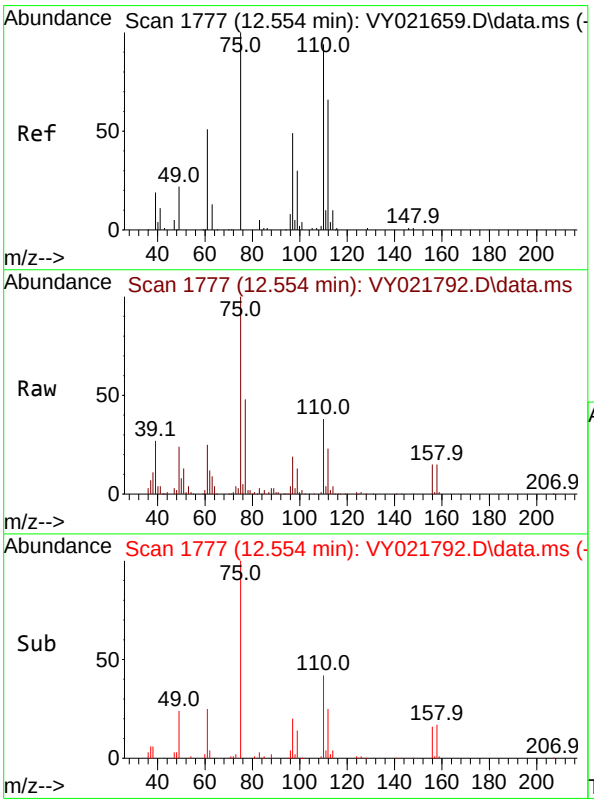
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	64.2	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

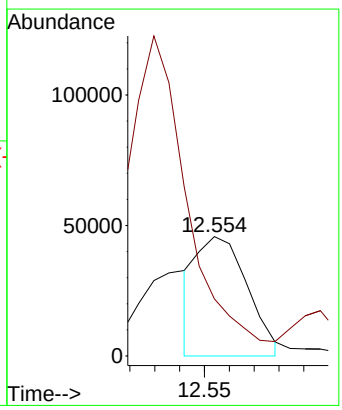
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

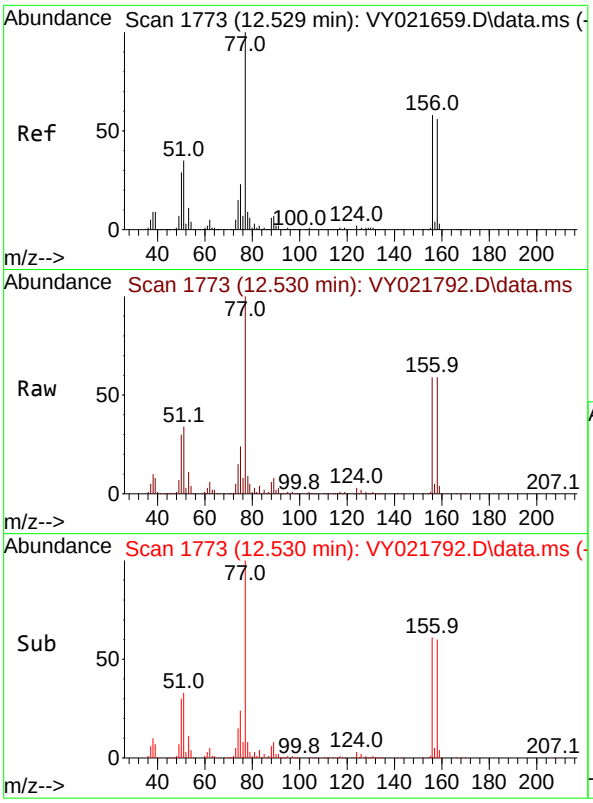


#76
1,2,3-Trichloropropane
Concen: 46.487 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 65314

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

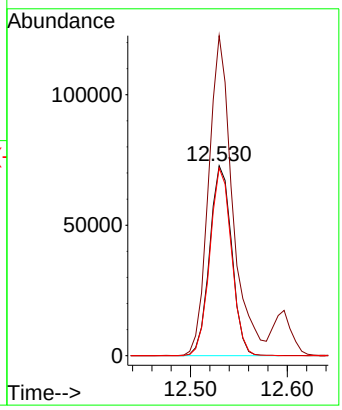




#77
Bromobenzene
Concen: 45.591 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:156 Resp: 11524

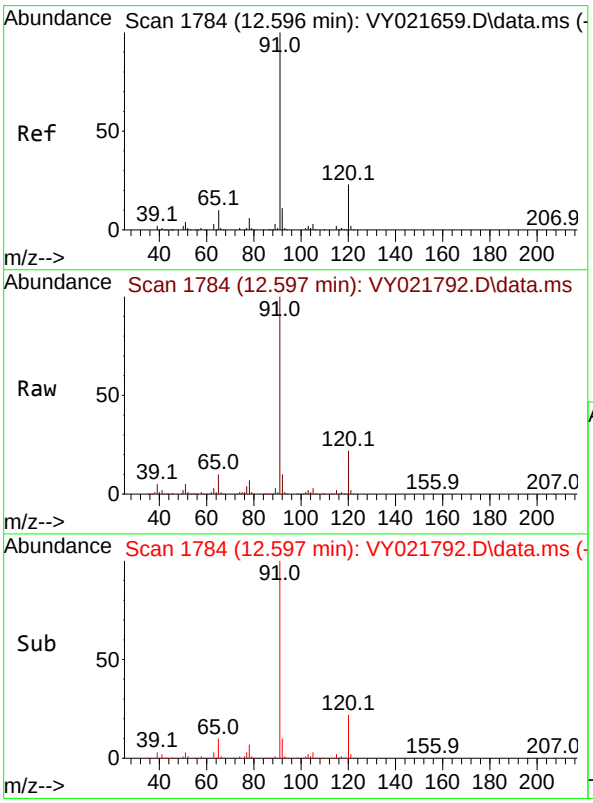
Ion	Ratio	Lower	Upper
156	100		
77	183.6	92.8	278.3
158	97.1	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

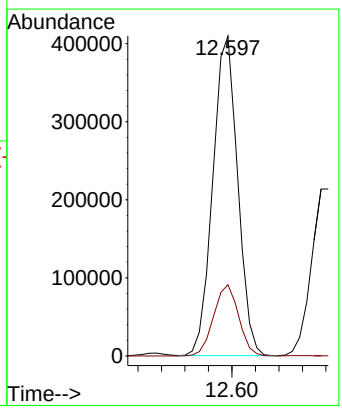
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

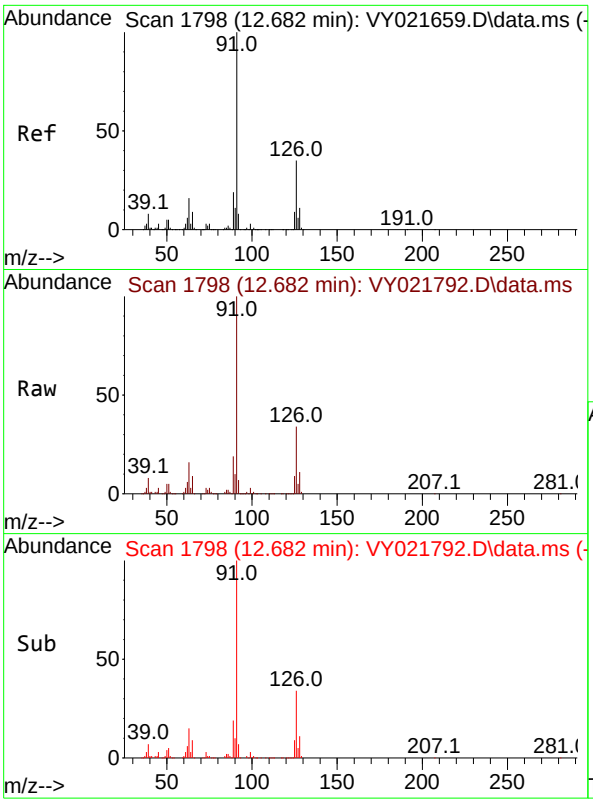


#78
n-propylbenzene
Concen: 47.555 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 601889

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9

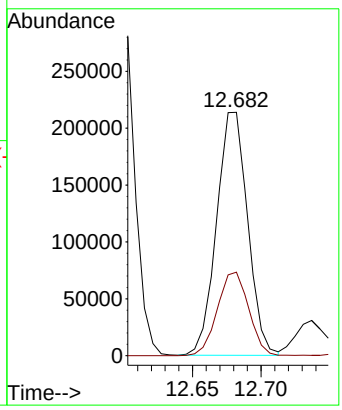




#79
2-Chlorotoluene
Concen: 45.910 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 33749

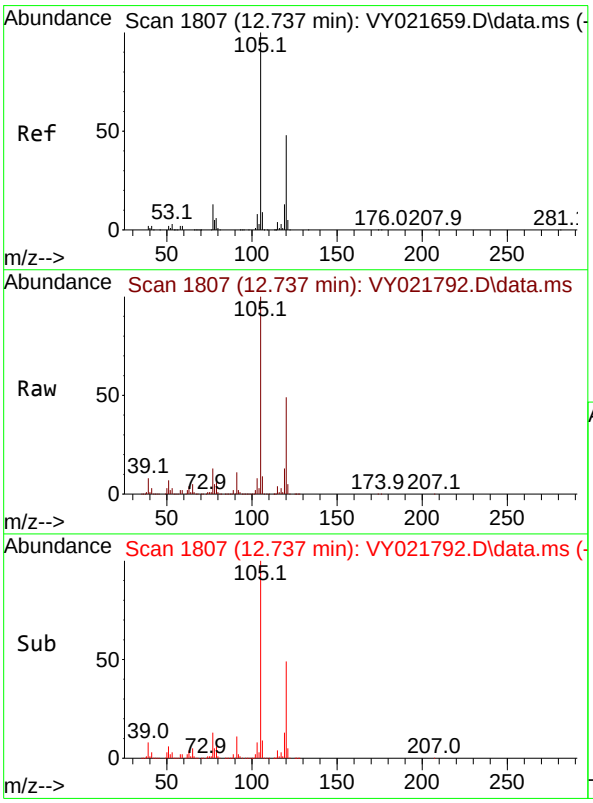
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

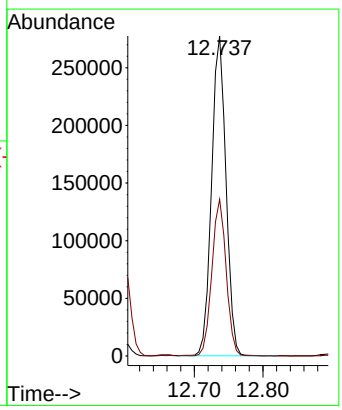
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

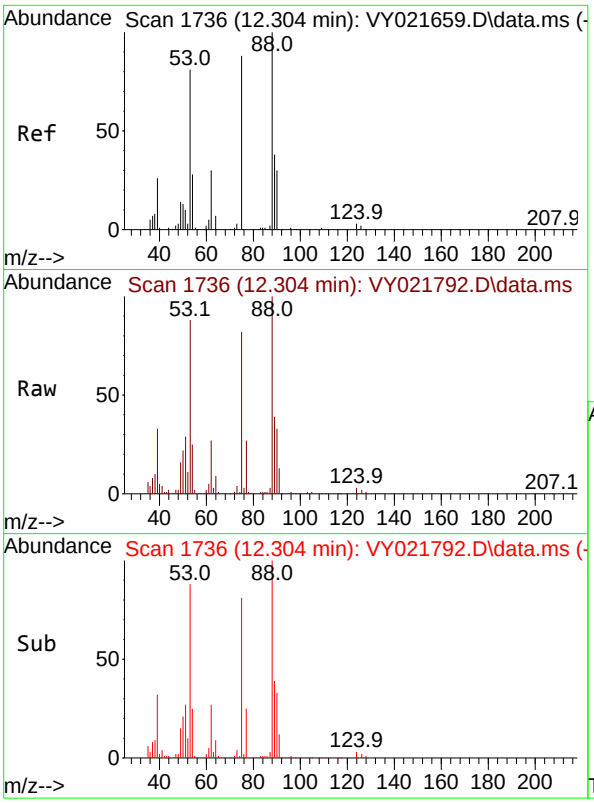


#80
1,3,5-Trimethylbenzene
Concen: 47.086 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:105 Resp: 405133

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.5	73.5

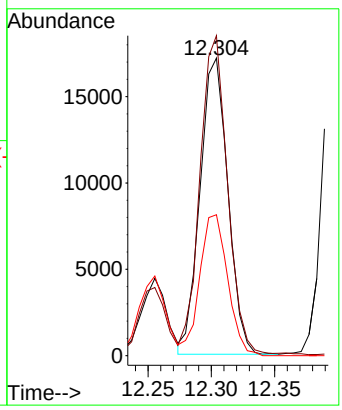




#81
trans-1,4-Dichloro-2-butene
Concen: 43.020 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 2623

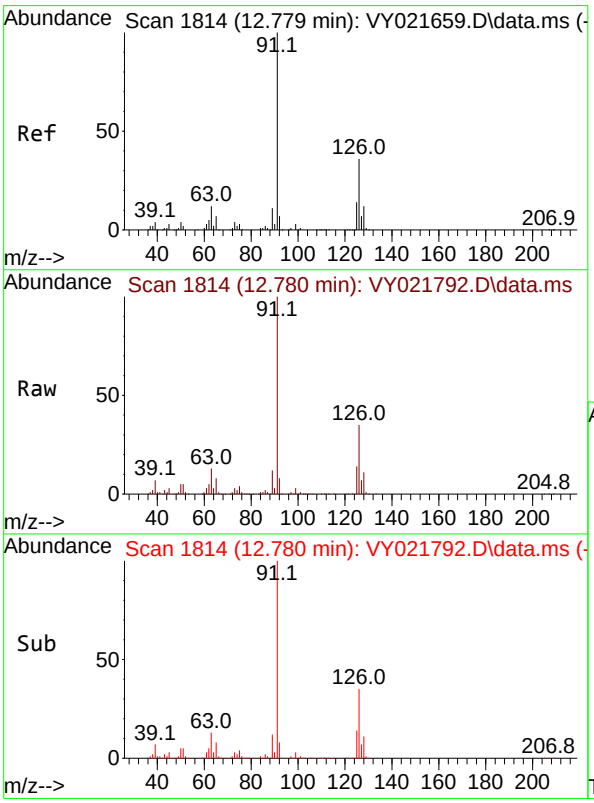
Ion	Ratio	Lower	Upper
75	100		
53	107.2	76.1	114.1
89	48.1	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

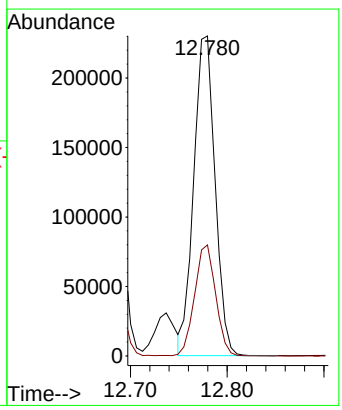
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

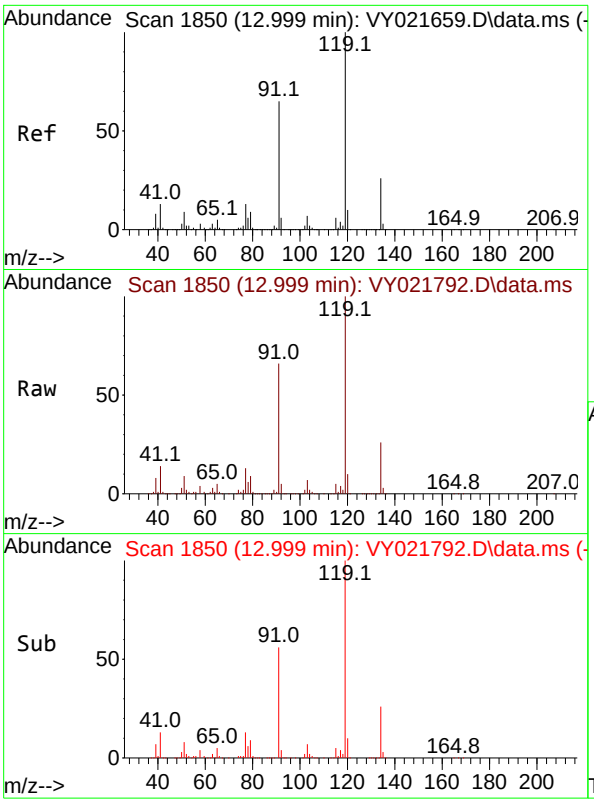


#82
4-Chlorotoluene
Concen: 46.082 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 353167

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	50.9

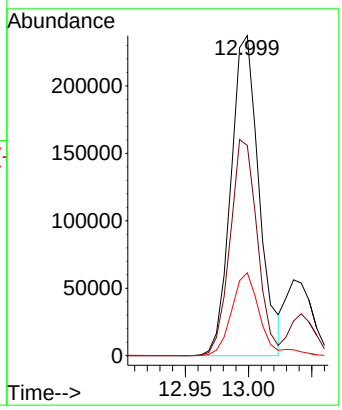




#83
tert-Butylbenzene
Concen: 48.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:119 Resp: 36856

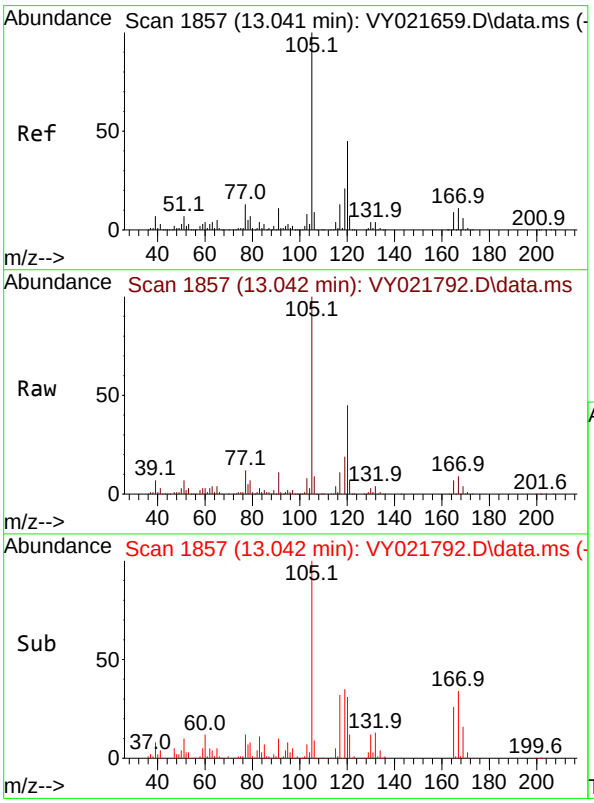
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

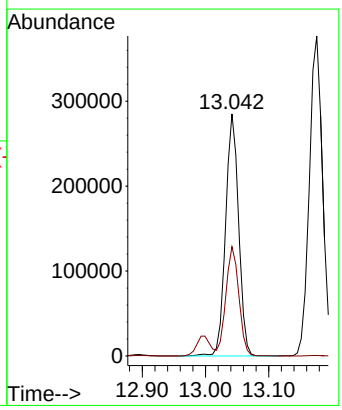
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

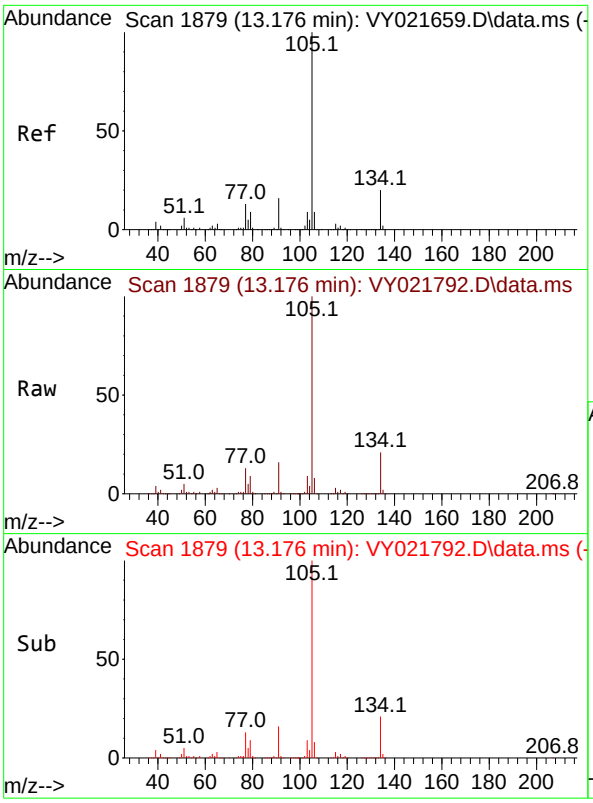


#84
1,2,4-Trimethylbenzene
Concen: 47.974 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:105 Resp: 407964

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.7	68.1

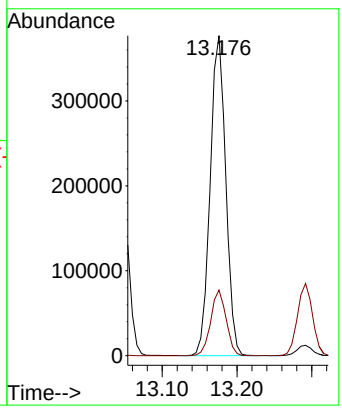




#85
sec-Butylbenzene
Concen: 48.717 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:105 Resp: 54561

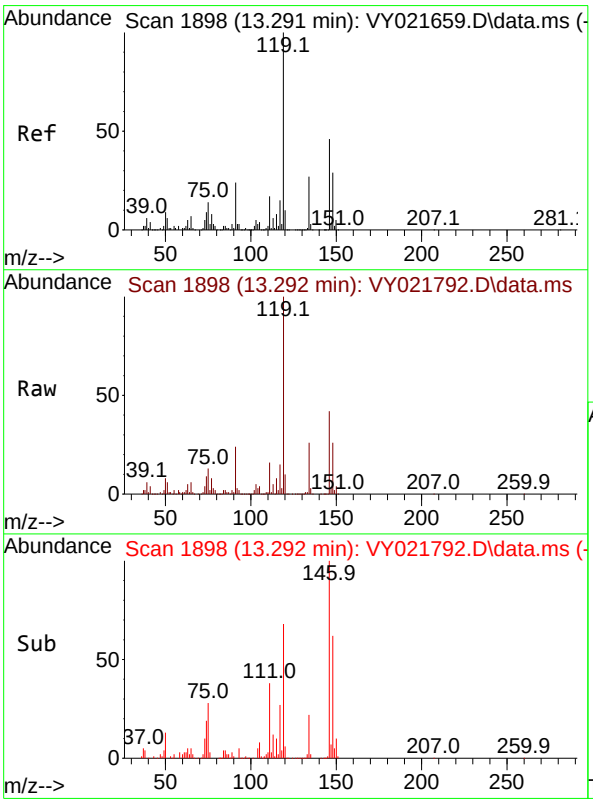
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

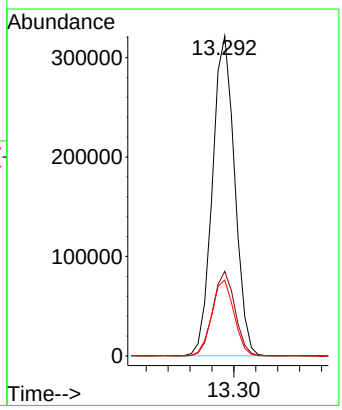
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

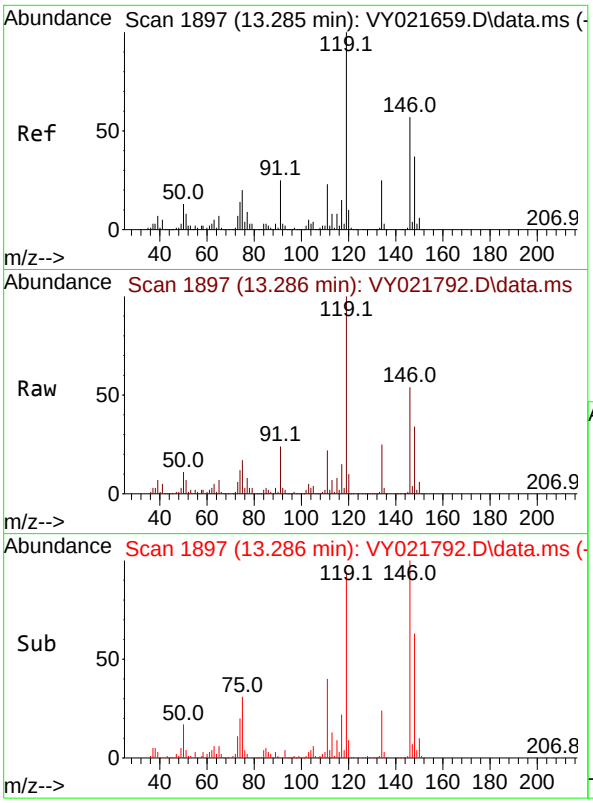


#86
p-Isopropyltoluene
Concen: 48.991 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:119 Resp: 453488

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.8	12.0	36.0





#87
1,3-Dichlorobenzene
Concen: 46.907 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

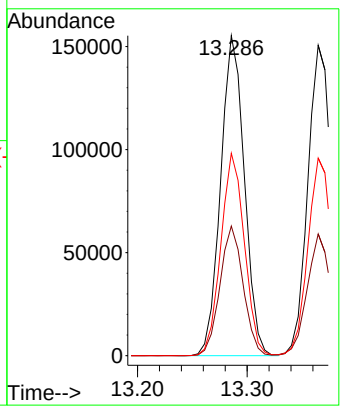
Tgt Ion:146 Resp: 23359

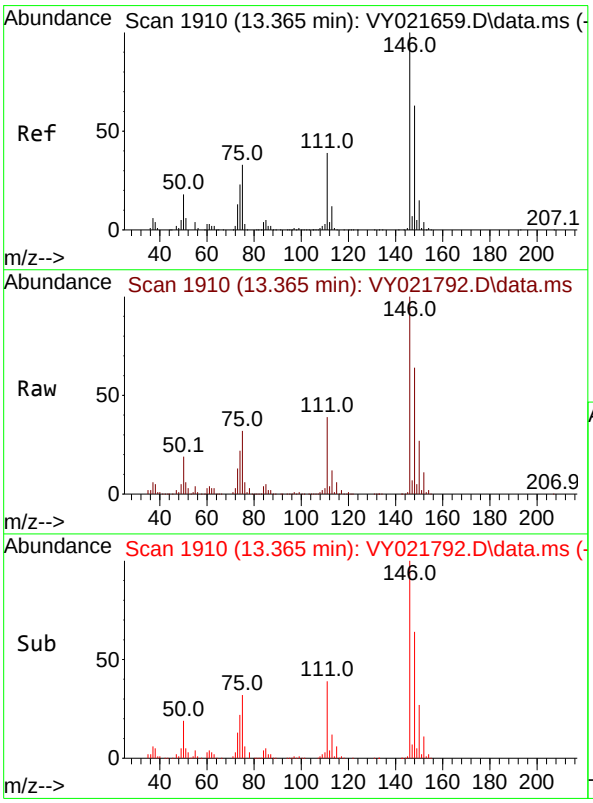
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	62.7	31.8	95.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

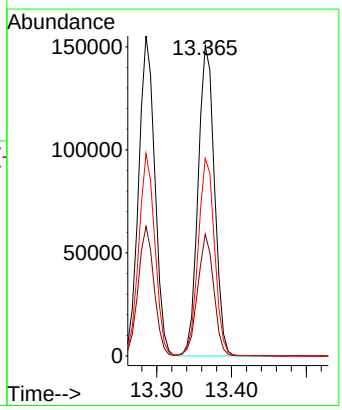


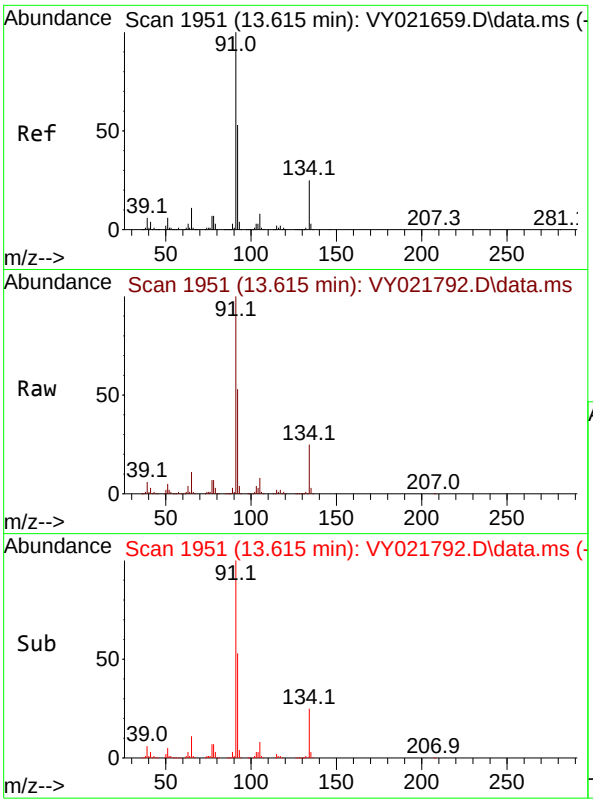


#88
1,4-Dichlorobenzene
Concen: 46.644 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:146 Resp: 229501

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.5	31.5	94.5

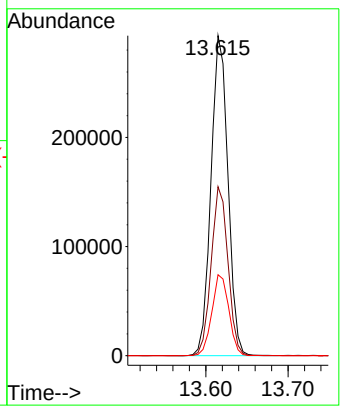




#89
n-Butylbenzene
Concen: 49.033 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 41974

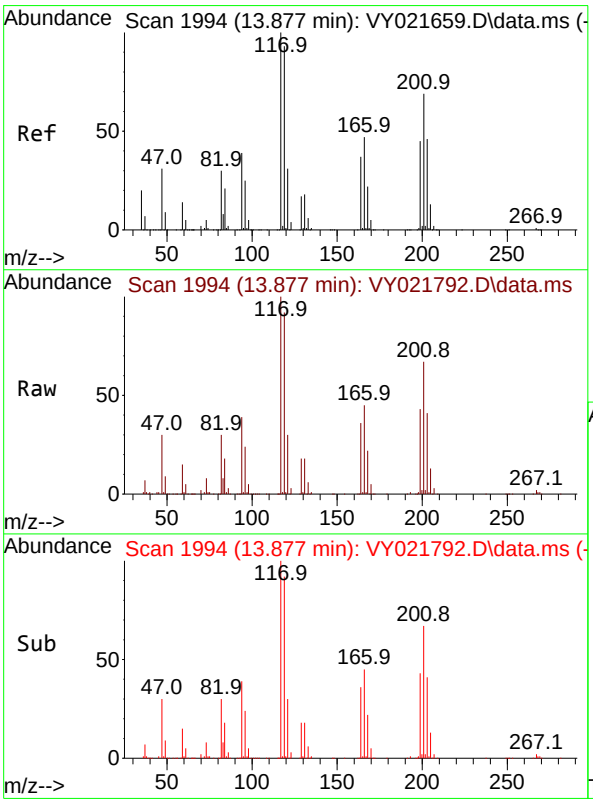
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.4	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

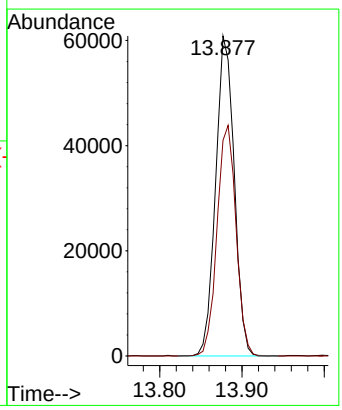
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

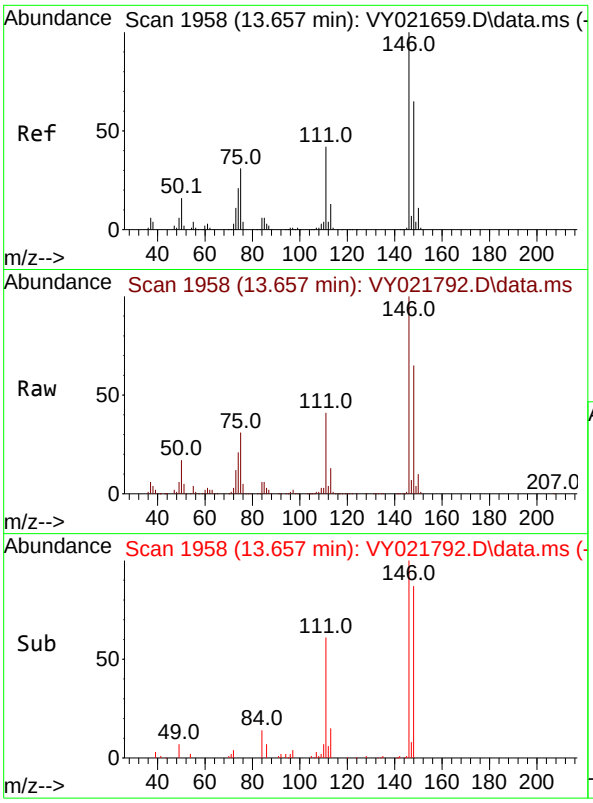


#90
Hexachloroethane
Concen: 47.153 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:117 Resp: 95647

Ion	Ratio	Lower	Upper
117	100		
201	73.6	37.4	112.1

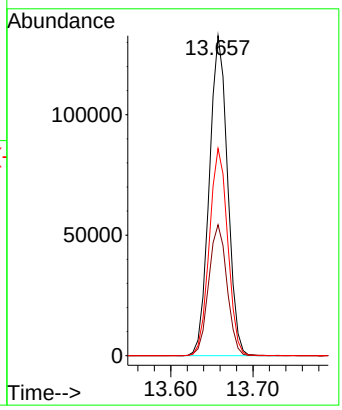




#91
1,2-Dichlorobenzene
Concen: 47.349 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:146 Resp: 20526

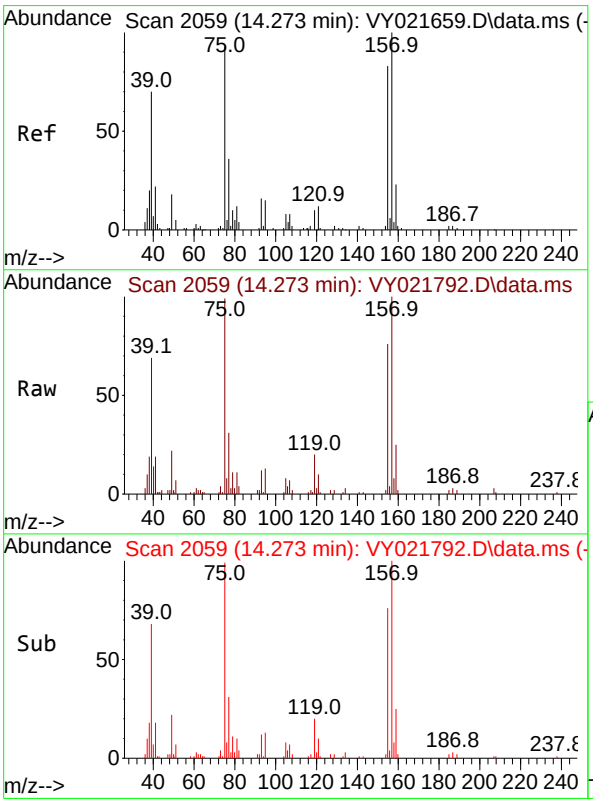
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	65.0	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

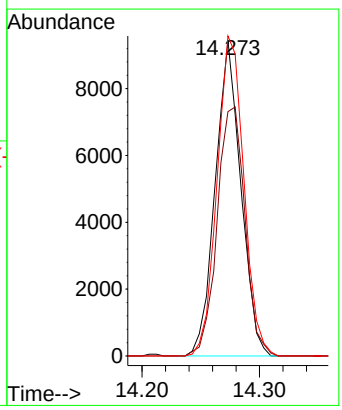
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

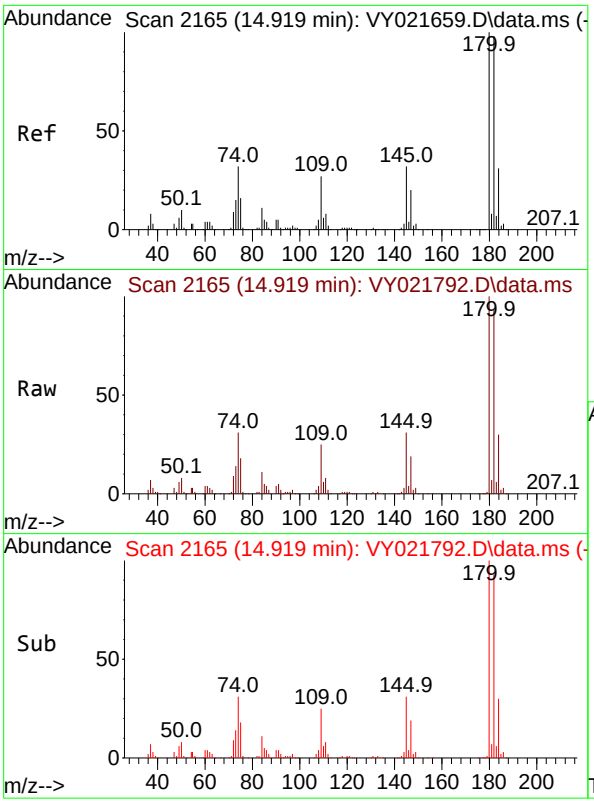


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.715 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 14291

Ion	Ratio	Lower	Upper
75	100		
155	85.4	43.0	128.8
157	105.9	54.0	162.0

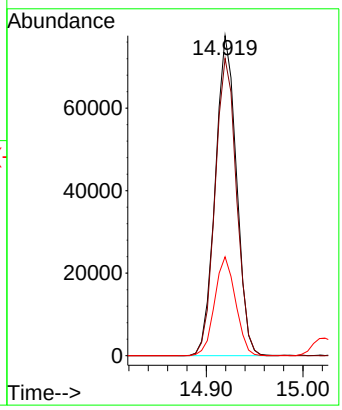




#93
1,2,4-Trichlorobenzene
Concen: 50.055 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:180 Resp: 11767

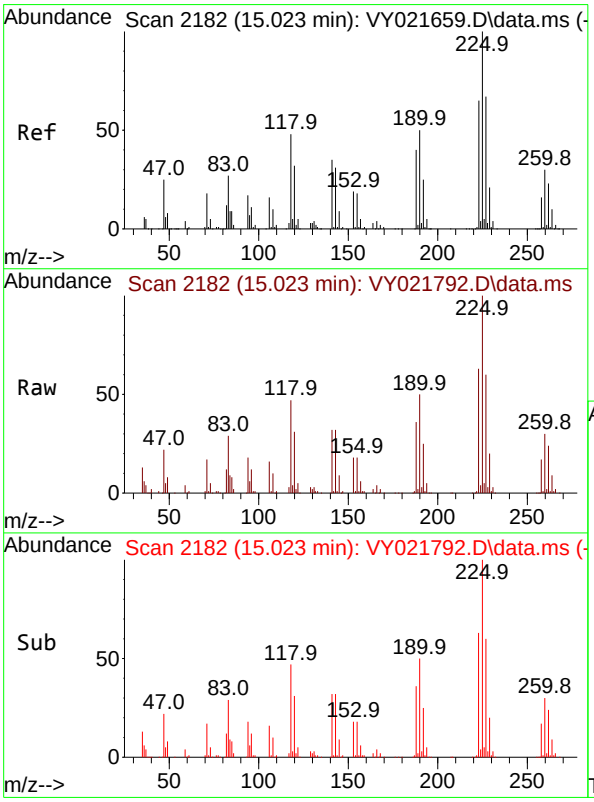
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	30.4	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

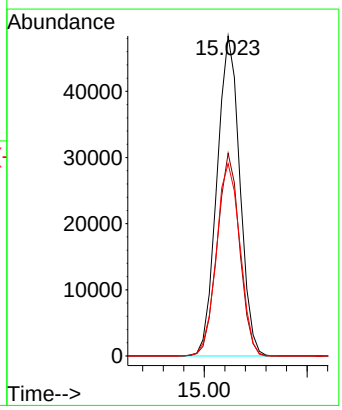
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

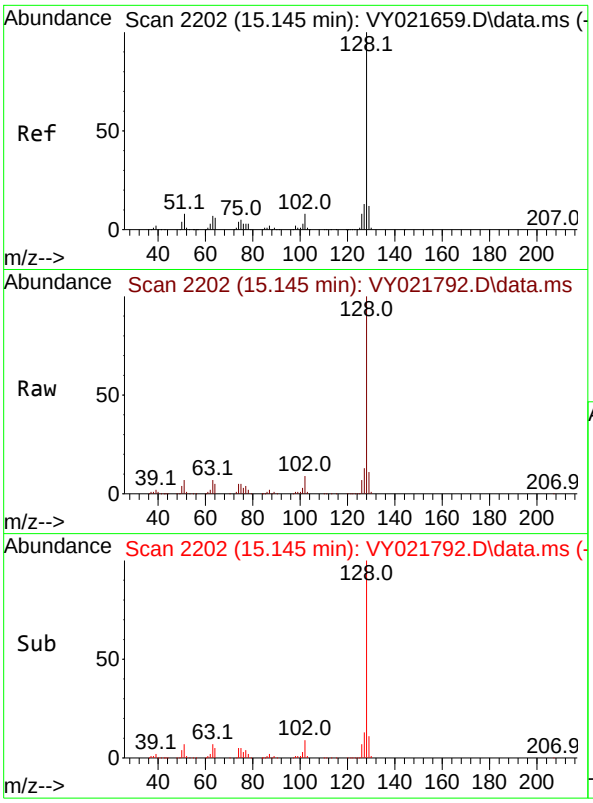


#94
Hexachlorobutadiene
Concen: 50.768 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:225 Resp: 74539

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	62.2	32.4	97.0

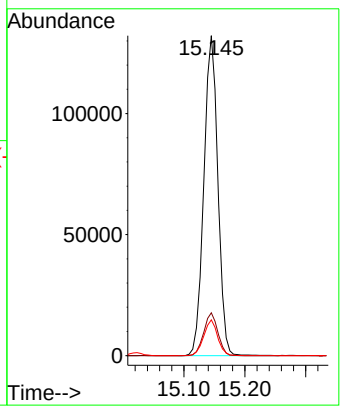




#95
Naphthalene
Concen: 54.294 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

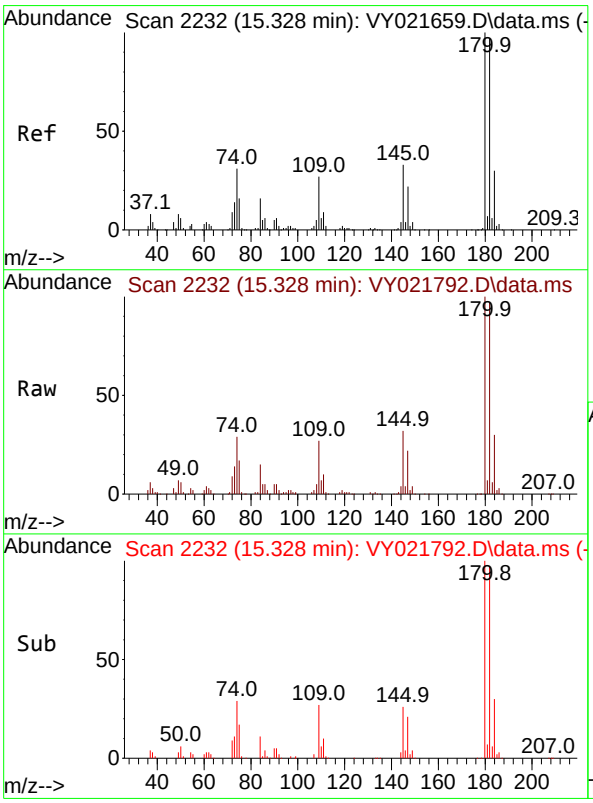
Tgt Ion:128 Resp: 21156

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

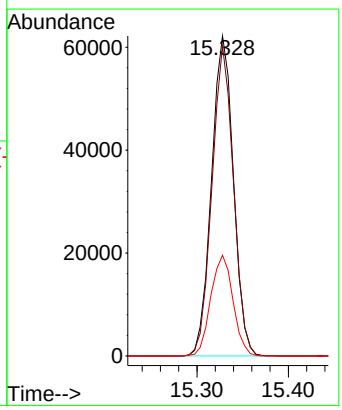
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.591 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:180 Resp: 103426

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.5
145	31.9	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	73	0.00
2	T	Dichlorodifluoromethane	0.518	0.359	30.7#	52	0.00
3	P	Chloromethane	0.729	0.553	24.1	58	0.00
4	C	Vinyl Chloride	0.824	0.666	19.2#	61	0.00
5	T	Bromomethane	0.562	0.462	17.8	66	0.00
6	T	Chloroethane	0.539	0.475	11.9	68	0.00
7	T	Trichlorofluoromethane	1.056	0.967	8.4	70	0.00
8	T	Diethyl Ether	0.287	0.272	5.2	72	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.556	0.2	76	0.00
10	T	Methyl Iodide	0.611	0.561	8.2	63	0.00
11	T	Tert butyl alcohol	0.035	0.034	2.9	74	0.00
12	CM	1,1-Dichloroethene	0.524	0.478	8.8#	68	0.00
13	T	Acrolein	0.064	0.002	96.9#	2#	0.00
14	T	Allyl chloride	0.836	0.793	5.1	69	0.00
15	T	Acrylonitrile	0.120	0.128	-6.7	78	0.00
16	T	Acetone	0.111	0.096	13.5	65	0.00
17	T	Carbon Disulfide	1.727	1.311	24.1	57	0.00
18	T	Methyl Acetate	0.275	0.422	-53.5#	116	0.00
19	T	Methyl tert-butyl Ether	1.306	1.331	-1.9	73	0.00
20	T	Methylene Chloride	0.626	0.578	7.7	75	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.545	5.5	70	0.00
22	T	Diisopropyl ether	1.754	1.846	-5.2	75	0.00
23	T	Vinyl Acetate	1.026	0.979	4.6	67	0.00
24	P	1,1-Dichloroethane	1.049	1.054	-0.5	74	0.00
25	T	2-Butanone	0.158	0.160	-1.3	74	0.00
26	T	2,2-Dichloropropane	0.933	0.866	7.2	69	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.653	-0.6	73	0.00
28	T	Bromochloromethane	0.442	0.439	0.7	75	0.00
29	T	Tetrahydrofuran	0.102	0.108	-5.9	75	0.00
30	C	Chloroform	1.091	1.124	-3.0#	76	0.00
31	T	Cyclohexane	0.956	0.862	9.8	69	0.00
32	T	1,1,1-Trichloroethane	0.986	1.000	-1.4	76	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.534	1.5	71	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
35	S	Dibromofluoromethane	0.324	0.335	-3.4	72	0.00
36	T	1,1-Dichloropropene	0.494	0.494	0.0	72	0.00
37	T	Ethyl Acetate	0.233	0.241	-3.4	74	0.00
38	T	Carbon Tetrachloride	0.566	0.580	-2.5	75	0.00
39	T	Methylcyclohexane	0.590	0.601	-1.9	70	0.00
40	TM	Benzene	1.479	1.511	-2.2	73	0.00
41	T	Methacrylonitrile	0.124	0.129	-4.0	68	-0.02
42	TM	1,2-Dichloroethane	0.417	0.432	-3.6	75	0.00
43	T	Isopropyl Acetate	0.442	0.463	-4.8	74	0.00
44	TM	Trichloroethene	0.377	0.391	-3.7	76	0.00
45	C	1,2-Dichloropropane	0.350	0.374	-6.9#	77	0.00
46	T	Dibromomethane	0.202	0.216	-6.9	79	0.00
47	T	Bromodichloromethane	0.523	0.563	-7.6	78	0.00
48	T	Methyl methacrylate	0.203	0.223	-9.9	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	73	0.00
50	S	Toluene-d8	1.234	1.224	0.8	68	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.263	-14.3	79	0.00
52	CM	Toluene	0.923	0.970	-5.1#	74	0.00
53	T	t-1,3-Dichloropropene	0.465	0.492	-5.8	73	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.567	-3.5	73	0.00
55	T	1,1,2-Trichloroethane	0.260	0.292	-12.3	81	0.00
56	T	Ethyl methacrylate	0.332	0.379	-14.2	75	0.00
57	T	1,3-Dichloropropane	0.449	0.485	-8.0	77	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.191	-17.9	77	0.00
59	T	2-Hexanone	0.153	0.177	-15.7	78	0.00
60	T	Dibromochloromethane	0.355	0.400	-12.7	80	0.00
61	T	1,2-Dibromoethane	0.244	0.265	-8.6	76	0.00
62	S	4-Bromofluorobenzene	0.417	0.451	-8.2	75	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64	T	Tetrachloroethene	0.455	0.465	-2.2	78	0.00
65	PM	Chlorobenzene	1.146	1.161	-1.3	76	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.425	-4.4	78	0.00
67	C	Ethyl Benzene	1.965	2.034	-3.5#	75	0.00
68	T	m/p-Xylenes	0.753	0.777	-3.2	74	0.00
69	T	o-Xylene	0.695	0.730	-5.0	74	0.00
70	T	Styrene	1.158	1.252	-8.1	76	0.00
71	P	Bromoform	0.232	0.252	-8.6	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
73	T	Isopropylbenzene	3.714	3.458	6.9	76	0.00
74	T	N-amyl acetate	0.872	0.776	11.0	71	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.613	8.2	79	0.00
76	T	1,2,3-Trichloropropane	0.496	0.461	7.1	78	0.00
77	T	Bromobenzene	0.892	0.813	8.9	77	0.00
78	T	n-propylbenzene	4.465	4.246	4.9	78	0.00
79	T	2-Chlorotoluene	2.593	2.381	8.2	76	0.00
80	T	1,3,5-Trimethylbenzene	3.035	2.858	5.8	77	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.185	14.0	70	0.00
82	T	4-Chlorotoluene	2.704	2.492	7.8	76	0.00
83	T	tert-Butylbenzene	2.703	2.600	3.8	79	0.00
84	T	1,2,4-Trimethylbenzene	3.000	2.878	4.1	78	0.00
85	T	sec-Butylbenzene	3.951	3.849	2.6	79	0.00
86	T	p-Isopropyltoluene	3.265	3.199	2.0	79	0.00
87	T	1,3-Dichlorobenzene	1.757	1.648	6.2	80	0.00
88	T	1,4-Dichlorobenzene	1.736	1.619	6.7	79	0.00
89	T	n-Butylbenzene	3.020	2.961	2.0	79	0.00
90	T	Hexachloroethane	0.716	0.675	5.7	81	0.00
91	T	1,2-Dichlorobenzene	1.529	1.448	5.3	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.101	1.9	83	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.830	-0.1	80	0.00
94	T	Hexachlorobutadiene	0.518	0.526	-1.5	85	0.00
95	T	Naphthalene	1.375	1.493	-8.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.730	-3.3	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	73	0.00
2	T	Dichlorodifluoromethane	50.000	34.675	30.7#	52	0.00
3	P	Chloromethane	50.000	37.926	24.1	58	0.00
4	C	Vinyl Chloride	50.000	40.388	19.2#	61	0.00
5	T	Bromomethane	50.000	41.105	17.8	66	0.00
6	T	Chloroethane	50.000	44.021	12.0	68	0.00
7	T	Trichlorofluoromethane	50.000	45.822	8.4	70	0.00
8	T	Diethyl Ether	50.000	47.399	5.2	72	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.950	0.1	76	0.00
10	T	Methyl Iodide	50.000	45.932	8.1	63	0.00
11	T	Tert butyl alcohol	250.000	243.556	2.6	74	0.00
12	CM	1,1-Dichloroethene	50.000	45.612	8.8#	68	0.00
13	T	Acrolein	250.000	7.930	96.8#	2	0.00
14	T	Allyl chloride	50.000	47.435	5.1	69	0.00
15	T	Acrylonitrile	250.000	267.842	-7.1	78	0.00
16	T	Acetone	250.000	215.455	13.8	65	0.00
17	T	Carbon Disulfide	50.000	37.940	24.1	57	0.00
18	T	Methyl Acetate	50.000	76.853	-53.7#	116	0.00
19	T	Methyl tert-butyl Ether	50.000	50.970	-1.9	73	0.00
20	T	Methylene Chloride	50.000	53.510	-7.0	75	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.223	5.6	70	0.00
22	T	Diisopropyl ether	50.000	52.609	-5.2	75	0.00
23	T	Vinyl Acetate	250.000	238.431	4.6	67	0.00
24	P	1,1-Dichloroethane	50.000	50.240	-0.5	74	0.00
25	T	2-Butanone	250.000	252.446	-1.0	74	0.00
26	T	2,2-Dichloropropane	50.000	46.414	7.2	69	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.266	-0.5	73	0.00
28	T	Bromochloromethane	50.000	49.629	0.7	75	0.00
29	T	Tetrahydrofuran	250.000	265.308	-6.1	75	0.00
30	C	Chloroform	50.000	51.519	-3.0#	76	0.00
31	T	Cyclohexane	50.000	45.062	9.9	69	0.00
32	T	1,1,1-Trichloroethane	50.000	50.714	-1.4	76	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.291	1.4	71	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	73	0.00
35	S	Dibromofluoromethane	50.000	51.567	-3.1	72	0.00
36	T	1,1-Dichloropropene	50.000	50.035	-0.1	72	0.00
37	T	Ethyl Acetate	50.000	51.733	-3.5	74	0.00
38	T	Carbon Tetrachloride	50.000	51.249	-2.5	75	0.00
39	T	Methylcyclohexane	50.000	50.922	-1.8	70	0.00
40	TM	Benzene	50.000	51.051	-2.1	73	0.00
41	T	Methacrylonitrile	50.000	52.095	-4.2	68	-0.02
42	TM	1,2-Dichloroethane	50.000	51.801	-3.6	75	0.00
43	T	Isopropyl Acetate	50.000	52.369	-4.7	74	0.00
44	TM	Trichloroethene	50.000	51.907	-3.8	76	0.00
45	C	1,2-Dichloropropane	50.000	53.457	-6.9#	77	0.00
46	T	Dibromomethane	50.000	53.422	-6.8	79	0.00
47	T	Bromodichloromethane	50.000	53.857	-7.7	78	0.00
48	T	Methyl methacrylate	50.000	54.919	-9.8	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1042.700	-4.3	73	0.00
50	S	Toluene-d8	50.000	49.581	0.8	68	0.00
51	T	4-Methyl-2-Pentanone	250.000	285.663	-14.3	79	0.00
52	CM	Toluene	50.000	52.527	-5.1#	74	0.00
53	T	t-1,3-Dichloropropene	50.000	52.910	-5.8	73	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.714	-3.4	73	0.00
55	T	1,1,2-Trichloroethane	50.000	56.175	-12.3	81	0.00
56	T	Ethyl methacrylate	50.000	57.212	-14.4	75	0.00
57	T	1,3-Dichloropropane	50.000	54.092	-8.2	77	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	294.907	-18.0	77	0.00
59	T	2-Hexanone	250.000	288.335	-15.3	78	0.00
60	T	Dibromochloromethane	50.000	56.412	-12.8	80	0.00
61	T	1,2-Dibromoethane	50.000	54.475	-9.0	76	0.00
62	S	4-Bromofluorobenzene	50.000	54.025	-8.0	75	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64	T	Tetrachloroethene	50.000	51.070	-2.1	78	0.00
65	PM	Chlorobenzene	50.000	50.644	-1.3	76	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.241	-4.5	78	0.00
67	C	Ethyl Benzene	50.000	51.739	-3.5#	75	0.00
68	T	m/p-Xylenes	100.000	103.189	-3.2	74	0.00
69	T	o-Xylene	50.000	52.528	-5.1	74	0.00
70	T	Styrene	50.000	54.028	-8.1	76	0.00
71	P	Bromoform	50.000	54.280	-8.6	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	84	0.00
73	T	Isopropylbenzene	50.000	46.563	6.9	76	0.00
74	T	N-amyl acetate	50.000	44.542	10.9	71	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.870	8.3	79	0.00
76	T	1,2,3-Trichloropropane	50.000	46.487	7.0	78	0.00
77	T	Bromobenzene	50.000	45.591	8.8	77	0.00
78	T	n-propylbenzene	50.000	47.555	4.9	78	0.00
79	T	2-Chlorotoluene	50.000	45.910	8.2	76	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.086	5.8	77	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.020	14.0	70	0.00
82	T	4-Chlorotoluene	50.000	46.082	7.8	76	0.00
83	T	tert-Butylbenzene	50.000	48.092	3.8	79	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.974	4.1	78	0.00
85	T	sec-Butylbenzene	50.000	48.717	2.6	79	0.00
86	T	p-Isopropyltoluene	50.000	48.991	2.0	79	0.00
87	T	1,3-Dichlorobenzene	50.000	46.907	6.2	80	0.00
88	T	1,4-Dichlorobenzene	50.000	46.644	6.7	79	0.00
89	T	n-Butylbenzene	50.000	49.033	1.9	79	0.00
90	T	Hexachloroethane	50.000	47.153	5.7	81	0.00
91	T	1,2-Dichlorobenzene	50.000	47.349	5.3	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.715	2.6	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.055	-0.1	80	0.00
94	T	Hexachlorobutadiene	50.000	50.768	-1.5	85	0.00
95	T	Naphthalene	50.000	54.294	-8.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	51.591	-3.2	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 09:10

Lab File ID: VY021794.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.452		-12.74	20
Chloromethane	0.729	0.643	0.1	-11.8	20
Vinyl Chloride	0.824	0.748		-9.22	20
Bromomethane	0.562	0.461		-17.97	20
Chloroethane	0.539	0.488		-9.46	20
Tetrahydrofuran	0.102	0.088		-13.73	20
Trichlorofluoromethane	1.056	0.976		-7.58	20
1,1,2-Trichlorotrifluoroethane	0.557	0.516		-7.36	20
1,1-Dichloroethene	0.524	0.492		-6.11	20
Acrylonitrile	0.120	0.104		-13.33	20
Acetone	0.111	0.115		3.6	20
Carbon Disulfide	1.727	1.557		-9.84	20
Methyl tert-butyl Ether	1.306	1.179		-9.72	20
Methylene Chloride	0.626	0.524		-16.29	20
trans-1,2-Dichloroethene	0.577	0.548		-5.03	20
1,1-Dichloroethane	1.049	0.993	0.1	-5.34	20
2-Butanone	0.158	0.145		-8.23	20
Carbon Tetrachloride	0.566	0.574		1.41	20
2,2-Dichloropropane	0.933	0.900		-3.54	20
cis-1,2-Dichloroethene	0.649	0.623		-4.01	20
Chloroform	1.091	1.038		-4.86	20
1,1,1-Trichloroethane	0.986	0.931		-5.58	20
1,1-Dichloropropene	0.494	0.499		1.01	20
Benzene	1.479	1.489		0.68	20
1,2-Dichloroethane	0.417	0.403		-3.36	20
Trichloroethene	0.377	0.391		3.71	20
1,2-Dichloropropane	0.350	0.349		-0.29	20
Dibromomethane	0.202	0.194		-3.96	20
Bromodichloromethane	0.523	0.517		-1.15	20
4-Methyl-2-Pentanone	0.230	0.214		-6.96	20
Toluene	0.923	0.947		2.6	20
t-1,3-Dichloropropene	0.465	0.463		-0.43	20
cis-1,3-Dichloropropene	0.548	0.550		0.37	20
1,1,2-Trichloroethane	0.260	0.255		-1.92	20
1,3-Dichloropropane	0.449	0.442		-1.56	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.355	0.353		-0.56	20
1,2-Dibromoethane	0.244	0.237		-2.87	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 09:10

Lab File ID: VY021794.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.498		9.45	20
Chlorobenzene	1.146	1.144	0.3	-0.17	20
1,1,1,2-Tetrachloroethane	0.407	0.406		-0.25	20
Ethyl Benzene	1.965	2.032		3.41	20
m/p-Xylenes	0.753	0.782		3.85	20
o-Xylene	0.695	0.722		3.88	20
Styrene	1.158	1.220		5.35	20
Bromoform	0.232	0.230	0.1	-0.86	20
Isopropylbenzene	3.714	3.754		1.08	20
1,1,2,2-Tetrachloroethane	0.668	0.558	0.3	-16.47	20
1,2,3-Trichloropropane	0.496	0.495		-0.2	20
Bromobenzene	0.892	0.880		-1.35	20
n-propylbenzene	4.465	4.571		2.37	20
2-Chlorotoluene	2.593	2.571		-0.85	20
1,3,5-Trimethylbenzene	3.035	3.067		1.05	20
4-Chlorotoluene	2.704	2.643		-2.26	20
tert-Butylbenzene	2.703	2.671		-1.18	20
1,2,4-Trimethylbenzene	3.000	3.088		2.93	20
sec-Butylbenzene	3.951	3.994		1.09	20
p-Isopropyltoluene	3.265	3.370		3.22	20
1,3-Dichlorobenzene	1.757	1.749		-0.46	20
1,4-Dichlorobenzene	1.736	1.688		-2.77	20
n-Butylbenzene	3.020	3.049		0.96	20
1,2-Dichlorobenzene	1.529	1.506		-1.5	20
1,2-Dibromo-3-Chloropropane	0.103	0.093		-9.71	20
1,2,4-Trichlorobenzene	0.829	0.817		-1.45	20
Hexachlorobutadiene	0.518	0.498		-3.86	20
1,2,3-Trichlorobenzene	0.707	0.687		-2.83	20
1,2-Dichloroethane-d4	0.542	0.510		-5.9	20
Dibromofluoromethane	0.324	0.328		1.24	20
Toluene-d8	1.234	1.277		3.48	20
4-Bromofluorobenzene	0.417	0.433		3.84	20
trans-1,4-Dichloro-2-butene	0.215	0.199		-7.44	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\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	224832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114675	47.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.160%			
35) Dibromofluoromethane	7.634	113	110409	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.109	98	430269	51.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.408	95	146026	51.914	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	101543	43.574	ug/l	99
3) Chloromethane	2.068	50	144626	44.137	ug/l	99
4) Vinyl Chloride	2.202	62	168210	45.392	ug/l	100
5) Bromomethane	2.598	94	103733	41.042	ug/l	96
6) Chloroethane	2.733	64	109653	45.220	ug/l	96
7) Trichlorofluoromethane	3.056	101	219440	46.226	ug/l	96
8) Diethyl Ether	3.452	74	56166	43.508	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	116067	46.358	ug/l	99
10) Methyl Iodide	4.007	142	134960	49.135	ug/l	99
11) Tert butyl alcohol	4.854	59	31101	196.563	ug/l	98
12) 1,1-Dichloroethene	3.793	96	110572	46.887	ug/l	98
13) Acrolein	3.647	56	21903	75.813	ug/l	98
14) Allyl chloride	4.385	41	173690	46.193	ug/l	99
15) Acrylonitrile	5.061	53	116368	215.889	ug/l	98
16) Acetone	3.866	43	129207	259.165	ug/l	96
17) Carbon Disulfide	4.104	76	350105	45.073	ug/l	98
18) Methyl Acetate	4.385	43	61273	49.589	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	264988	45.133	ug/l	99
20) Methylene Chloride	4.616	84	117747	48.120	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	123247	47.466	ug/l	95
22) Diisopropyl ether	6.019	45	375600	47.619	ug/l	99
23) Vinyl Acetate	5.958	43	1018936	220.822	ug/l	100
24) 1,1-Dichloroethane	5.915	63	223308	47.347	ug/l	99
25) 2-Butanone	6.890	43	163207	229.196	ug/l	98
26) 2,2-Dichloropropane	6.884	77	202427	48.250	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	140137	47.992	ug/l	98
28) Bromochloromethane	7.244	49	92565	46.536	ug/l	100
29) Tetrahydrofuran	7.262	42	98557	215.053	ug/l	98
30) Chloroform	7.421	83	233479	47.595	ug/l	99
31) Cyclohexane	7.701	56	191520	44.546	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	209391	47.227	ug/l	98
36) 1,1-Dichloropropene	7.835	75	168291	50.545	ug/l	99
37) Ethyl Acetate	6.982	43	69534	44.251	ug/l	98
38) Carbon Tetrachloride	7.817	117	193545	50.753	ug/l	98
39) Methylcyclohexane	9.109	83	194442	48.886	ug/l	99
40) Benzene	8.079	78	501796	50.325	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	40954m	49.076	ug/l		
42) 1,2-Dichloroethane	8.158	62	135660	48.260	ug/l		99
43) Isopropyl Acetate	8.195	43	133660	44.885	ug/l	#	87
44) Trichloroethene	8.866	130	131643	51.817	ug/l		96
45) 1,2-Dichloropropane	9.140	63	117612	49.831	ug/l		99
46) Dibromomethane	9.231	93	65338	48.034	ug/l		98
47) Bromodichloromethane	9.426	83	174186	49.419	ug/l		100
48) Methyl methacrylate	9.219	41	64853	47.453	ug/l		95
49) 1,4-Dioxane	9.231	88	13646	936.467	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	360893	232.887	ug/l		100
52) Toluene	10.170	92	319169	51.304	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	155920	49.804	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	185476	50.219	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	86004	49.131	ug/l		98
56) Ethyl methacrylate	10.445	69	109189	48.850	ug/l		98
57) 1,3-Dichloropropane	10.719	76	149100	49.319	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	282136	258.748	ug/l		100
59) 2-Hexanone	10.762	43	251244	243.444	ug/l		100
60) Dibromochloromethane	10.914	129	118885	49.743	ug/l		99
61) 1,2-Dibromoethane	11.018	107	80014	48.727	ug/l		99
64) Tetrachloroethene	10.646	164	148740	54.654	ug/l		98
65) Chlorobenzene	11.444	112	341961	49.923	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	121265	49.897	ug/l		98
67) Ethyl Benzene	11.524	91	607101	51.687	ug/l		100
68) m/p-Xylenes	11.633	106	467260	103.887	ug/l		100
69) o-Xylene	11.957	106	215626	51.935	ug/l		98
70) Styrene	11.969	104	364462	52.649	ug/l		99
71) Bromoform	12.133	173	68597	49.483	ug/l	#	99
73) Isopropylbenzene	12.255	105	575416	50.541	ug/l		99
74) N-amyl acetate	12.072	43	115291	43.148	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	85563	41.800	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	75873m	49.934	ug/l		
77) Bromobenzene	12.536	156	134854	49.332	ug/l		97
78) n-propylbenzene	12.597	91	700624	51.186	ug/l		100
79) 2-Chlorotoluene	12.682	91	394135	49.576	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	470123	50.524	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	30461	46.192	ug/l		97
82) 4-Chlorotoluene	12.780	91	405107	48.877	ug/l		98
83) tert-Butylbenzene	12.999	119	409458	49.404	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	473400	51.475	ug/l		99
85) sec-Butylbenzene	13.176	105	612188	50.544	ug/l		100
86) p-Isopropyltoluene	13.292	119	516598	51.605	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	268145	49.789	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	258781	48.633	ug/l		99
89) n-Butylbenzene	13.621	91	467407	50.487	ug/l		100
90) Hexachloroethane	13.883	117	106174	48.399	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	230830	49.236	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14186	44.715	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	125306	49.286	ug/l		99
94) Hexachlorobutadiene	15.029	225	76368	48.096	ug/l		99
95) Naphthalene	15.151	128	198442	47.089	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	105317	48.577	ug/l		99

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Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

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

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

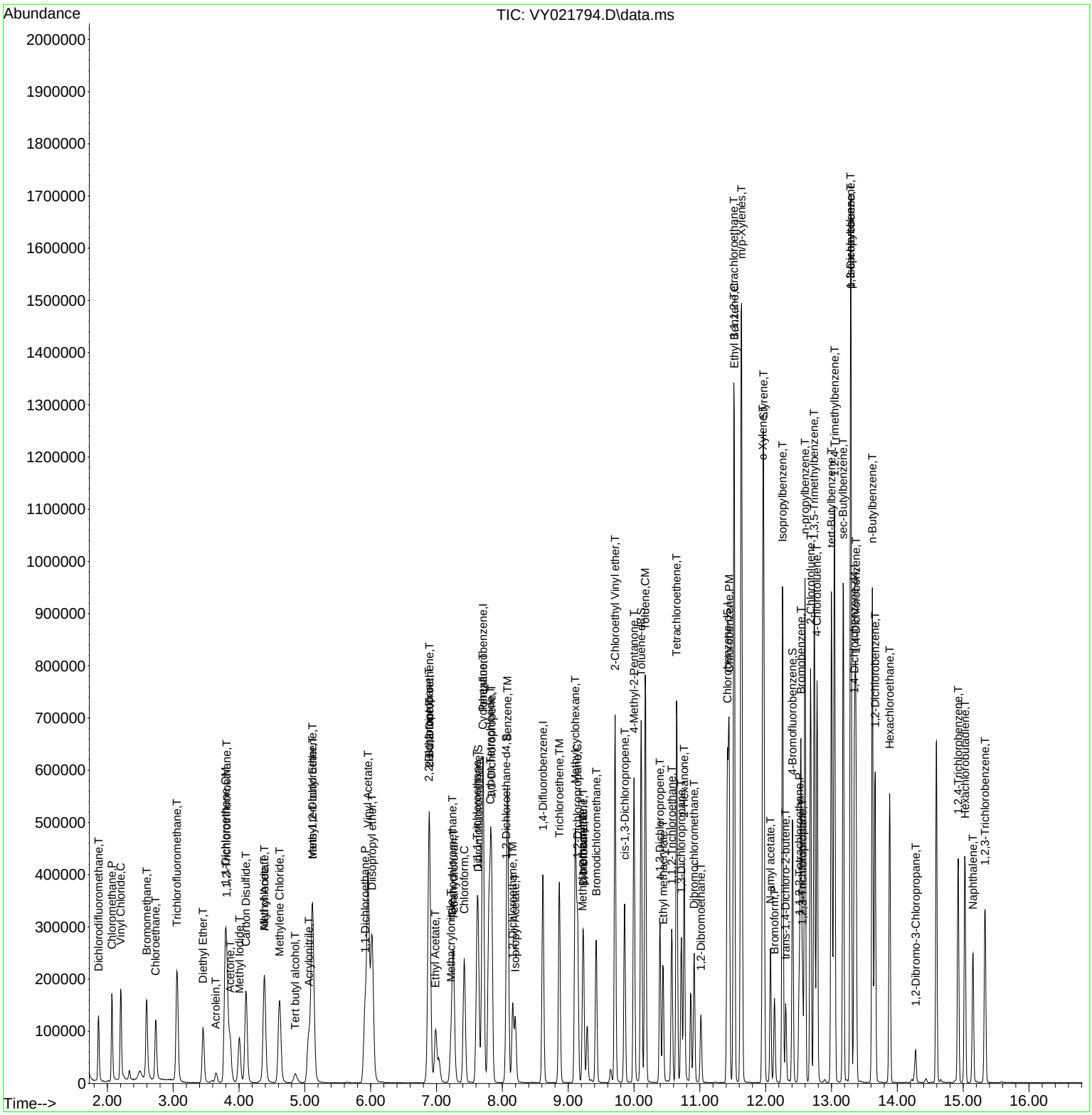
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ALS Vial : 2 Sample Multiplier: 1

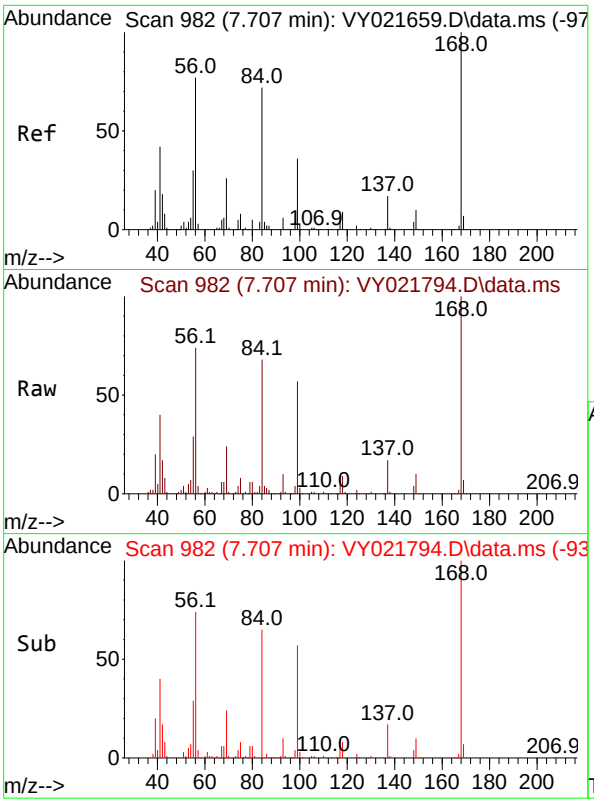
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
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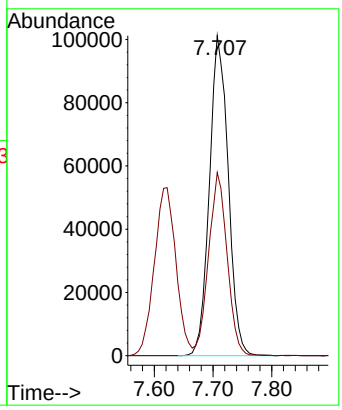




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:168 Resp: 22483

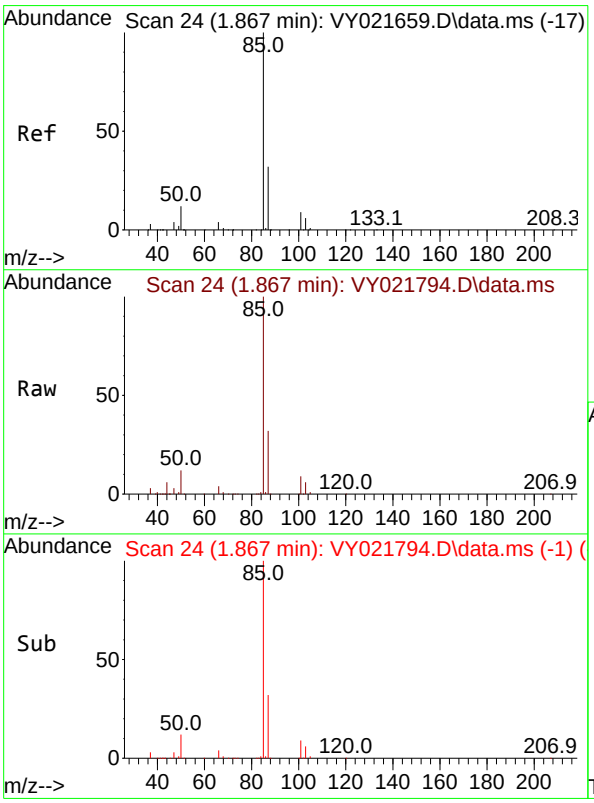
Ion	Ratio	Lower	Upper
168	100		
99	57.2	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

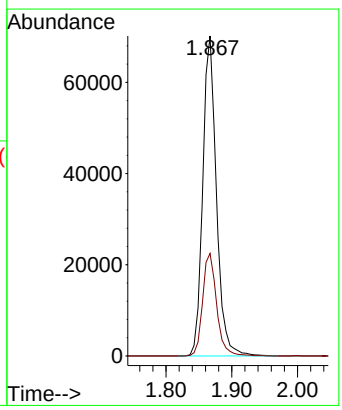
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

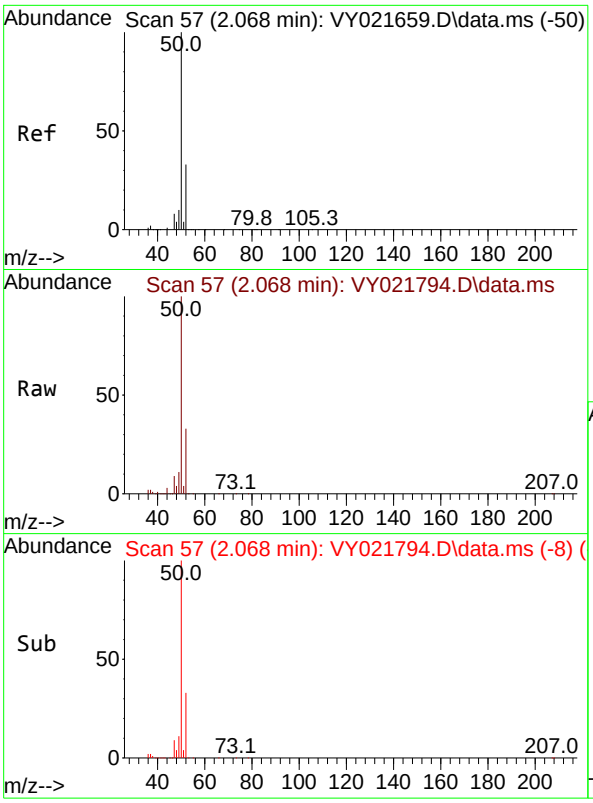


#2
Dichlorodifluoromethane
Concen: 43.574 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 85 Resp: 101543

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6

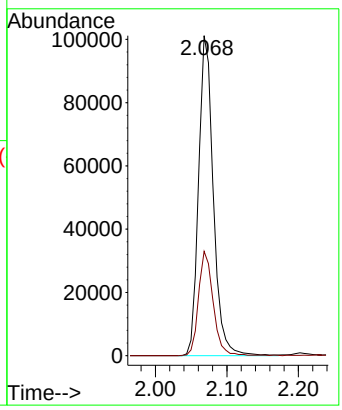




#3
Chloromethane
Concen: 44.137 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 50 Resp: 14462

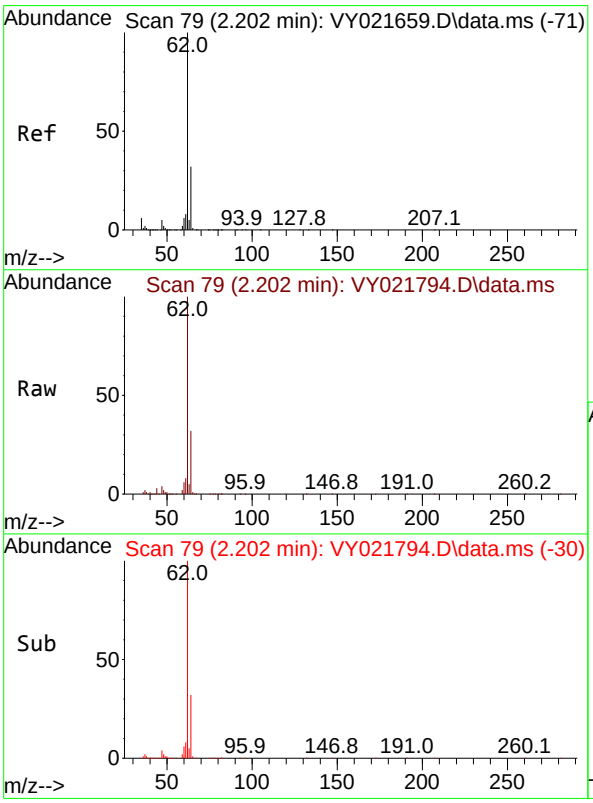
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

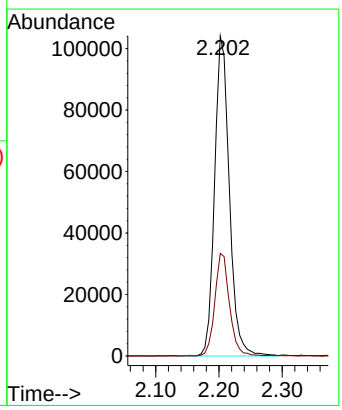
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

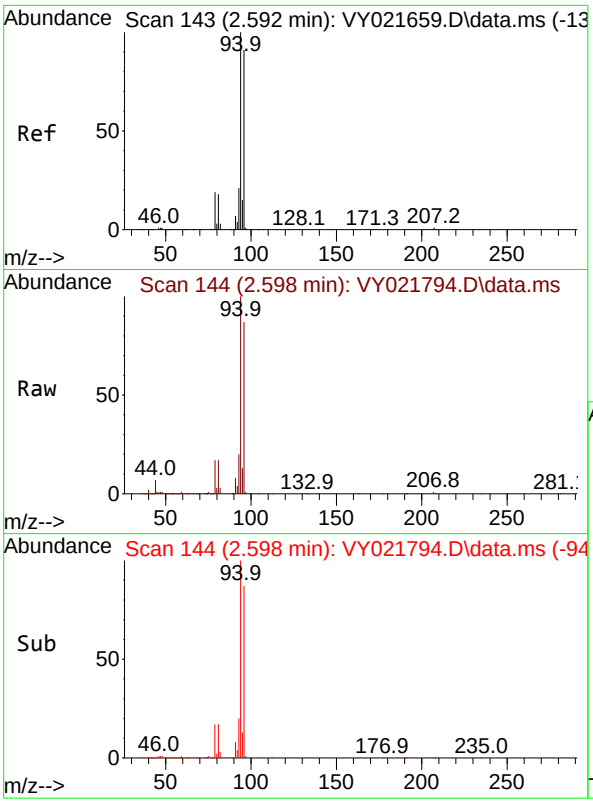


#4
Vinyl Chloride
Concen: 45.392 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 62 Resp: 168210

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.5	38.3

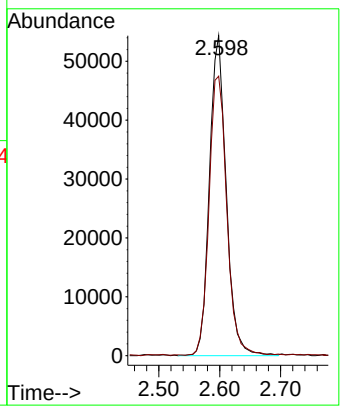




#5
Bromomethane
Concen: 41.042 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 94 Resp: 10373

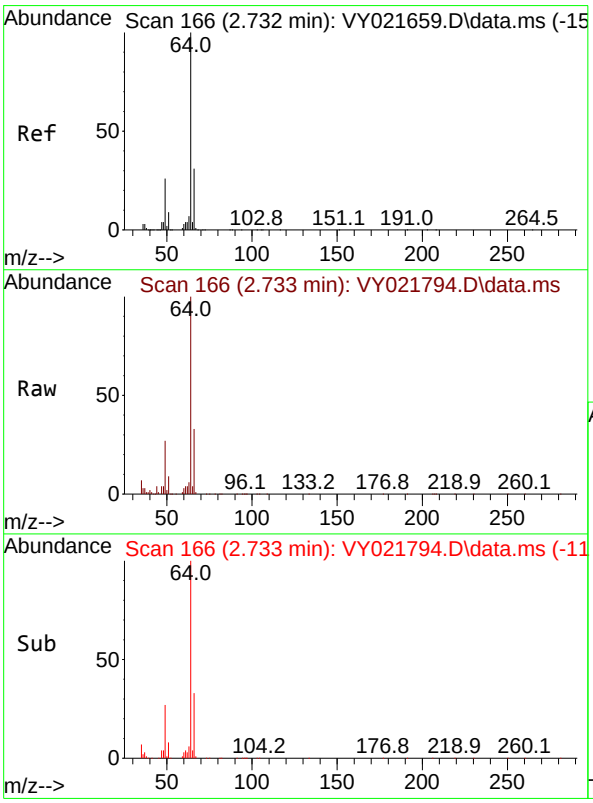
Ion	Ratio	Lower	Upper
94	100		
96	87.1	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

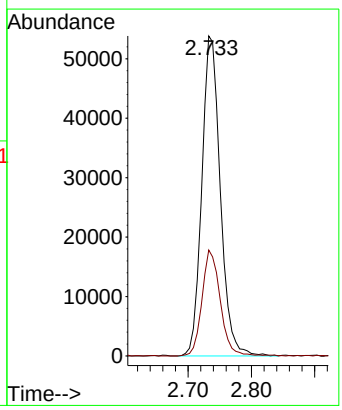
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

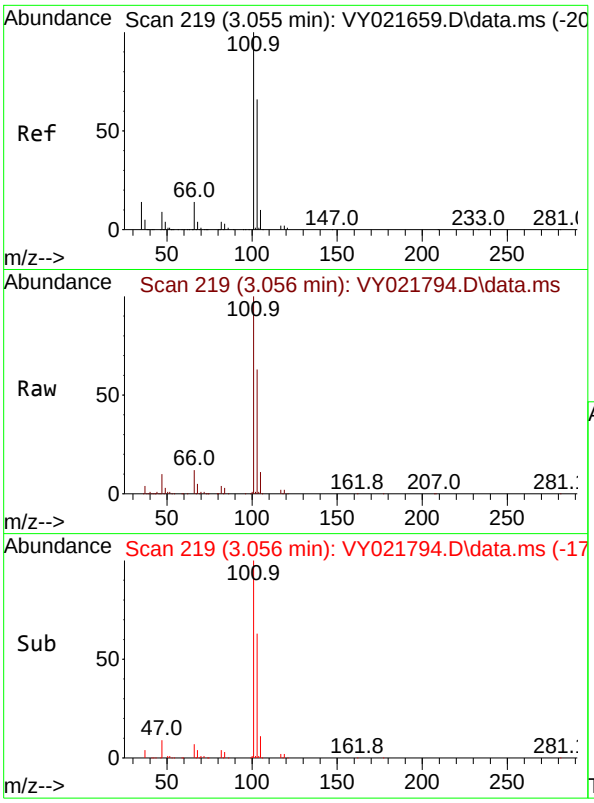


#6
Chloroethane
Concen: 45.220 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 64 Resp: 109653

Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.9	37.3

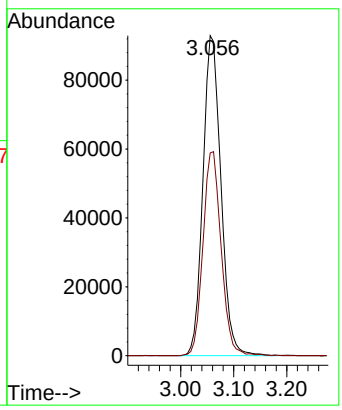




#7
Trichlorofluoromethane
Concen: 46.226 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:101 Resp: 21944

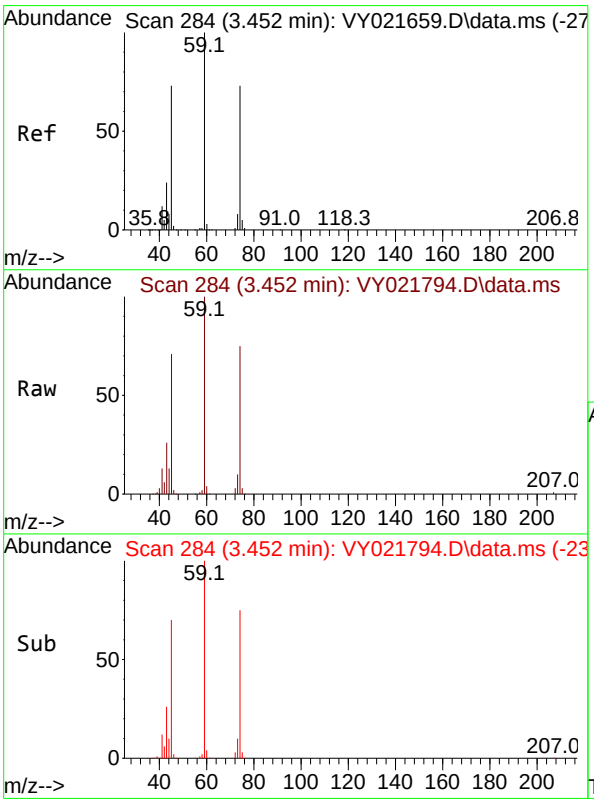
Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

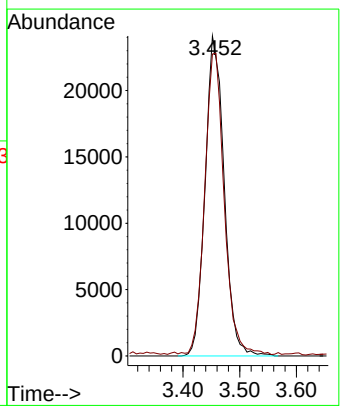
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

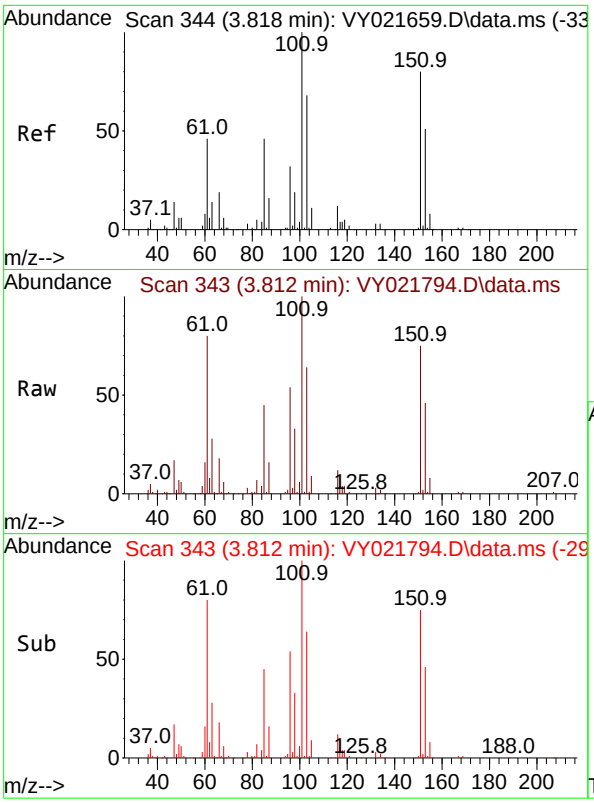


#8
Diethyl Ether
Concen: 43.508 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 74 Resp: 56166

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.358 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

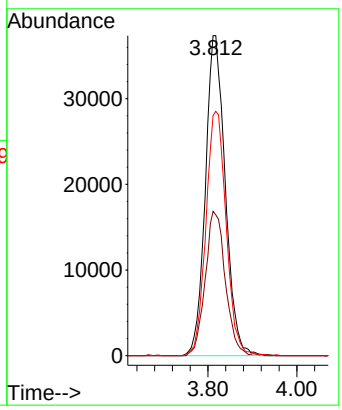
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

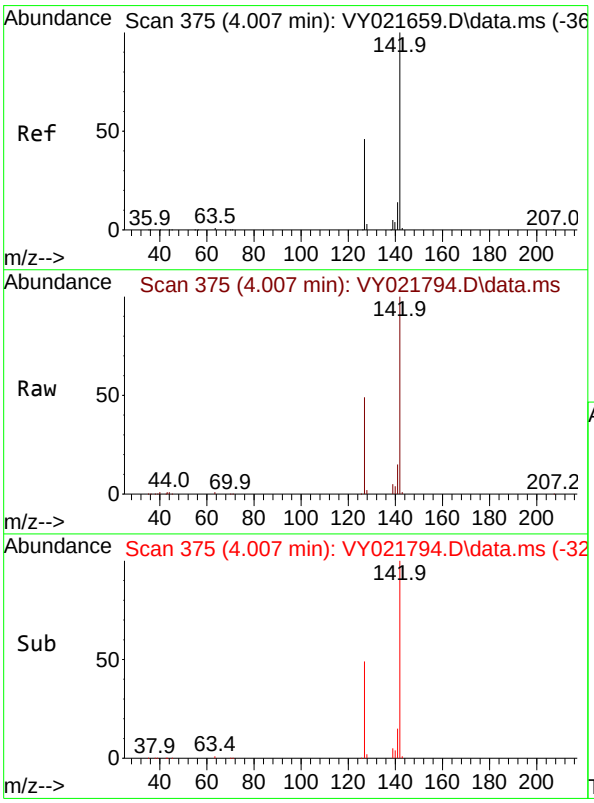
Tgt Ion:101 Resp: 11606

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.3	54.5
151	77.8	61.3	91.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

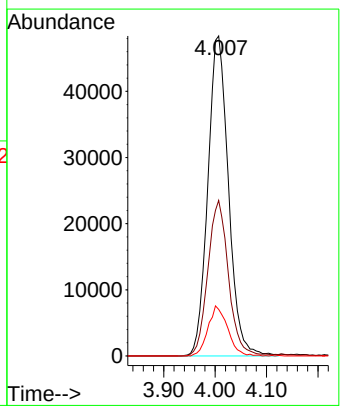


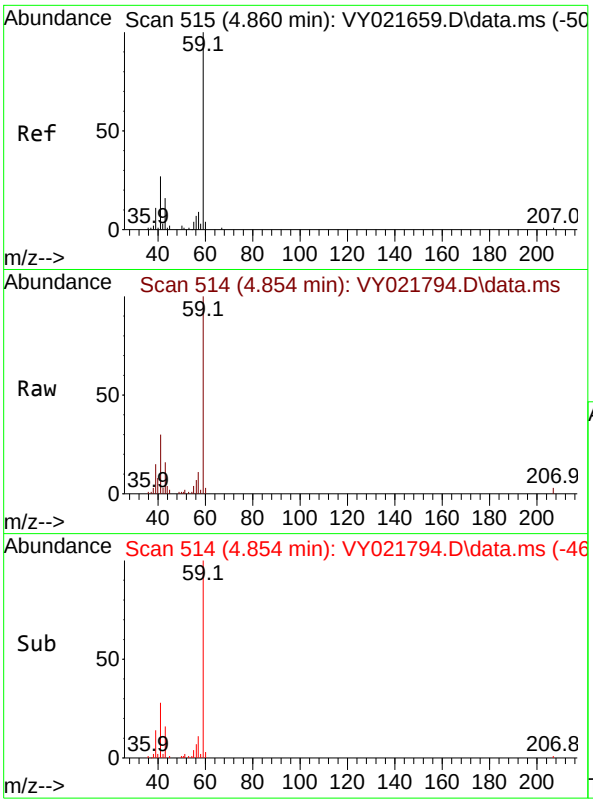


#10
Methyl Iodide
Concen: 49.135 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:142 Resp: 134960

Ion	Ratio	Lower	Upper
142	100		
127	48.6	38.7	58.1
141	14.9	11.5	17.3

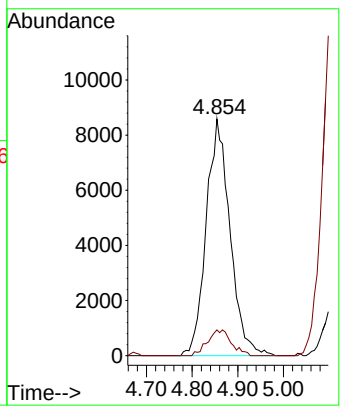




#11
Tert butyl alcohol
Concen: 196.563 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 59 Resp: 3110

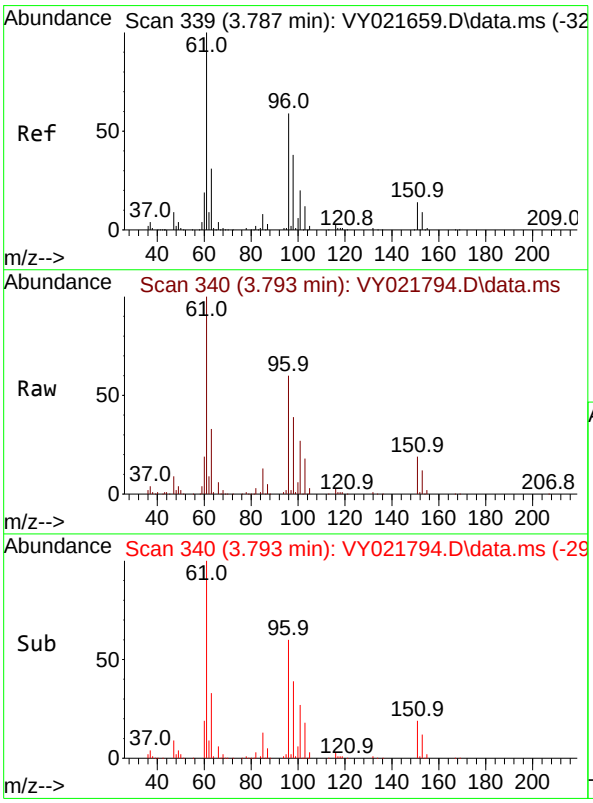
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

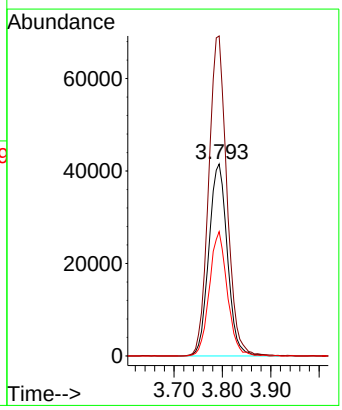
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

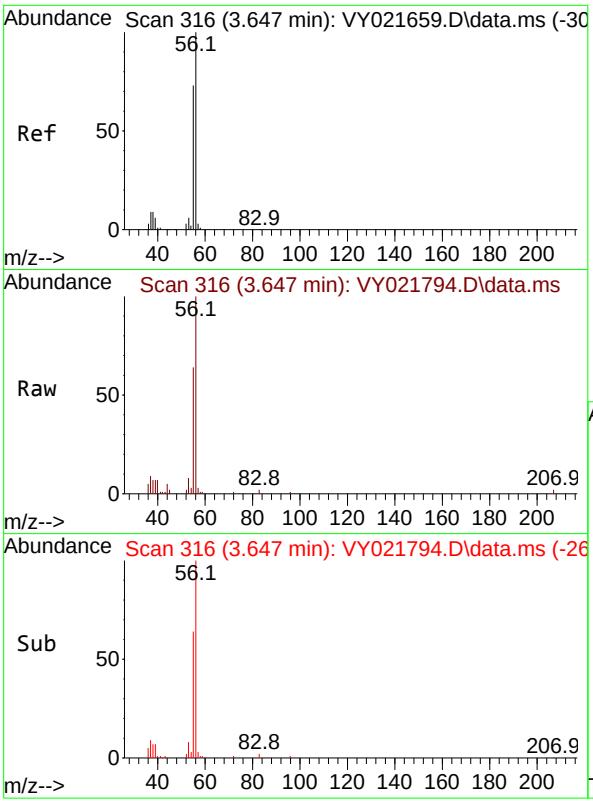


#12
1,1-Dichloroethene
Concen: 46.887 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 96 Resp: 110572

Ion	Ratio	Lower	Upper
96	100		
61	166.7	136.6	204.8
98	64.7	52.3	78.5

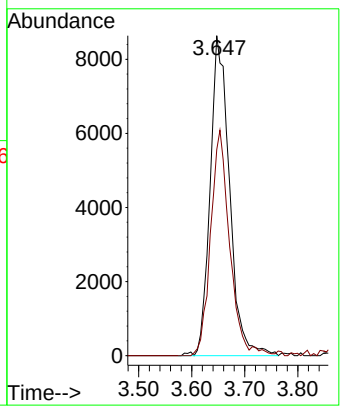




#13
Acrolein
Concen: 75.813 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 56 Resp: 2190

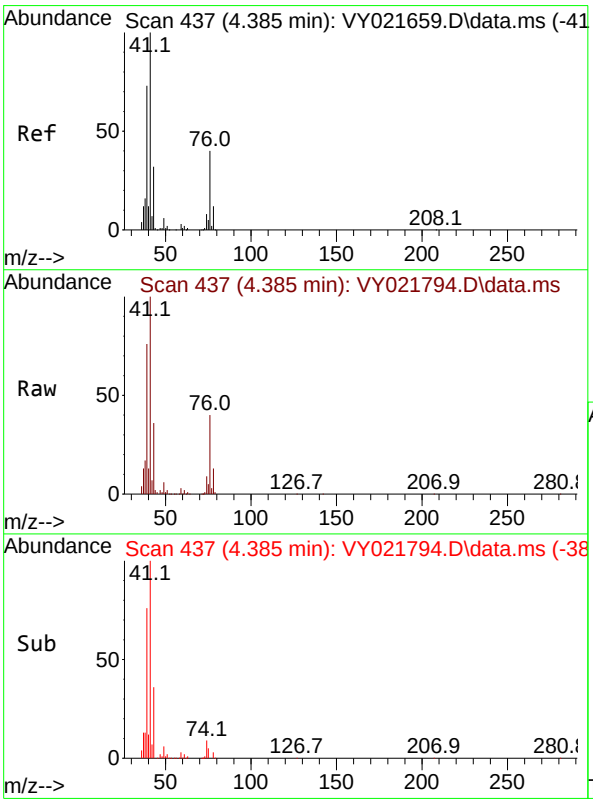
Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

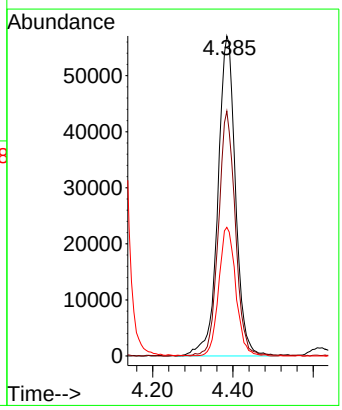
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

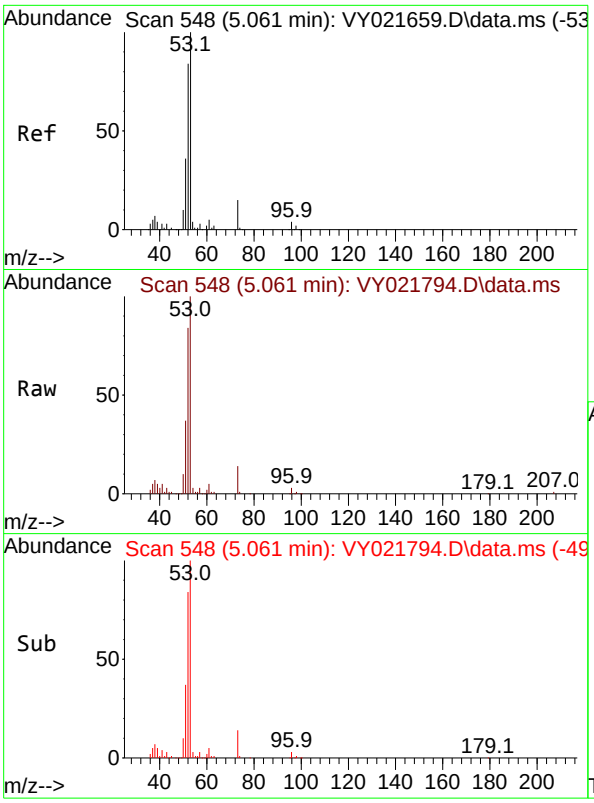


#14
Allyl chloride
Concen: 46.193 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 41 Resp: 173690

Ion	Ratio	Lower	Upper
41	100		
39	73.3	58.6	88.0
76	39.1	30.3	45.5





#15
Acrylonitrile
Concen: 215.889 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

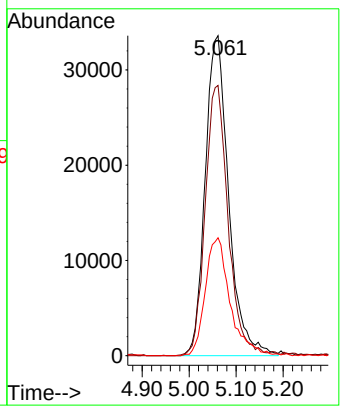
Tgt Ion: 53 Resp: 11636

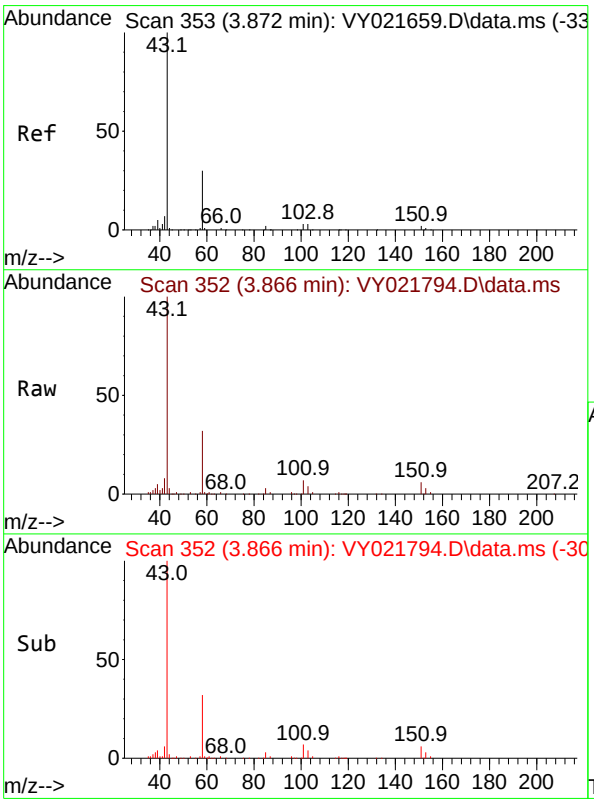
Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.9	97.3
51	39.1	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

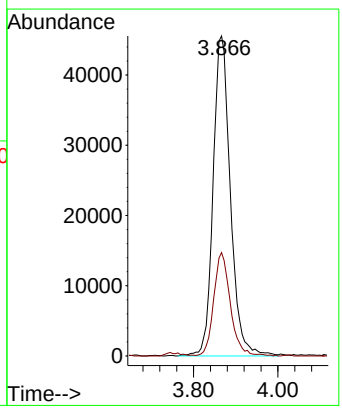


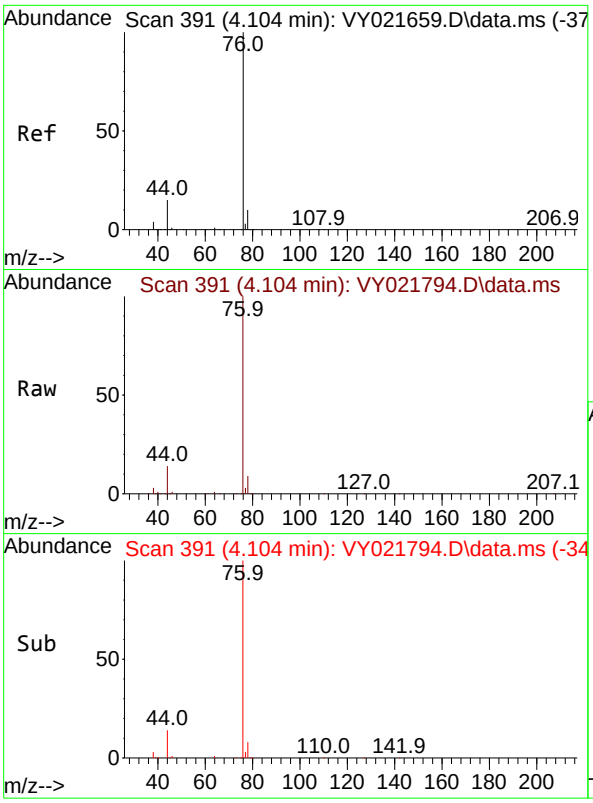


#16
Acetone
Concen: 259.165 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 129207

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.2	36.4

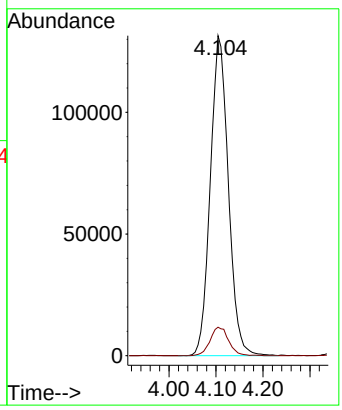




#17
Carbon Disulfide
Concen: 45.073 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 76 Resp: 35010

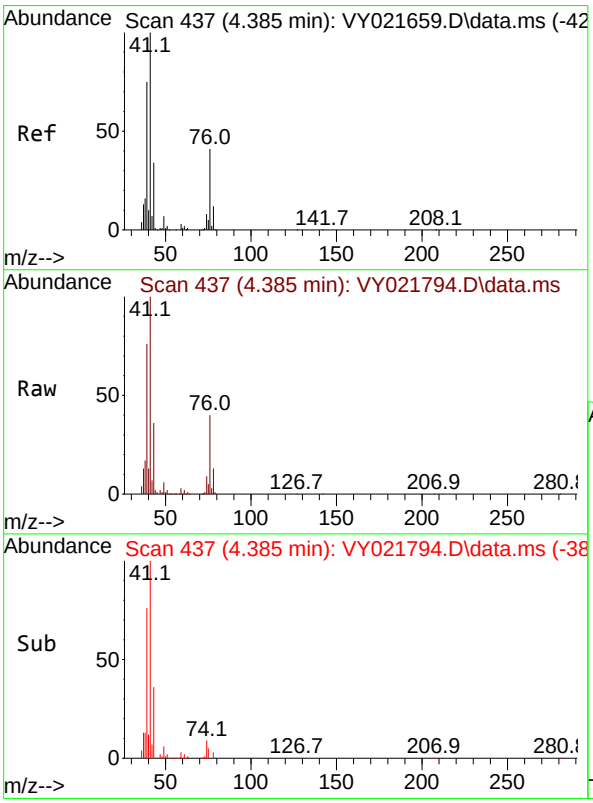
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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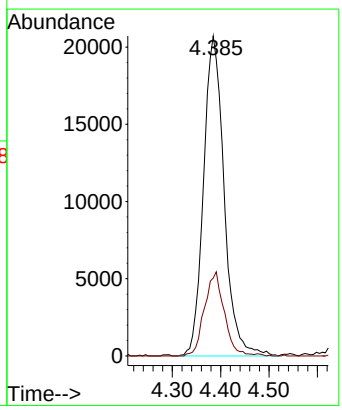
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

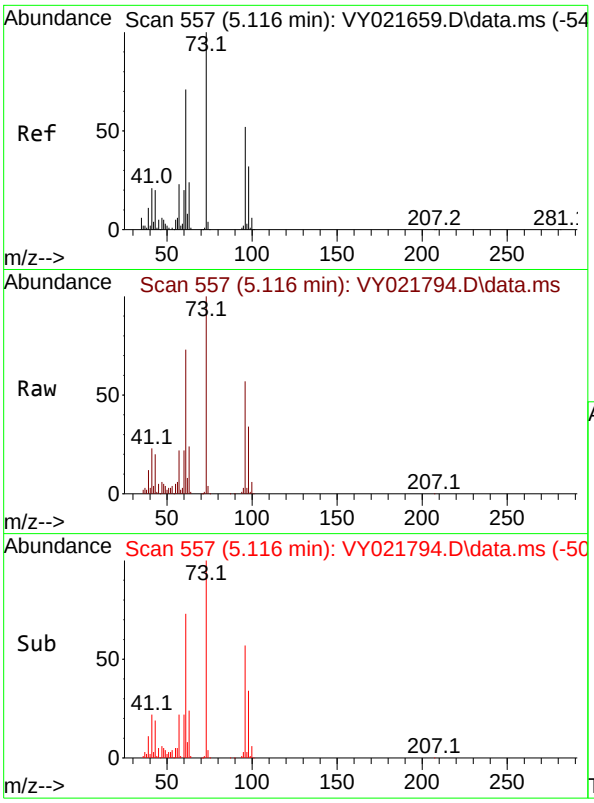


#18
Methyl Acetate
Concen: 49.589 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 61273

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.1	28.7

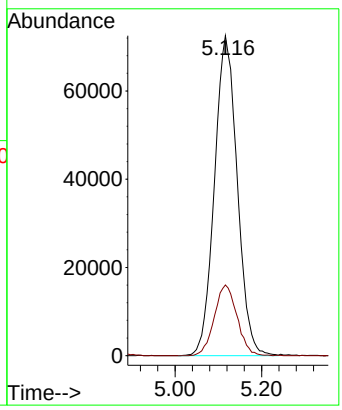




#19
Methyl tert-butyl Ether
Concen: 45.133 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 73 Resp: 26498

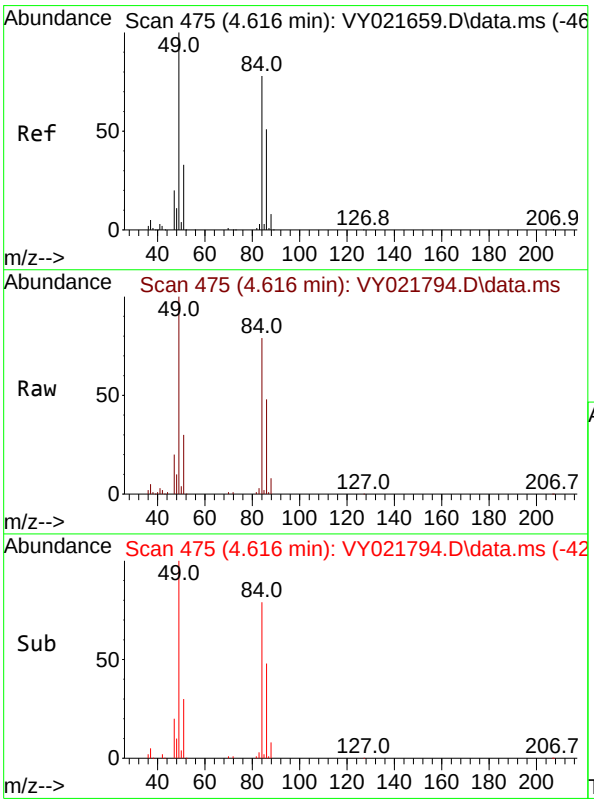
Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

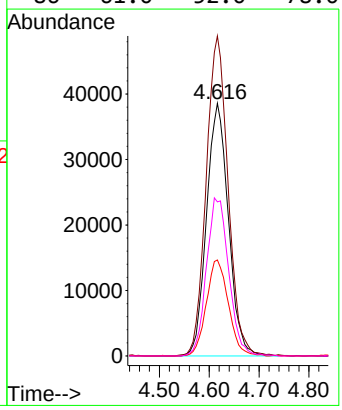
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

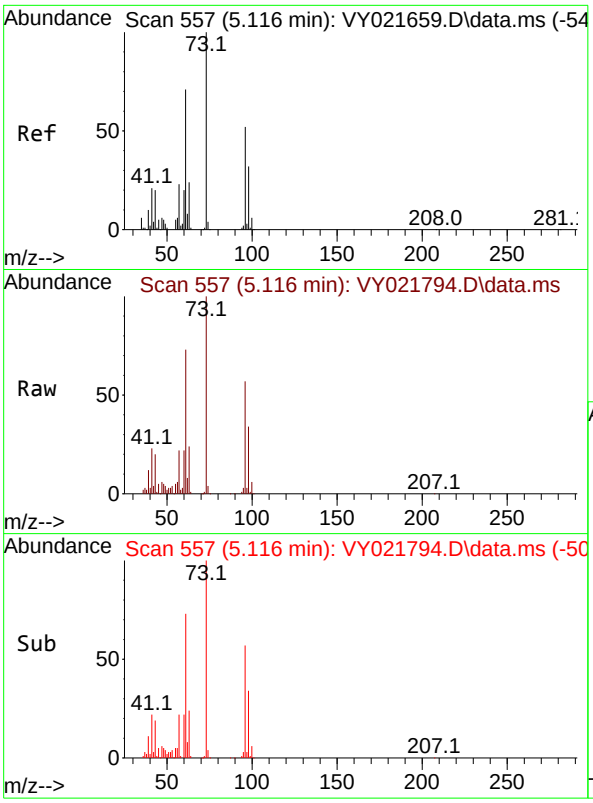


#20
Methylene Chloride
Concen: 48.120 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 84 Resp: 117747

Ion	Ratio	Lower	Upper
84	100		
49	126.4	102.8	154.2
51	38.0	33.5	50.3
86	61.0	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 47.466 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

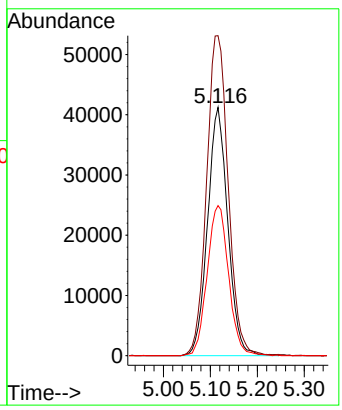
Tgt Ion: 96 Resp: 12324

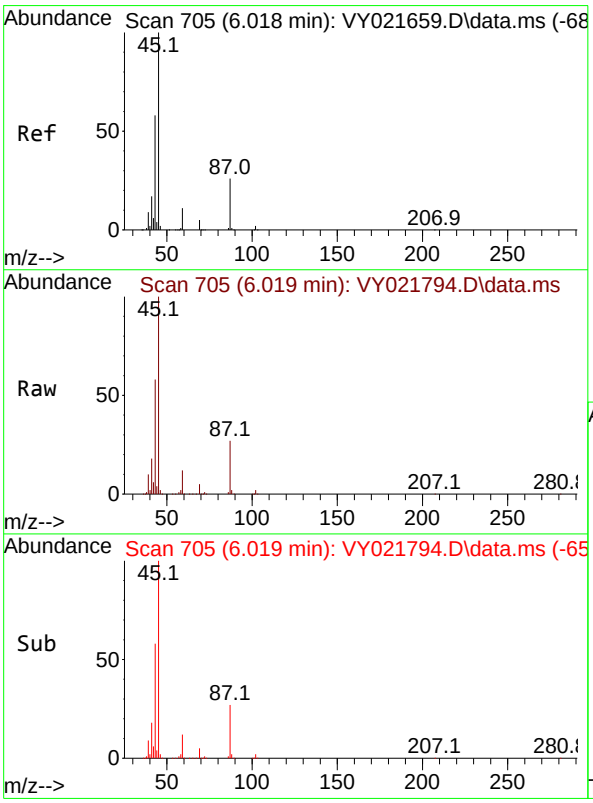
Ion	Ratio	Lower	Upper
96	100		
61	128.9	109.4	164.0
98	60.4	50.2	75.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

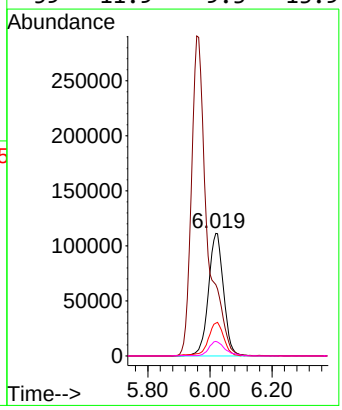


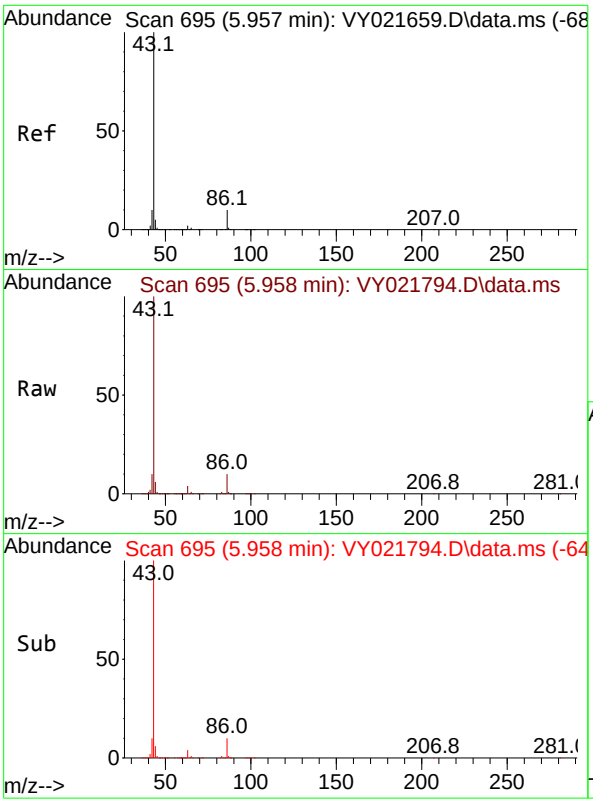


#22
Diisopropyl ether
Concen: 47.619 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 45 Resp: 375600

Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.6	69.8
87	26.8	20.7	31.1
59	11.9	9.3	13.9

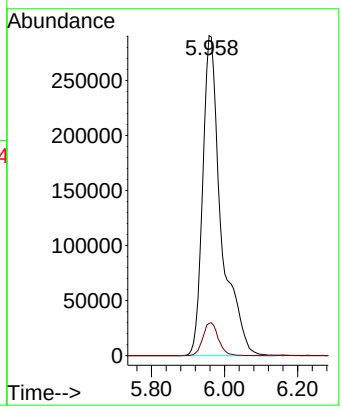




#23
Vinyl Acetate
Concen: 220.822 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 101893

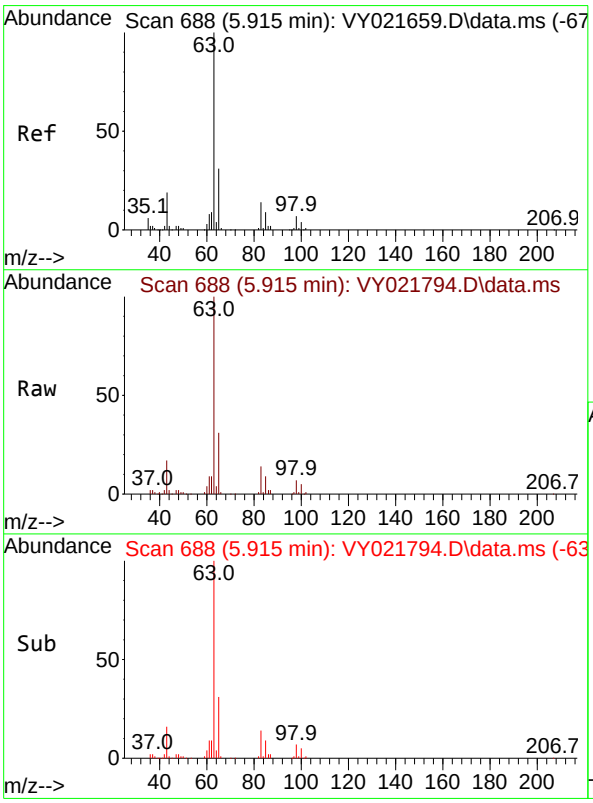
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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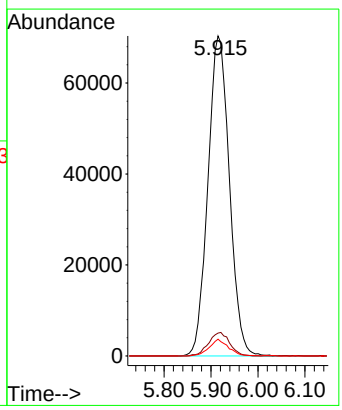
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

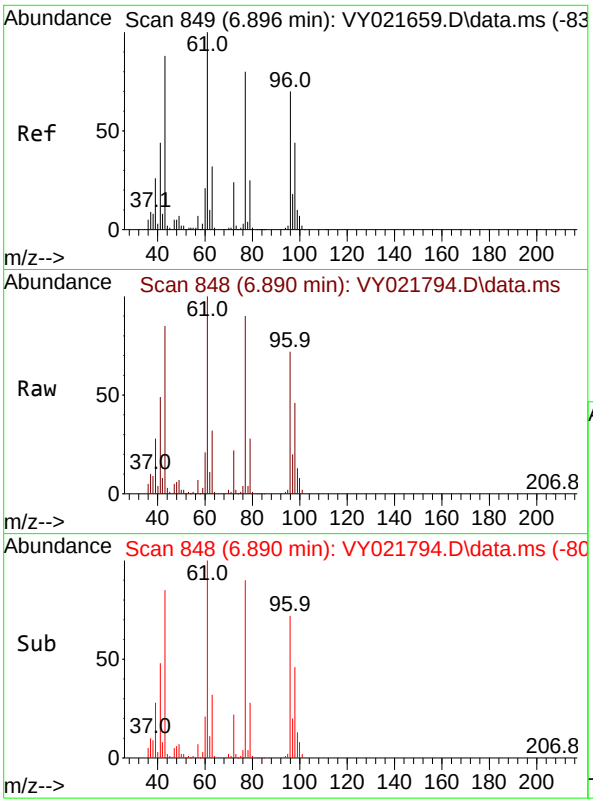


#24
1,1-Dichloroethane
Concen: 47.347 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 223308

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	5.3	2.2	6.6





#25
2-Butanone
Concen: 229.196 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

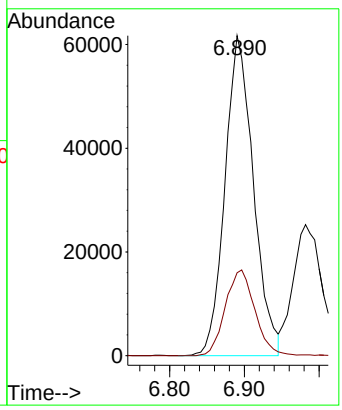
Tgt Ion: 43 Resp: 16320

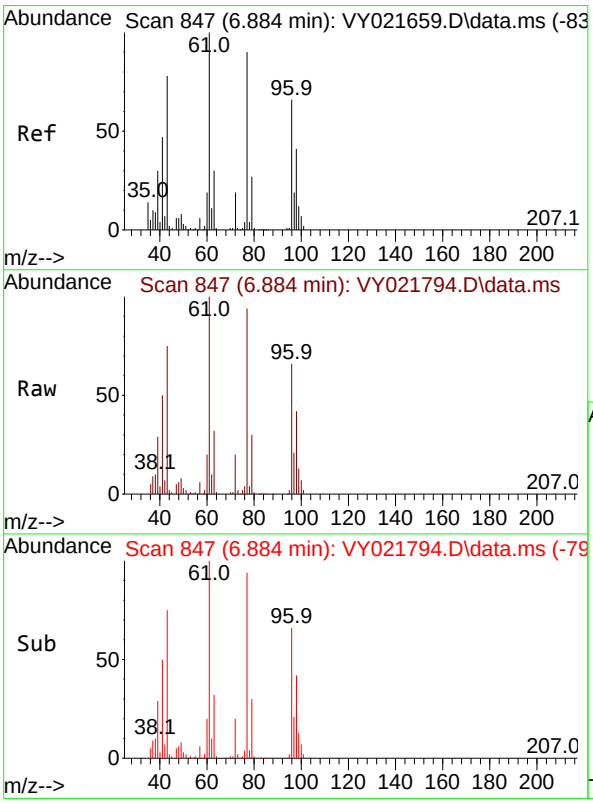
Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

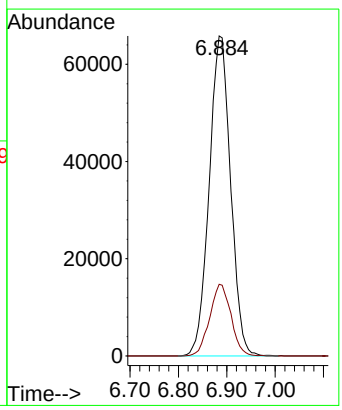


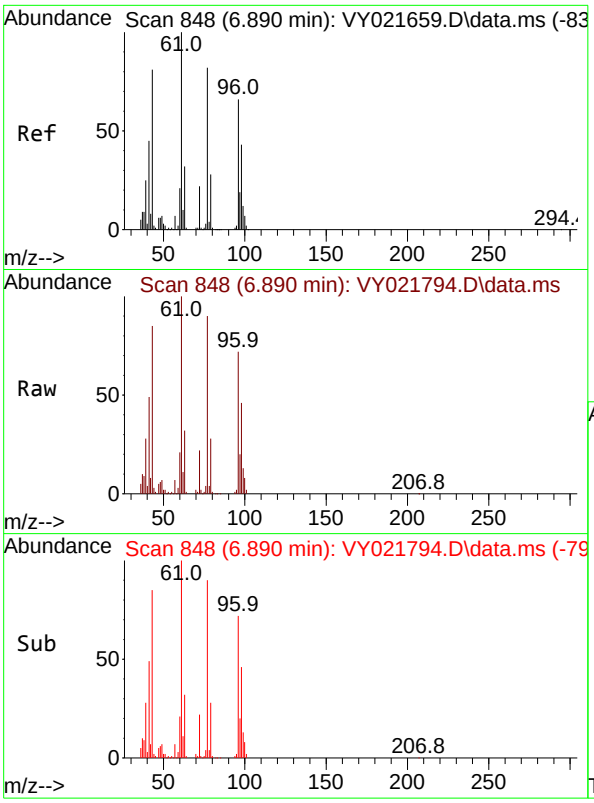


#26
2,2-Dichloropropane
Concen: 48.250 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 77 Resp: 202427

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 47.992 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

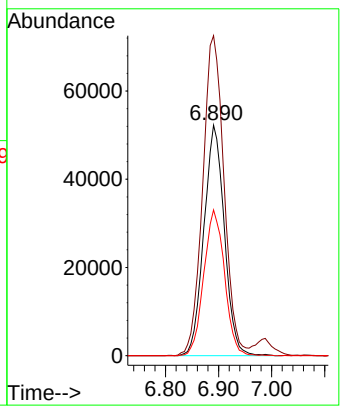
Tgt Ion: 96 Resp: 14013

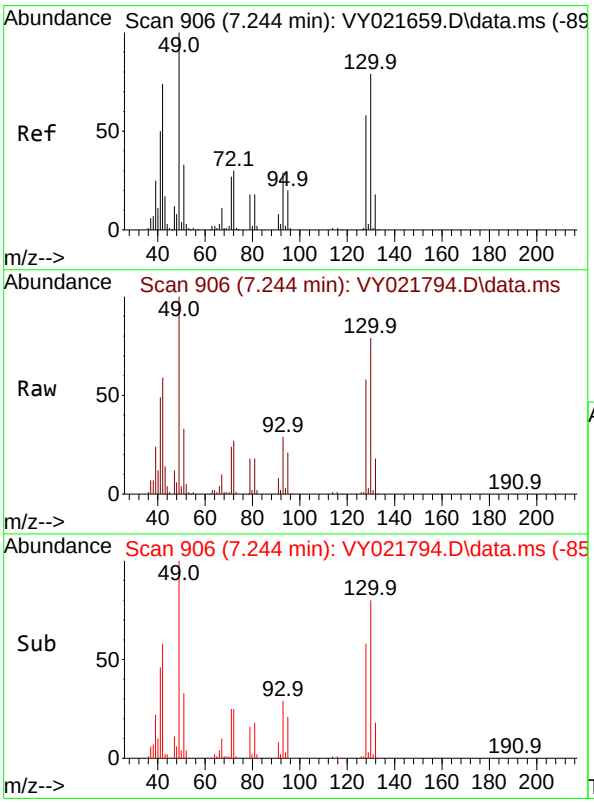
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	296.4
98	64.1	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

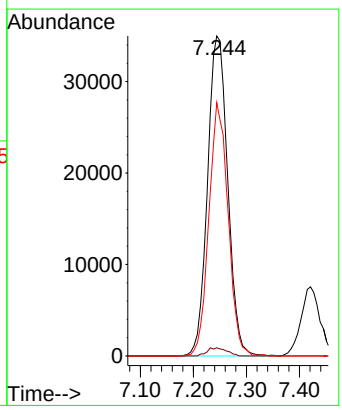


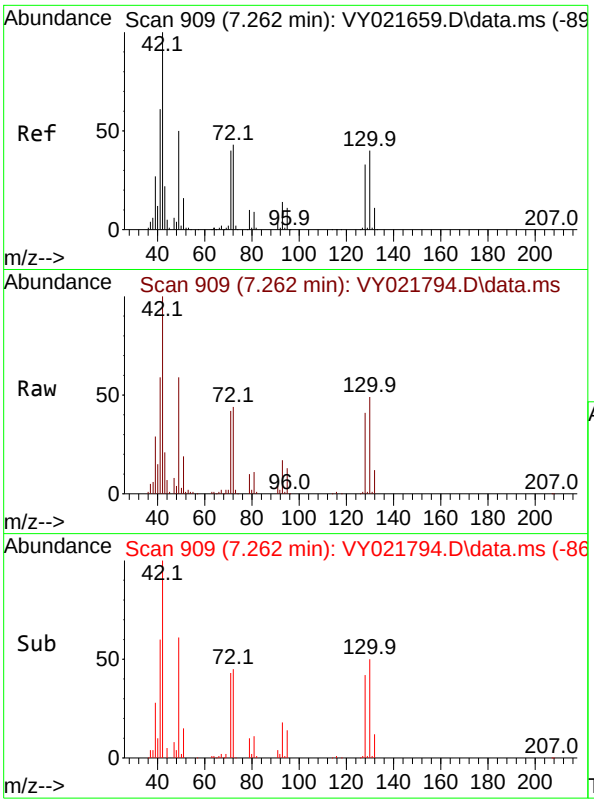


#28
Bromochloromethane
Concen: 46.536 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 49 Resp: 92565

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	75.2	60.1	90.1

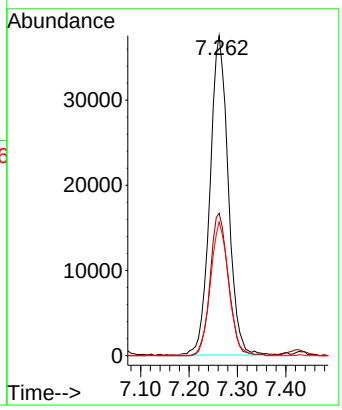




#29
Tetrahydrofuran
Concen: 215.053 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 42 Resp: 9855

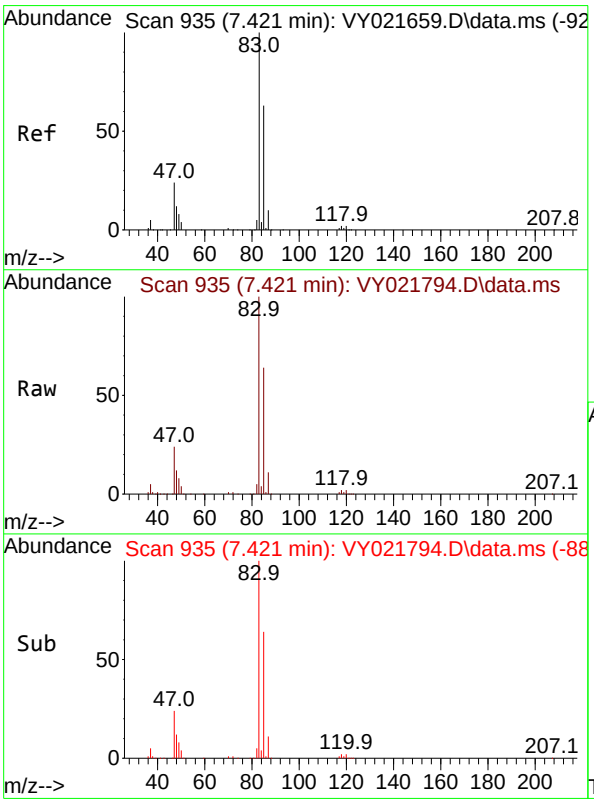
Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	41.9	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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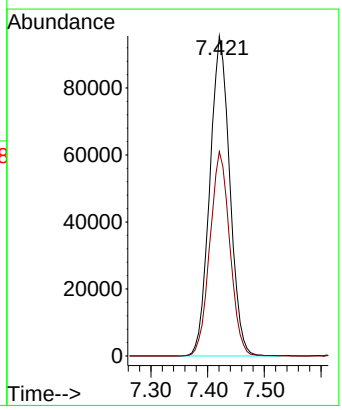
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

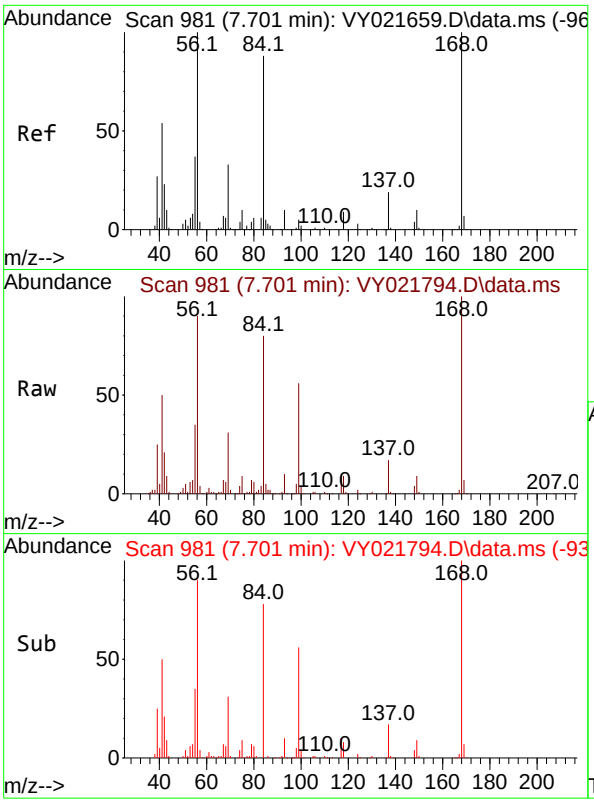


#30
Chloroform
Concen: 47.595 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 83 Resp: 233479

Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8

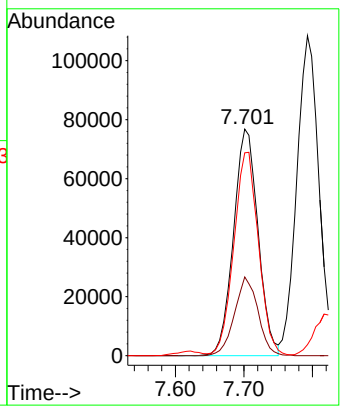




#31
Cyclohexane
Concen: 44.546 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 56 Resp: 19152

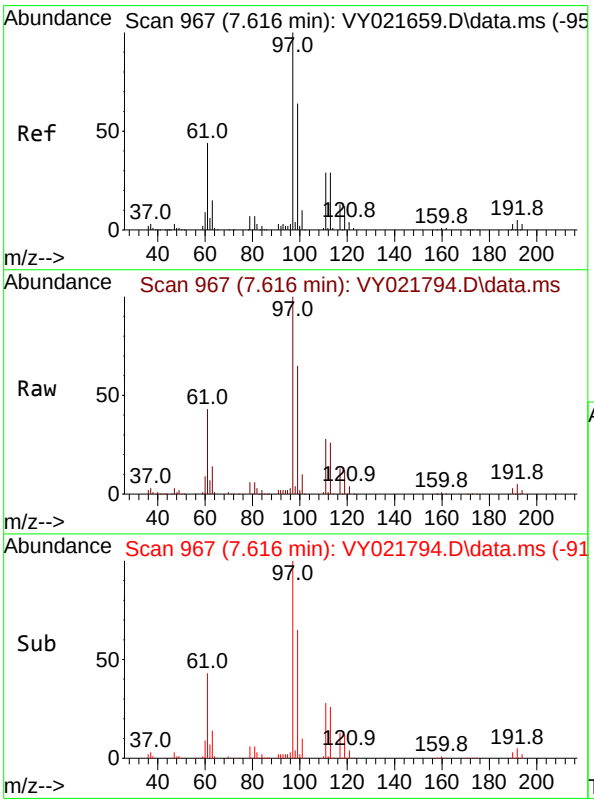
Ion	Ratio	Lower	Upper
56	100		
69	34.7	26.6	40.0
84	88.4	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

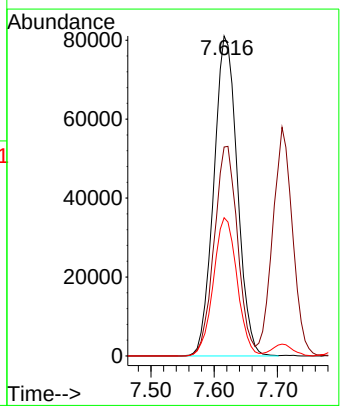
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

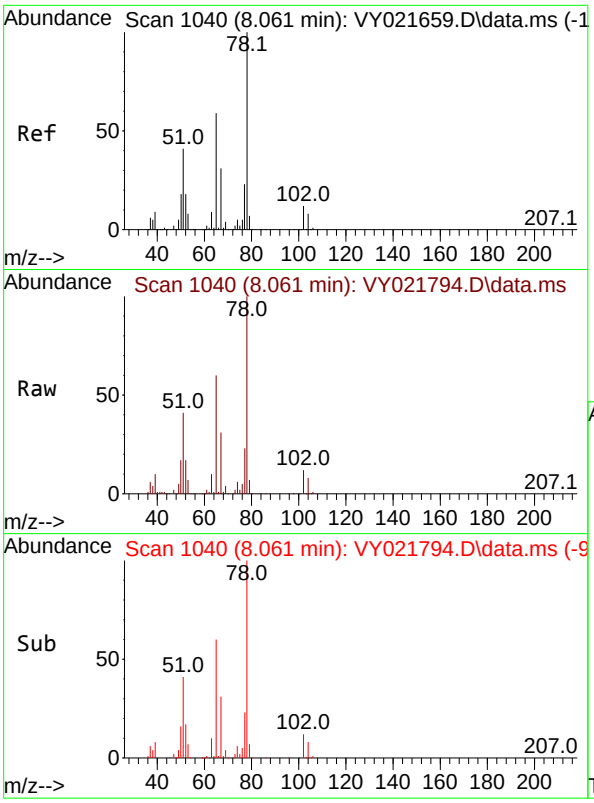


#32
1,1,1-Trichloroethane
Concen: 47.227 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 97 Resp: 209391

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.7	76.1
61	43.4	35.2	52.8

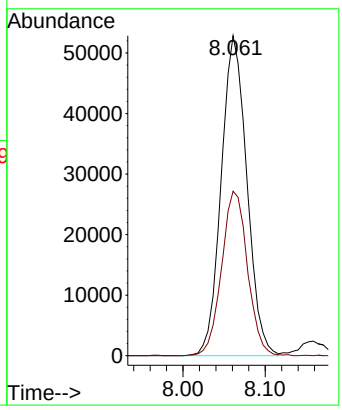




#33
1,2-Dichloroethane-d4
Concen: 47.075 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 65 Resp: 11467

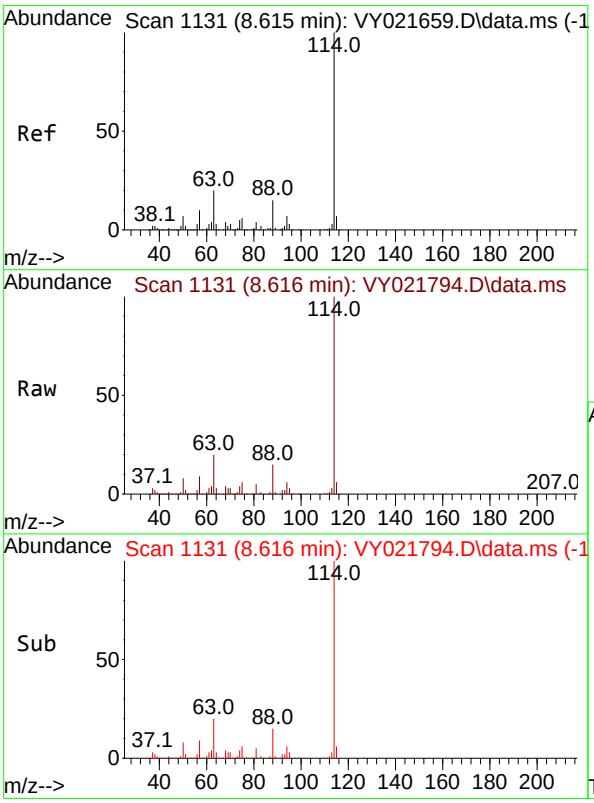
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

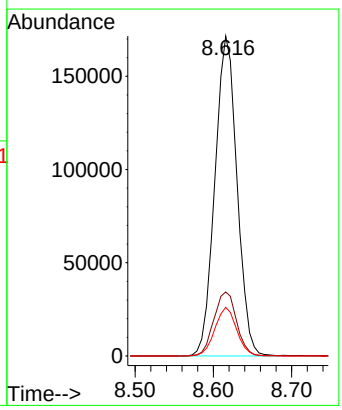
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

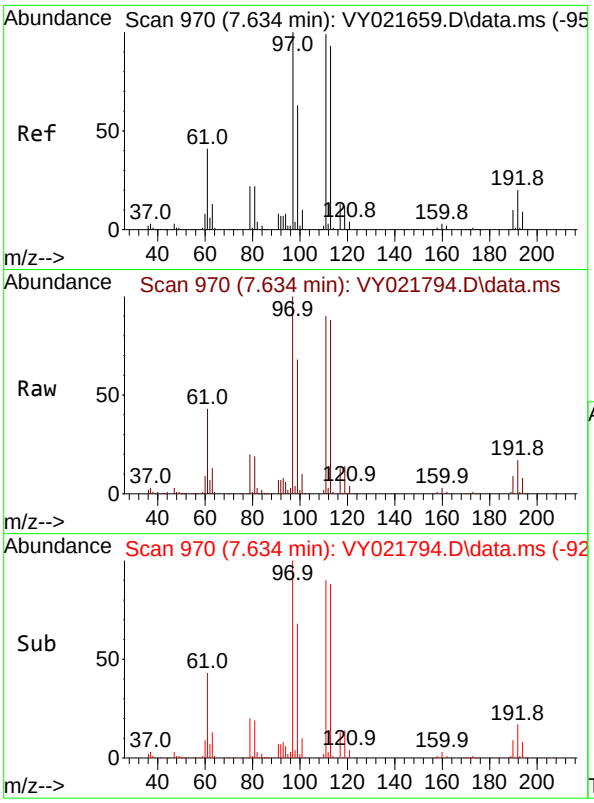


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:114 Resp: 336981

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.2
88	15.2	0.0	29.8

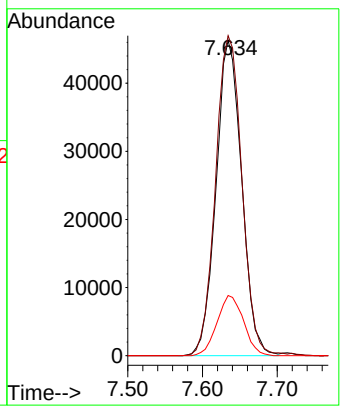




#35
Dibromofluoromethane
Concen: 50.509 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:113 Resp: 11040

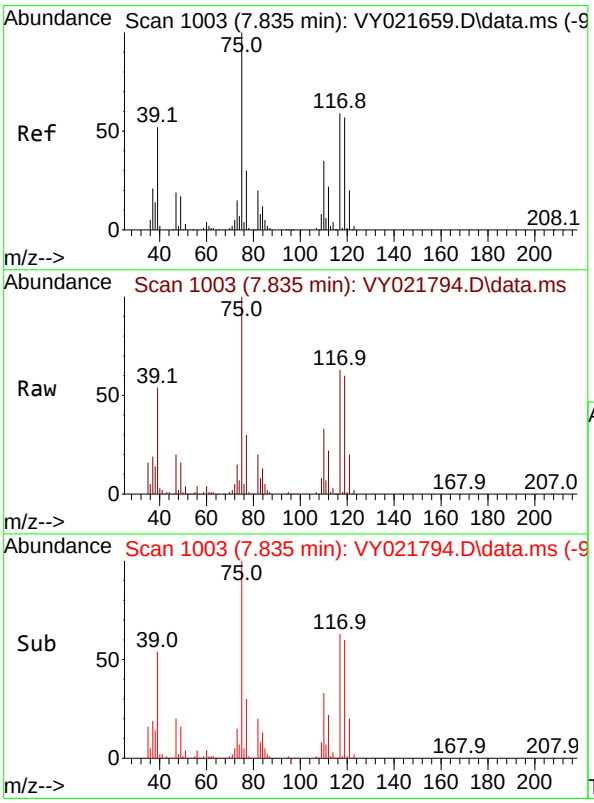
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	123.8
192	19.7	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

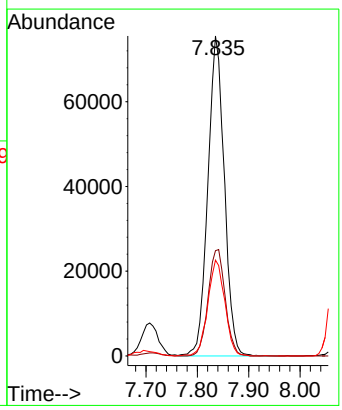
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

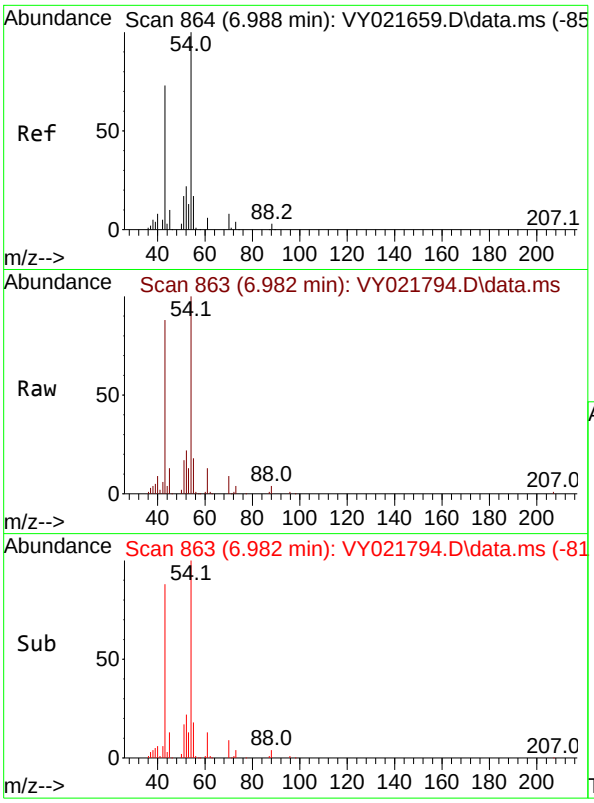


#36
1,1-Dichloropropene
Concen: 50.545 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 168291

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	50.9
77	31.0	24.8	37.2





#37
Ethyl Acetate
Concen: 44.251 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

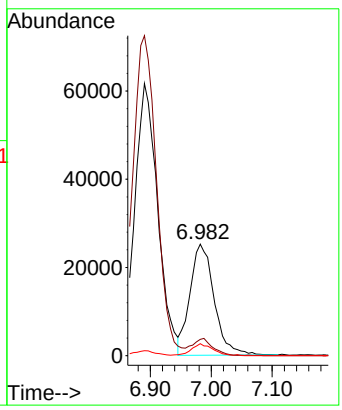
Tgt Ion: 43 Resp: 6953

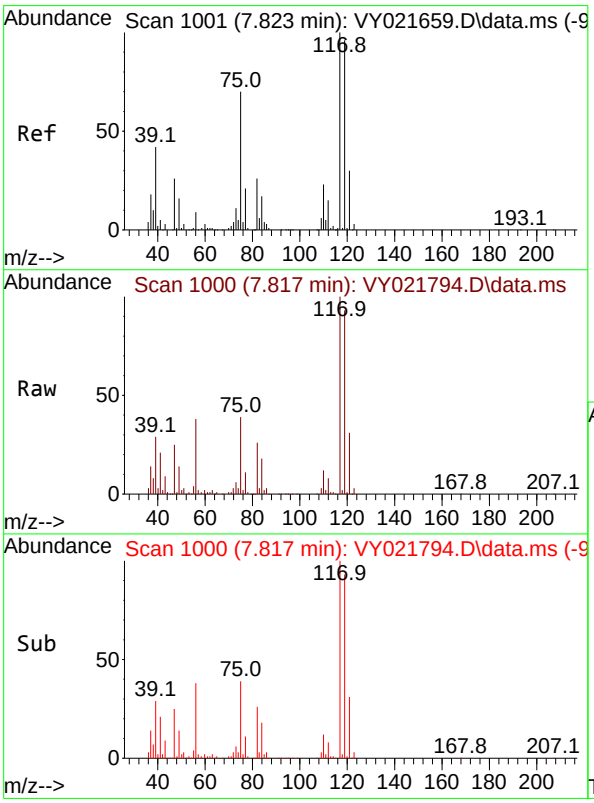
Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.0	16.6
70	9.6	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

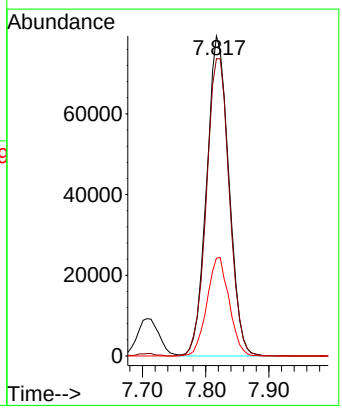


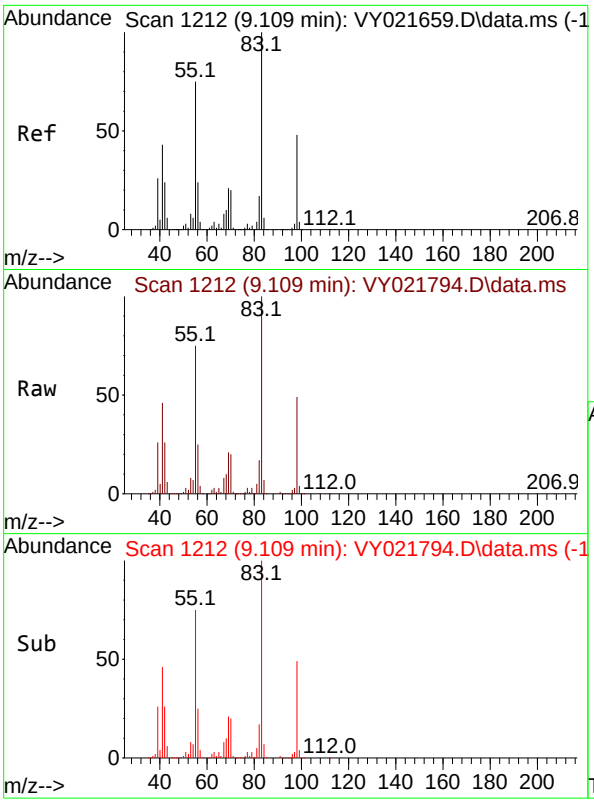


#38
Carbon Tetrachloride
Concen: 50.753 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:117 Resp: 193545

Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.2	114.4
121	30.6	24.2	36.4





#39
Methylcyclohexane
Concen: 48.886 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

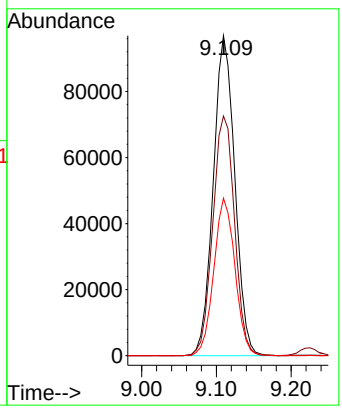
Tgt Ion: 83 Resp: 19444

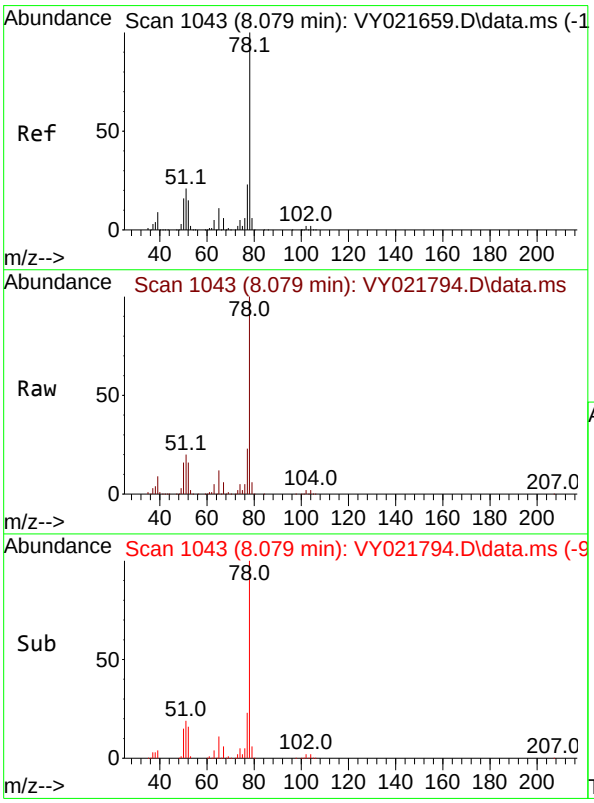
Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.7	89.5
98	49.2	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

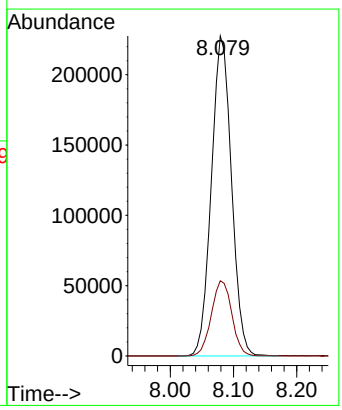


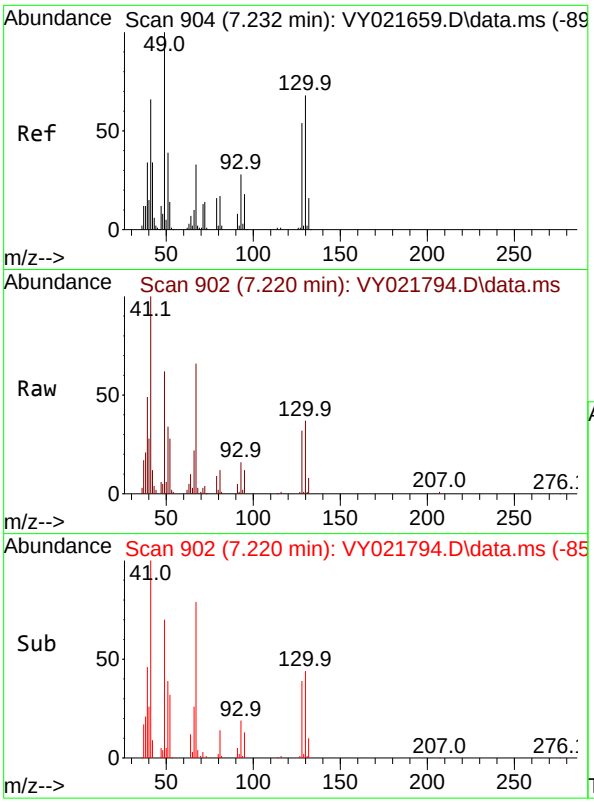


#40
Benzene
Concen: 50.325 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 78 Resp: 501796

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

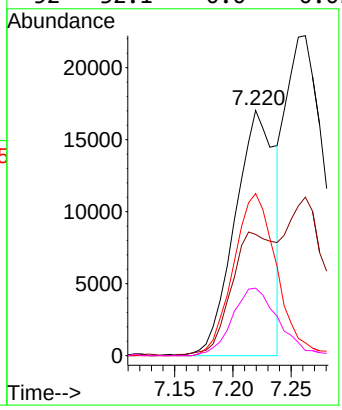




#41
Methacrylonitrile
Concen: 49.076 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 41 Resp: 4095

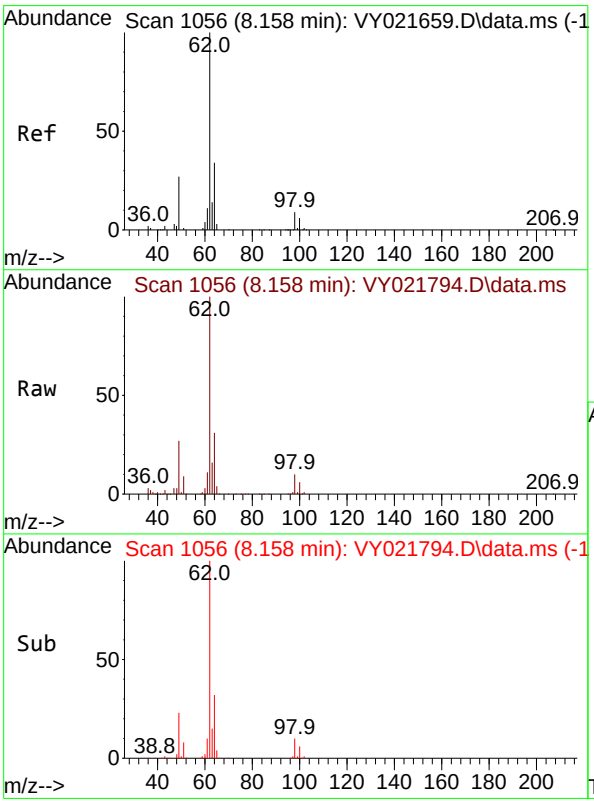
Ion	Ratio	Lower	Upper
41	100		
39	55.1	0.0	0.0#
67	71.1	0.0	0.0#
52	32.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

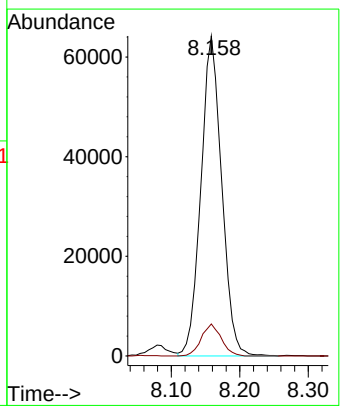
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

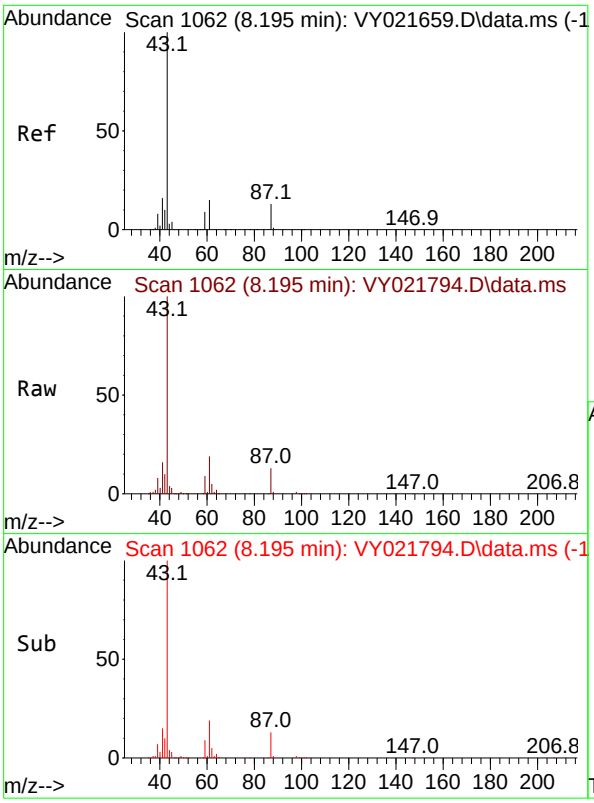


#42
1,2-Dichloroethane
Concen: 48.260 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 62 Resp: 135660

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4

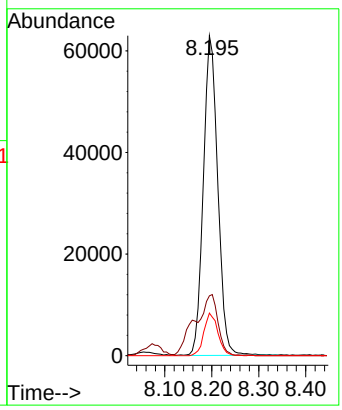




#43
Isopropyl Acetate
Concen: 44.885 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 13366

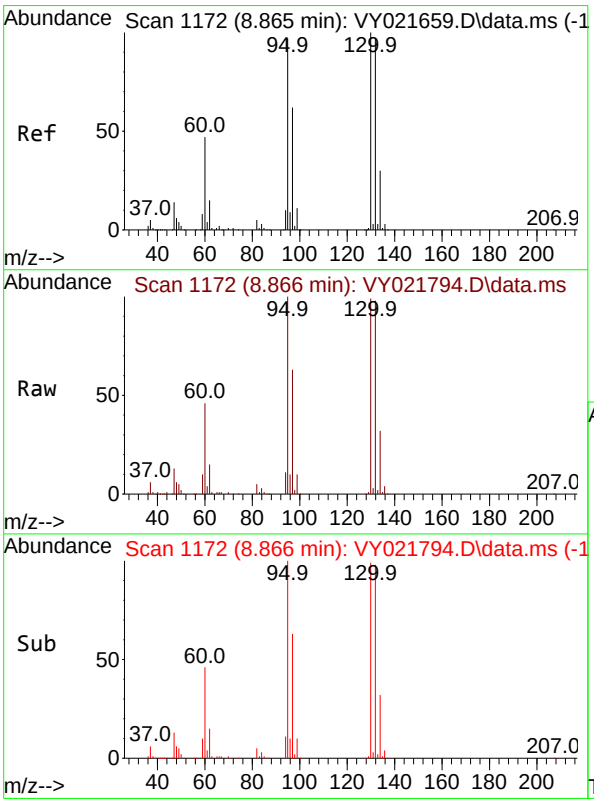
Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.9	23.9
87	13.0	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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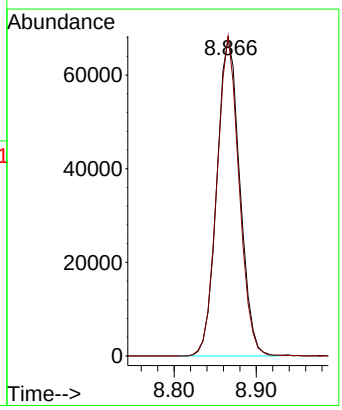
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

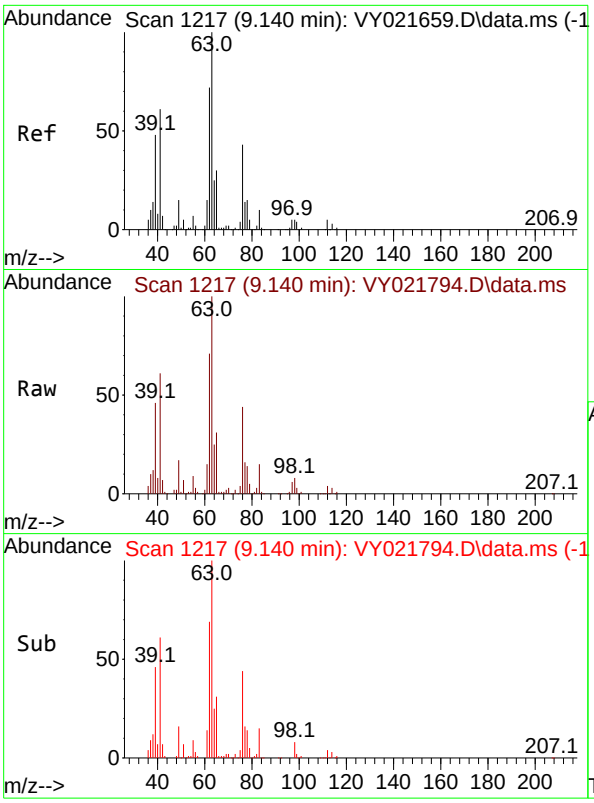


#44
Trichloroethene
Concen: 51.817 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:130 Resp: 131643

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	194.8

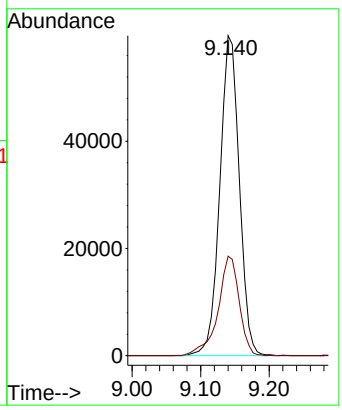




#45
1,2-Dichloropropane
Concen: 49.831 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 11761

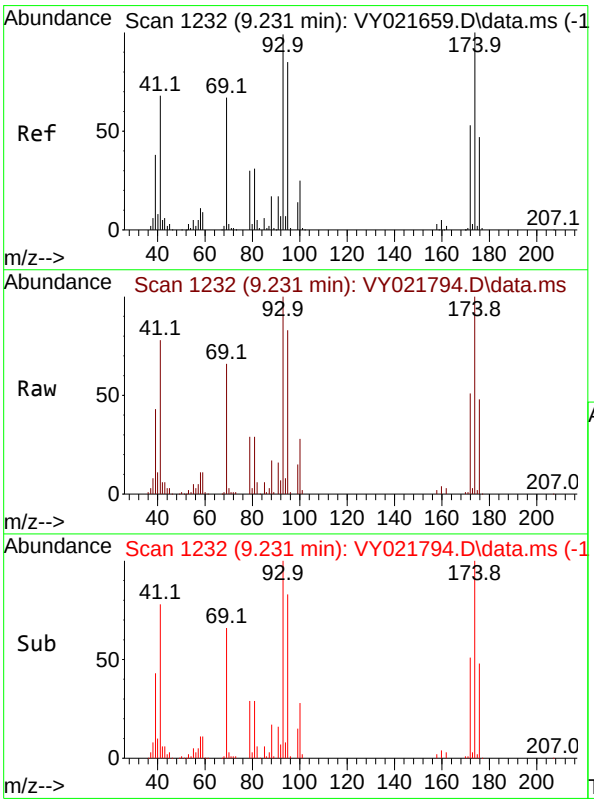
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

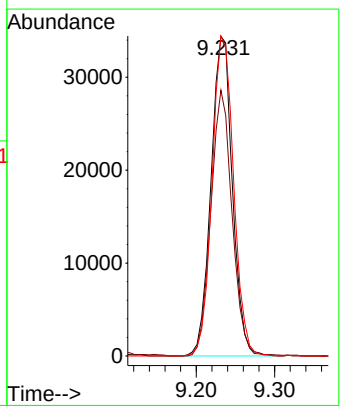
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

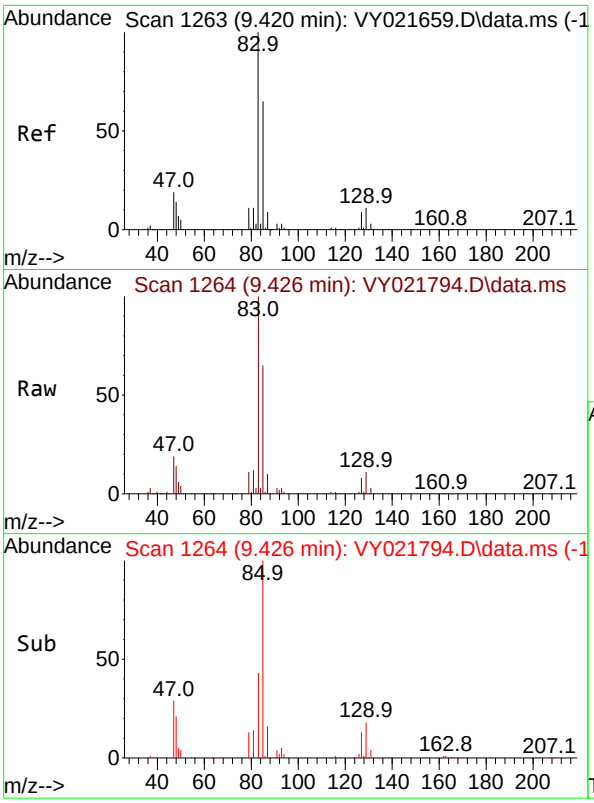


#46
Dibromomethane
Concen: 48.034 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 93 Resp: 65338

Ion	Ratio	Lower	Upper
93	100		
95	82.2	68.1	102.1
174	100.8	80.9	121.3

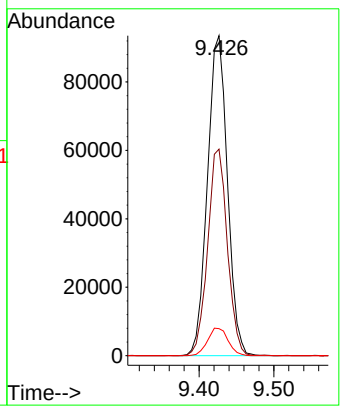




#47
Bromodichloromethane
Concen: 49.419 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 83 Resp: 17418

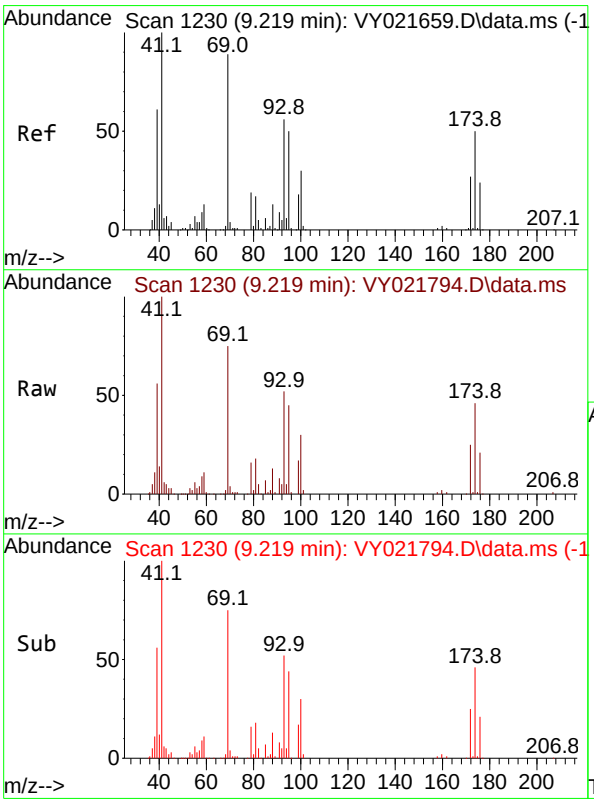
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

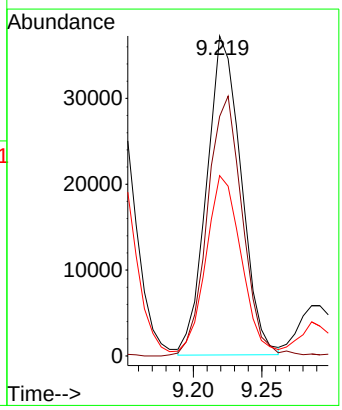
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

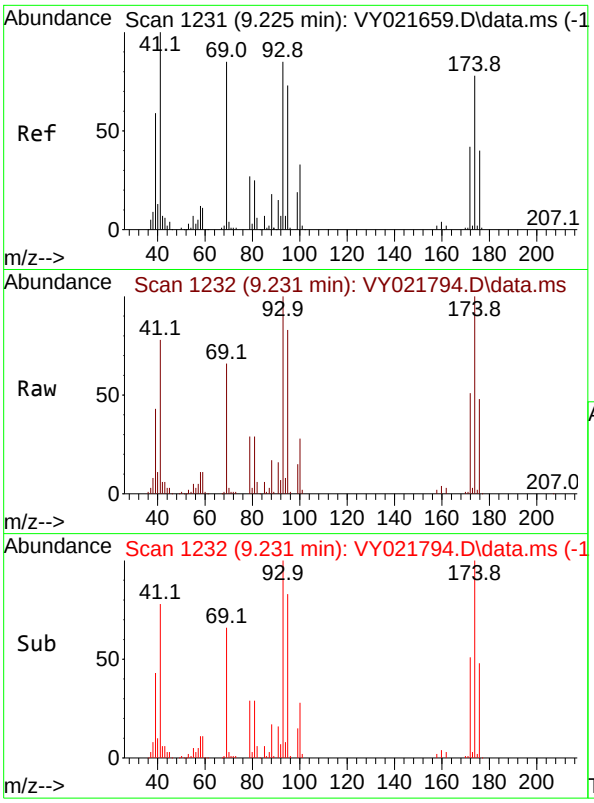


#48
Methyl methacrylate
Concen: 47.453 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 41 Resp: 64853

Ion	Ratio	Lower	Upper
41	100		
69	83.0	69.8	104.8
39	55.7	47.2	70.8

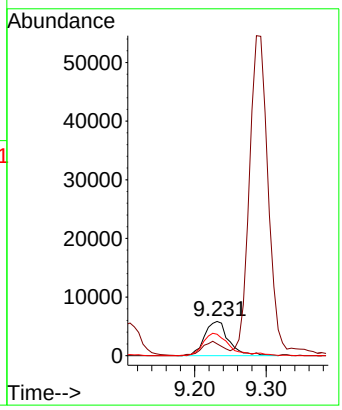




#49
1,4-Dioxane
Concen: 936.467 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 88 Resp: 1364

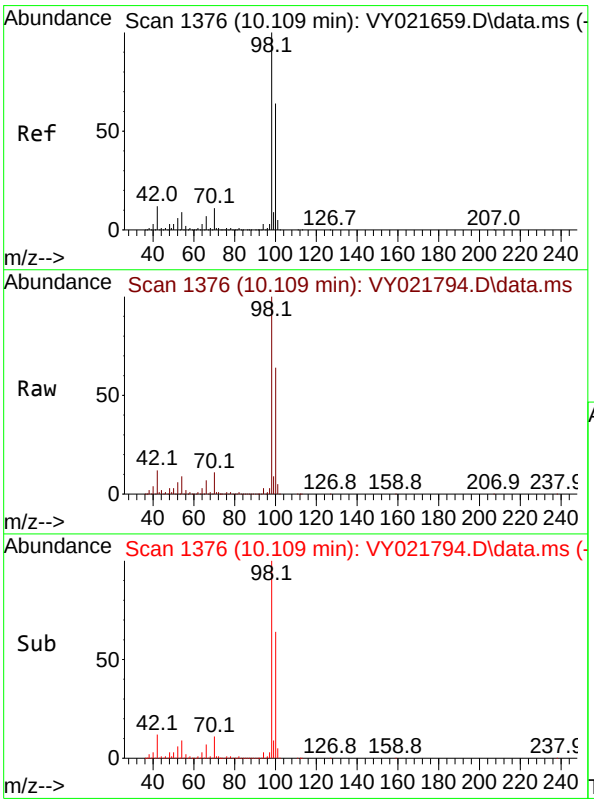
Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.8	43.2
58	68.3	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

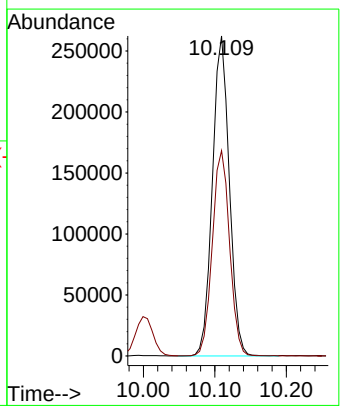
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

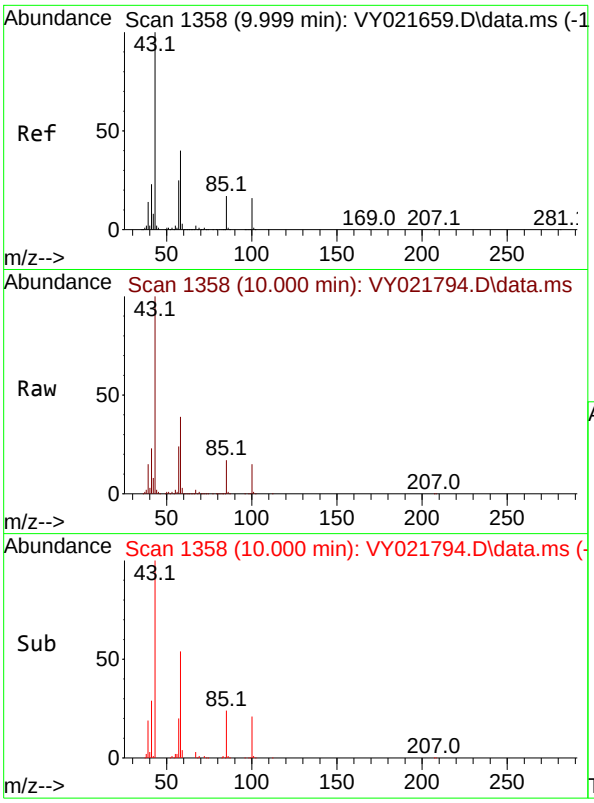


#50
Toluene-d8
Concen: 51.740 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 98 Resp: 430269

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1

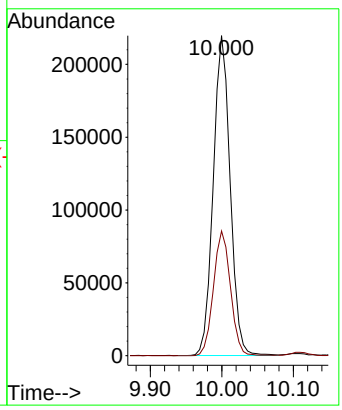




#51
4-Methyl-2-Pentanone
Concen: 232.887 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 36089

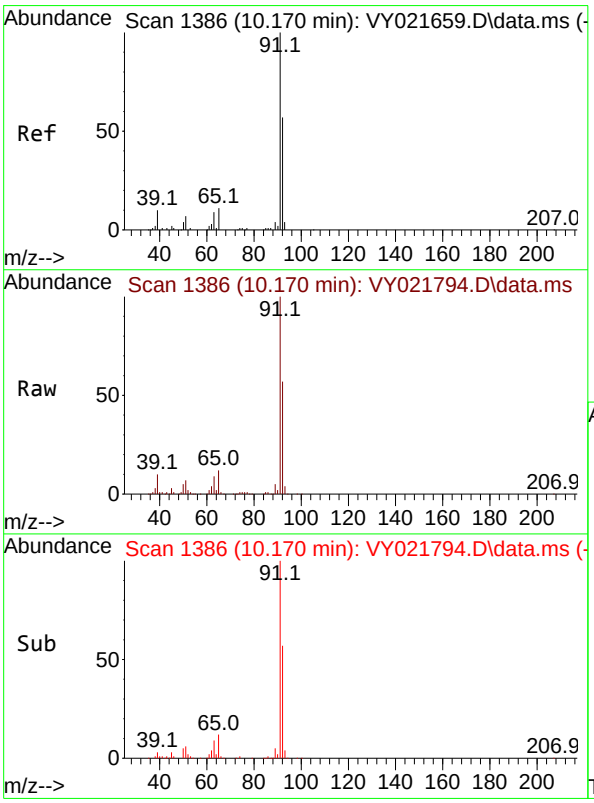
Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

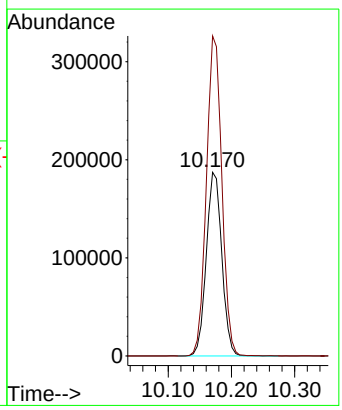
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

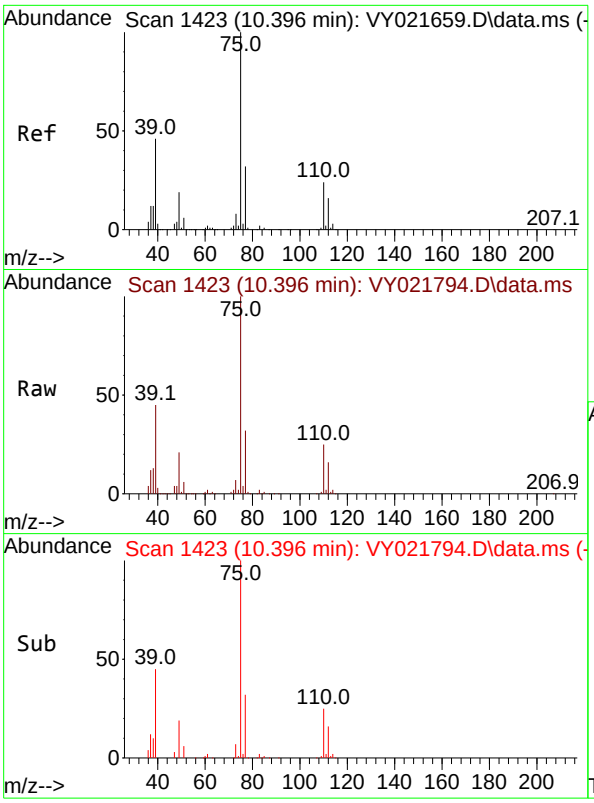


#52
Toluene
Concen: 51.304 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 92 Resp: 319169

Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.6	207.8

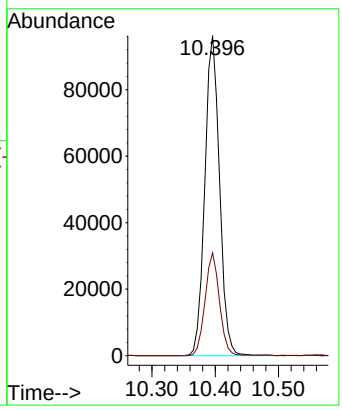




#53
t-1,3-Dichloropropene
Concen: 49.804 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 15592

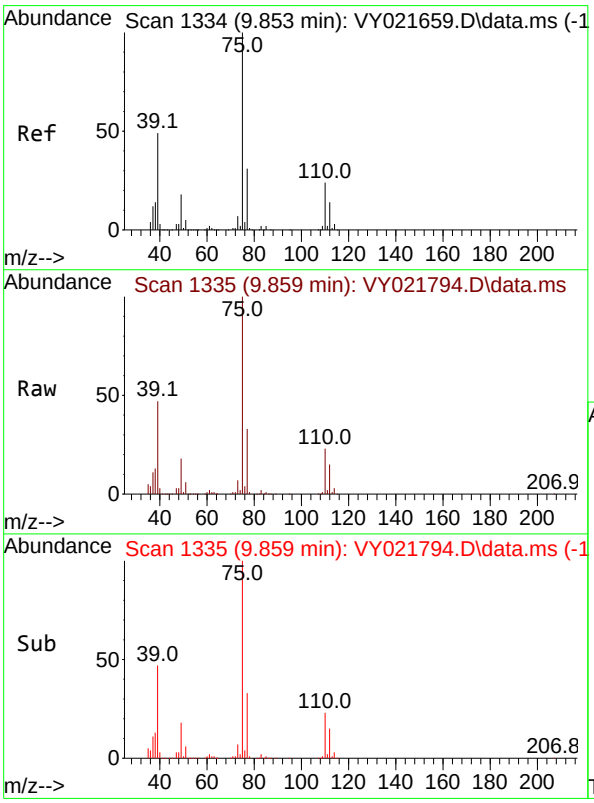
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

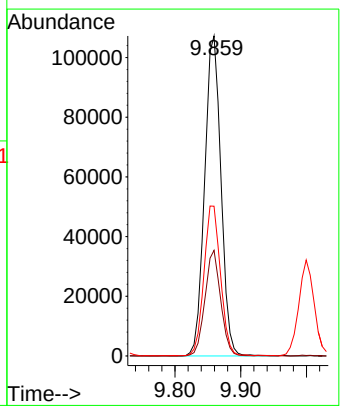
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

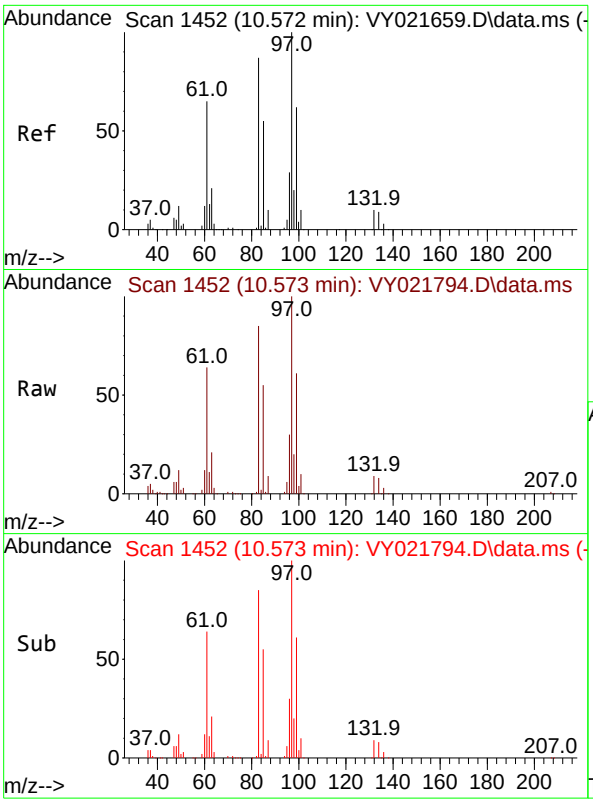


#54
cis-1,3-Dichloropropene
Concen: 50.219 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 185476

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.9	37.3
39	46.7	39.2	58.8

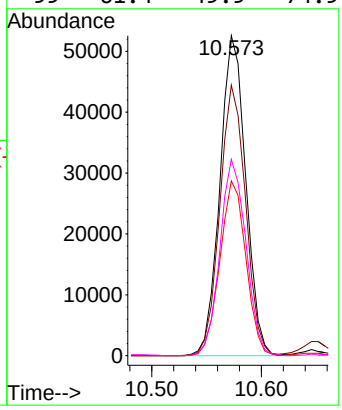




#55
1,1,2-Trichloroethane
Concen: 49.131 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 97 Resp: 8600

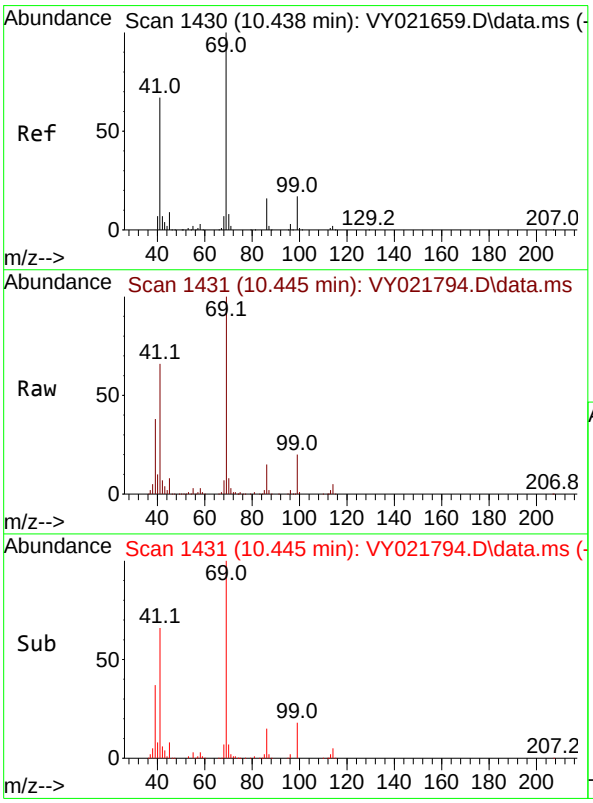
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.5	104.3
85	54.6	43.9	65.9
99	61.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

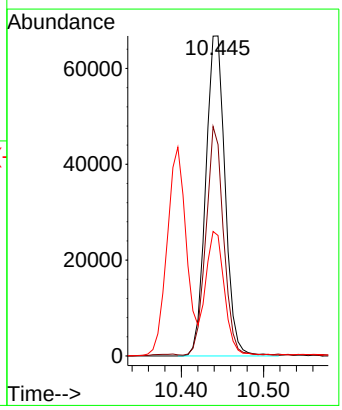
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

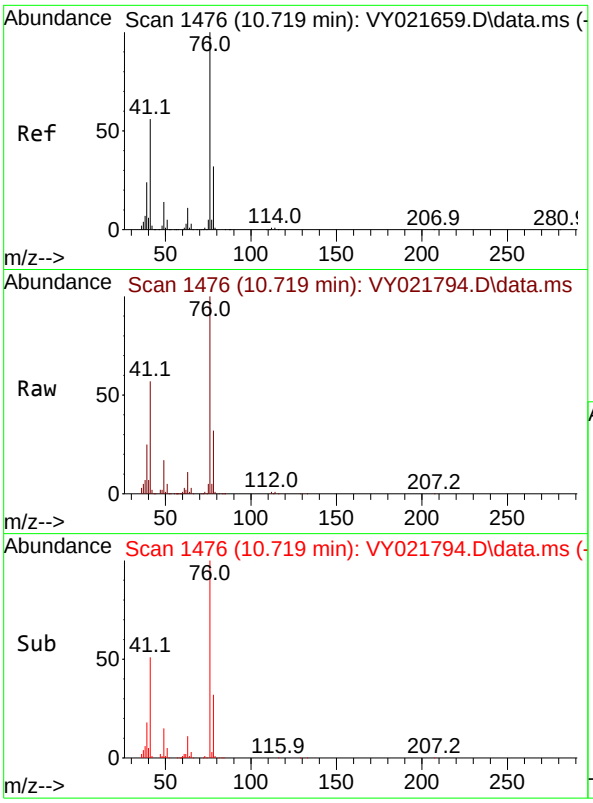


#56
Ethyl methacrylate
Concen: 48.850 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 69 Resp: 109189

Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.8	80.6
39	36.8	29.6	44.4





#57
1,3-Dichloropropane
Concen: 49.319 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

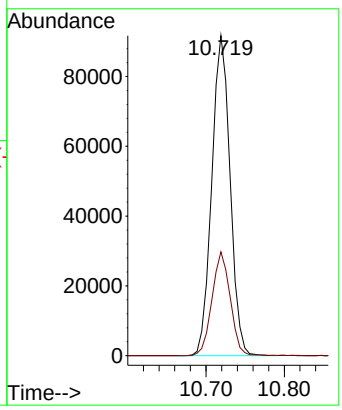
Tgt Ion: 76 Resp: 14910

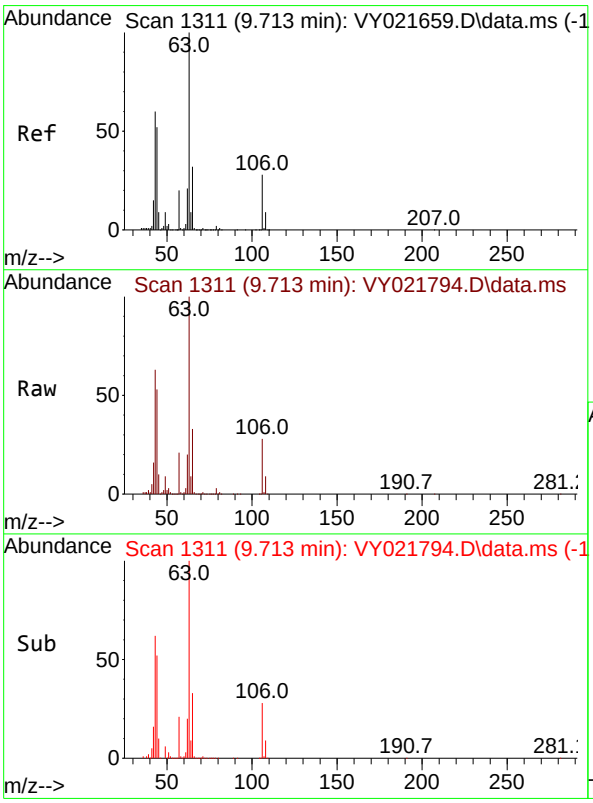
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

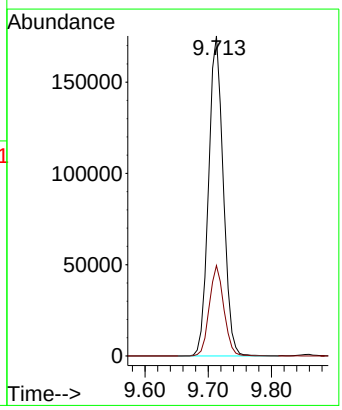


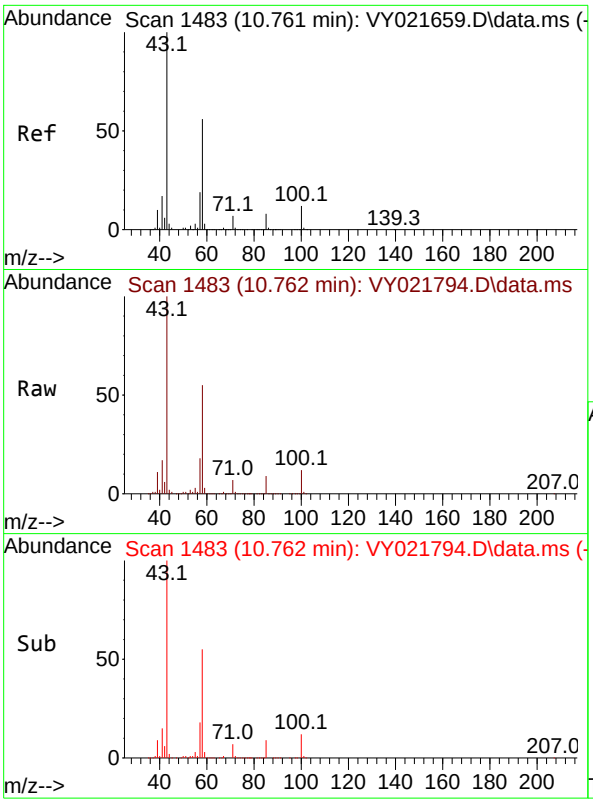


#58
2-Chloroethyl Vinyl ether
Concen: 258.748 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 282136

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6

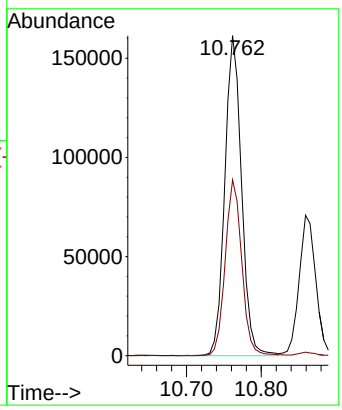




#59
2-Hexanone
Concen: 243.444 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 25124

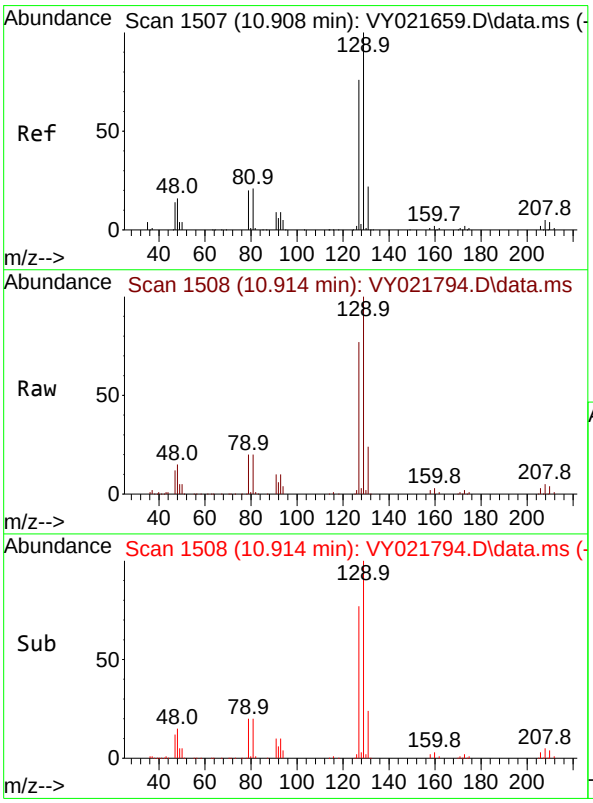
Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

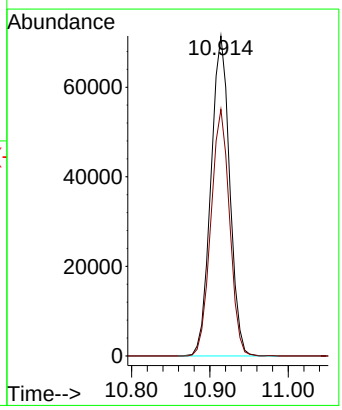
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

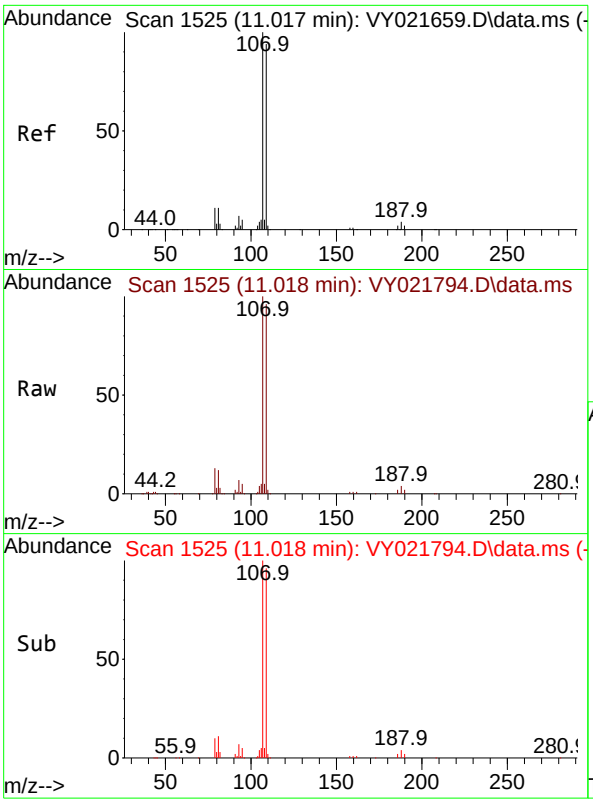


#60
Dibromochloromethane
Concen: 49.743 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:129 Resp: 118885

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	115.7





#61
1,2-Dibromoethane
Concen: 48.727 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

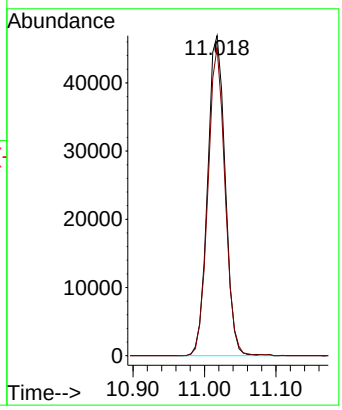
Tgt Ion:107 Resp: 8001

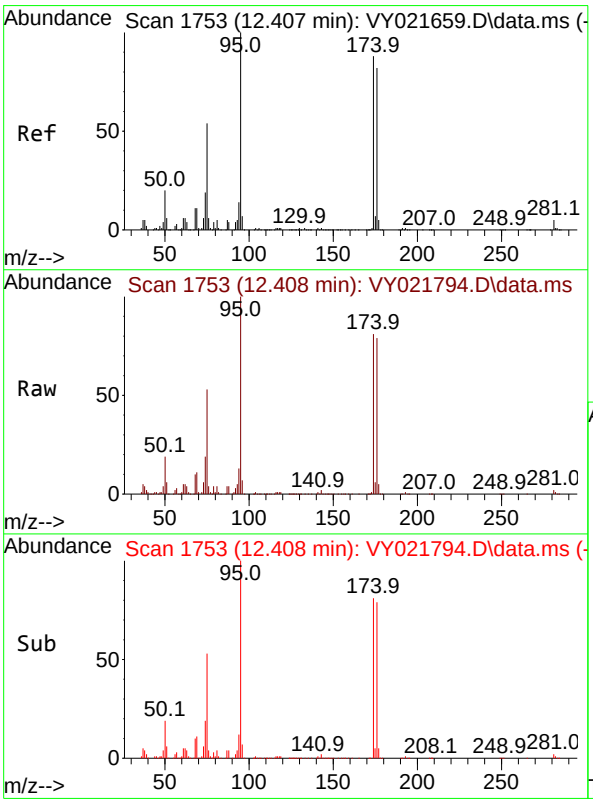
Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

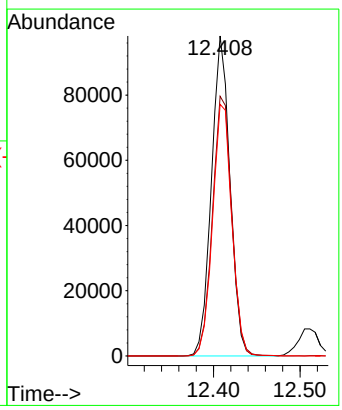


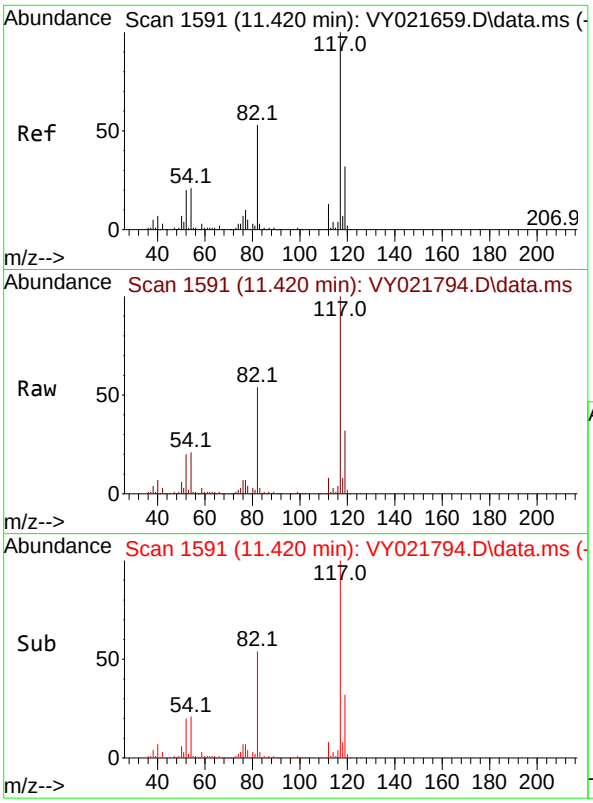


#62
4-Bromofluorobenzene
Concen: 51.914 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 95 Resp: 146026

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.8
176	81.5	0.0	162.0

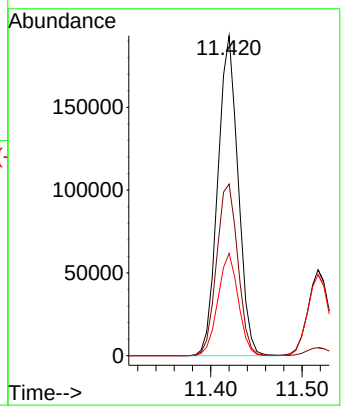




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:117 Resp: 29881

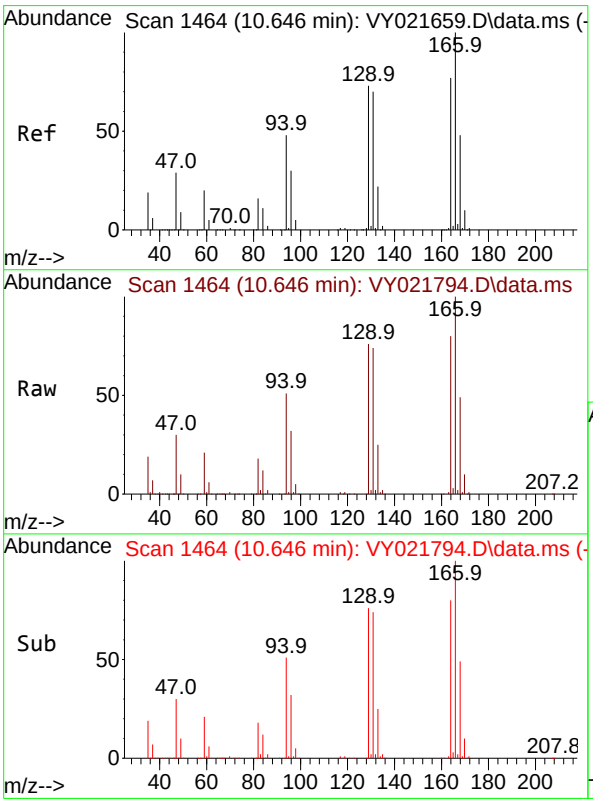
Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.8	64.2
119	31.9	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

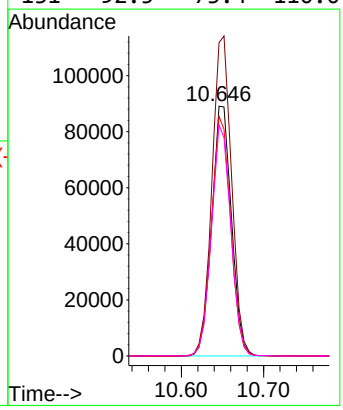
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

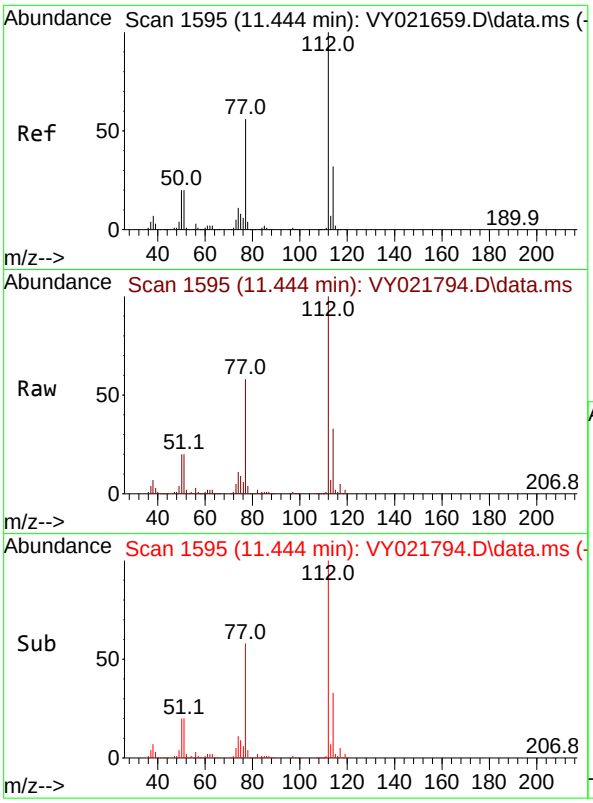


#64
Tetrachloroethene
Concen: 54.654 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:164 Resp: 148740

Ion	Ratio	Lower	Upper
164	100		
166	125.4	104.6	156.8
129	95.9	76.6	114.8
131	92.5	73.4	110.0

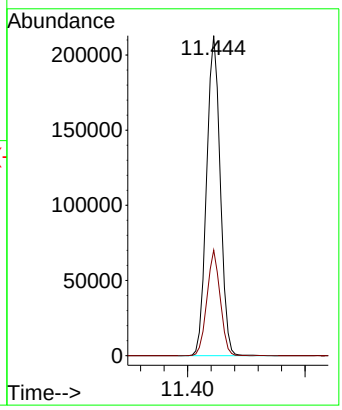




#65
Chlorobenzene
Concen: 49.923 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:112 Resp: 34196

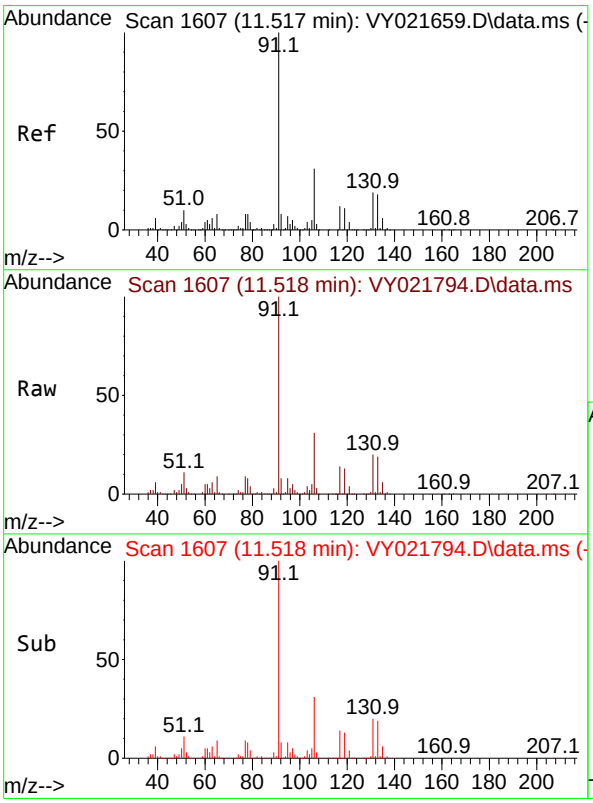
Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

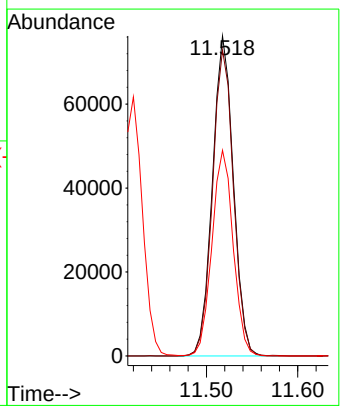
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

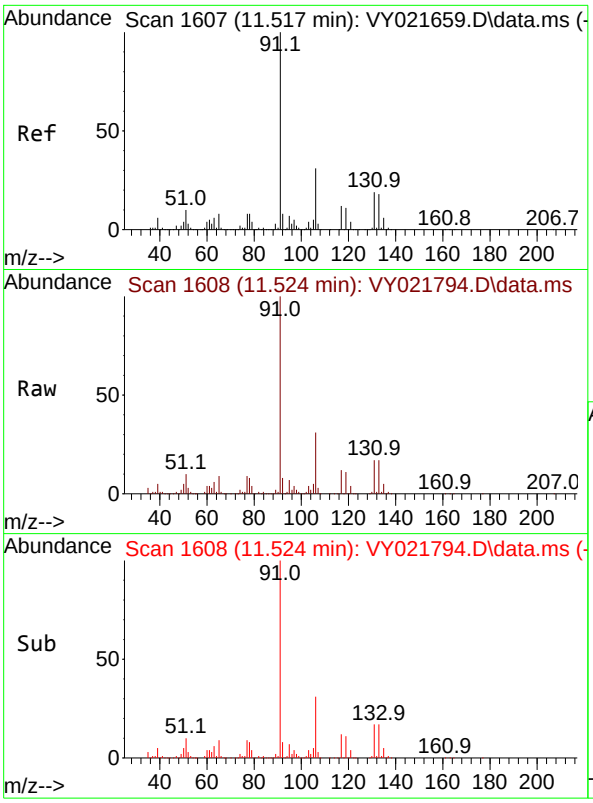


#66
1,1,1,2-Tetrachloroethane
Concen: 49.897 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:131 Resp: 121265

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.8
119	65.2	31.6	95.0

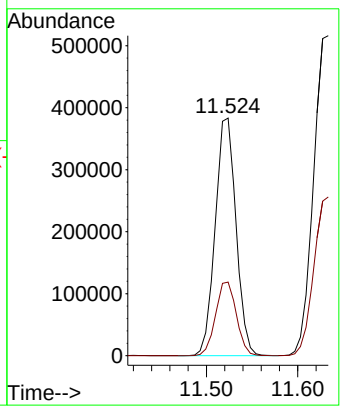




#67
Ethyl Benzene
Concen: 51.687 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 60710

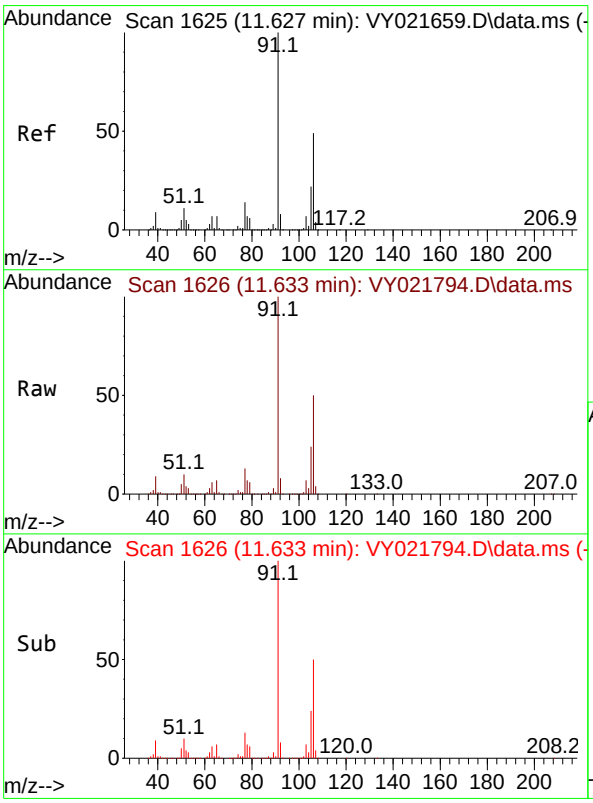
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

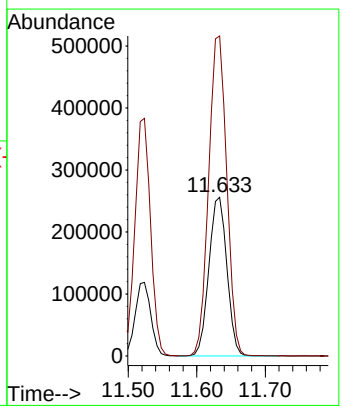
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

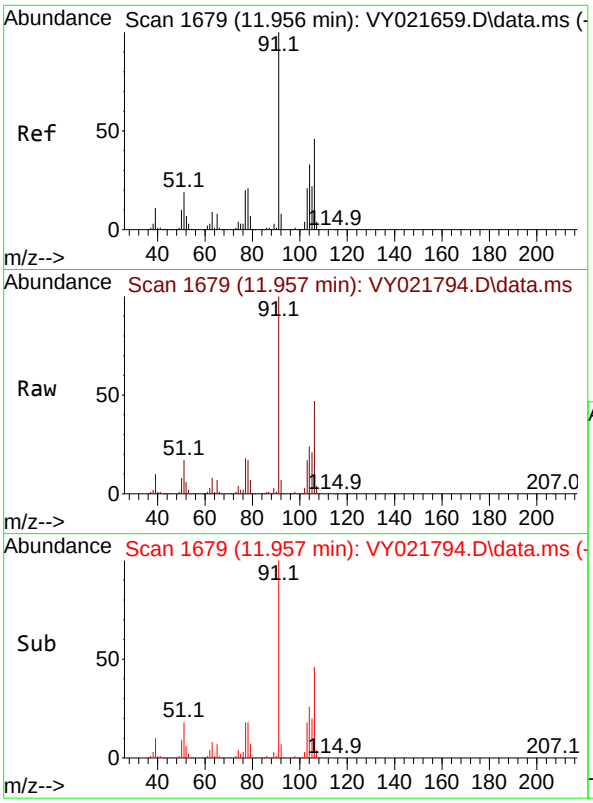


#68
m/p-Xylenes
Concen: 103.887 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:106 Resp: 467260

Ion	Ratio	Lower	Upper
106	100		
91	202.6	162.4	243.6

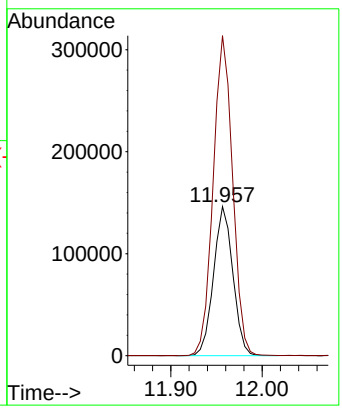




#69
o-Xylene
Concen: 51.935 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:106 Resp: 21562

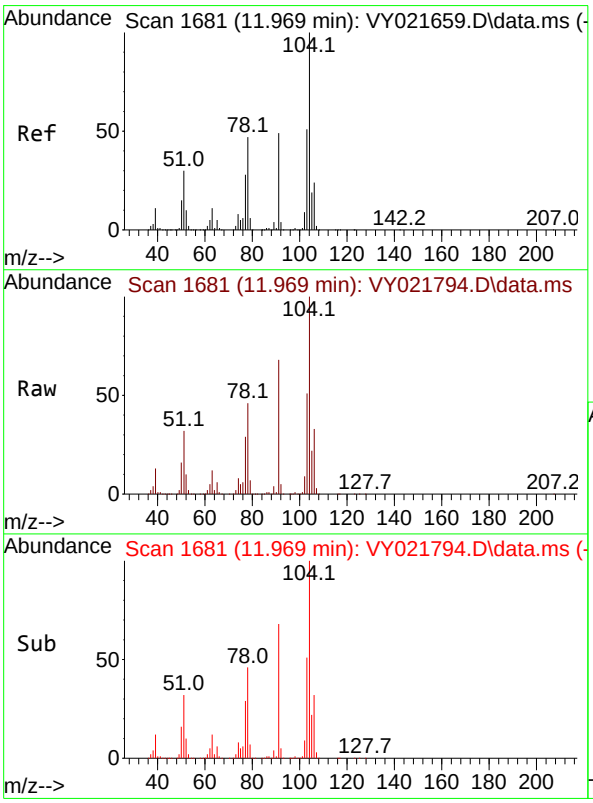
Ion	Ratio	Lower	Upper
106	100		
91	215.8	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

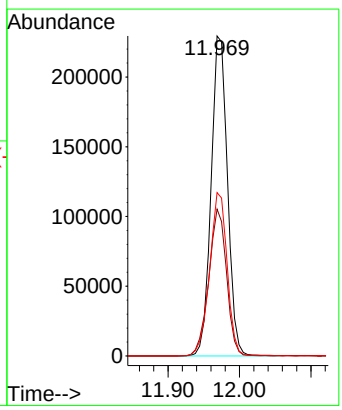
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

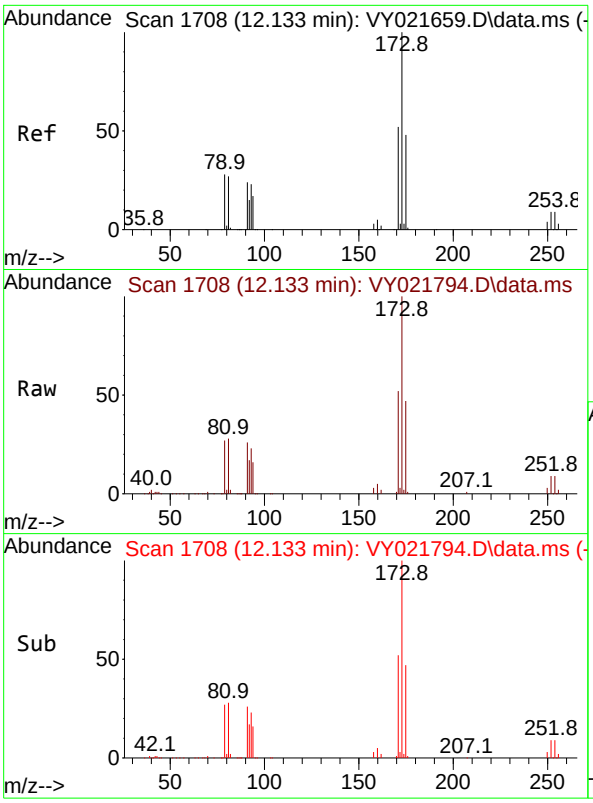


#70
Styrene
Concen: 52.649 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:104 Resp: 364462

Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.8	61.2
103	54.8	44.2	66.2

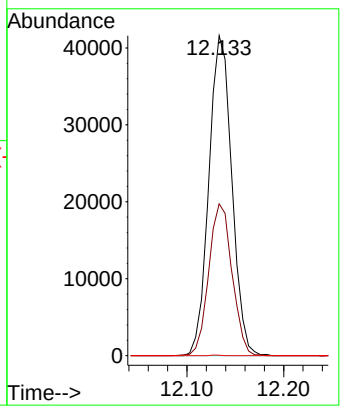




#71
Bromoform
Concen: 49.483 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:173 Resp: 6859

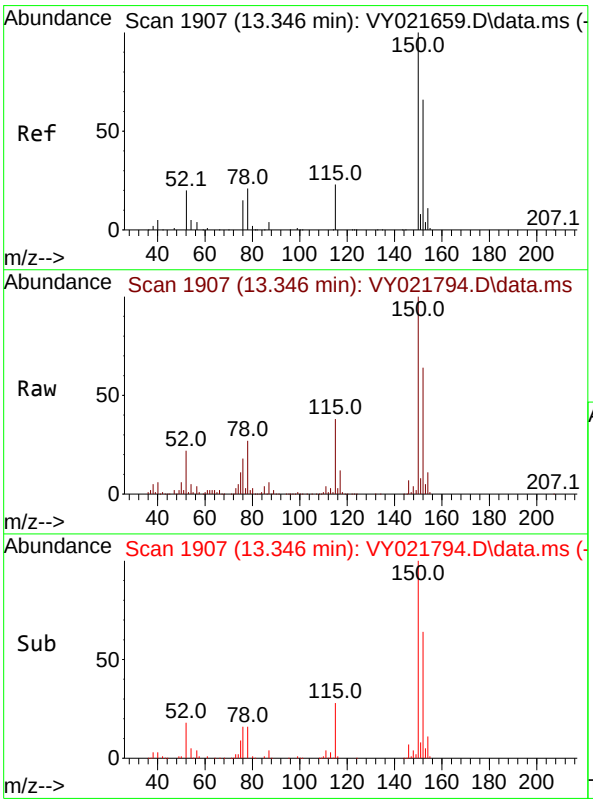
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

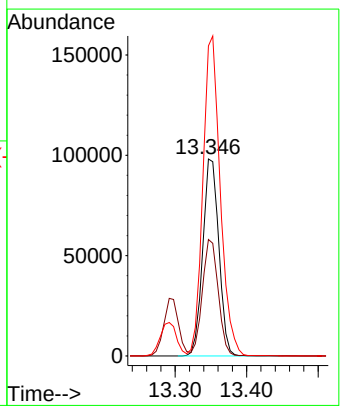
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

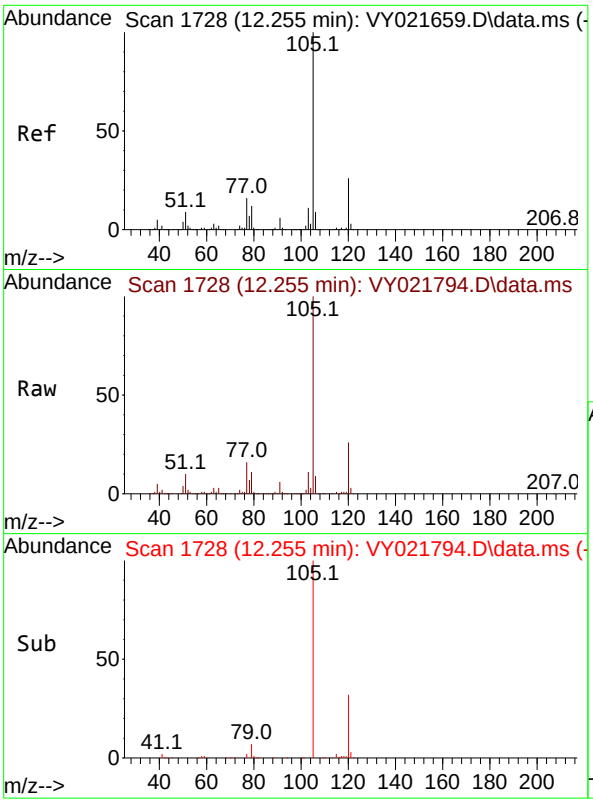


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:152 Resp: 153287

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	175.2	0.0	348.4

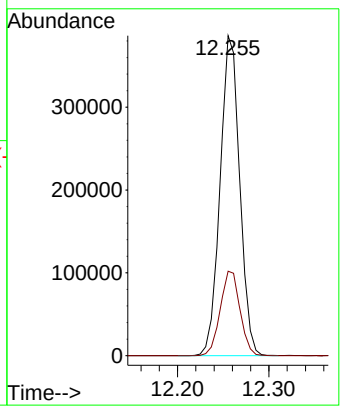




#73
Isopropylbenzene
Concen: 50.541 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:105 Resp: 57541

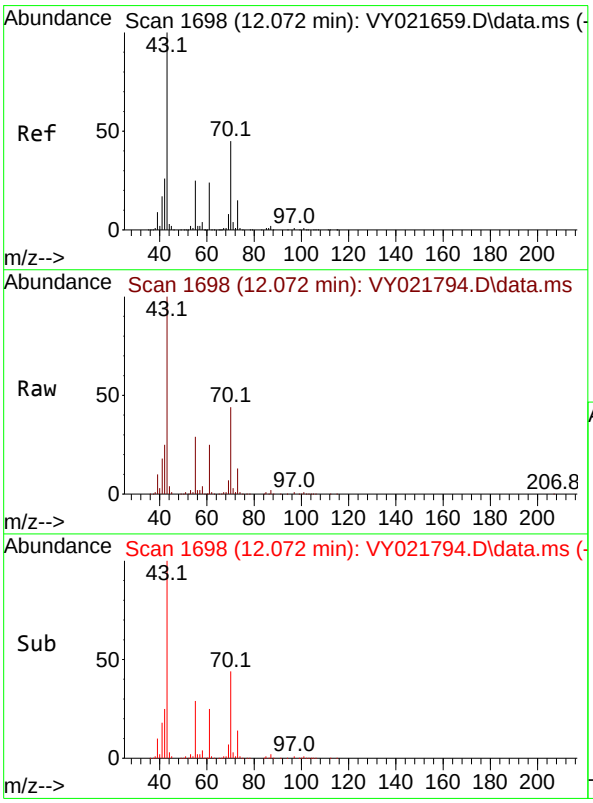
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

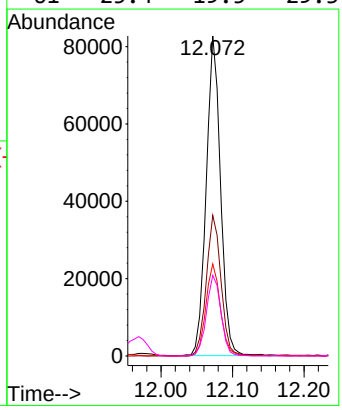
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

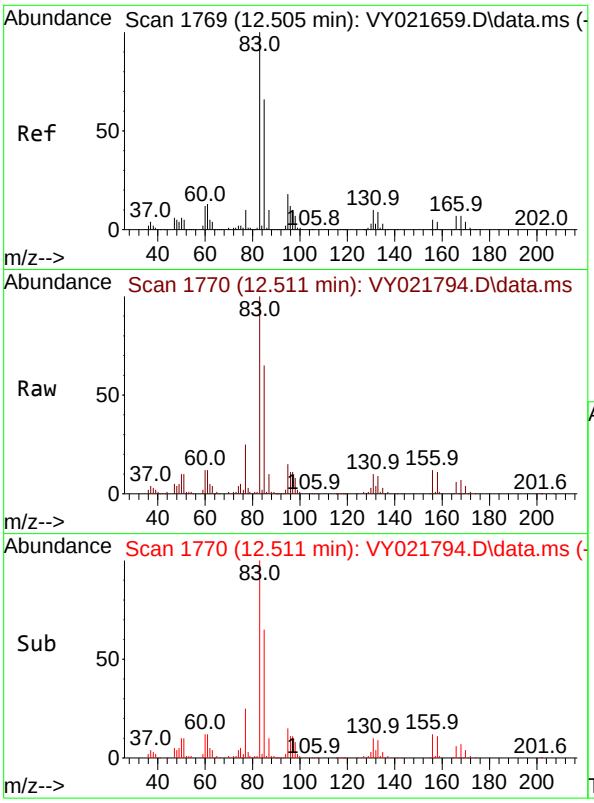


#74
N-amyl acetate
Concen: 43.148 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 115291

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.7	52.1
55	29.4	21.2	31.8
61	25.4	19.5	29.3

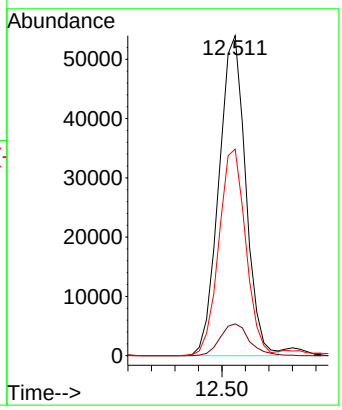




#75
1,1,2,2-Tetrachloroethane
Concen: 41.800 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 83 Resp: 8556

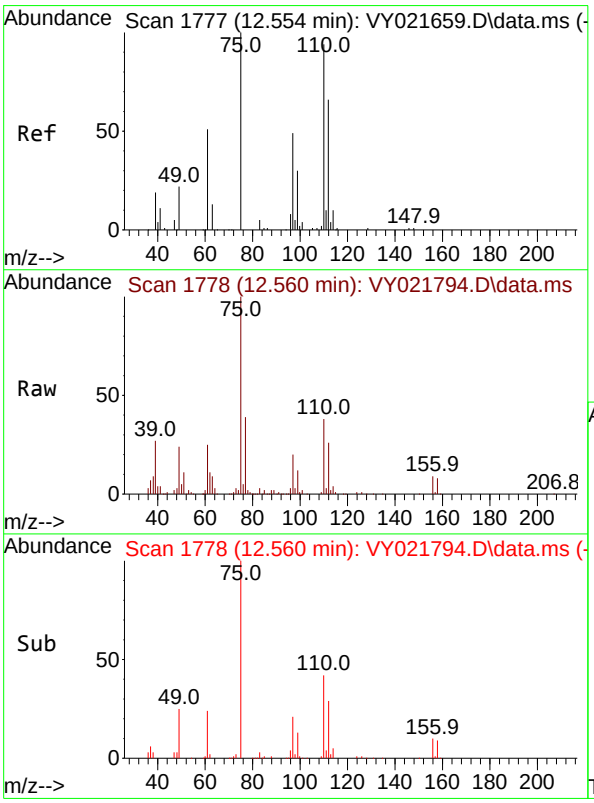
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.3
85	65.1	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

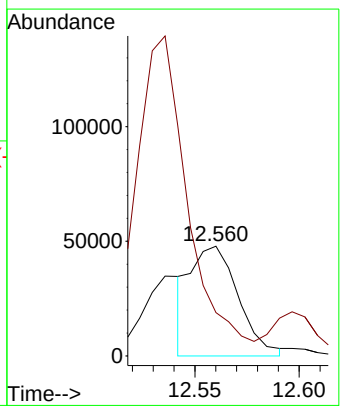
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

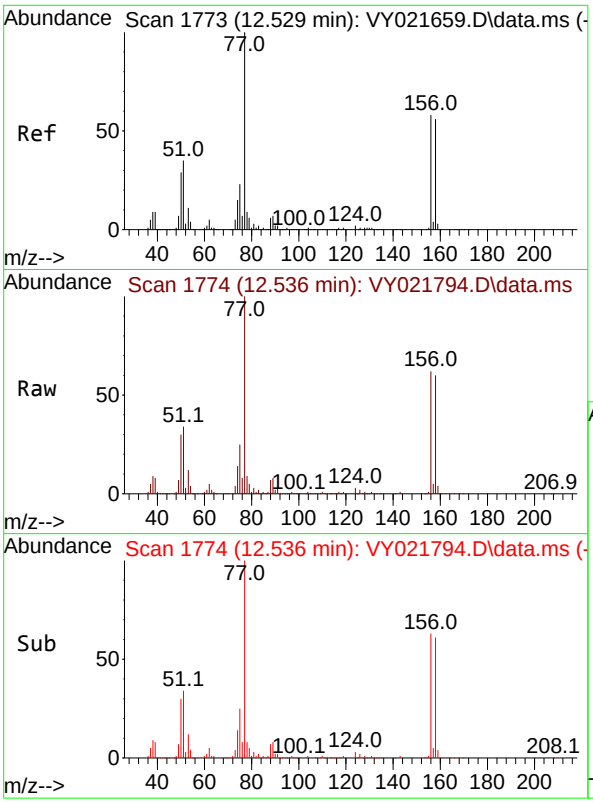


#76
1,2,3-Trichloropropane
Concen: 49.934 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 75873

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

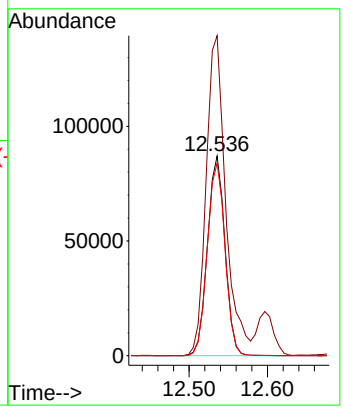




#77
Bromobenzene
Concen: 49.332 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:156 Resp: 13485

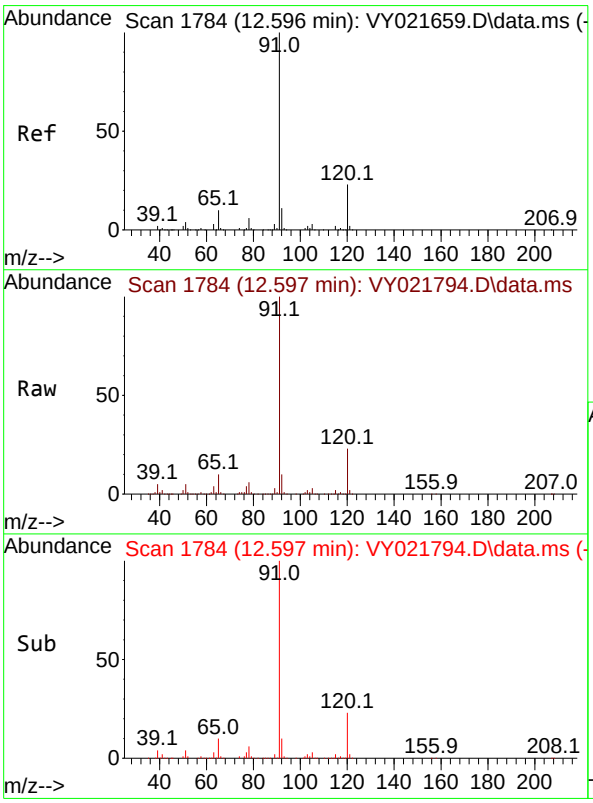
Ion	Ratio	Lower	Upper
156	100		
77	179.4	92.8	278.3
158	97.3	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

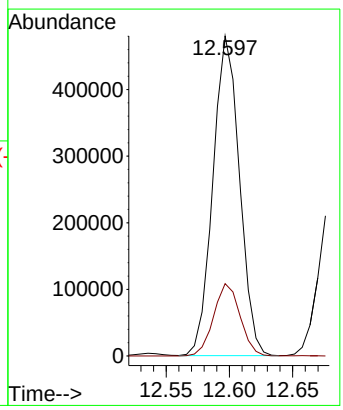
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

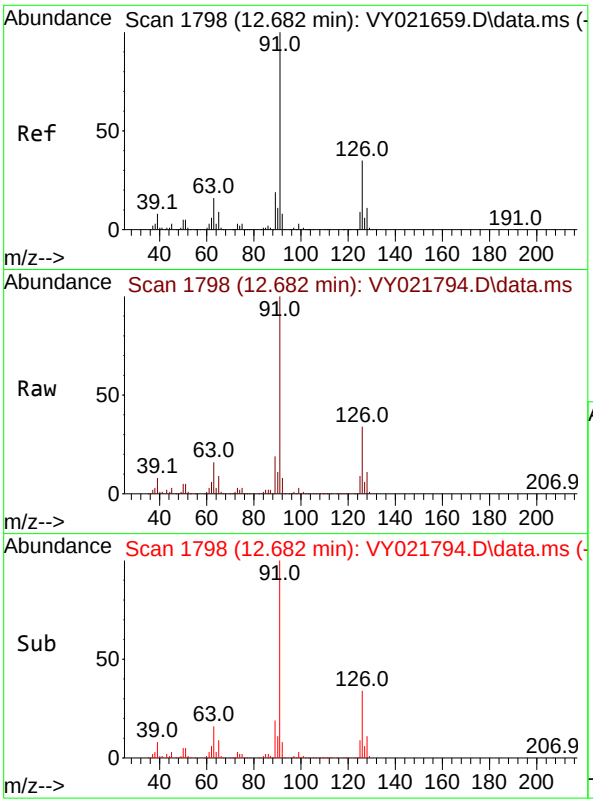


#78
n-propylbenzene
Concen: 51.186 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 700624

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

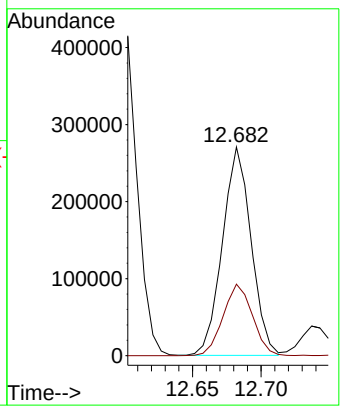




#79
2-Chlorotoluene
Concen: 49.576 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 39413

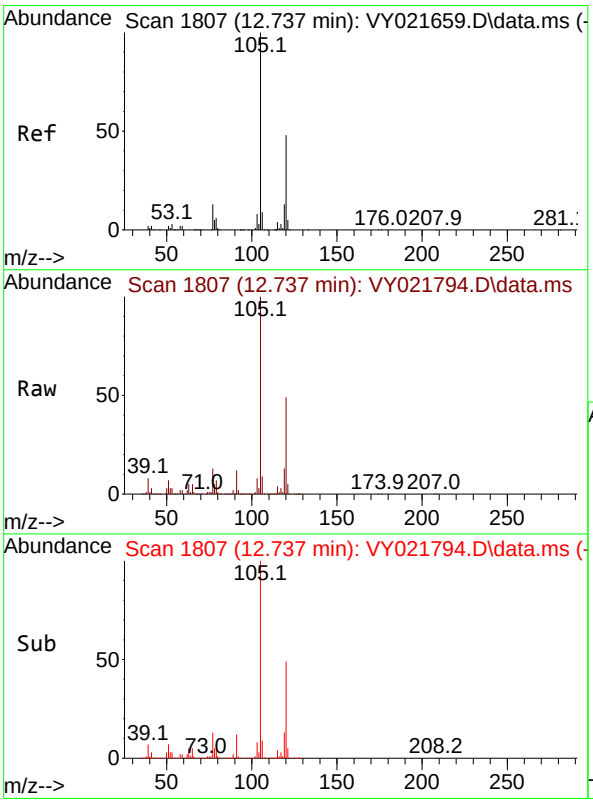
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

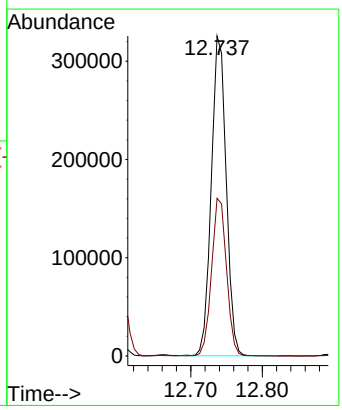
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

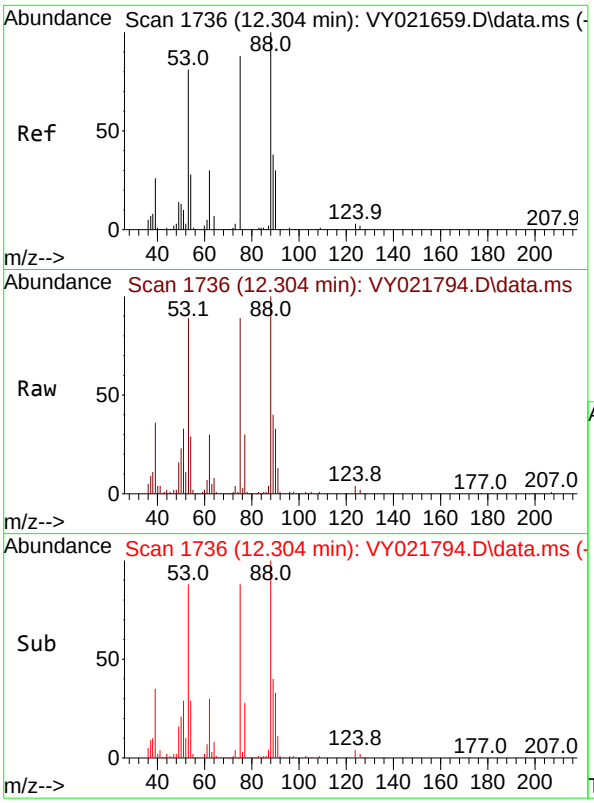


#80
1,3,5-Trimethylbenzene
Concen: 50.524 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:105 Resp: 470123

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.5	73.5

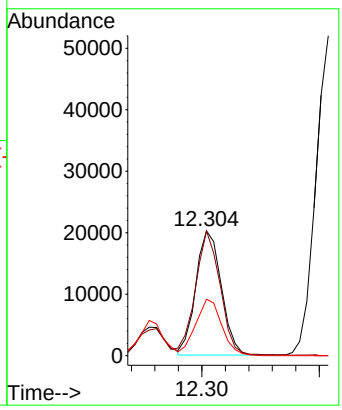




#81
trans-1,4-Dichloro-2-butene
Concen: 46.192 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 3046

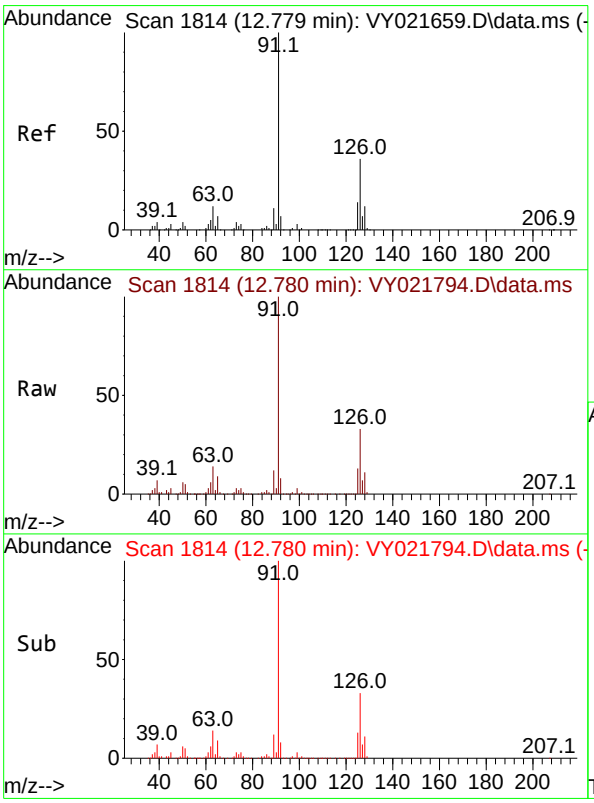
Ion	Ratio	Lower	Upper
75	100		
53	98.2	76.1	114.1
89	46.6	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

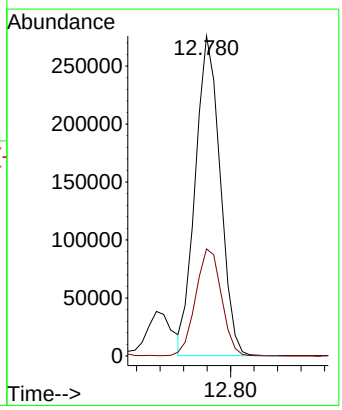
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

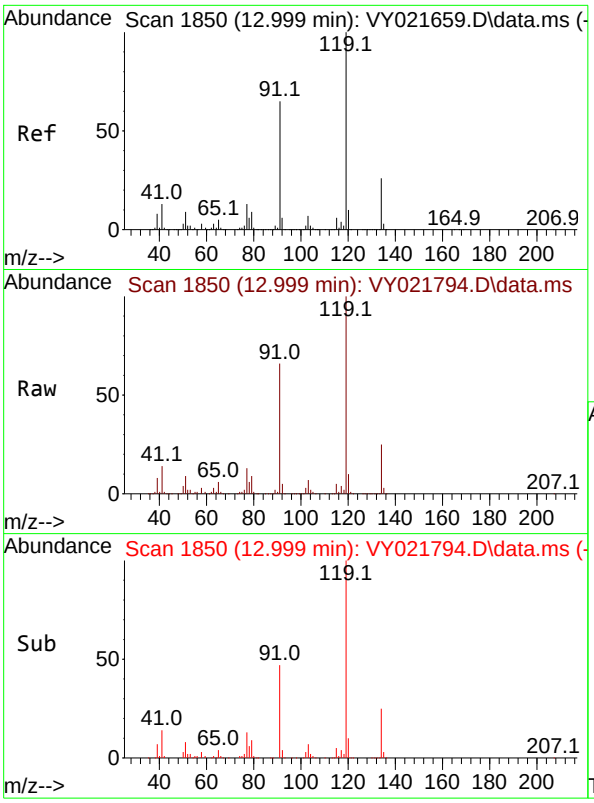


#82
4-Chlorotoluene
Concen: 48.877 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 405107

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.0	50.9

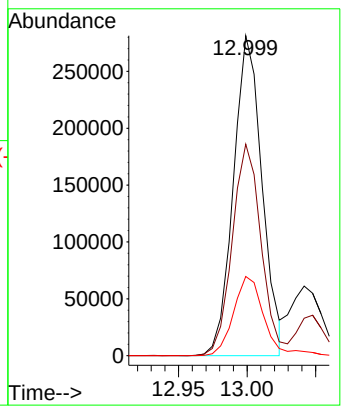




#83
tert-Butylbenzene
Concen: 49.404 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:119 Resp: 40945

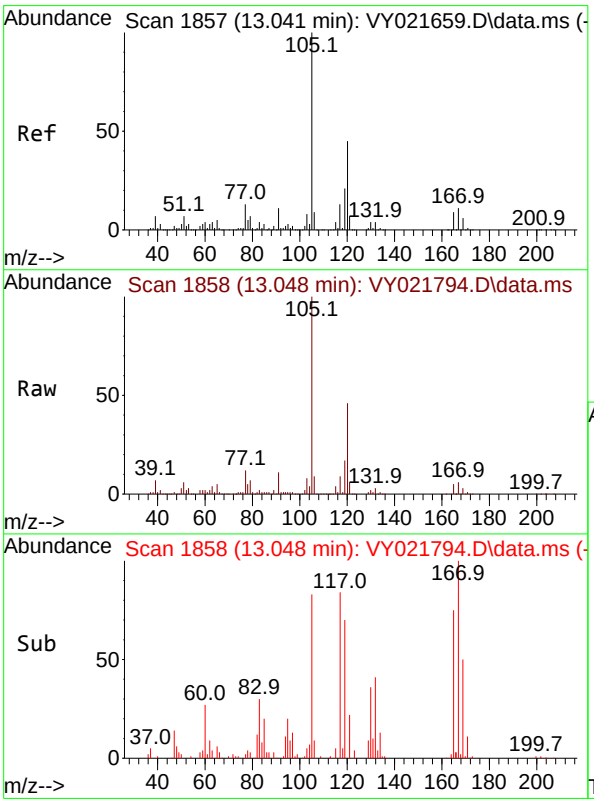
Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.6	97.7
134	26.6	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

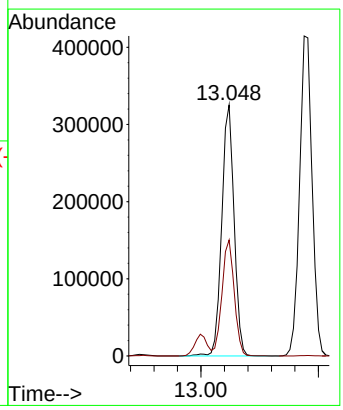
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

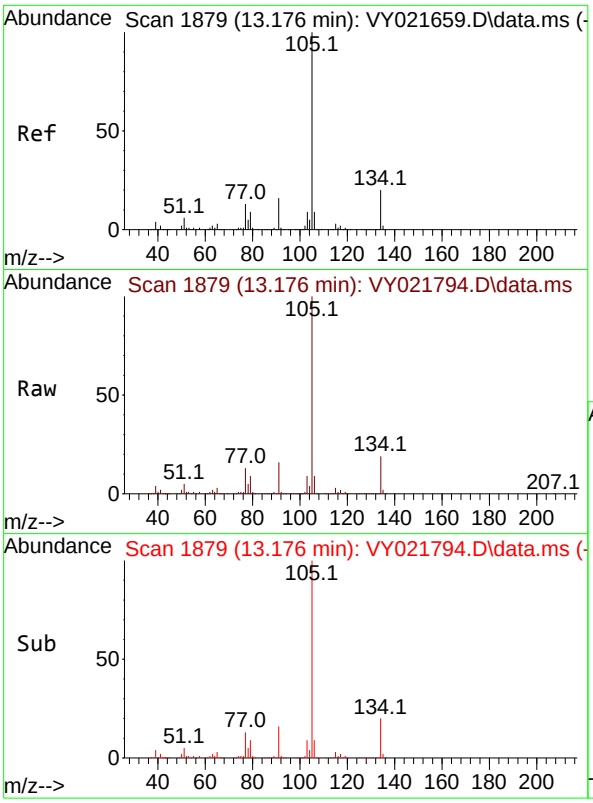


#84
1,2,4-Trimethylbenzene
Concen: 51.475 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:105 Resp: 473400

Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.7	68.1

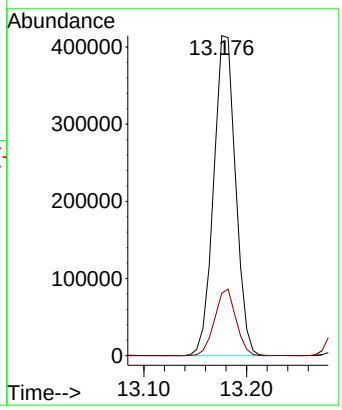




#85
sec-Butylbenzene
Concen: 50.544 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:105 Resp: 61218

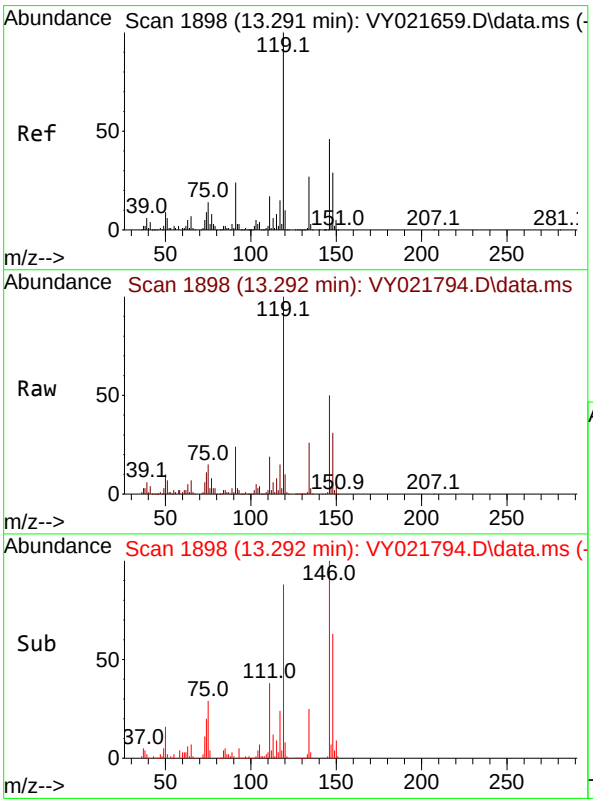
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

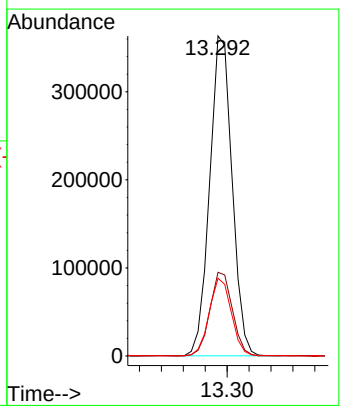
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

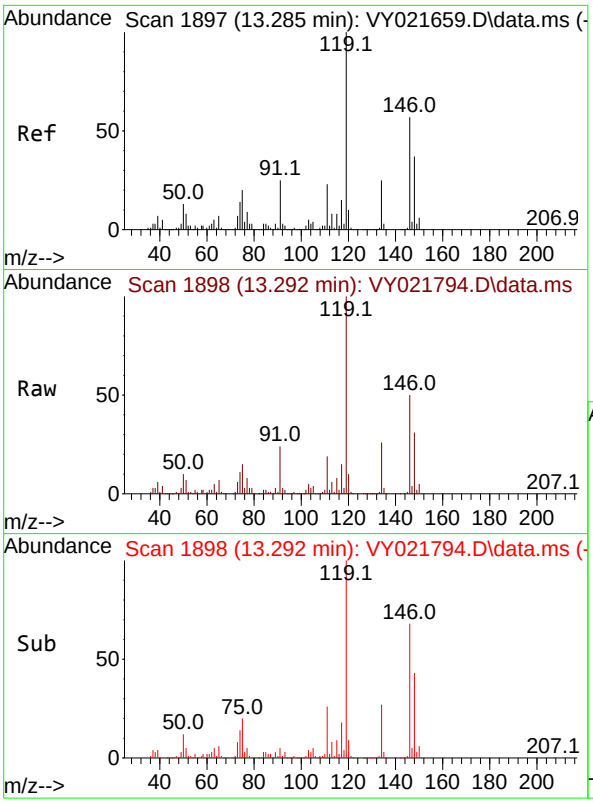


#86
p-Isopropyltoluene
Concen: 51.605 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:119 Resp: 516598

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.9	12.0	36.0





#87
1,3-Dichlorobenzene
Concen: 49.789 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

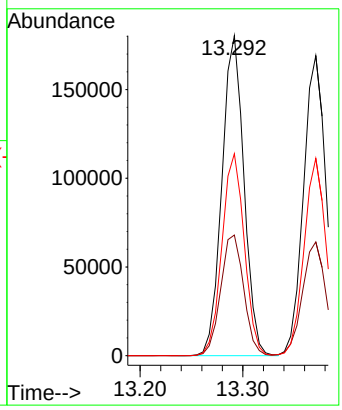
Tgt Ion:146 Resp: 26814

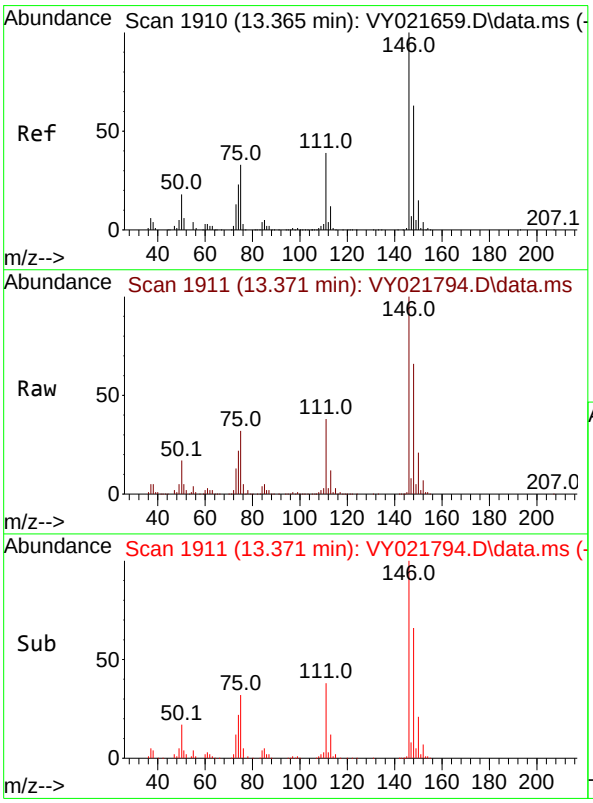
Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	64.0	31.8	95.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

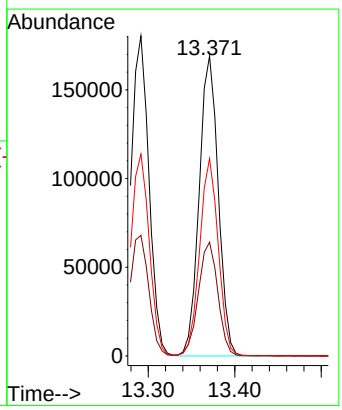


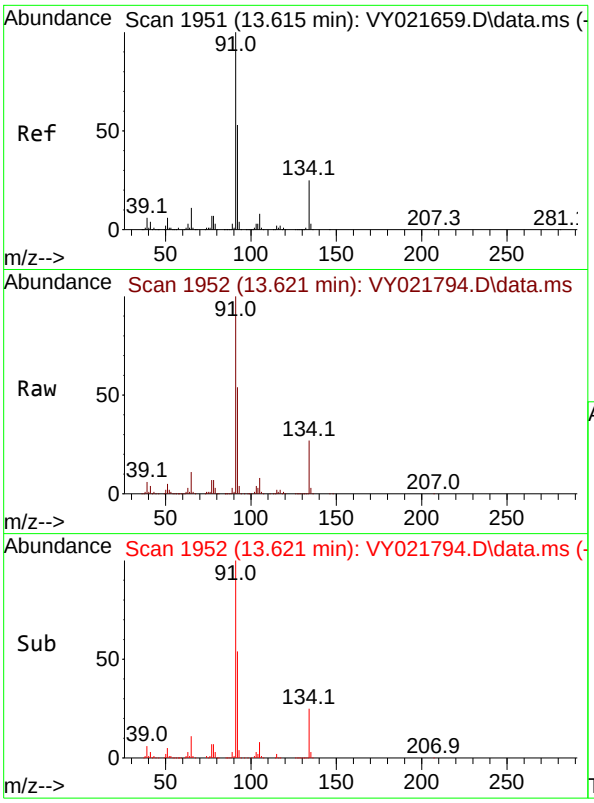


#88
1,4-Dichlorobenzene
Concen: 48.633 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:146 Resp: 258781

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	64.1	31.5	94.5

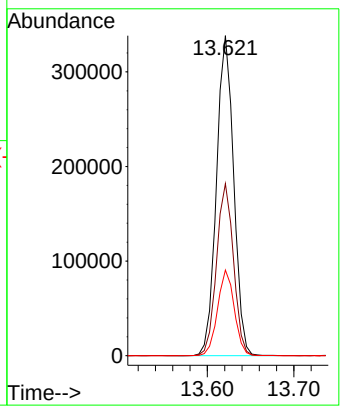




#89
n-Butylbenzene
Concen: 50.487 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 46740

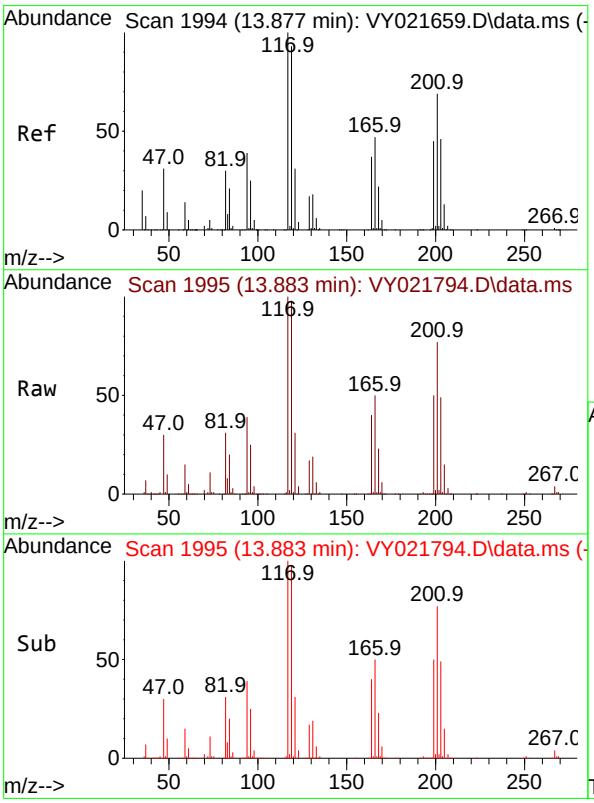
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	26.0	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

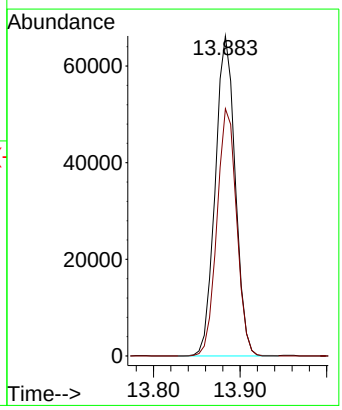
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

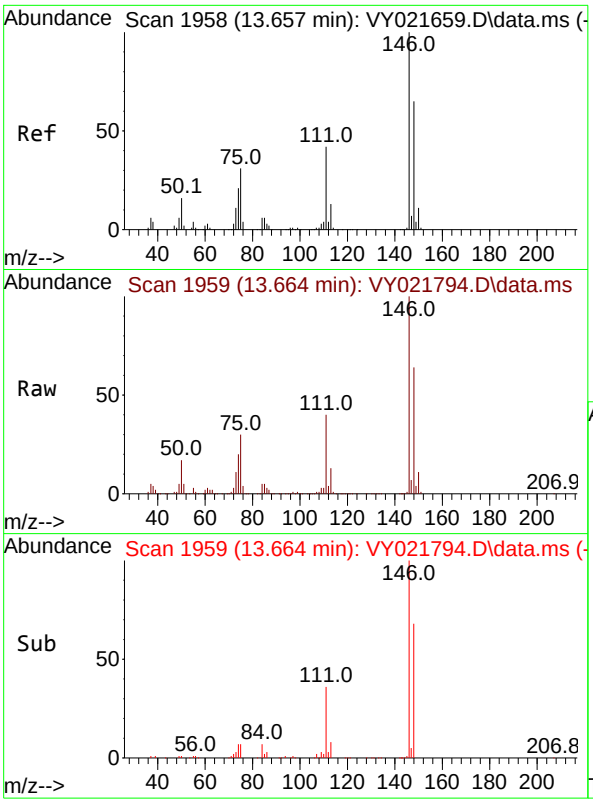


#90
Hexachloroethane
Concen: 48.399 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:117 Resp: 106174

Ion	Ratio	Lower	Upper
117	100		
201	75.9	37.4	112.1

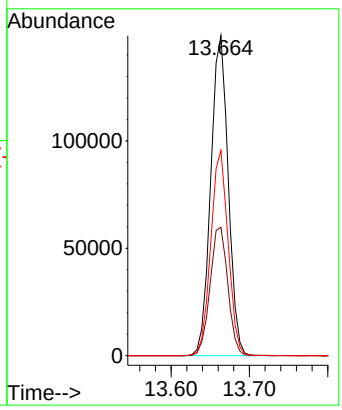




#91
1,2-Dichlorobenzene
Concen: 49.236 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:146 Resp: 23083

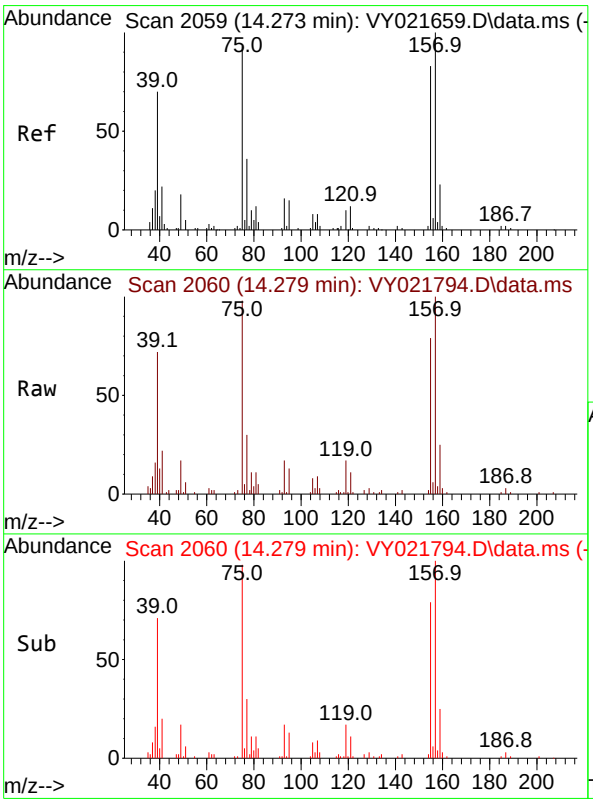
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

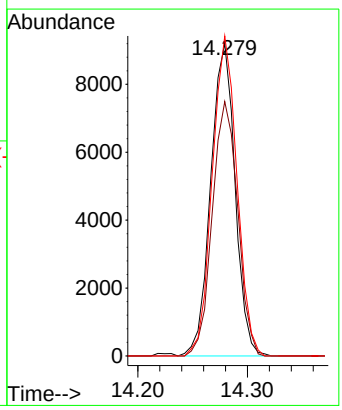
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

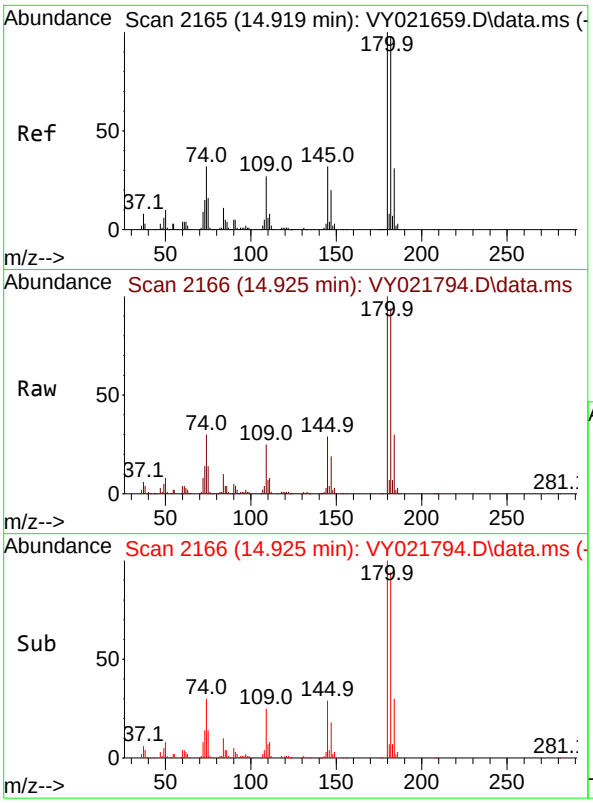


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.715 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 14186

Ion	Ratio	Lower	Upper
75	100		
155	84.9	43.0	128.8
157	104.0	54.0	162.0

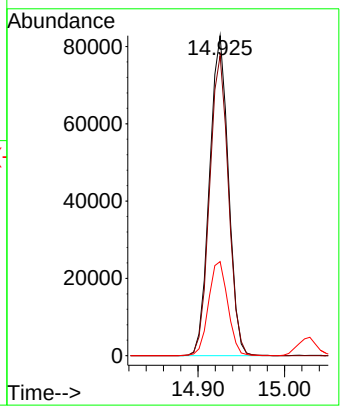




#93
1,2,4-Trichlorobenzene
Concen: 49.286 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:180 Resp: 12530

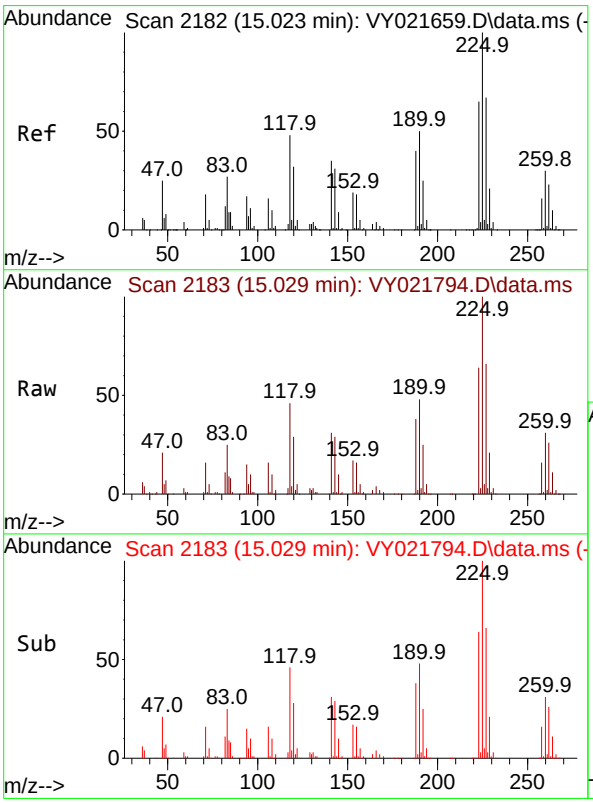
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.6
145	30.0	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

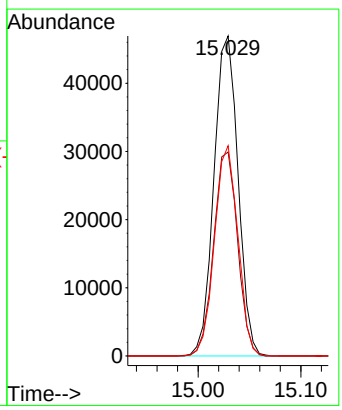
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

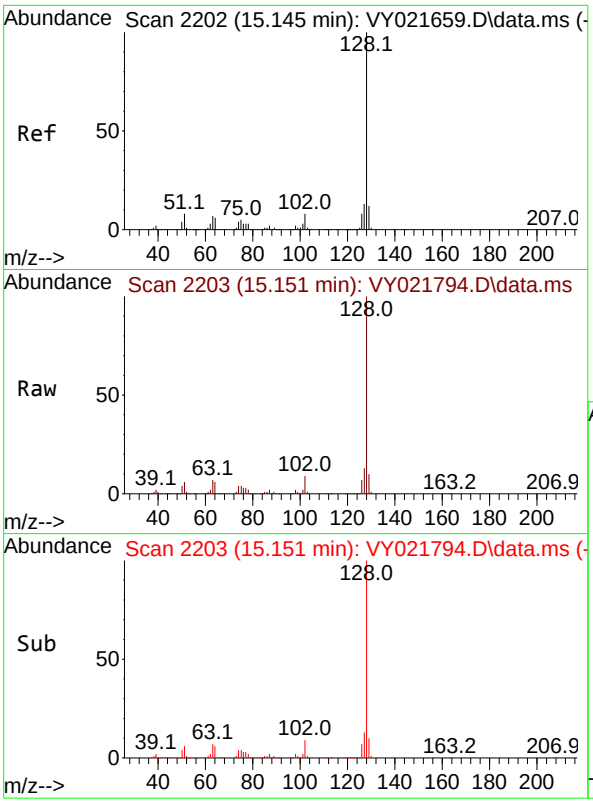


#94
Hexachlorobutadiene
Concen: 48.096 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:225 Resp: 76368

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	63.8	32.4	97.0

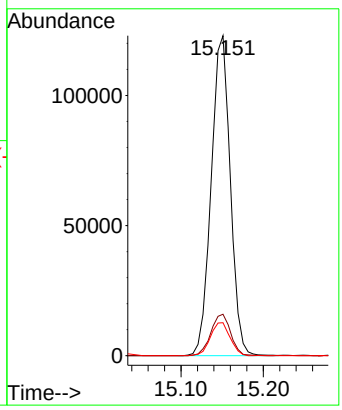




#95
Naphthalene
Concen: 47.089 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:128 Resp: 19844

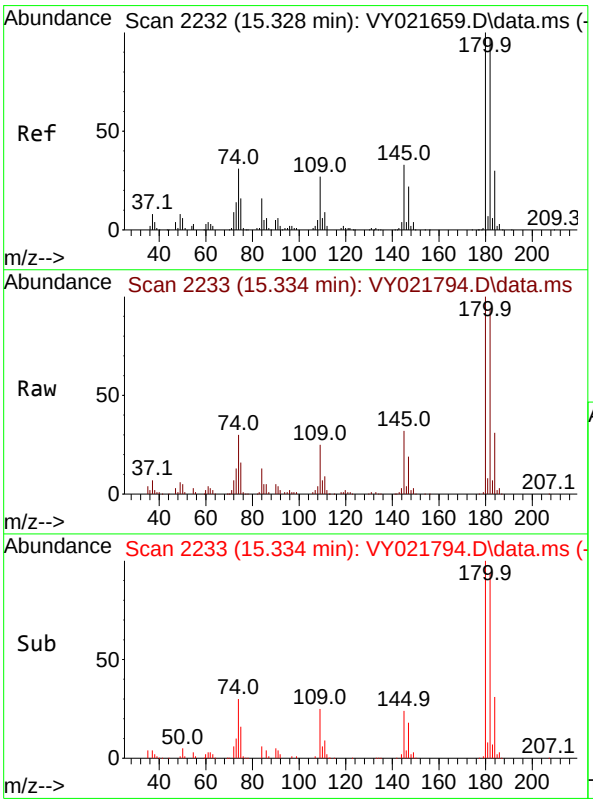
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.7	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

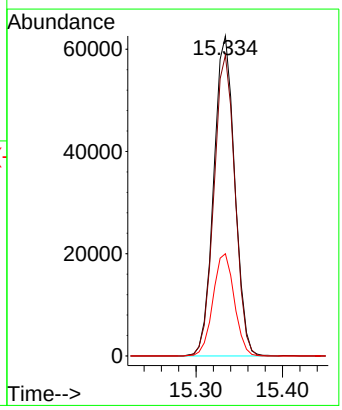
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.577 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:180 Resp: 105317

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.5
145	32.4	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.518	0.452	12.7	84	0.00
3	P	Chloromethane	0.729	0.643	11.8	88	0.00
4	C	Vinyl Chloride	0.824	0.748	9.2#	88	0.00
5	T	Bromomethane	0.562	0.461	18.0	85	0.00
6	T	Chloroethane	0.539	0.488	9.5	90	0.00
7	T	Trichlorofluoromethane	1.056	0.976	7.6	91	0.00
8	T	Diethyl Ether	0.287	0.250	12.9	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.516	7.4	91	0.00
10	T	Methyl Iodide	0.611	0.600	1.8	86	0.00
11	T	Tert butyl alcohol	0.035	0.028	20.0	77	0.00
12	CM	1,1-Dichloroethene	0.524	0.492	6.1#	90	0.00
13	T	Acrolein	0.064	0.019	70.3#	29#	0.00
14	T	Allyl chloride	0.836	0.773	7.5	87	0.00
15	T	Acrylonitrile	0.120	0.104	13.3	81	0.00
16	T	Acetone	0.111	0.115	-3.6	101	0.00
17	T	Carbon Disulfide	1.727	1.557	9.8	87	0.00
18	T	Methyl Acetate	0.275	0.273	0.7	97	0.00
19	T	Methyl tert-butyl Ether	1.306	1.179	9.7	84	0.00
20	T	Methylene Chloride	0.626	0.524	16.3	88	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.548	5.0	91	0.00
22	T	Diisopropyl ether	1.754	1.671	4.7	88	0.00
23	T	Vinyl Acetate	1.026	0.906	11.7	80	0.00
24	P	1,1-Dichloroethane	1.049	0.993	5.3	90	0.00
25	T	2-Butanone	0.158	0.145	8.2	86	0.00
26	T	2,2-Dichloropropane	0.933	0.900	3.5	92	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.623	4.0	90	0.00
28	T	Bromochloromethane	0.442	0.412	6.8	91	0.00
29	T	Tetrahydrofuran	0.102	0.088	13.7	79	0.00
30	C	Chloroform	1.091	1.038	4.9#	91	0.00
31	T	Cyclohexane	0.956	0.852	10.9	88	0.00
32	T	1,1,1-Trichloroethane	0.986	0.931	5.6	91	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.510	5.9	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.324	0.328	-1.2	88	0.00
36	T	1,1-Dichloropropene	0.494	0.499	-1.0	91	0.00
37	T	Ethyl Acetate	0.233	0.206	11.6	80	0.00
38	T	Carbon Tetrachloride	0.566	0.574	-1.4	93	0.00
39	T	Methylcyclohexane	0.590	0.577	2.2	85	0.00
40	TM	Benzene	1.479	1.489	-0.7	91	0.00
41	T	Methacrylonitrile	0.124	0.122	1.6	81	-0.01
42	TM	1,2-Dichloroethane	0.417	0.403	3.4	87	0.00
43	T	Isopropyl Acetate	0.442	0.397	10.2	80	0.00
44	TM	Trichloroethene	0.377	0.391	-3.7	95	0.00
45	C	1,2-Dichloropropane	0.350	0.349	0.3#	90	0.00
46	T	Dibromomethane	0.202	0.194	4.0	89	0.00
47	T	Bromodichloromethane	0.523	0.517	1.1	90	0.00
48	T	Methyl methacrylate	0.203	0.192	5.4	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	83	0.00
50	S	Toluene-d8	1.234	1.277	-3.5	89	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.214	7.0	81	0.00
52	CM	Toluene	0.923	0.947	-2.6#	91	0.00
53	T	t-1,3-Dichloropropene	0.465	0.463	0.4	87	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.550	-0.4	89	0.00
55	T	1,1,2-Trichloroethane	0.260	0.255	1.9	89	0.00
56	T	Ethyl methacrylate	0.332	0.324	2.4	81	0.00
57	T	1,3-Dichloropropane	0.449	0.442	1.6	88	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.167	-3.1	85	0.00
59	T	2-Hexanone	0.153	0.149	2.6	83	0.00
60	T	Dibromochloromethane	0.355	0.353	0.6	88	0.00
61	T	1,2-Dibromoethane	0.244	0.237	2.9	85	0.00
62	S	4-Bromofluorobenzene	0.417	0.433	-3.8	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.455	0.498	-9.5	101	0.00
65	PM	Chlorobenzene	1.146	1.144	0.2	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.406	0.2	89	0.00
67	C	Ethyl Benzene	1.965	2.032	-3.4#	90	0.00
68	T	m/p-Xylenes	0.753	0.782	-3.9	90	0.00
69	T	o-Xylene	0.695	0.722	-3.9	89	0.00
70	T	Styrene	1.158	1.220	-5.4	90	0.00
71	P	Bromoform	0.232	0.230	0.9	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	3.714	3.754	-1.1	90	0.00
74	T	N-amyl acetate	0.872	0.752	13.8	75	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.558	16.5	78	0.00
76	T	1,2,3-Trichloropropane	0.496	0.495	0.2	91	0.00
77	T	Bromobenzene	0.892	0.880	1.3	90	0.00
78	T	n-propylbenzene	4.465	4.571	-2.4	90	0.00
79	T	2-Chlorotoluene	2.593	2.571	0.8	89	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.067	-1.1	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.199	7.4	82	0.00
82	T	4-Chlorotoluene	2.704	2.643	2.3	87	0.00
83	T	tert-Butylbenzene	2.703	2.671	1.2	87	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.088	-2.9	90	0.00
85	T	sec-Butylbenzene	3.951	3.994	-1.1	89	0.00
86	T	p-Isopropyltoluene	3.265	3.370	-3.2	90	0.00
87	T	1,3-Dichlorobenzene	1.757	1.749	0.5	91	0.00
88	T	1,4-Dichlorobenzene	1.736	1.688	2.8	89	0.00
89	T	n-Butylbenzene	3.020	3.049	-1.0	88	0.00
90	T	Hexachloroethane	0.716	0.693	3.2	89	0.00
91	T	1,2-Dichlorobenzene	1.529	1.506	1.5	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.093	9.7	83	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.817	1.4	85	0.00
94	T	Hexachlorobutadiene	0.518	0.498	3.9	87	0.00
95	T	Naphthalene	1.375	1.295	5.8	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.687	2.8	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	43.574	12.9	84	0.00
3	P	Chloromethane	50.000	44.137	11.7	88	0.00
4	C	Vinyl Chloride	50.000	45.392	9.2#	88	0.00
5	T	Bromomethane	50.000	41.042	17.9	85	0.00
6	T	Chloroethane	50.000	45.220	9.6	90	0.00
7	T	Trichlorofluoromethane	50.000	46.226	7.5	91	0.00
8	T	Diethyl Ether	50.000	43.508	13.0	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.358	7.3	91	0.00
10	T	Methyl Iodide	50.000	49.135	1.7	86	0.00
11	T	Tert butyl alcohol	250.000	196.563	21.4	77	0.00
12	CM	1,1-Dichloroethene	50.000	46.887	6.2#	90	0.00
13	T	Acrolein	250.000	75.813	69.7#	29	0.00
14	T	Allyl chloride	50.000	46.193	7.6	87	0.00
15	T	Acrylonitrile	250.000	215.889	13.6	81	0.00
16	T	Acetone	250.000	259.165	-3.7	101	0.00
17	T	Carbon Disulfide	50.000	45.073	9.9	87	0.00
18	T	Methyl Acetate	50.000	49.589	0.8	97	0.00
19	T	Methyl tert-butyl Ether	50.000	45.133	9.7	84	0.00
20	T	Methylene Chloride	50.000	48.120	3.8	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.466	5.1	91	0.00
22	T	Diisopropyl ether	50.000	47.619	4.8	88	0.00
23	T	Vinyl Acetate	250.000	220.822	11.7	80	0.00
24	P	1,1-Dichloroethane	50.000	47.347	5.3	90	0.00
25	T	2-Butanone	250.000	229.196	8.3	86	0.00
26	T	2,2-Dichloropropane	50.000	48.250	3.5	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.992	4.0	90	0.00
28	T	Bromochloromethane	50.000	46.536	6.9	91	0.00
29	T	Tetrahydrofuran	250.000	215.053	14.0	79	0.00
30	C	Chloroform	50.000	47.595	4.8#	91	0.00
31	T	Cyclohexane	50.000	44.546	10.9	88	0.00
32	T	1,1,1-Trichloroethane	50.000	47.227	5.5	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.075	5.8	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	50.509	-1.0	88	0.00
36	T	1,1-Dichloropropene	50.000	50.545	-1.1	91	0.00
37	T	Ethyl Acetate	50.000	44.251	11.5	80	0.00
38	T	Carbon Tetrachloride	50.000	50.753	-1.5	93	0.00
39	T	Methylcyclohexane	50.000	48.886	2.2	85	0.00
40	TM	Benzene	50.000	50.325	-0.7	91	0.00
41	T	Methacrylonitrile	50.000	49.076	1.8	81	-0.01
42	TM	1,2-Dichloroethane	50.000	48.260	3.5	87	0.00
43	T	Isopropyl Acetate	50.000	44.885	10.2	80	0.00
44	TM	Trichloroethene	50.000	51.817	-3.6	95	0.00
45	C	1,2-Dichloropropane	50.000	49.831	0.3#	90	0.00
46	T	Dibromomethane	50.000	48.034	3.9	89	0.00
47	T	Bromodichloromethane	50.000	49.419	1.2	90	0.00
48	T	Methyl methacrylate	50.000	47.453	5.1	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	936.467	6.4	83	0.00
50	S	Toluene-d8	50.000	51.740	-3.5	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	232.887	6.8	81	0.00
52	CM	Toluene	50.000	51.304	-2.6#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	49.804	0.4	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.219	-0.4	89	0.00
55	T	1,1,2-Trichloroethane	50.000	49.131	1.7	89	0.00
56	T	Ethyl methacrylate	50.000	48.850	2.3	81	0.00
57	T	1,3-Dichloropropane	50.000	49.319	1.4	88	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.748	-3.5	85	0.00
59	T	2-Hexanone	250.000	243.444	2.6	83	0.00
60	T	Dibromochloromethane	50.000	49.743	0.5	88	0.00
61	T	1,2-Dibromoethane	50.000	48.727	2.5	85	0.00
62	S	4-Bromofluorobenzene	50.000	51.914	-3.8	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	54.654	-9.3	101	0.00
65	PM	Chlorobenzene	50.000	49.923	0.2	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.897	0.2	89	0.00
67	C	Ethyl Benzene	50.000	51.687	-3.4#	90	0.00
68	T	m/p-Xylenes	100.000	103.887	-3.9	90	0.00
69	T	o-Xylene	50.000	51.935	-3.9	89	0.00
70	T	Styrene	50.000	52.649	-5.3	90	0.00
71	P	Bromoform	50.000	49.483	1.0	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	50.541	-1.1	90	0.00
74	T	N-amyl acetate	50.000	43.148	13.7	75	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	41.800	16.4	78	0.00
76	T	1,2,3-Trichloropropane	50.000	49.934	0.1	91	0.00
77	T	Bromobenzene	50.000	49.332	1.3	90	0.00
78	T	n-propylbenzene	50.000	51.186	-2.4	90	0.00
79	T	2-Chlorotoluene	50.000	49.576	0.8	89	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.524	-1.0	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.192	7.6	82	0.00
82	T	4-Chlorotoluene	50.000	48.877	2.2	87	0.00
83	T	tert-Butylbenzene	50.000	49.404	1.2	87	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.475	-3.0	90	0.00
85	T	sec-Butylbenzene	50.000	50.544	-1.1	89	0.00
86	T	p-Isopropyltoluene	50.000	51.605	-3.2	90	0.00
87	T	1,3-Dichlorobenzene	50.000	49.789	0.4	91	0.00
88	T	1,4-Dichlorobenzene	50.000	48.633	2.7	89	0.00
89	T	n-Butylbenzene	50.000	50.487	-1.0	88	0.00
90	T	Hexachloroethane	50.000	48.399	3.2	89	0.00
91	T	1,2-Dichlorobenzene	50.000	49.236	1.5	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.715	10.6	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.286	1.4	85	0.00
94	T	Hexachlorobutadiene	50.000	48.096	3.8	87	0.00
95	T	Naphthalene	50.000	47.089	5.8	78	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.577	2.8	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 17:29

Lab File ID: VY021804.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.486		-6.18	50
Chloromethane	0.729	0.668	0.1	-8.37	50
Vinyl Chloride	0.824	0.769		-6.68	50
Bromomethane	0.562	0.488		-13.17	50
Chloroethane	0.539	0.505		-6.31	50
Tetrahydrofuran	0.102	0.105		2.94	50
Trichlorofluoromethane	1.056	1.001		-5.21	50
1,1,2-Trichlorotrifluoroethane	0.557	0.547		-1.79	50
1,1-Dichloroethene	0.524	0.518		-1.14	50
Acrylonitrile	0.120	0.121		0.83	50
Acetone	0.111	0.093		-16.22	50
Carbon Disulfide	1.727	1.613		-6.6	50
Methyl tert-butyl Ether	1.306	1.345		2.99	50
Methylene Chloride	0.626	0.578		-7.67	50
trans-1,2-Dichloroethene	0.577	0.571		-1.04	50
1,1-Dichloroethane	1.049	1.045	0.1	-0.38	50
2-Butanone	0.158	0.154		-2.53	50
Carbon Tetrachloride	0.566	0.589		4.06	50
2,2-Dichloropropane	0.933	0.906		-2.89	50
cis-1,2-Dichloroethene	0.649	0.656		1.08	50
Chloroform	1.091	1.097		0.55	50
1,1,1-Trichloroethane	0.986	0.986		0	50
1,1-Dichloropropene	0.494	0.512		3.64	50
Benzene	1.479	1.535		3.79	50
1,2-Dichloroethane	0.417	0.440		5.52	50
Trichloroethene	0.377	0.451		19.63	50
1,2-Dichloropropane	0.350	0.369		5.43	50
Dibromomethane	0.202	0.213		5.45	50
Bromodichloromethane	0.523	0.546		4.4	50
4-Methyl-2-Pentanone	0.230	0.257		11.74	50
Toluene	0.923	0.988		7.04	50
t-1,3-Dichloropropene	0.465	0.485		4.3	50
cis-1,3-Dichloropropene	0.548	0.574		4.74	50
1,1,2-Trichloroethane	0.260	0.280		7.69	50
1,3-Dichloropropane	0.449	0.487		8.46	50
2-Hexanone	0.153	0.171		11.77	50
Dibromochloromethane	0.355	0.377		6.2	50
1,2-Dibromoethane	0.244	0.266		9.02	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: MSVOA_Y Calibration Date/Time: 04/07/2025 17:29

Lab File ID: VY021804.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.455	0.605		32.97	50
Chlorobenzene	1.146	1.183	0.3	3.23	50
1,1,1,2-Tetrachloroethane	0.407	0.417		2.46	50
Ethyl Benzene	1.965	2.093		6.51	50
m/p-Xylenes	0.753	0.801		6.38	50
o-Xylene	0.695	0.750		7.91	50
Styrene	1.158	1.276		10.19	50
Bromoform	0.232	0.246	0.1	6.03	50
Isopropylbenzene	3.714	3.703		-0.3	50
1,1,2,2-Tetrachloroethane	0.668	0.410	0.3	-38.62	50
1,2,3-Trichloropropane	0.496	0.497		0.2	50
Bromobenzene	0.892	0.883		-1.01	50
n-propylbenzene	4.465	4.487		0.49	50
2-Chlorotoluene	2.593	2.553		-1.54	50
1,3,5-Trimethylbenzene	3.035	3.061		0.86	50
4-Chlorotoluene	2.704	2.654		-1.85	50
tert-Butylbenzene	2.703	2.689		-0.52	50
1,2,4-Trimethylbenzene	3.000	3.087		2.9	50
sec-Butylbenzene	3.951	3.983		0.81	50
p-Isopropyltoluene	3.265	3.368		3.15	50
1,3-Dichlorobenzene	1.757	1.733		-1.42	50
1,4-Dichlorobenzene	1.736	1.716		-1.15	50
n-Butylbenzene	3.020	3.106		2.85	50
1,2-Dichlorobenzene	1.529	1.532		0.2	50
1,2-Dibromo-3-Chloropropane	0.103	0.105		1.94	50
1,2,4-Trichlorobenzene	0.829	0.905		9.17	50
Hexachlorobutadiene	0.518	0.536		3.47	50
1,2,3-Trichlorobenzene	0.707	0.788		11.46	50
1,2-Dichloroethane-d4	0.542	0.545		0.55	50
Dibromofluoromethane	0.324	0.290		-10.49	50
Toluene-d8	1.234	1.291		4.62	50
4-Bromofluorobenzene	0.417	0.453		8.63	50
trans-1,4-Dichloro-2-butene	0.215	0.200		-6.98	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\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	224532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	341352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122404	50.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.634	113	98899	44.664	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.320%			
50) Toluene-d8	10.109	98	440661	52.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.620%			
62) 4-Bromofluorobenzene	12.408	95	154801	54.329	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	109111	46.885	ug/l	98
3) Chloromethane	2.068	50	149962	45.826	ug/l	98
4) Vinyl Chloride	2.202	62	172733	46.675	ug/l	97
5) Bromomethane	2.592	94	109683	43.454	ug/l	97
6) Chloroethane	2.733	64	113301	46.787	ug/l	100
7) Trichlorofluoromethane	3.056	101	224789	47.416	ug/l	98
8) Diethyl Ether	3.452	74	62320	48.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	122782	49.106	ug/l	99
10) Methyl Iodide	4.001	142	148881	54.276	ug/l	99
11) Tert butyl alcohol	4.866	59	38412	243.094	ug/l	100
12) 1,1-Dichloroethene	3.787	96	116318	49.389	ug/l	99
13) Acrolein	3.659	56	22716	78.732	ug/l	97
14) Allyl chloride	4.385	41	184227	49.061	ug/l	98
15) Acrylonitrile	5.061	53	136191	253.002	ug/l	99
16) Acetone	3.873	43	104517	209.922	ug/l	99
17) Carbon Disulfide	4.104	76	362183	46.691	ug/l	97
18) Methyl Acetate	4.385	43	76494	61.991	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	301905	51.489	ug/l	98
20) Methylene Chloride	4.616	84	129704	53.510	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	128306	49.480	ug/l	99
22) Diisopropyl ether	6.019	45	406412	51.594	ug/l	98
23) Vinyl Acetate	5.958	43	1005856	218.278	ug/l	100
24) 1,1-Dichloroethane	5.915	63	234722	49.834	ug/l	99
25) 2-Butanone	6.890	43	172460	242.513	ug/l	99
26) 2,2-Dichloropropane	6.884	77	203337	48.532	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	147307	50.515	ug/l	98
28) Bromochloromethane	7.244	49	98094	49.382	ug/l	98
29) Tetrahydrofuran	7.262	42	118440	258.784	ug/l	100
30) Chloroform	7.421	83	246310	50.278	ug/l	96
31) Cyclohexane	7.701	56	204030	47.519	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221309	49.982	ug/l	99
36) 1,1-Dichloropropene	7.835	75	174776	51.820	ug/l	99
37) Ethyl Acetate	6.982	43	80524	50.589	ug/l	99
38) Carbon Tetrachloride	7.817	117	201147	52.071	ug/l	100
39) Methylcyclohexane	9.110	83	213550	53.002	ug/l	98
40) Benzene	8.079	78	524100	51.889	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.226	41	41173	48.707	ug/l	#	100
42)	1,2-Dichloroethane	8.158	62	150119	52.720	ug/l		100
43)	Isopropyl Acetate	8.195	43	158937	52.690	ug/l		98
44)	Trichloroethene	8.866	130	153934	59.815	ug/l		98
45)	1,2-Dichloropropane	9.140	63	126060	52.726	ug/l		98
46)	Dibromomethane	9.231	93	72759	52.805	ug/l		98
47)	Bromodichloromethane	9.427	83	186427	52.215	ug/l		99
48)	Methyl methacrylate	9.219	41	75589	54.600	ug/l		99
49)	1,4-Dioxane	9.231	88	16797	1137.947	ug/l		89
51)	4-Methyl-2-Pentanone	10.000	43	437927	278.979	ug/l		99
52)	Toluene	10.170	92	337143	53.500	ug/l		99
53)	t-1,3-Dichloropropene	10.396	75	165396	52.154	ug/l		99
54)	cis-1,3-Dichloropropene	9.853	75	195840	52.346	ug/l		99
55)	1,1,2-Trichloroethane	10.573	97	95662	53.949	ug/l		98
56)	Ethyl methacrylate	10.439	69	131852	58.234	ug/l		98
57)	1,3-Dichloropropane	10.719	76	166086	54.234	ug/l		100
58)	2-Chloroethyl Vinyl ether	9.713	63	325502	294.697	ug/l		100
59)	2-Hexanone	10.762	43	291456	278.791	ug/l		99
60)	Dibromochloromethane	10.914	129	128616	53.126	ug/l		100
61)	1,2-Dibromoethane	11.012	107	90766	54.567	ug/l		99
64)	Tetrachloroethene	10.646	164	188331	66.382	ug/l		98
65)	Chlorobenzene	11.444	112	368544	51.612	ug/l		99
66)	1,1,1,2-Tetrachloroethane	11.518	131	130042	51.329	ug/l		99
67)	Ethyl Benzene	11.518	91	651824	53.233	ug/l		99
68)	m/p-Xylenes	11.627	106	498739	106.367	ug/l		100
69)	o-Xylene	11.957	106	233580	53.967	ug/l		98
70)	Styrene	11.969	104	397557	55.090	ug/l		100
71)	Bromoform	12.133	173	76677	53.058	ug/l	#	100
73)	Isopropylbenzene	12.255	105	623474	49.859	ug/l		100
74)	N-amyl acetate	12.072	43	147196	50.156	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.505	83	69040	30.709	ug/l		99
76)	1,2,3-Trichloropropane	12.554	75	83668m	50.134	ug/l		
77)	Bromobenzene	12.530	156	148624	49.502	ug/l		98
78)	n-propylbenzene	12.597	91	755384	50.246	ug/l		99
79)	2-Chlorotoluene	12.682	91	429871	49.230	ug/l		99
80)	1,3,5-Trimethylbenzene	12.737	105	515287	50.419	ug/l		100
81)	trans-1,4-Dichloro-2-b...	12.304	75	33694	46.520	ug/l		99
82)	4-Chlorotoluene	12.780	91	446850	49.086	ug/l		100
83)	tert-Butylbenzene	12.999	119	452797	49.742	ug/l		99
84)	1,2,4-Trimethylbenzene	13.042	105	519749	51.455	ug/l		99
85)	sec-Butylbenzene	13.176	105	670543	50.405	ug/l		99
86)	p-Isopropyltoluene	13.292	119	567055	51.574	ug/l		100
87)	1,3-Dichlorobenzene	13.286	146	291683	49.310	ug/l		99
88)	1,4-Dichlorobenzene	13.365	146	288989	49.448	ug/l		99
89)	n-Butylbenzene	13.621	91	522872	51.422	ug/l		100
90)	Hexachloroethane	13.877	117	117807	48.894	ug/l		99
91)	1,2-Dichlorobenzene	13.658	146	257864	50.078	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.273	75	17640	50.624	ug/l		100
93)	1,2,4-Trichlorobenzene	14.919	180	152417	54.582	ug/l		99
94)	Hexachlorobutadiene	15.023	225	90260	51.756	ug/l		99
95)	Naphthalene	15.145	128	278323	60.132	ug/l		100
96)	1,2,3-Trichlorobenzene	15.328	180	132748	55.748	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

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

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

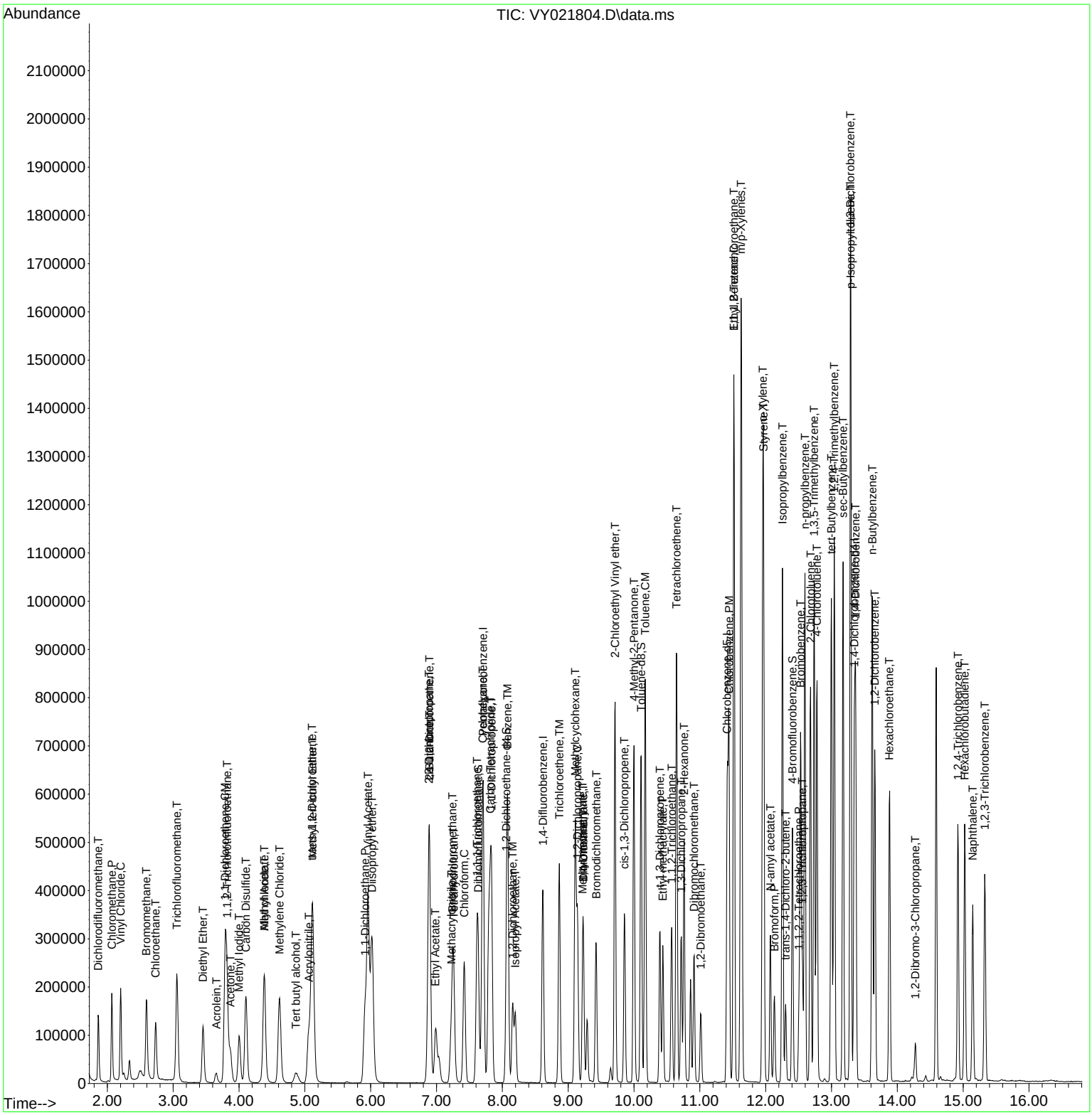
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Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

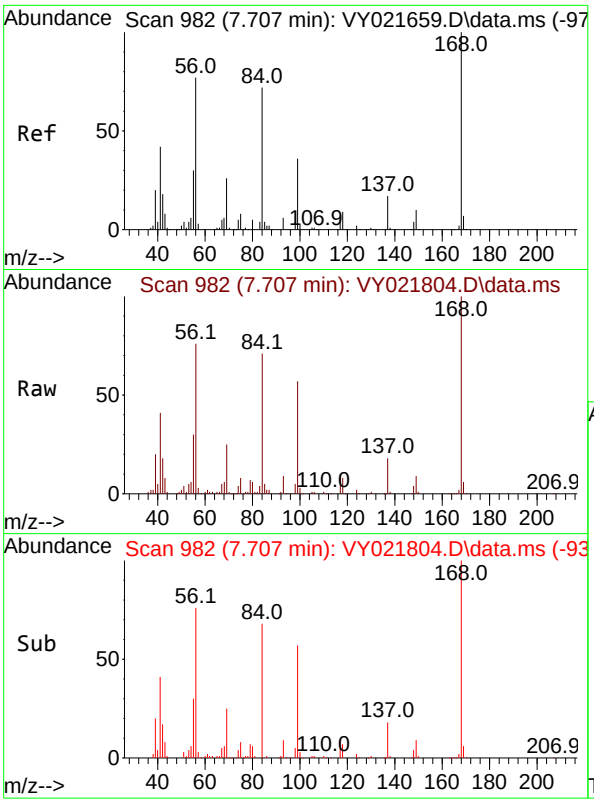
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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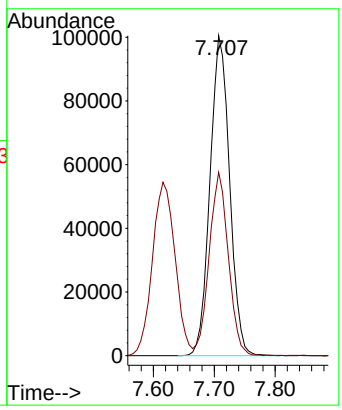




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:168 Resp: 22453

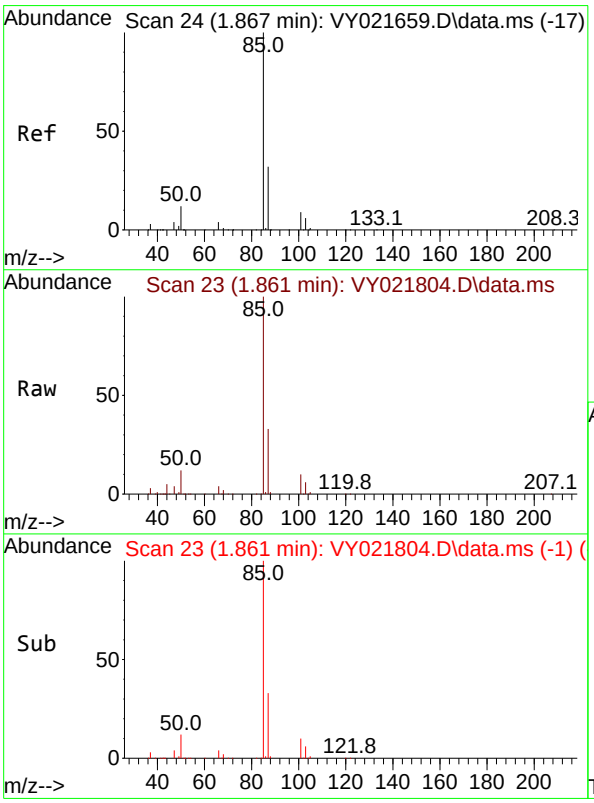
Ion	Ratio	Lower	Upper
168	100		
99	57.2	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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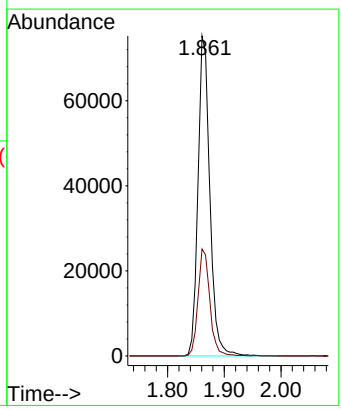
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

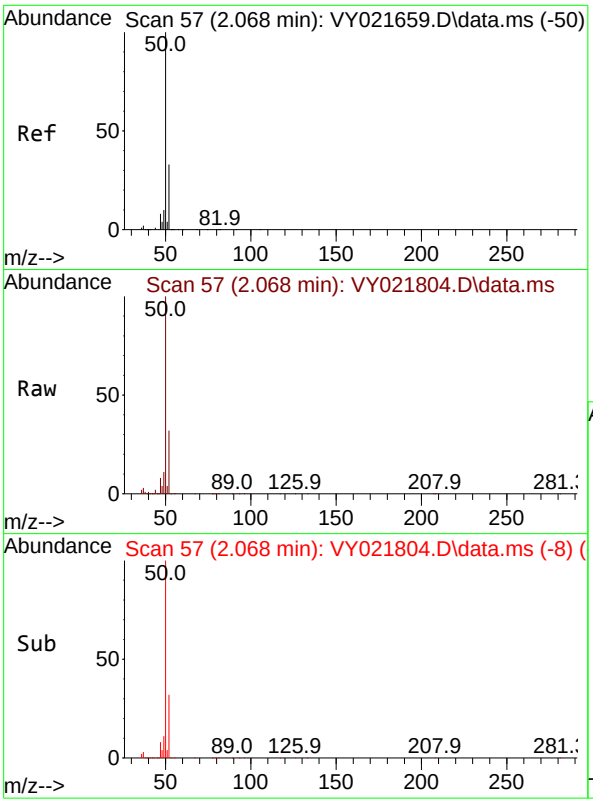


#2
Dichlorodifluoromethane
Concen: 46.885 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 85 Resp: 109111

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.2	48.6

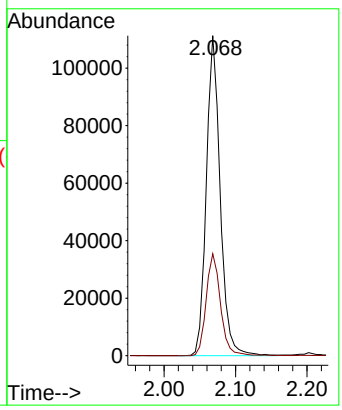




#3
Chloromethane
Concen: 45.826 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 50 Resp: 14996

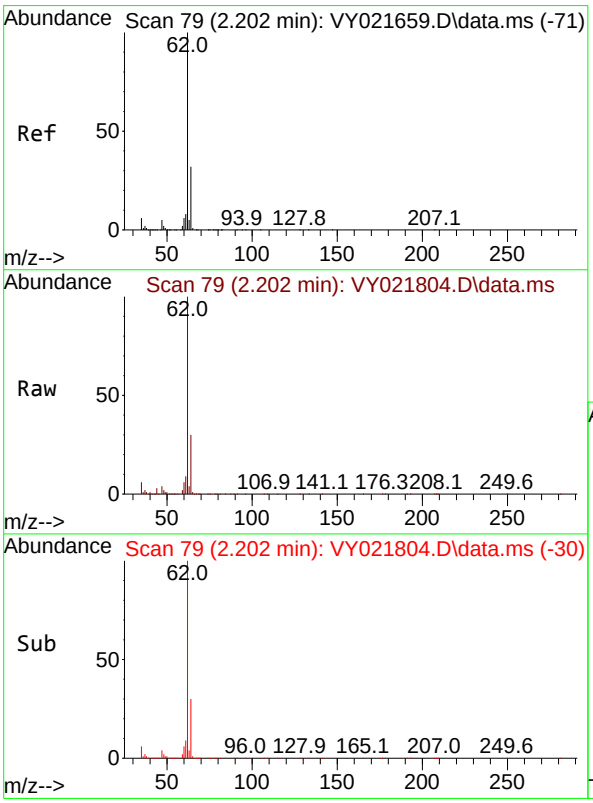
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

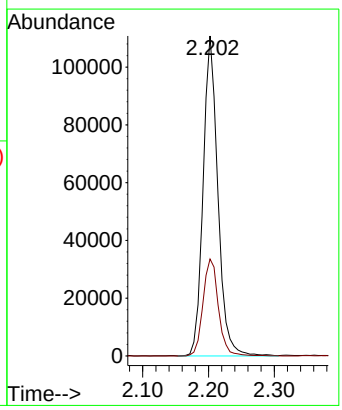
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

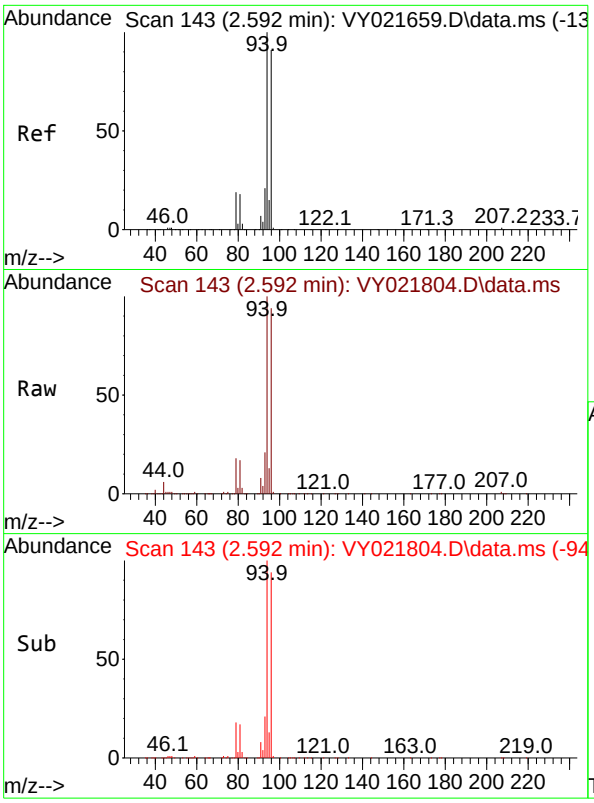


#4
Vinyl Chloride
Concen: 46.675 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 62 Resp: 172733

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.5	38.3





#5
Bromomethane
Concen: 43.454 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

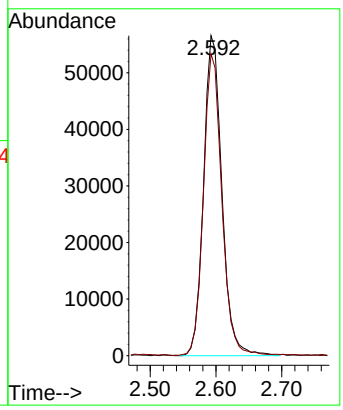
Tgt Ion: 94 Resp: 10968

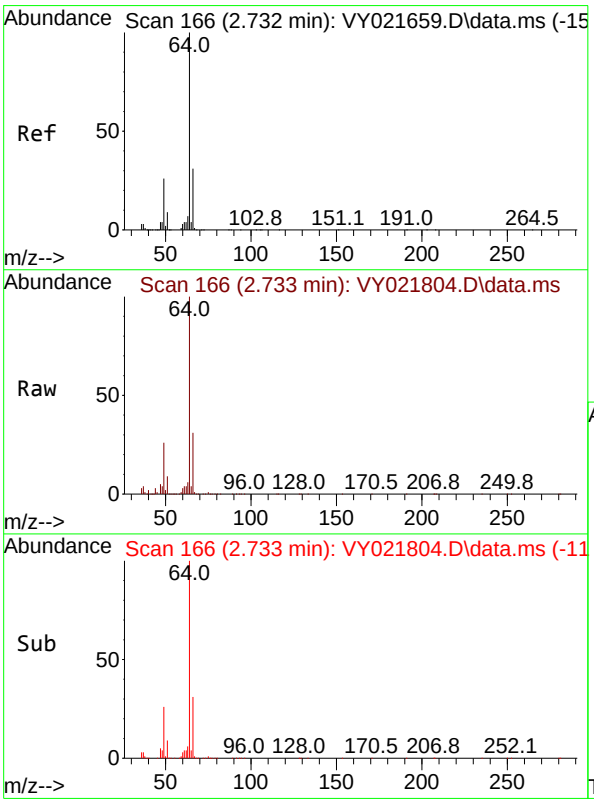
Ion	Ratio	Lower	Upper
94	100		
96	94.1	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

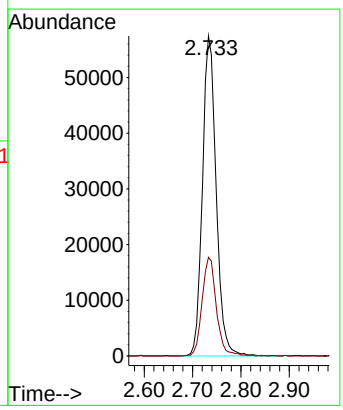


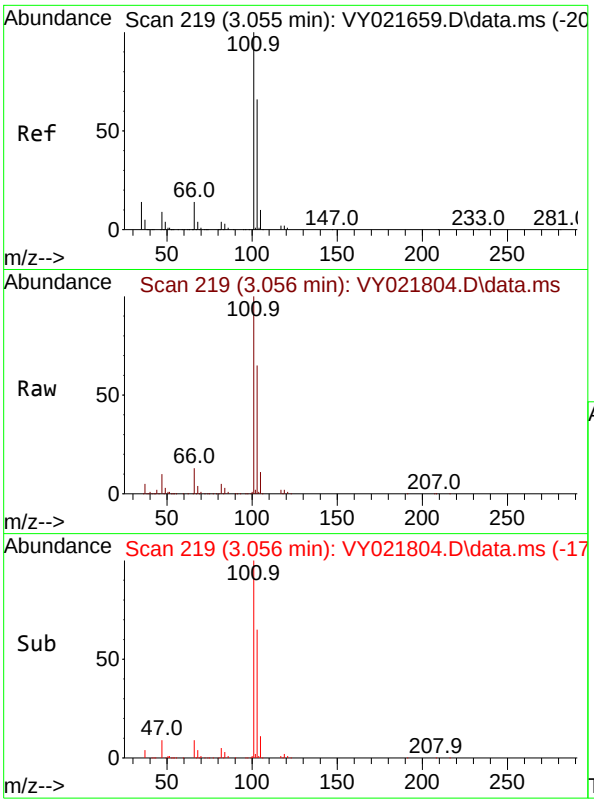


#6
Chloroethane
Concen: 46.787 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 64 Resp: 113301

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.9	37.3





#7
Trichlorofluoromethane
Concen: 47.416 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

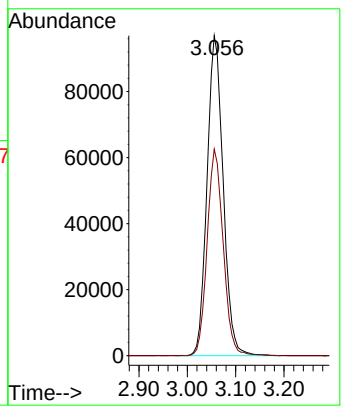
Tgt Ion:101 Resp: 22478

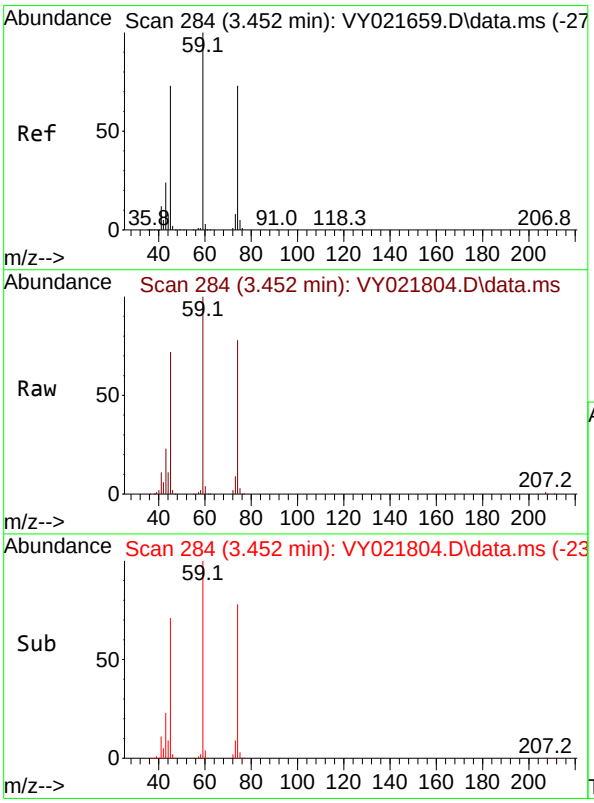
Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.1	79.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

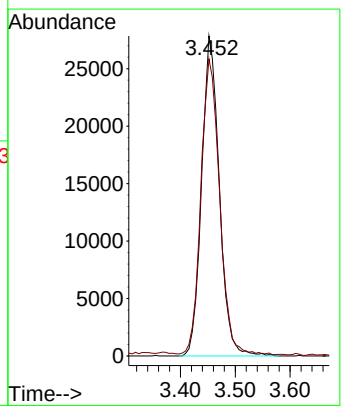


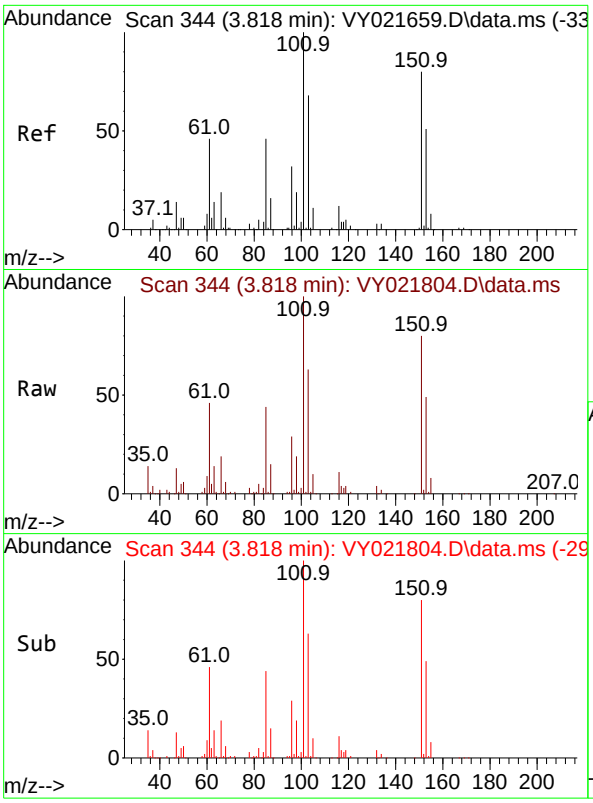


#8
Diethyl Ether
Concen: 48.339 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 74 Resp: 62320

Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.106 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

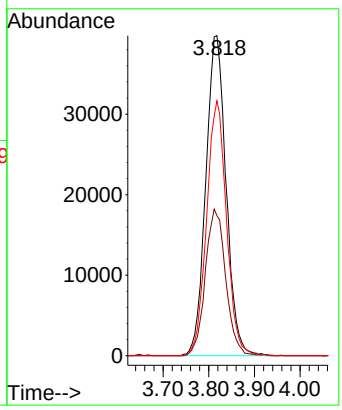
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

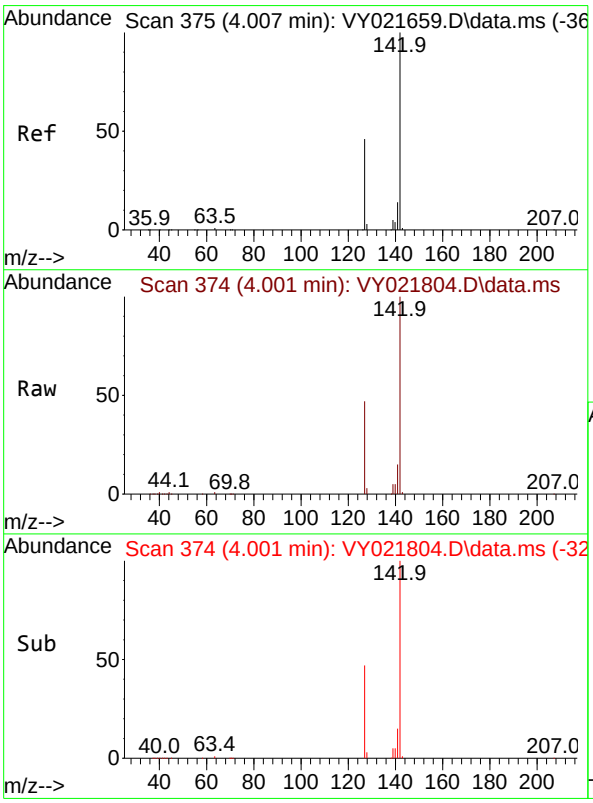
Tgt Ion:101 Resp: 12278

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.3	54.5
151	78.1	61.3	91.9

Manual Integrations
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Supervised By :Semsettin Yesilyurt 04/08/2025

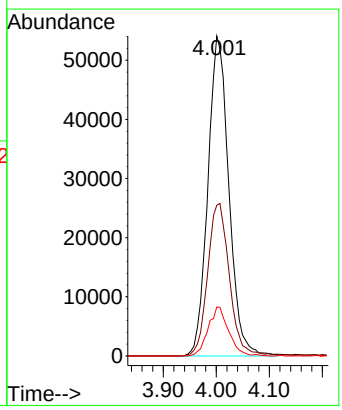


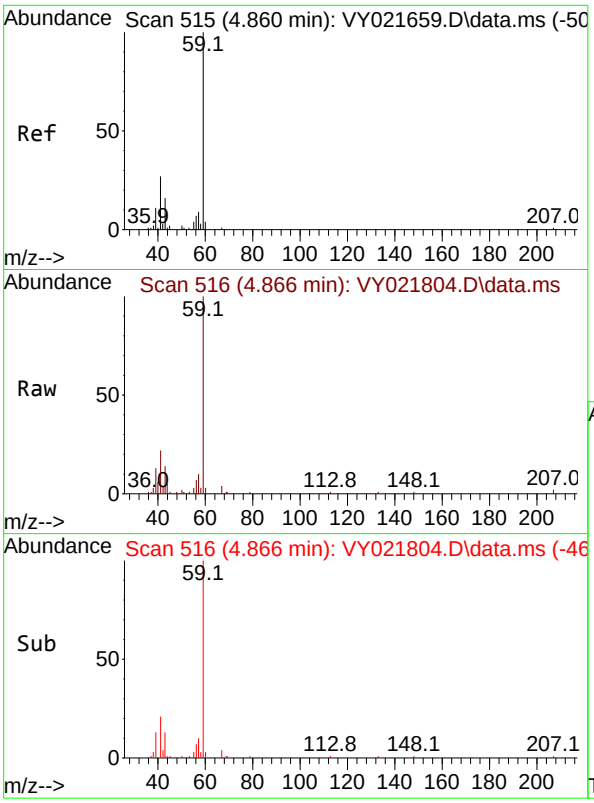


#10
Methyl Iodide
Concen: 54.276 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:142 Resp: 148881

Ion	Ratio	Lower	Upper
142	100		
127	49.5	38.7	58.1
141	14.8	11.5	17.3

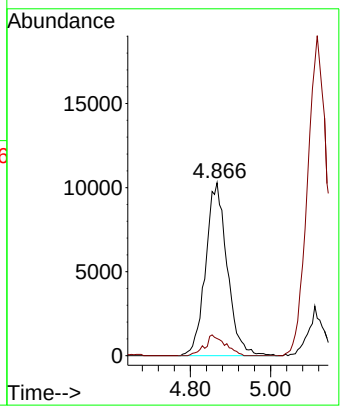




#11
Tert butyl alcohol
Concen: 243.094 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 59 Resp: 3841

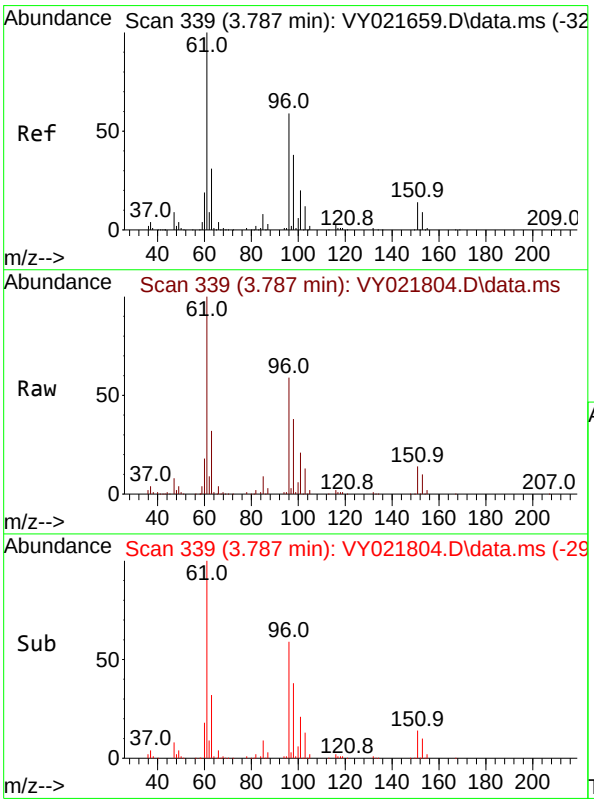
Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

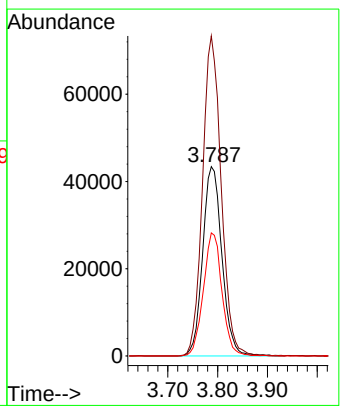
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

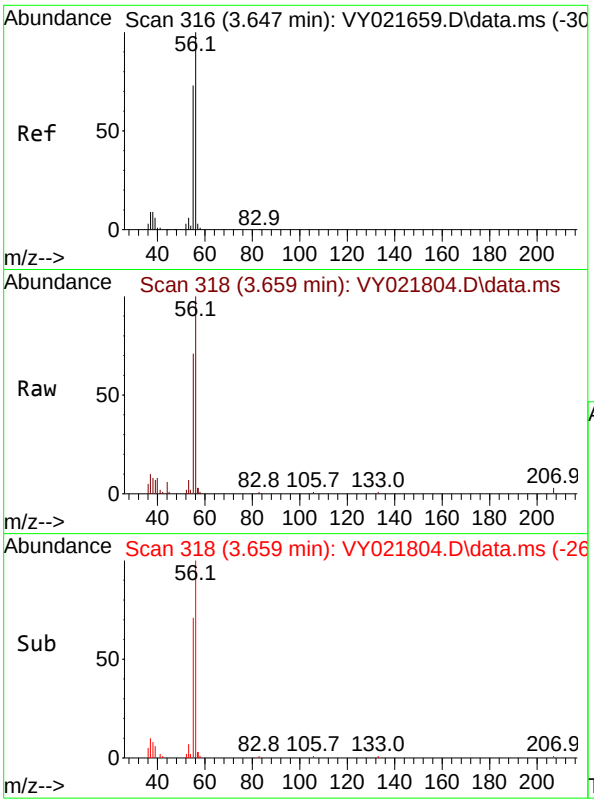


#12
1,1-Dichloroethene
Concen: 49.389 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 96 Resp: 116318

Ion	Ratio	Lower	Upper
96	100		
61	169.1	136.6	204.8
98	65.0	52.3	78.5

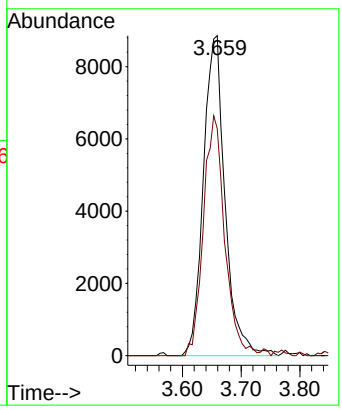




#13
Acrolein
Concen: 78.732 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 56 Resp: 2271

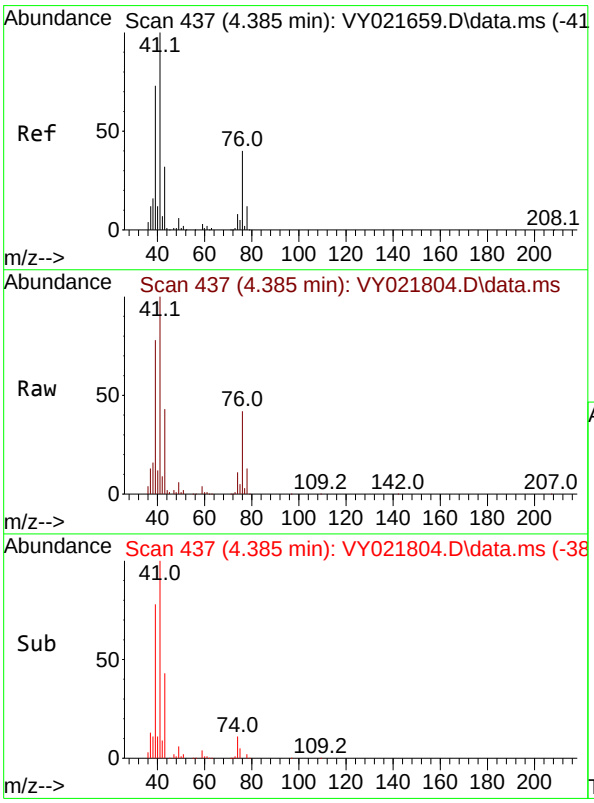
Ion	Ratio	Lower	Upper
56	100		
55	73.5	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

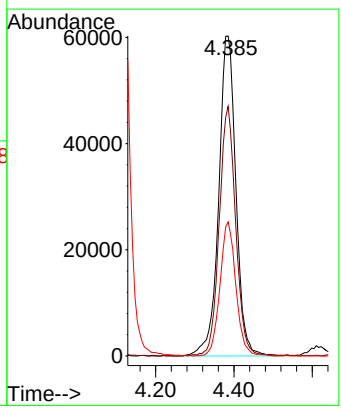
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

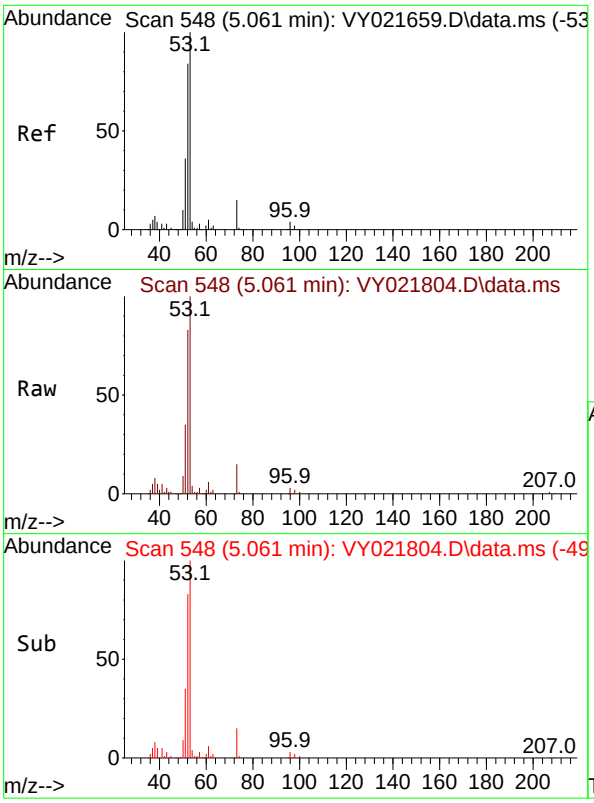


#14
Allyl chloride
Concen: 49.061 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 41 Resp: 184227

Ion	Ratio	Lower	Upper
41	100		
39	74.7	58.6	88.0
76	38.8	30.3	45.5





#15
Acrylonitrile
Concen: 253.002 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

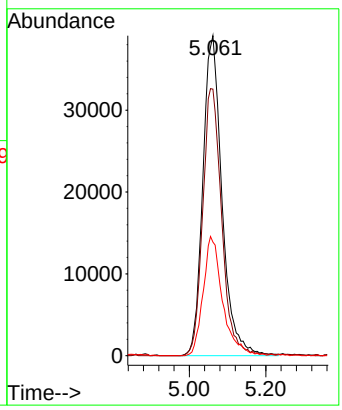
Tgt Ion: 53 Resp: 13619

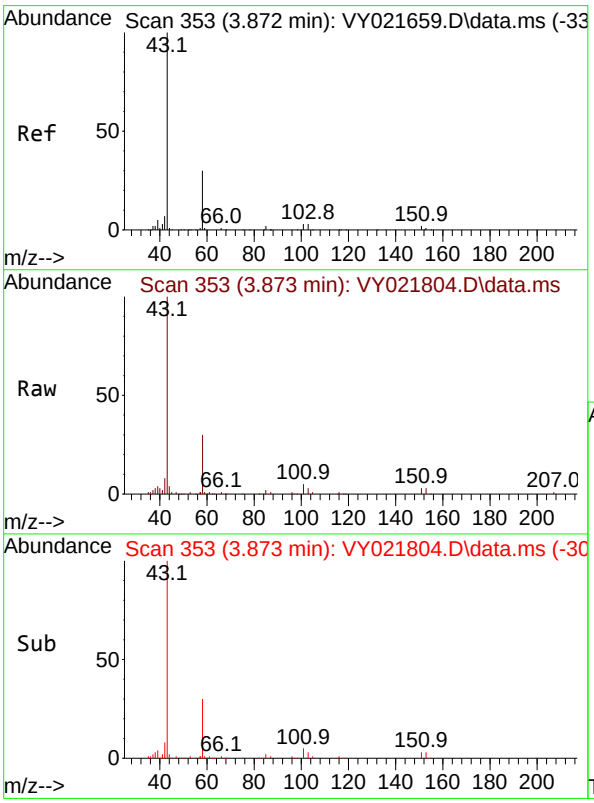
Ion	Ratio	Lower	Upper
53	100		
52	82.7	64.9	97.3
51	37.8	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

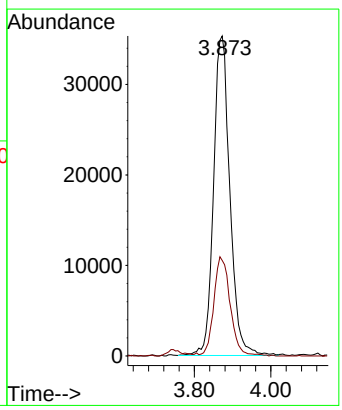


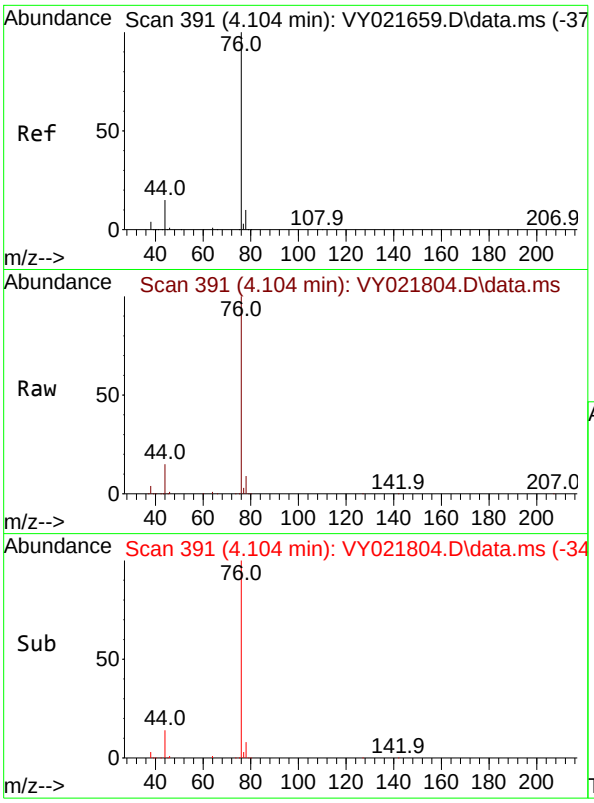


#16
Acetone
Concen: 209.922 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 104517

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.4





#17
Carbon Disulfide
Concen: 46.691 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

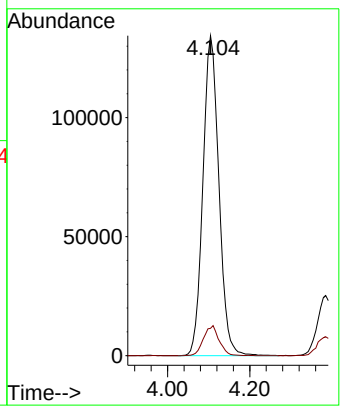
Tgt Ion: 76 Resp: 36218

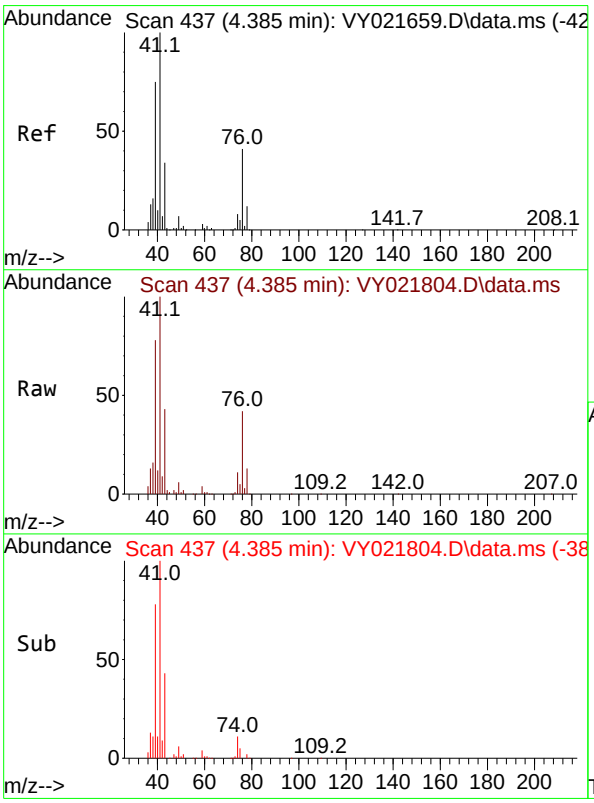
Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

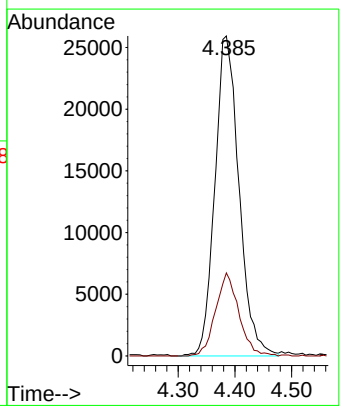


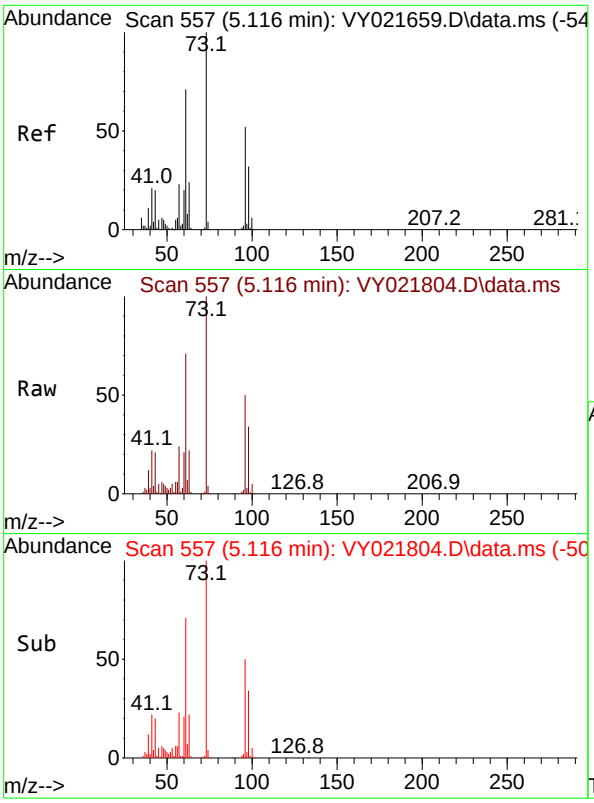


#18
Methyl Acetate
Concen: 61.991 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 76494

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.1	28.7

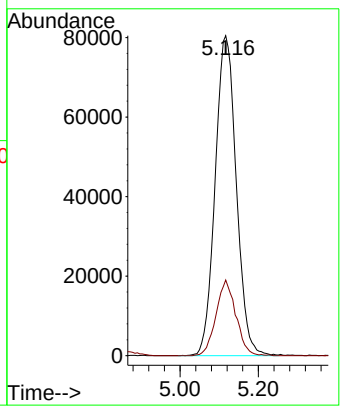




#19
Methyl tert-butyl Ether
Concen: 51.489 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 73 Resp: 30190

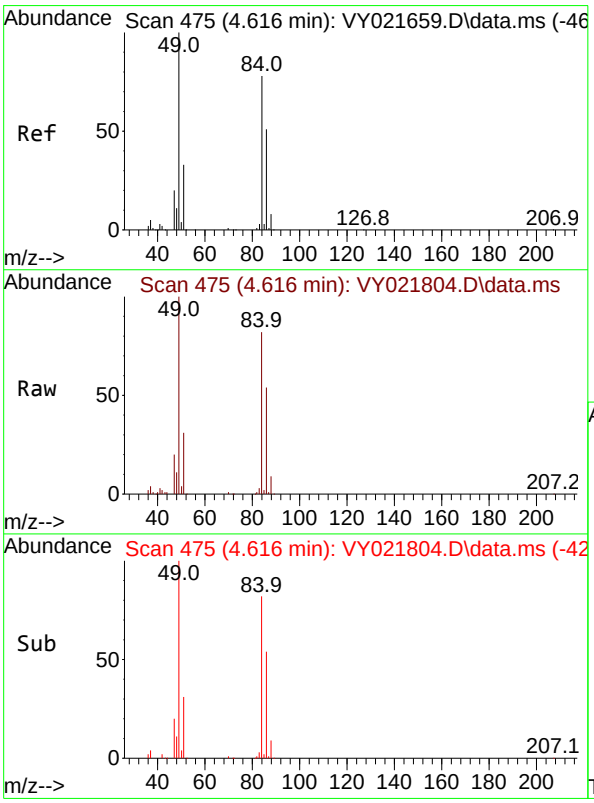
Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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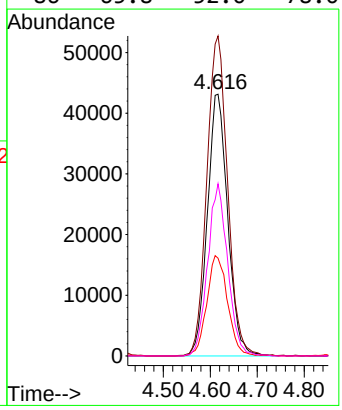
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

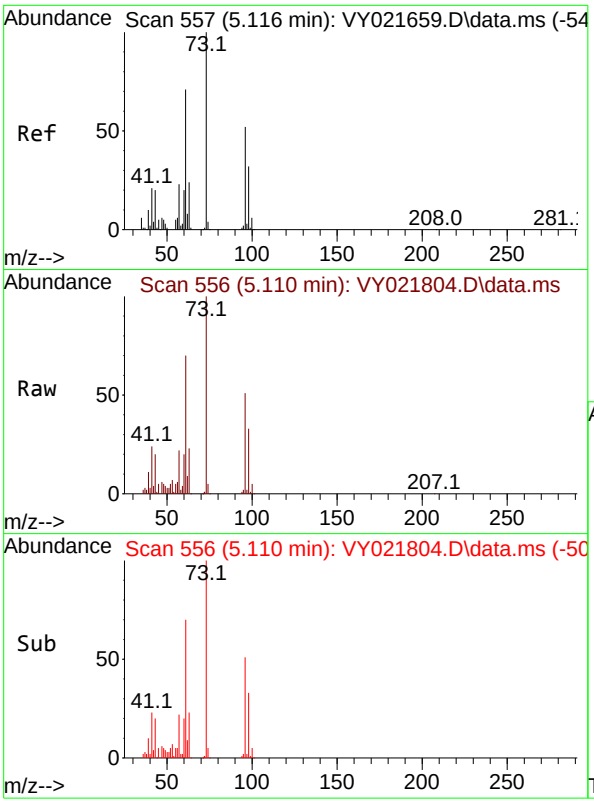


#20
Methylene Chloride
Concen: 53.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 84 Resp: 129704

Ion	Ratio	Lower	Upper
84	100		
49	122.1	102.8	154.2
51	37.4	33.5	50.3
86	65.8	52.0	78.0

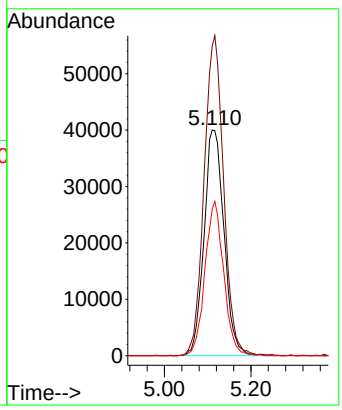




#21
trans-1,2-Dichloroethene
Concen: 49.480 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 96 Resp: 12830

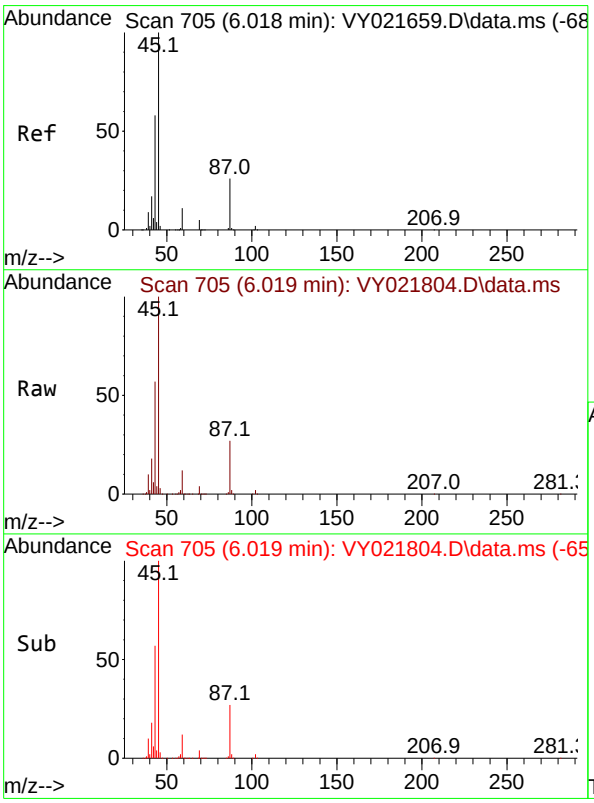
Ion	Ratio	Lower	Upper
96	100		
61	137.3	109.4	164.0
98	64.9	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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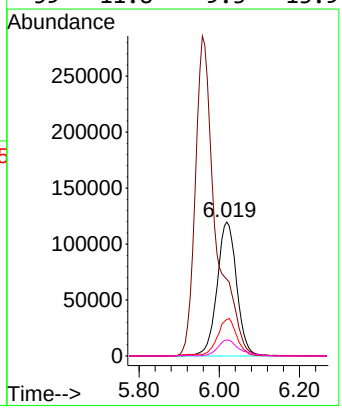
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

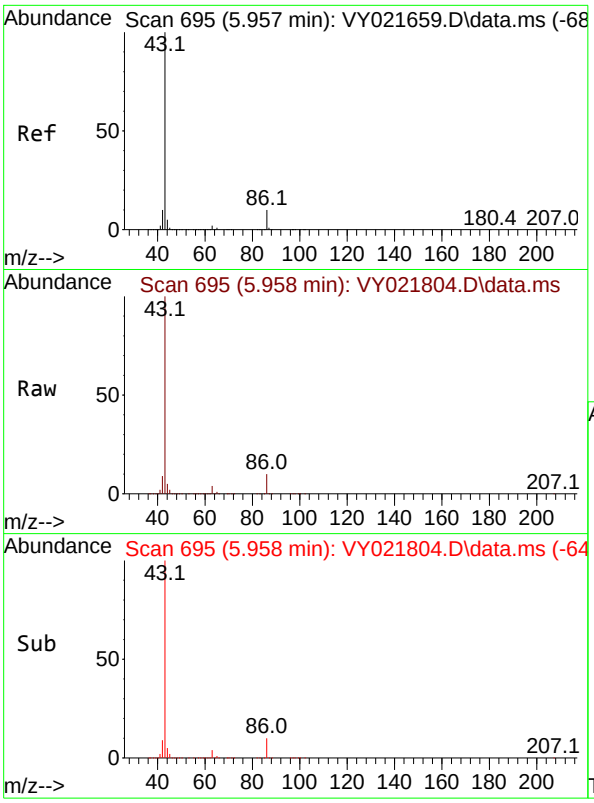


#22
Diisopropyl ether
Concen: 51.594 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 45 Resp: 406412

Ion	Ratio	Lower	Upper
45	100		
43	56.9	46.6	69.8
87	27.2	20.7	31.1
59	11.8	9.3	13.9

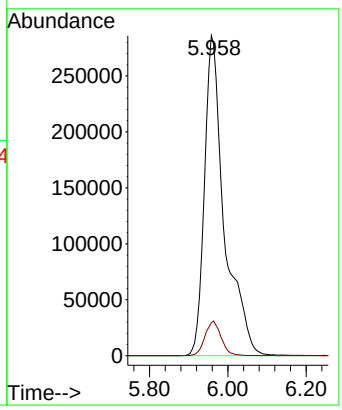




#23
Vinyl Acetate
Concen: 218.278 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 100585

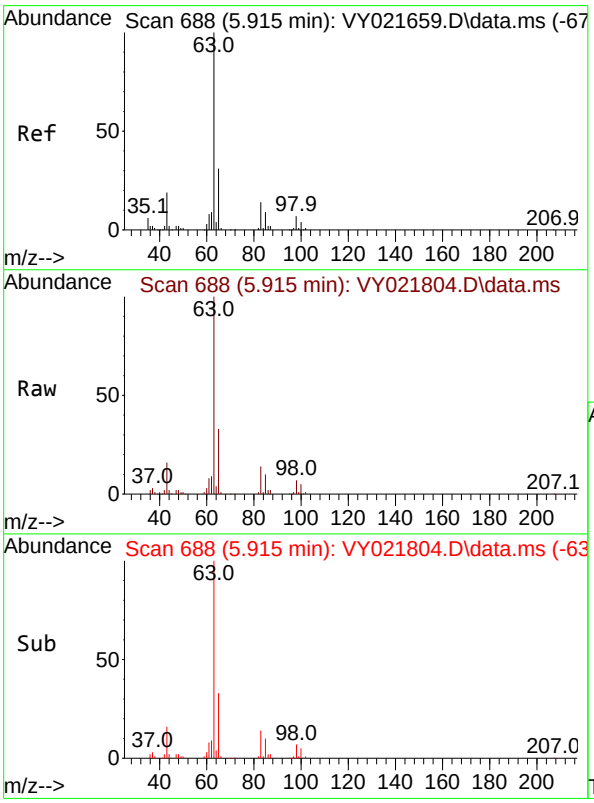
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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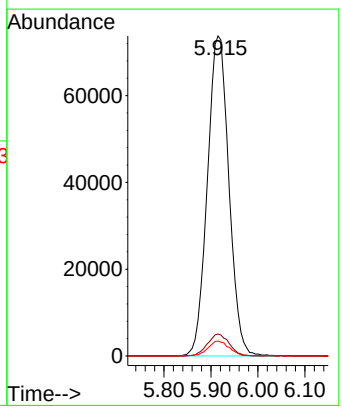
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

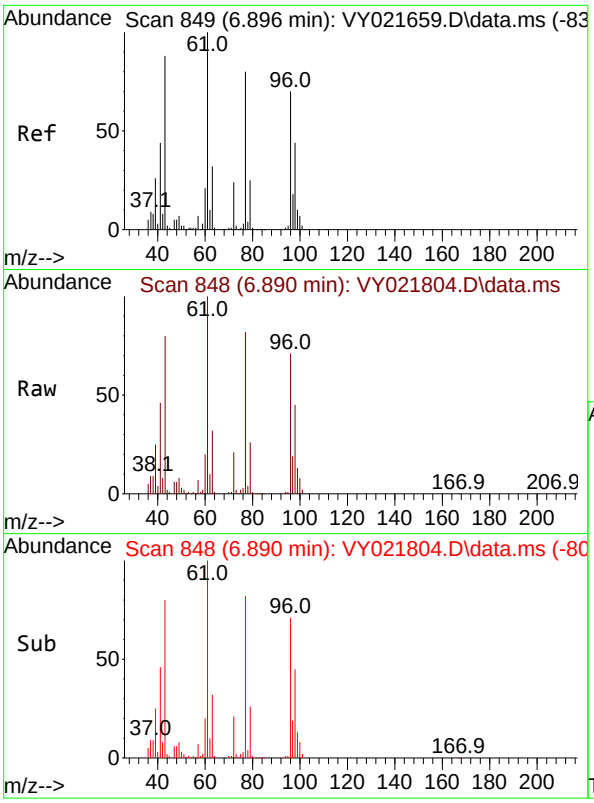


#24
1,1-Dichloroethane
Concen: 49.834 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 63 Resp: 234722

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	4.6	2.2	6.6





#25
2-Butanone
Concen: 242.513 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

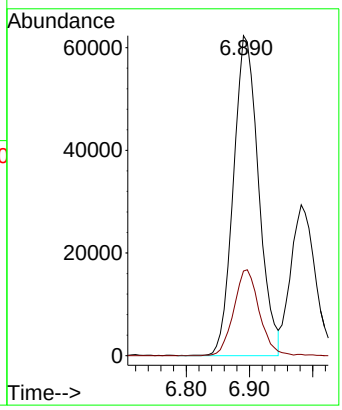
Tgt Ion: 43 Resp: 17246

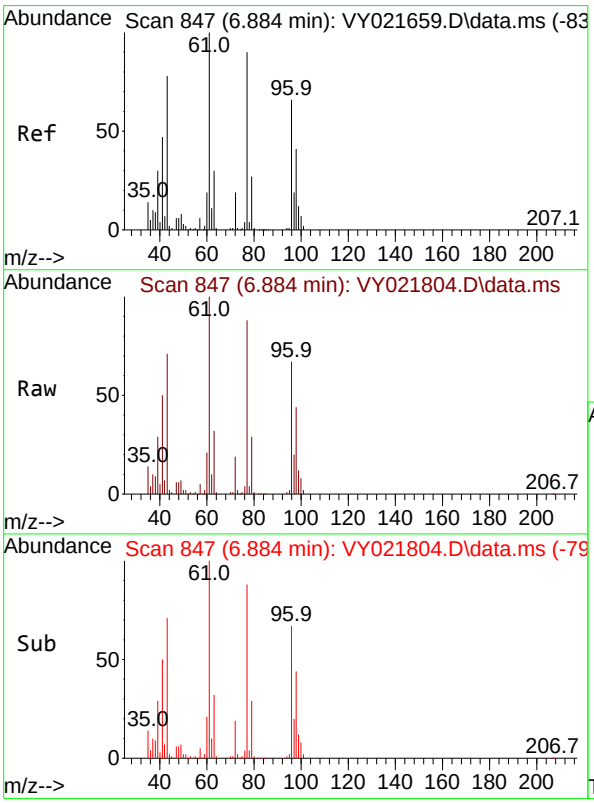
Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

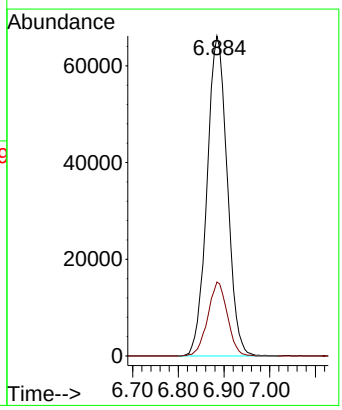


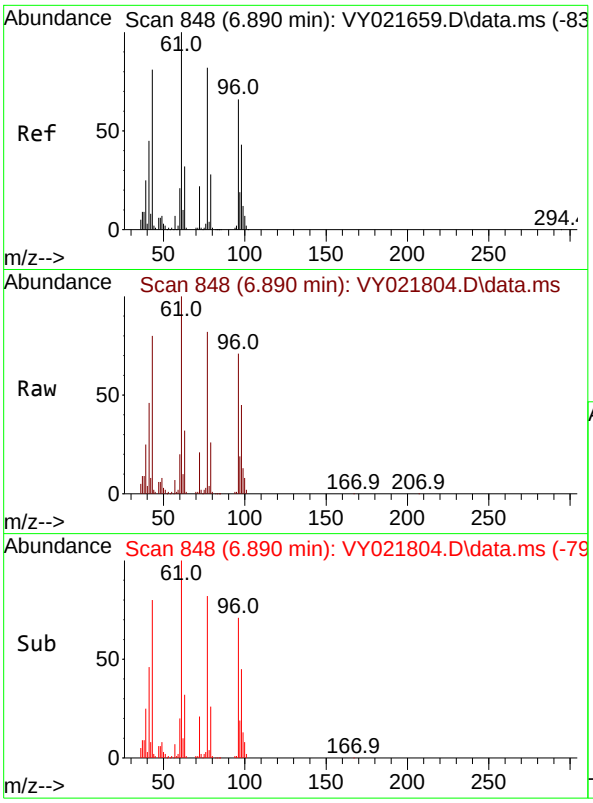


#26
2,2-Dichloropropane
Concen: 48.532 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 77 Resp: 203337

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 50.515 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

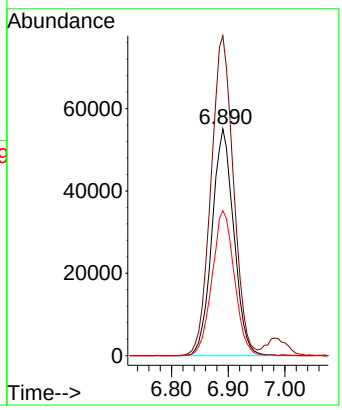
Tgt Ion: 96 Resp: 14730

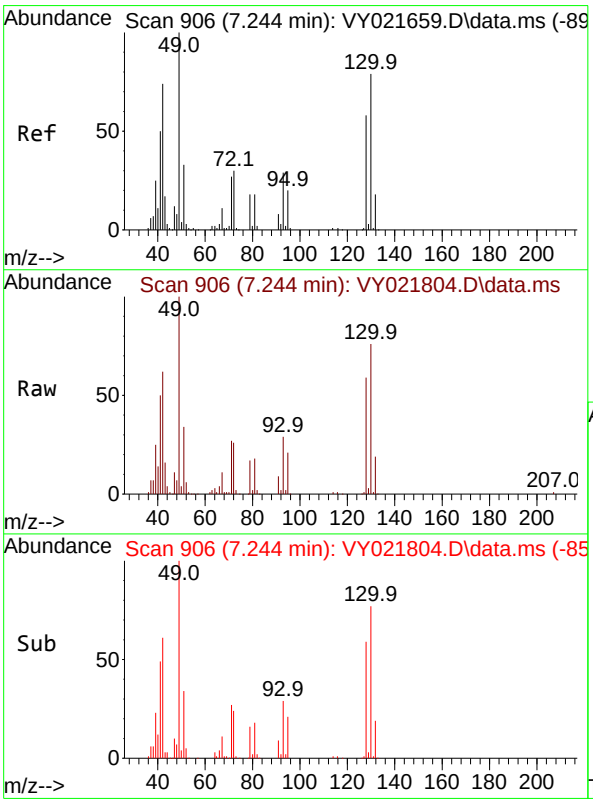
Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	296.4
98	65.4	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

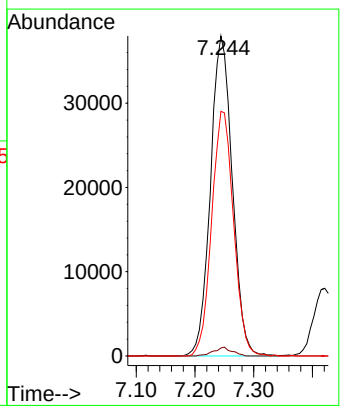


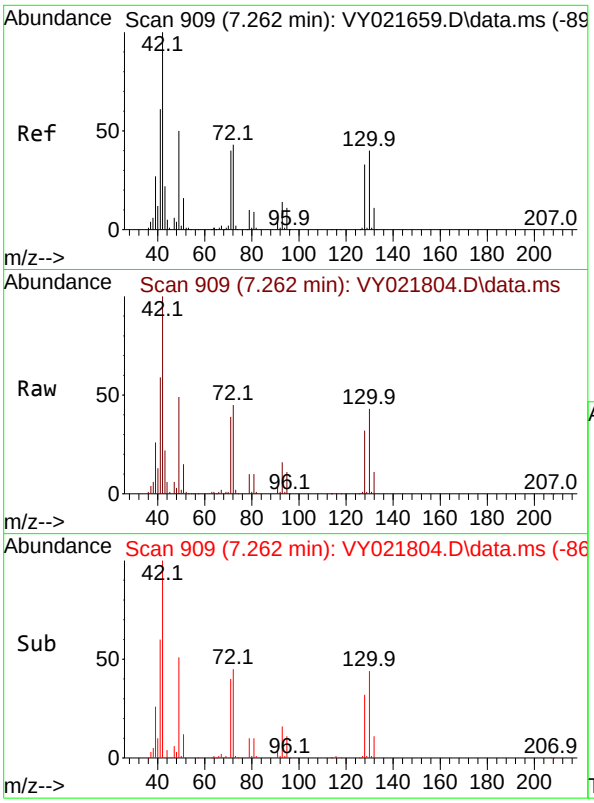


#28
Bromochloromethane
Concen: 49.382 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 49 Resp: 98094

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.6	60.1	90.1





#29
Tetrahydrofuran
Concen: 258.784 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

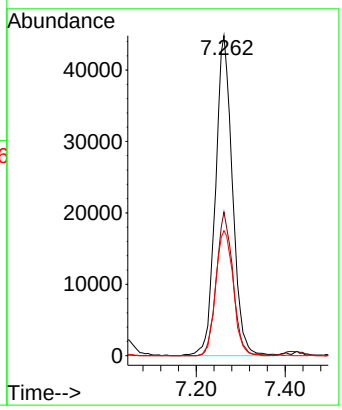
Tgt Ion: 42 Resp: 11844

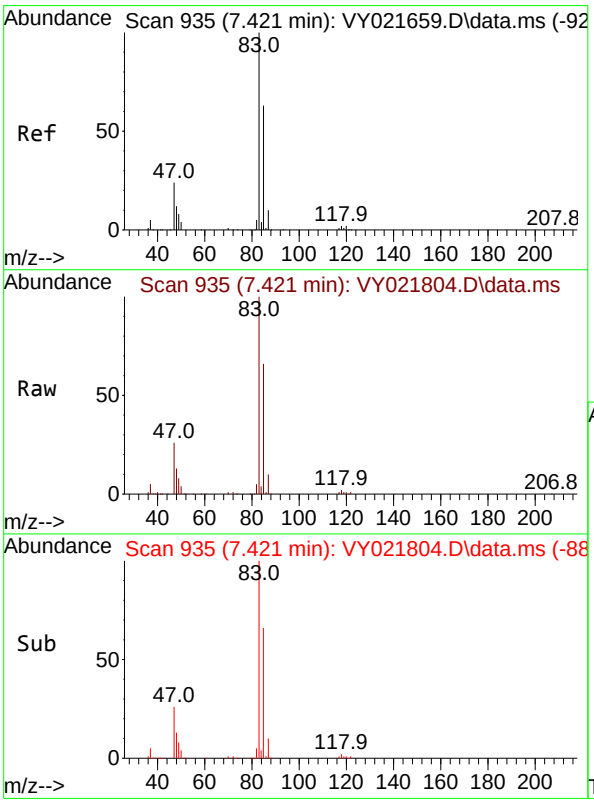
Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	52.0
71	40.6	32.5	48.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

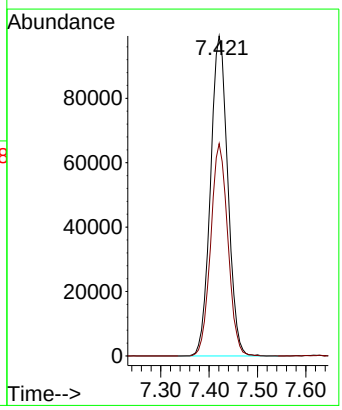


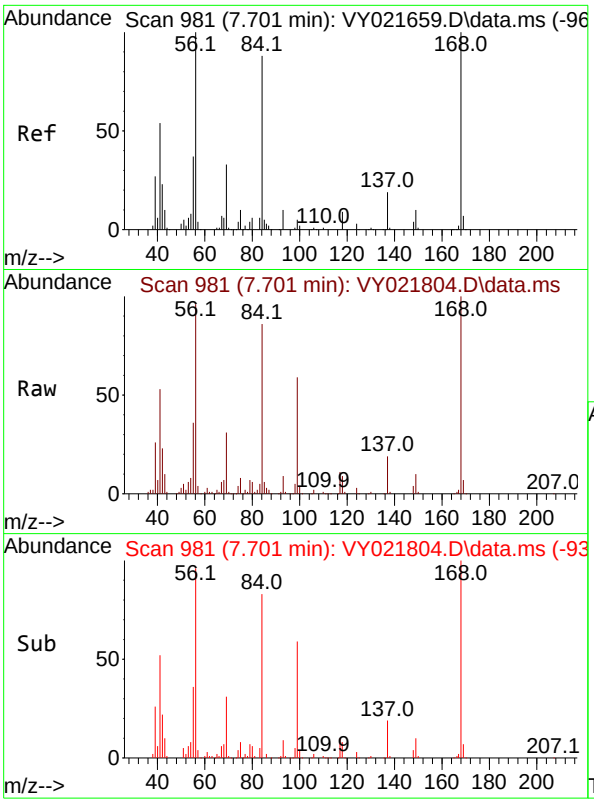


#30
Chloroform
Concen: 50.278 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 83 Resp: 246310

Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.6	75.8





#31
Cyclohexane
Concen: 47.519 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

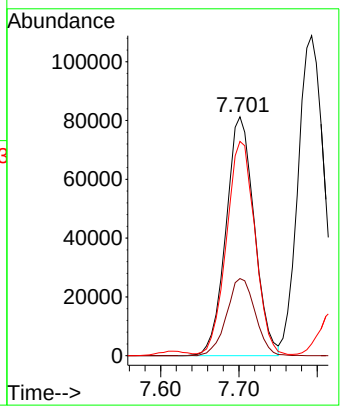
Tgt Ion: 56 Resp: 20403

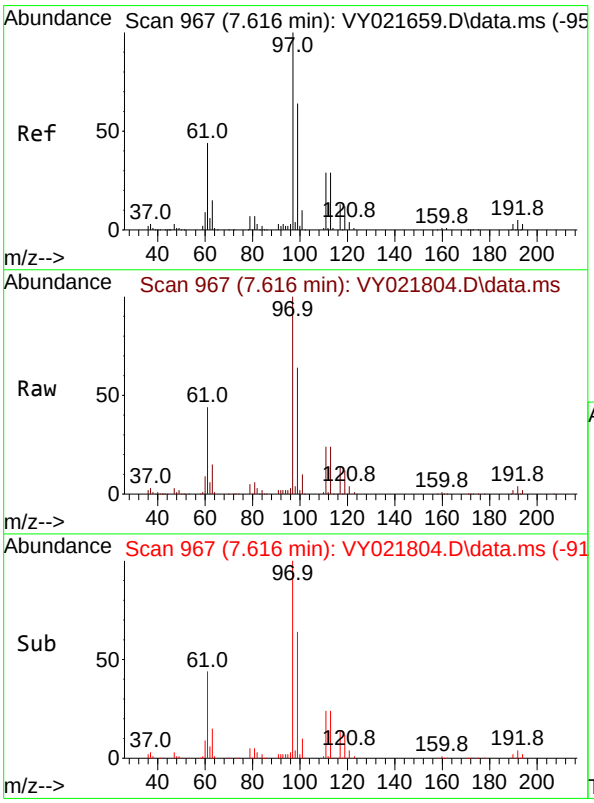
Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.6	40.0
84	87.9	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

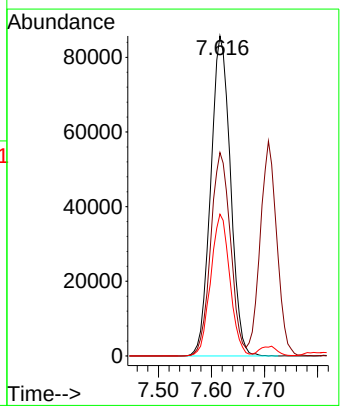


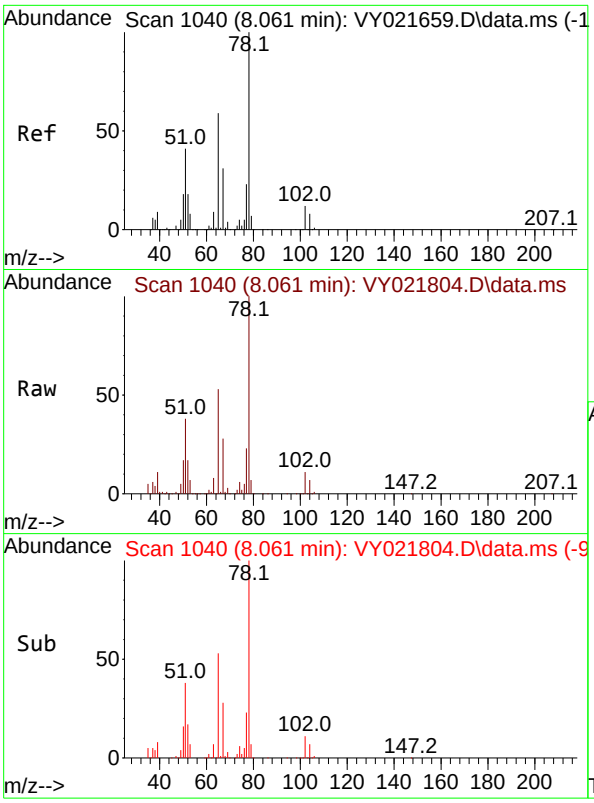


#32
1,1,1-Trichloroethane
Concen: 49.982 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 97 Resp: 221309

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	43.2	35.2	52.8

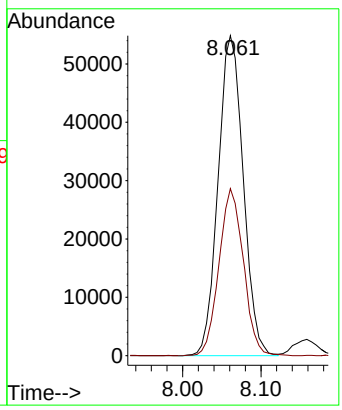




#33
1,2-Dichloroethane-d4
Concen: 50.315 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 65 Resp: 12240

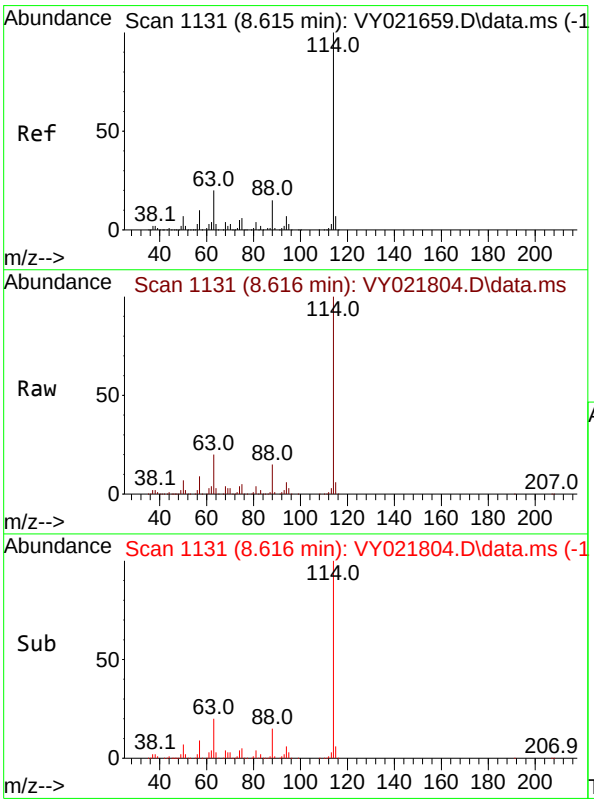
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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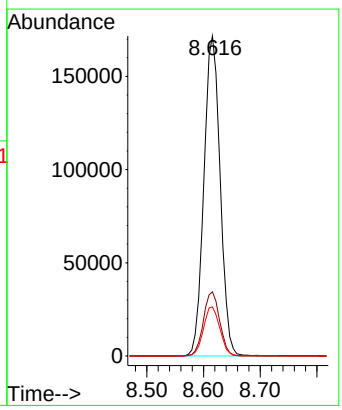
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

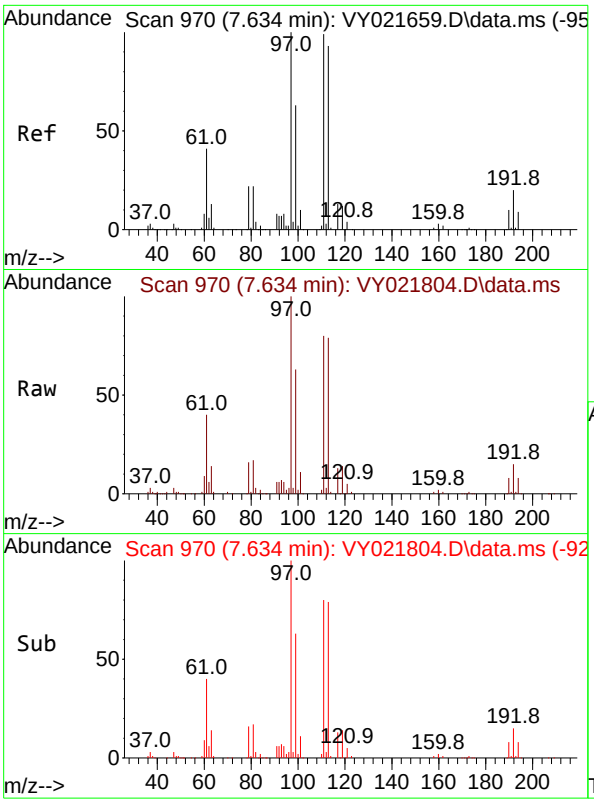


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:114 Resp: 341352

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.3	0.0	29.8

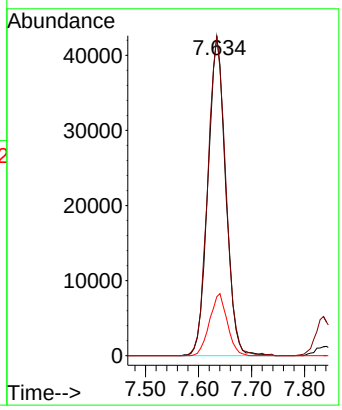




#35
Dibromofluoromethane
Concen: 44.664 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:113 Resp: 9889

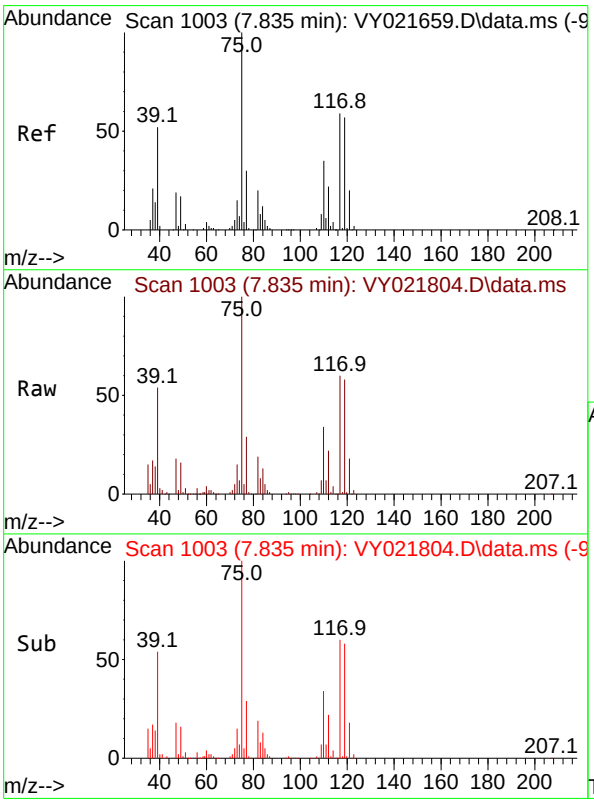
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	123.8
192	19.4	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

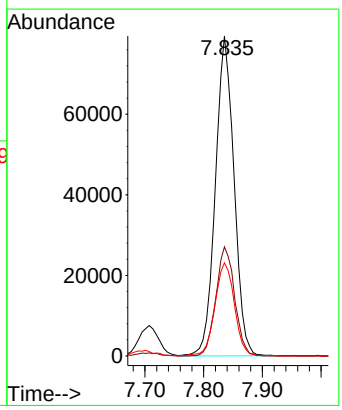
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

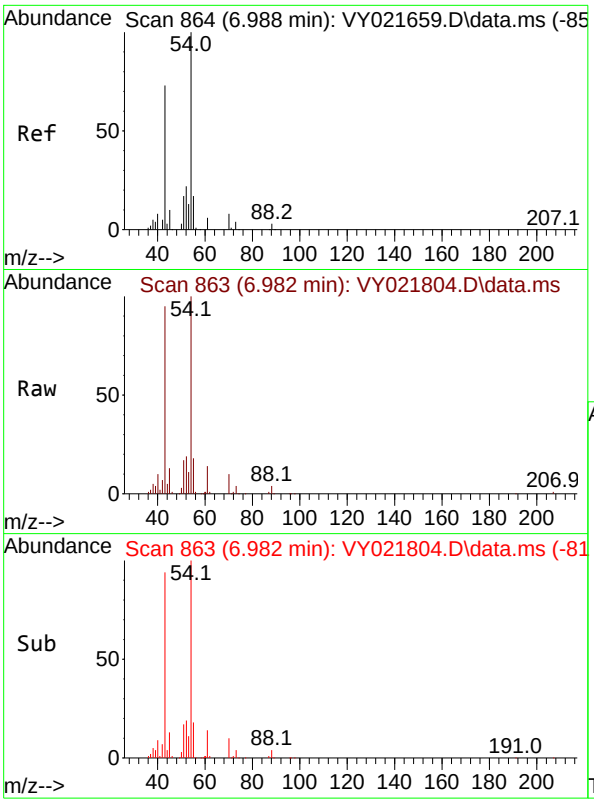


#36
1,1-Dichloropropene
Concen: 51.820 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 174776

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.5	24.8	37.2





#37
Ethyl Acetate
Concen: 50.589 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

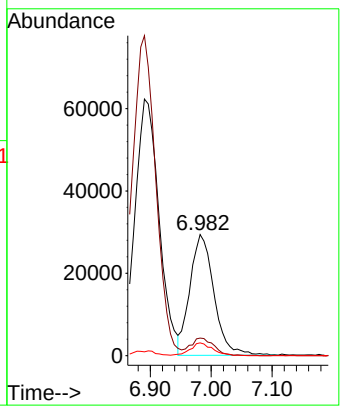
Tgt Ion: 43 Resp: 8052

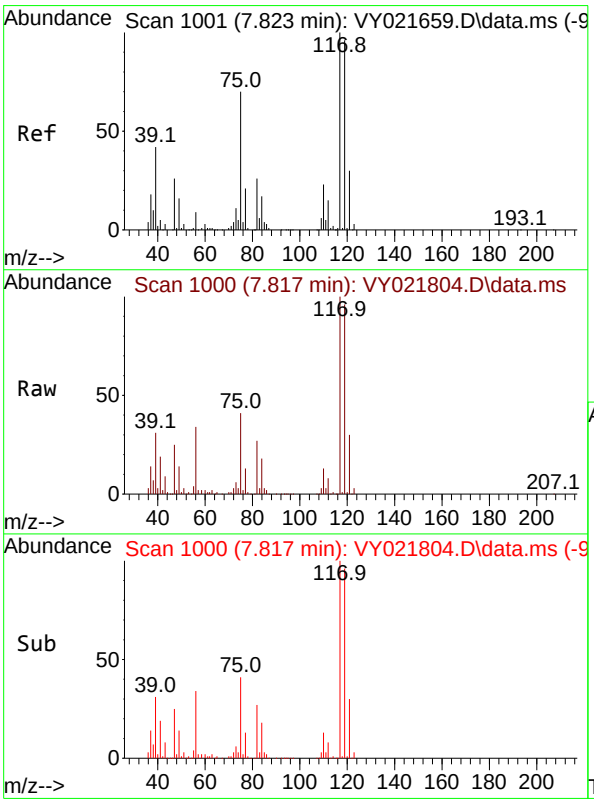
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	9.9	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

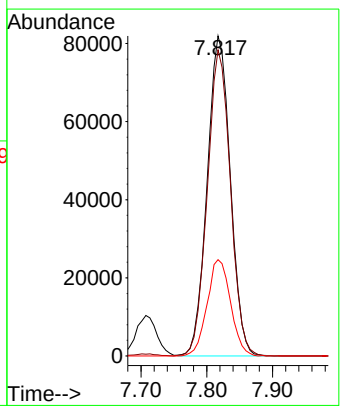


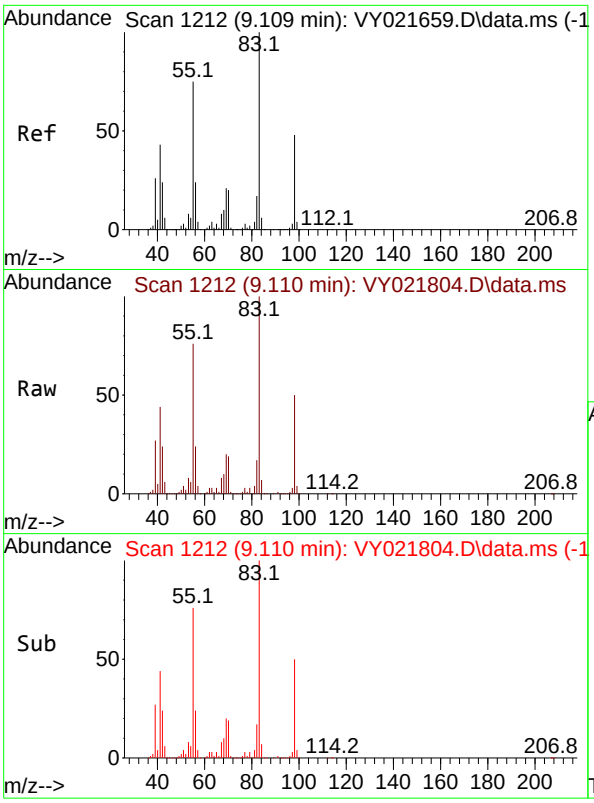


#38
Carbon Tetrachloride
Concen: 52.071 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:117 Resp: 201147

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.2	114.4
121	30.1	24.2	36.4

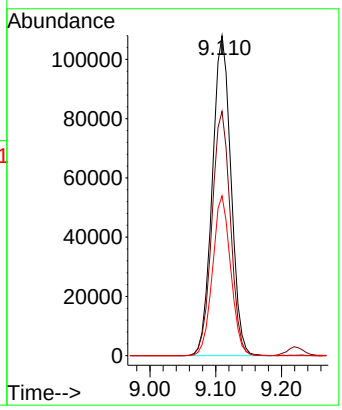




#39
Methylcyclohexane
Concen: 53.002 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 83 Resp: 21355

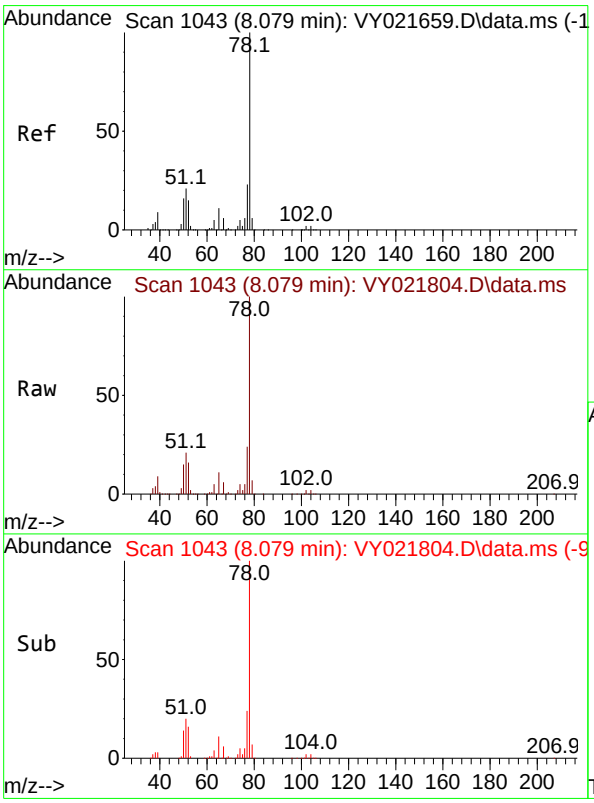
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	50.0	38.3	57.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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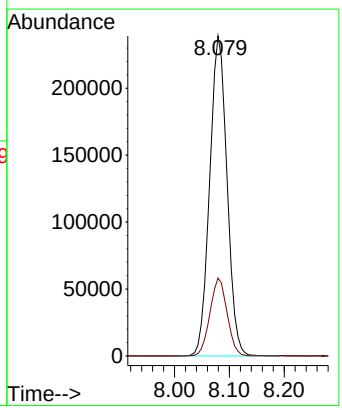
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

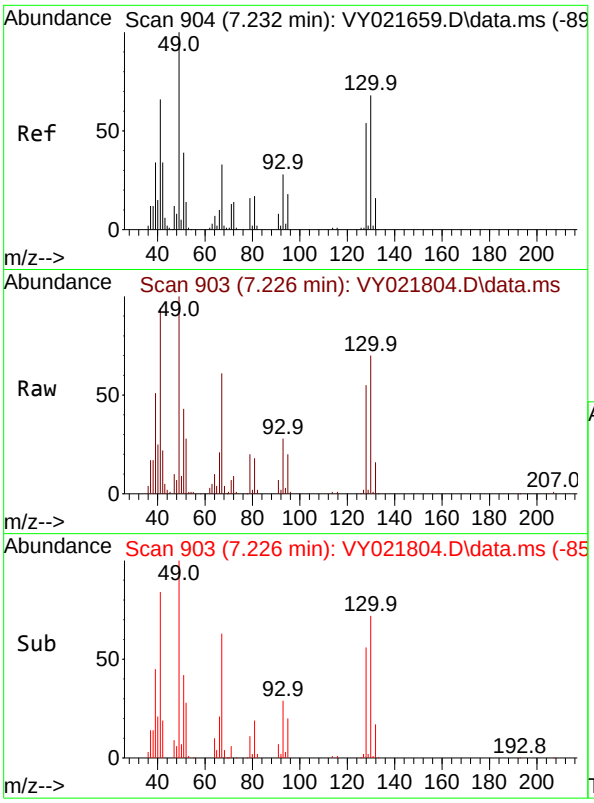


#40
Benzene
Concen: 51.889 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 78 Resp: 524100

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

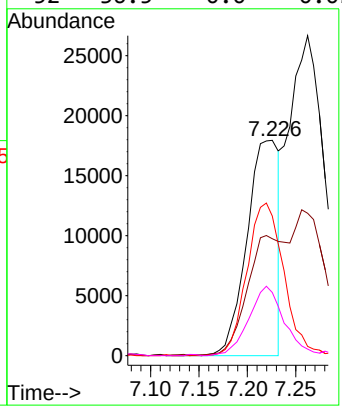




#41
Methacrylonitrile
Concen: 48.707 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

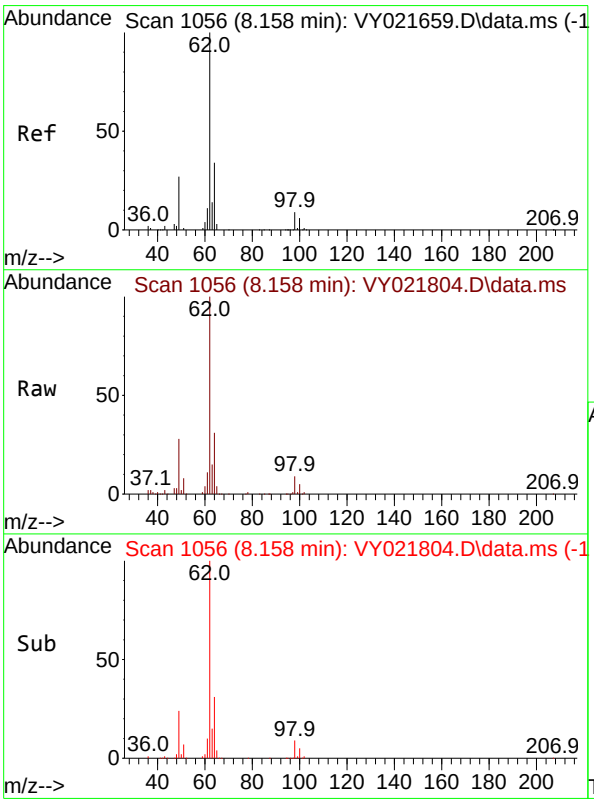
Tgt Ion: 41 Resp: 4117

Ion	Ratio	Lower	Upper
41	100		
39	63.5	0.0	0.0#
67	82.3	0.0	0.0#
52	36.5	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

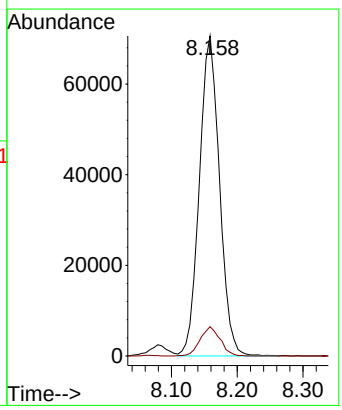
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

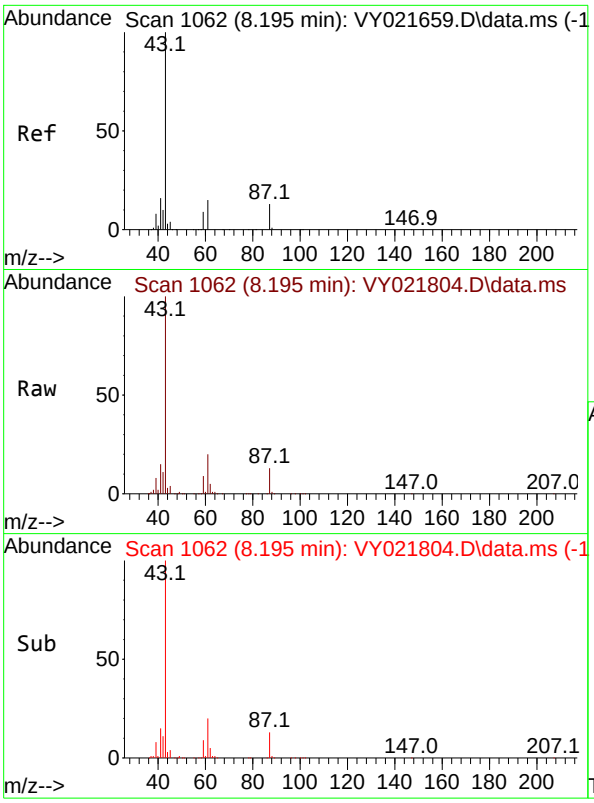


#42
1,2-Dichloroethane
Concen: 52.720 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 62 Resp: 150119

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 52.690 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

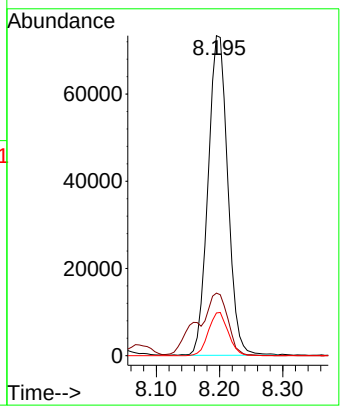
Tgt Ion: 43 Resp: 15893

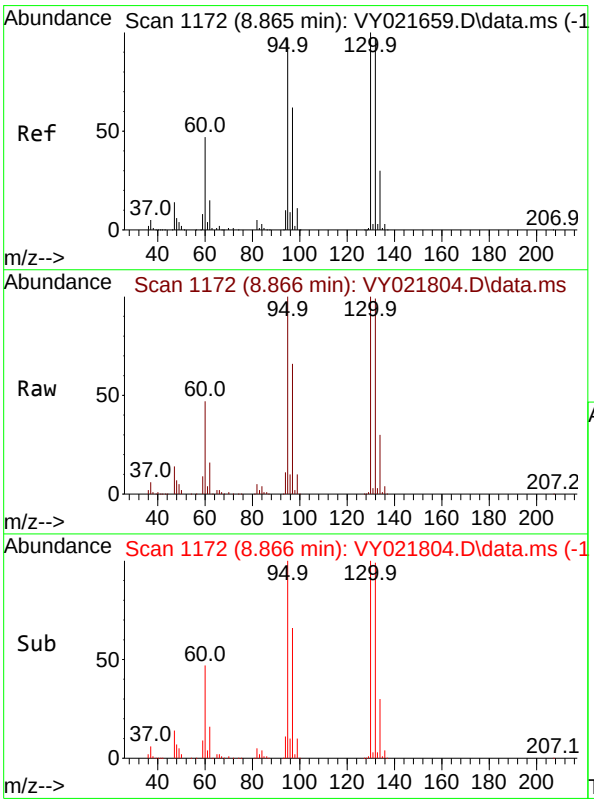
Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.9	23.9
87	13.6	10.4	15.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

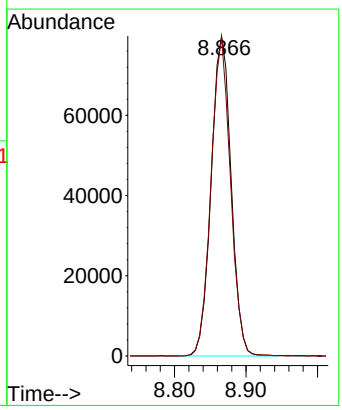


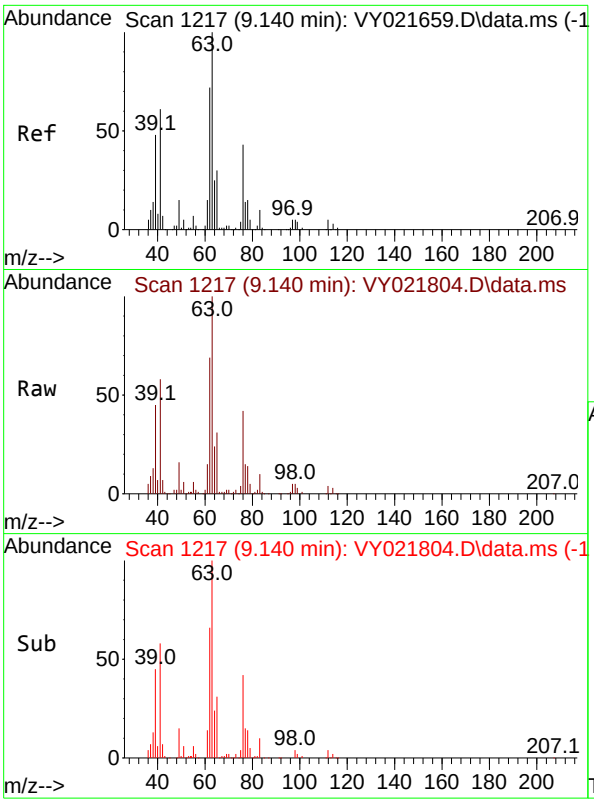


#44
Trichloroethene
Concen: 59.815 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:130 Resp: 153934

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	194.8

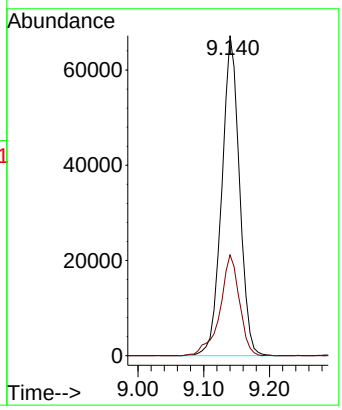




#45
1,2-Dichloropropane
Concen: 52.726 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 63 Resp: 12606

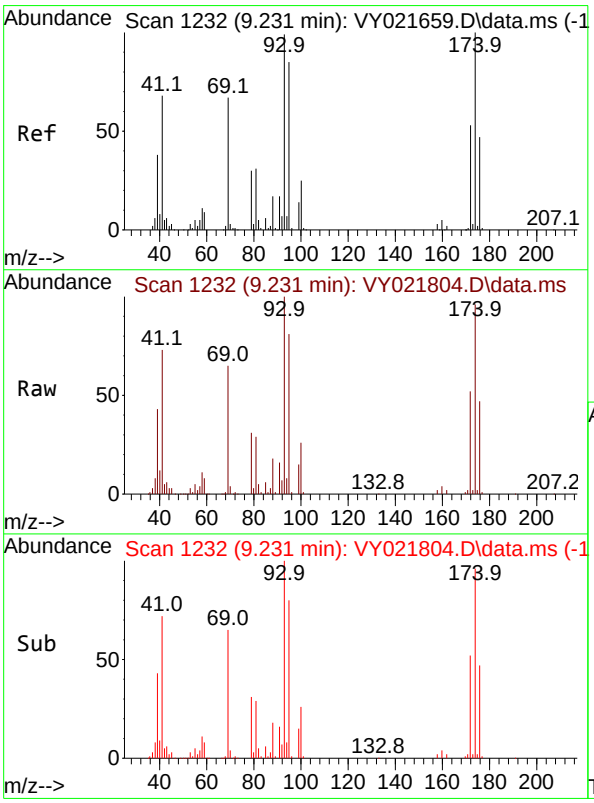
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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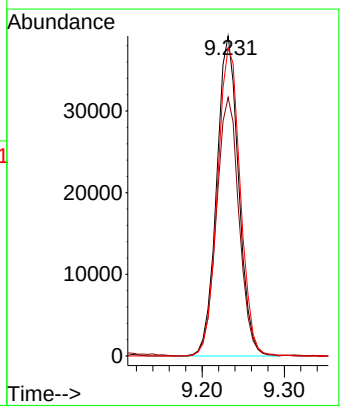
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

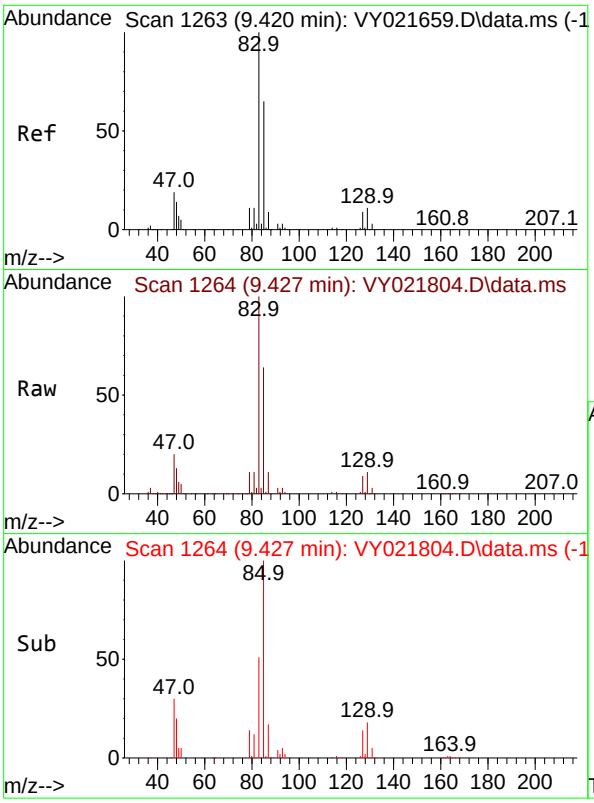


#46
Dibromomethane
Concen: 52.805 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 93 Resp: 72759

Ion	Ratio	Lower	Upper
93	100		
95	83.1	68.1	102.1
174	100.0	80.9	121.3

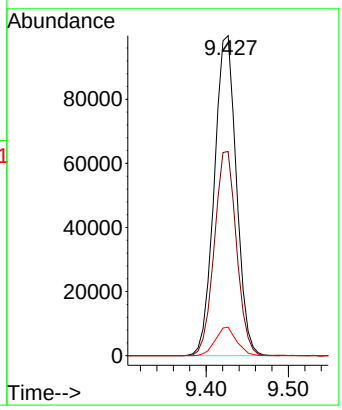




#47
Bromodichloromethane
Concen: 52.215 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 83 Resp: 18642

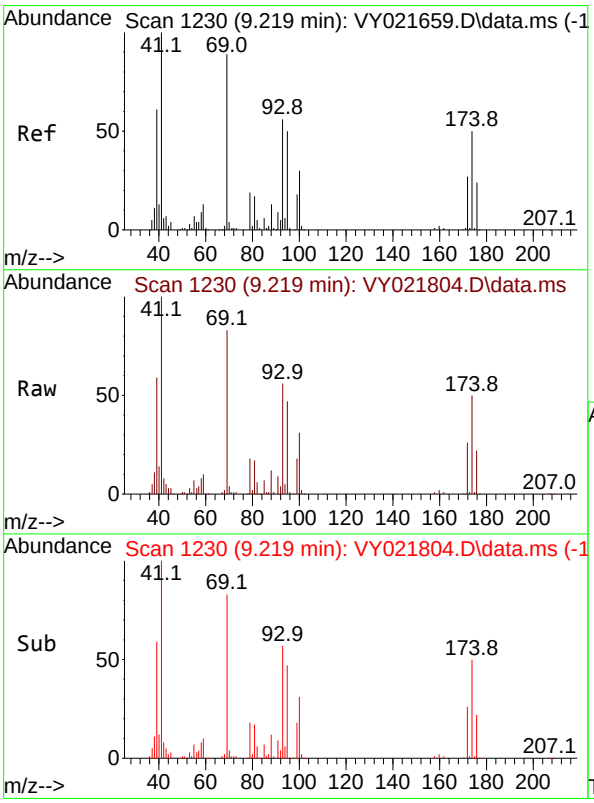
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.9	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

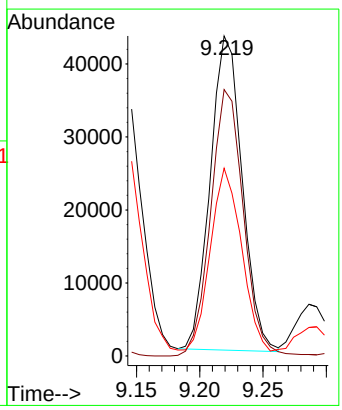
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

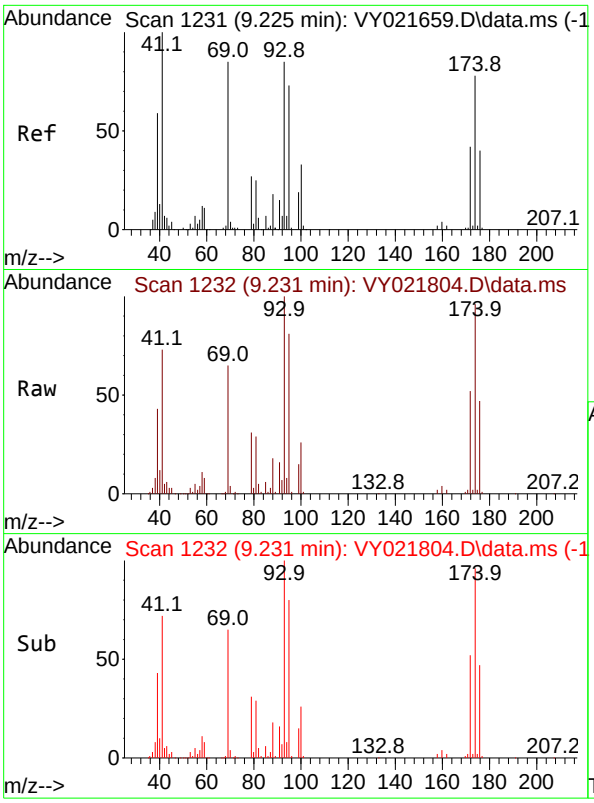


#48
Methyl methacrylate
Concen: 54.600 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 41 Resp: 75589

Ion	Ratio	Lower	Upper
41	100		
69	87.0	69.8	104.8
39	56.9	47.2	70.8

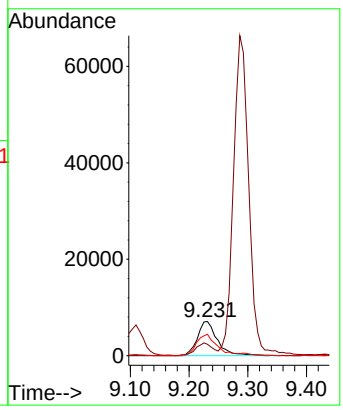




#49
1,4-Dioxane
Concen: 1137.947 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 88 Resp: 1679

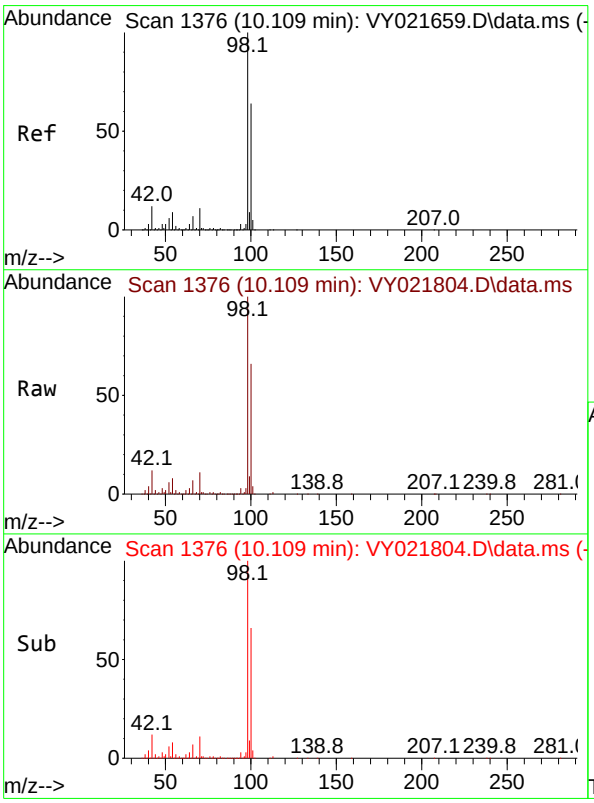
Ion	Ratio	Lower	Upper
88	100		
43	32.2	28.8	43.2
58	62.9	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

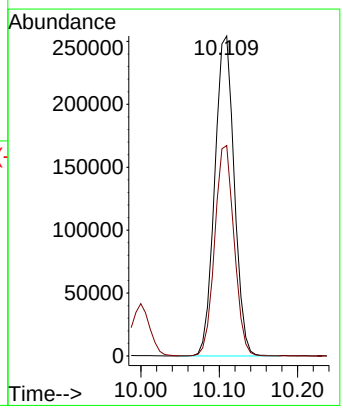
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

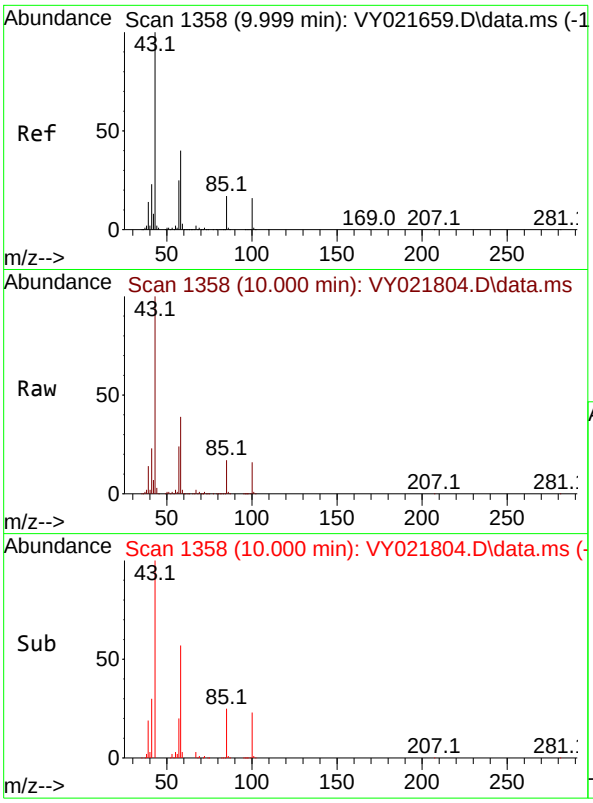


#50
Toluene-d8
Concen: 52.311 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 98 Resp: 440661

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1

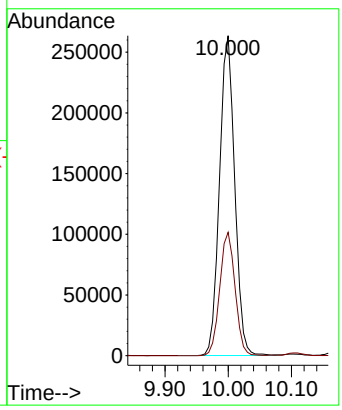




#51
4-Methyl-2-Pentanone
Concen: 278.979 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 43792

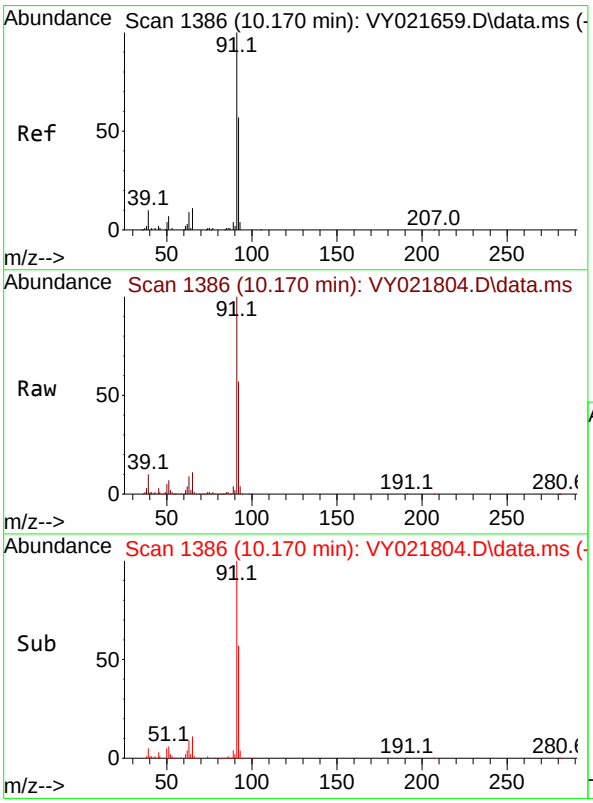
Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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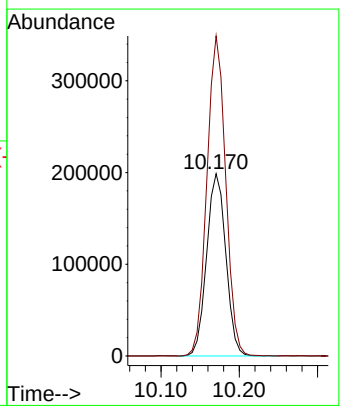
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

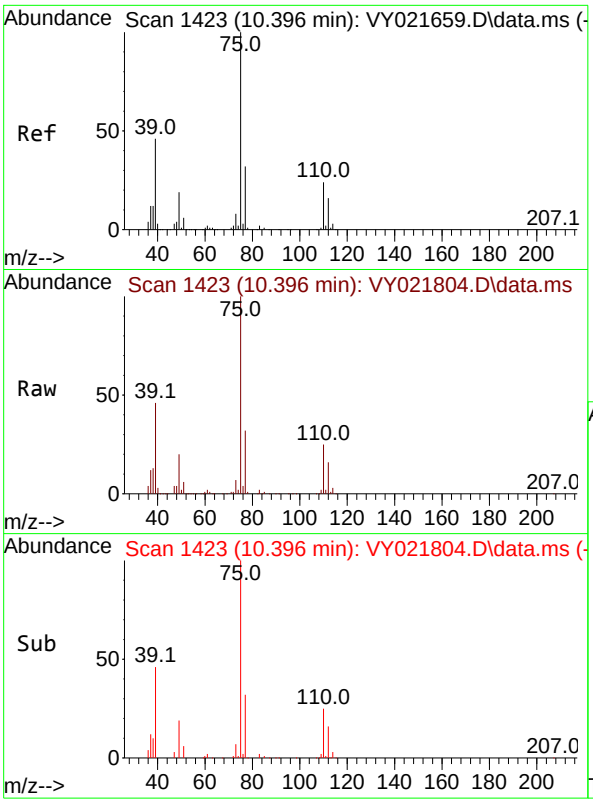


#52
Toluene
Concen: 53.500 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 92 Resp: 337143

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.6	207.8

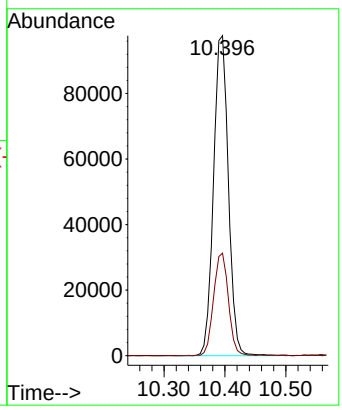




#53
t-1,3-Dichloropropene
Concen: 52.154 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 16539

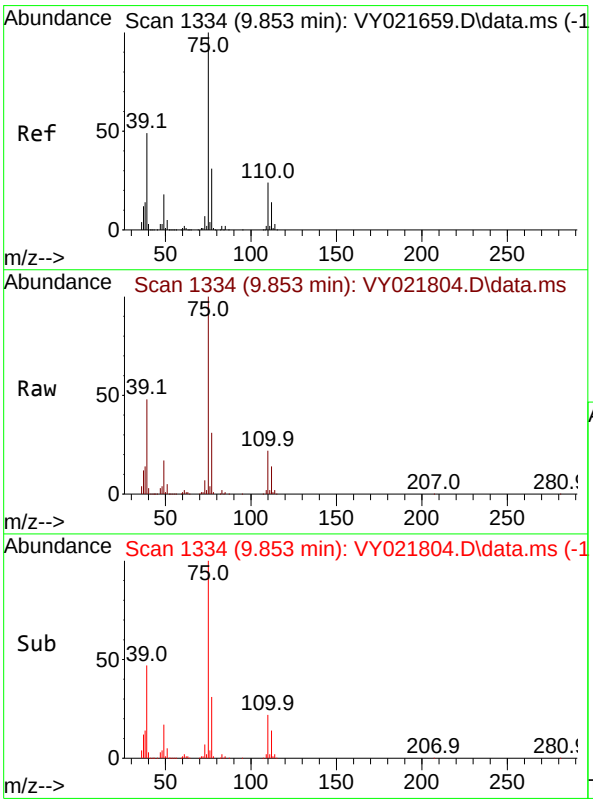
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

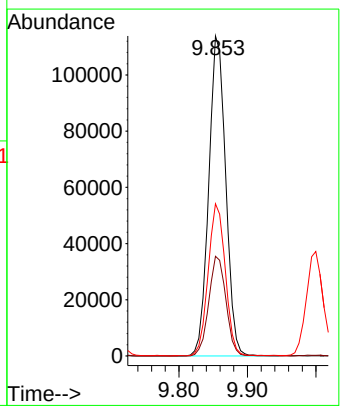
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

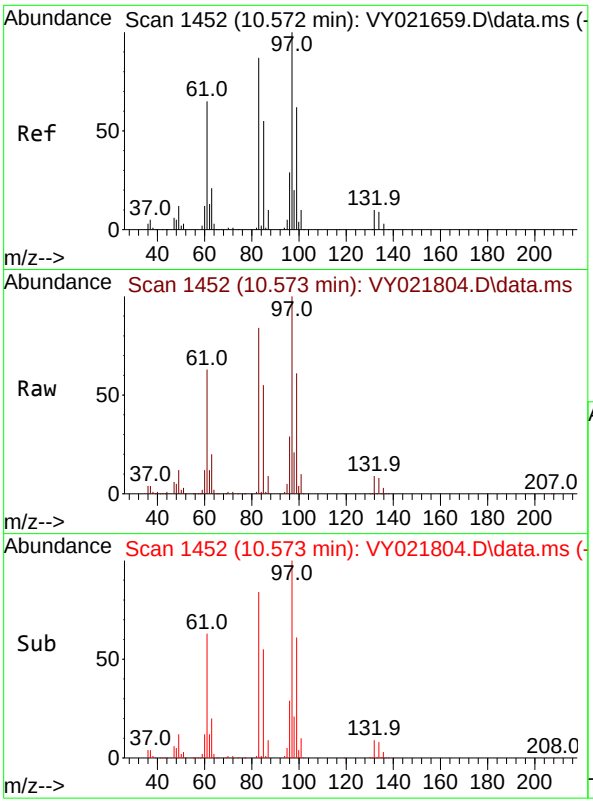


#54
cis-1,3-Dichloropropene
Concen: 52.346 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 195840

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	47.5	39.2	58.8

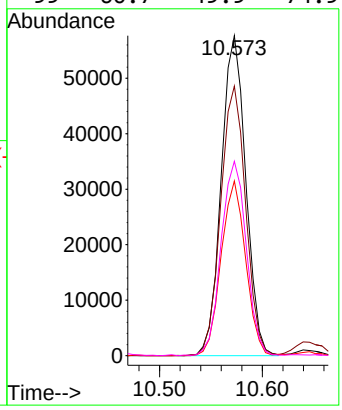




#55
1,1,2-Trichloroethane
Concen: 53.949 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 97 Resp: 9566

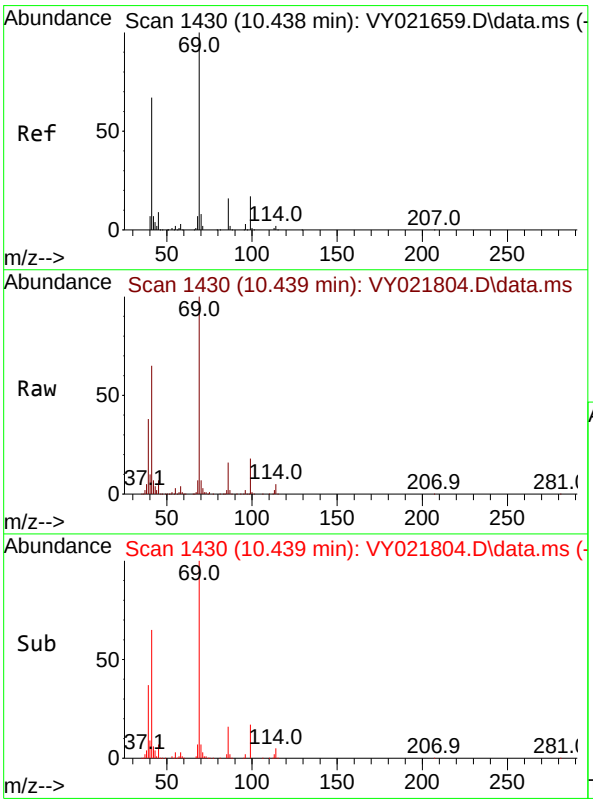
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.5	104.3
85	54.6	43.9	65.9
99	60.7	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

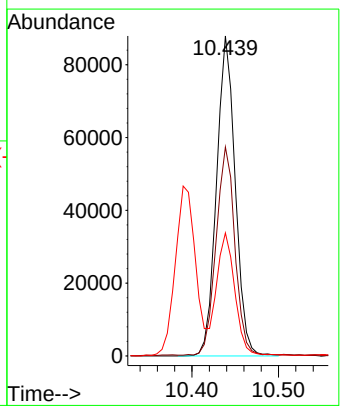
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

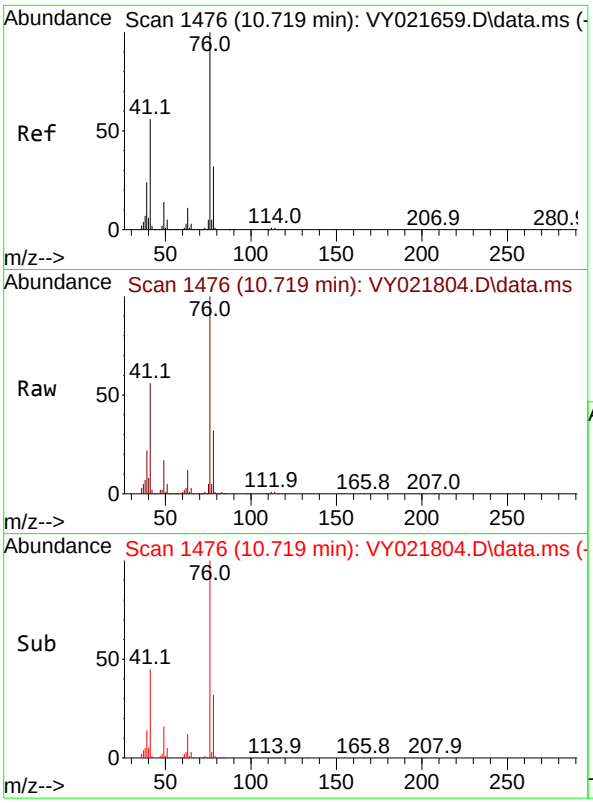


#56
Ethyl methacrylate
Concen: 58.234 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 69 Resp: 131852

Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.8	80.6
39	38.4	29.6	44.4

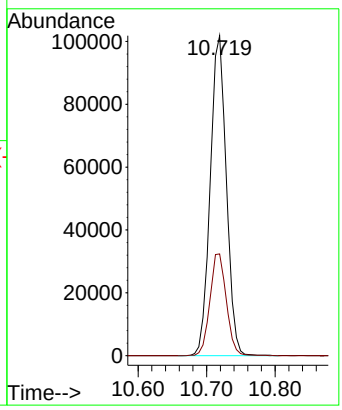




#57
1,3-Dichloropropane
Concen: 54.234 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 76 Resp: 16608

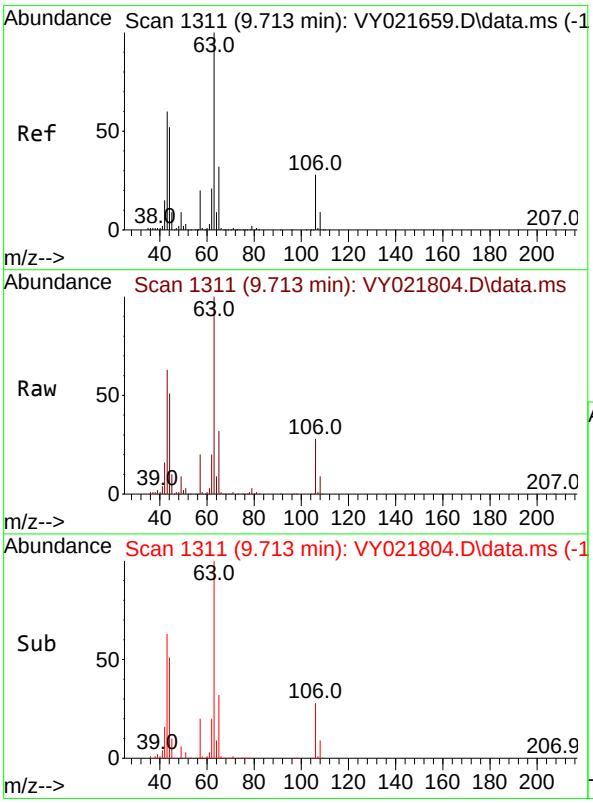
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

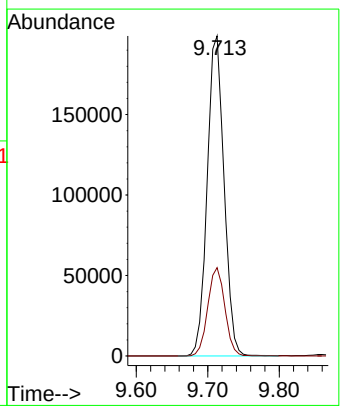
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

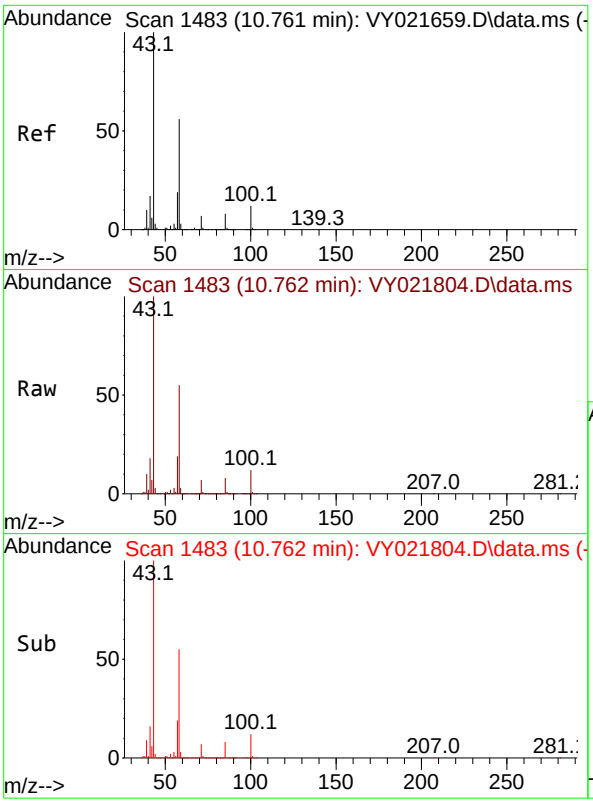


#58
2-Chloroethyl Vinyl ether
Concen: 294.697 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 63 Resp: 325502

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.4	33.6





#59
2-Hexanone
Concen: 278.791 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

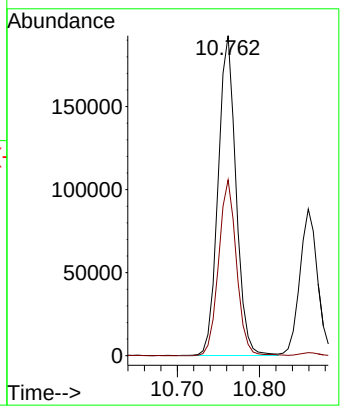
Tgt Ion: 43 Resp: 29145

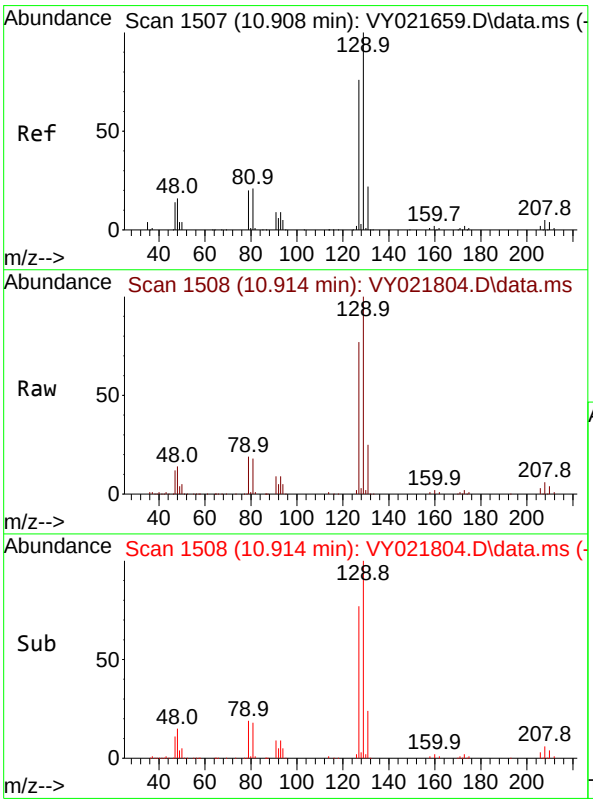
Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

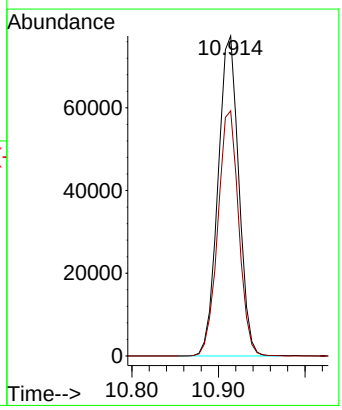


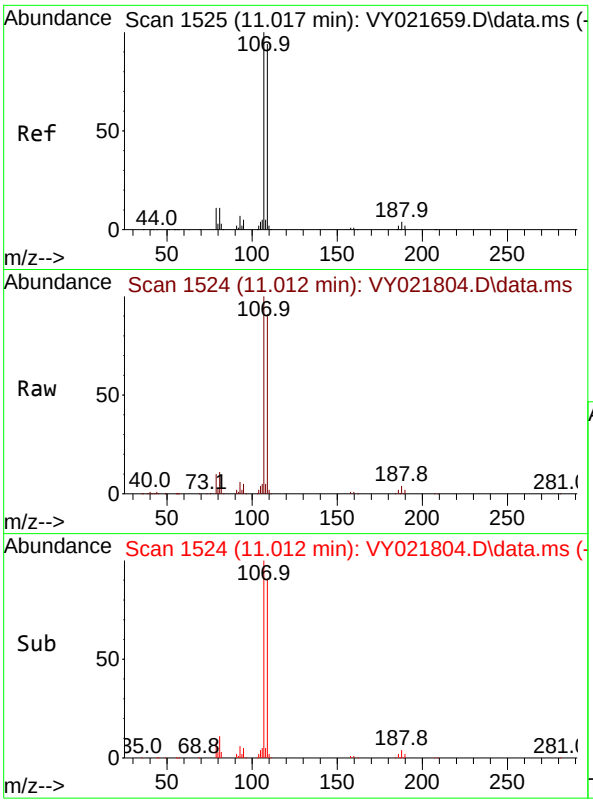


#60
Dibromochloromethane
Concen: 53.126 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:129 Resp: 128616

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.7

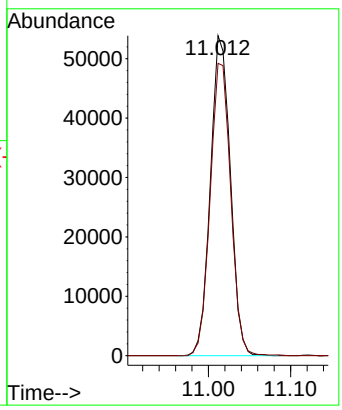




#61
1,2-Dibromoethane
Concen: 54.567 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:107 Resp: 9076

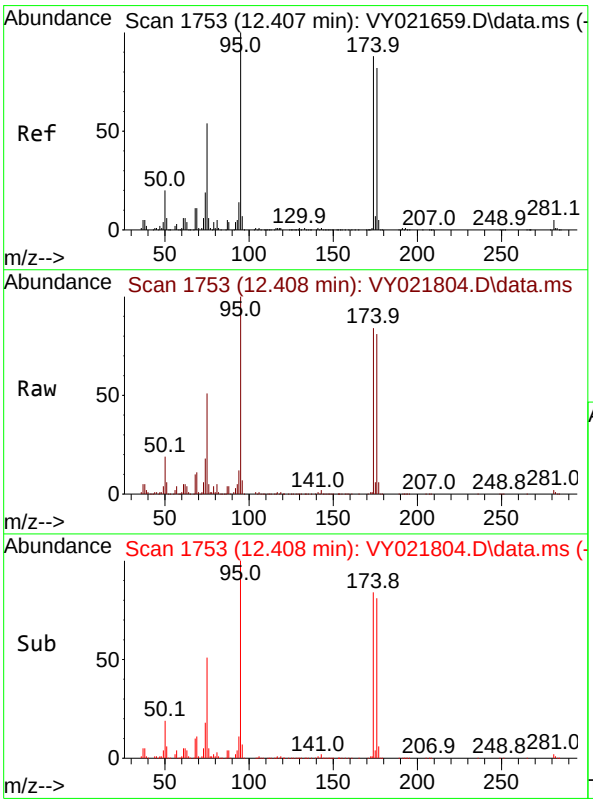
Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

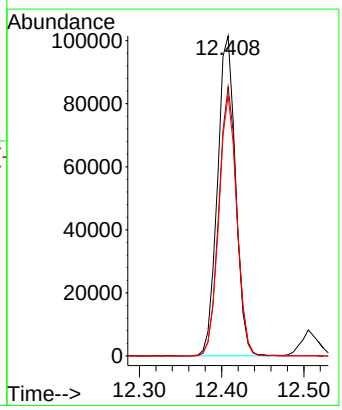
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

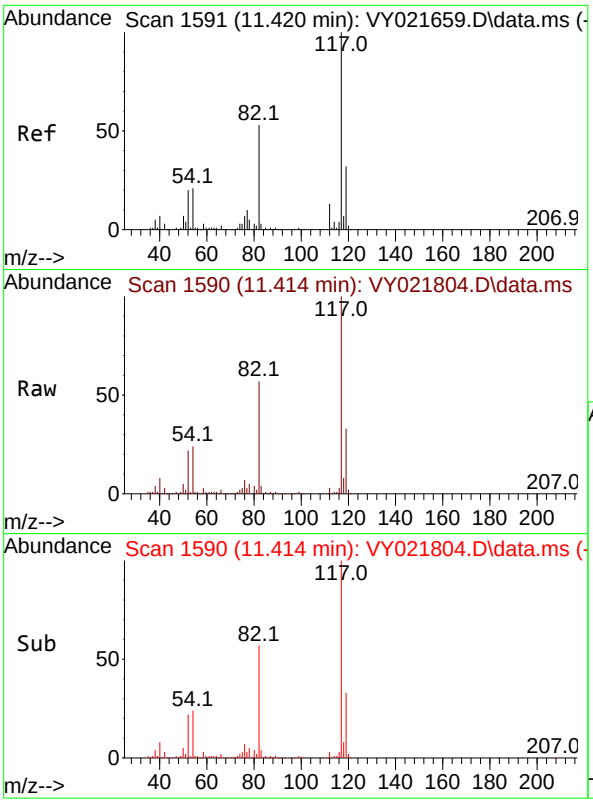


#62
4-Bromofluorobenzene
Concen: 54.329 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 95 Resp: 154801

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.8
176	80.6	0.0	162.0

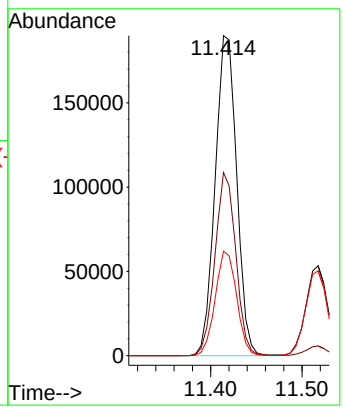




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:117 Resp: 31150

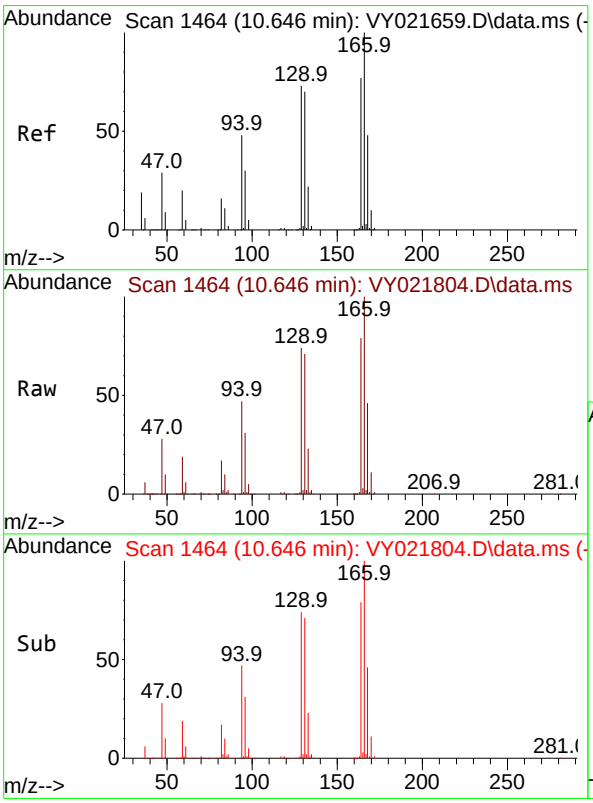
Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.8	64.2
119	32.7	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

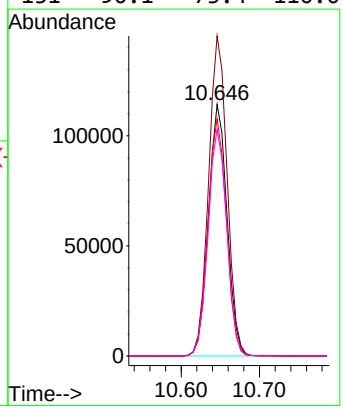
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

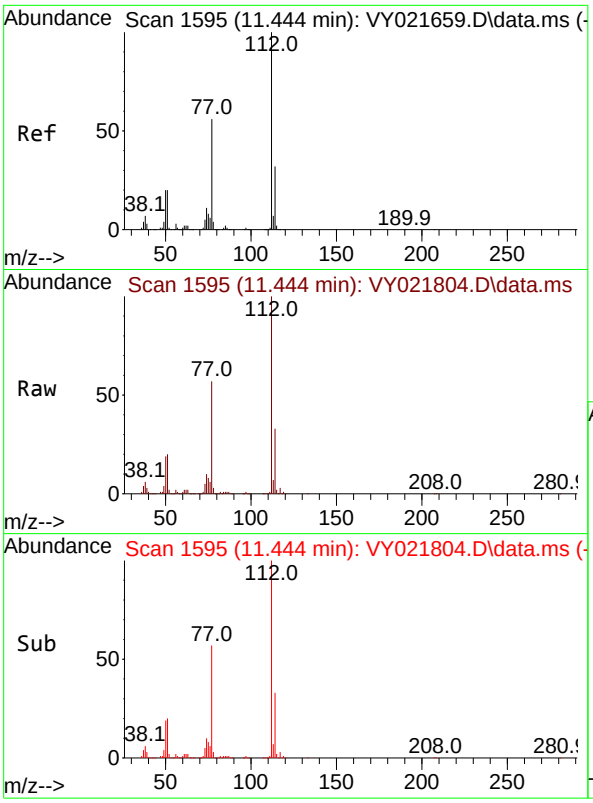


#64
Tetrachloroethene
Concen: 66.382 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:164 Resp: 188331

Ion	Ratio	Lower	Upper
164	100		
166	127.2	104.6	156.8
129	94.3	76.6	114.8
131	90.1	73.4	110.0

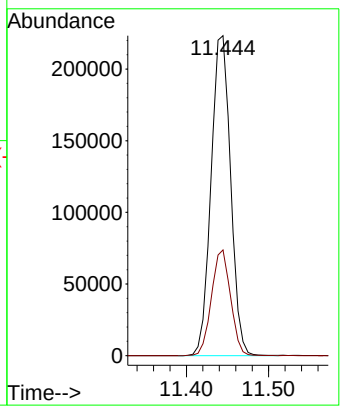




#65
Chlorobenzene
Concen: 51.612 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:112 Resp: 36854

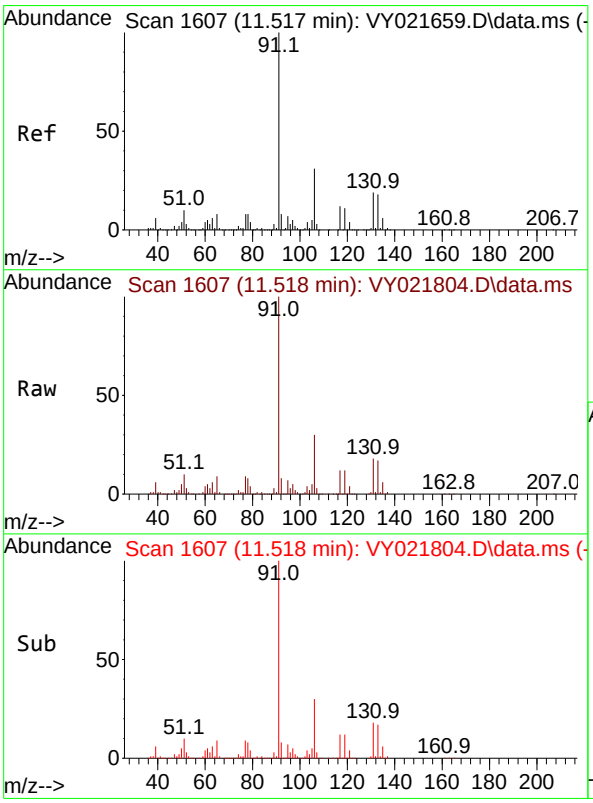
Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

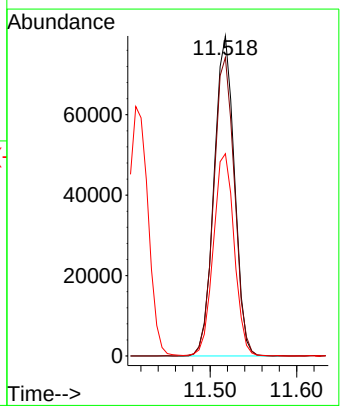
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

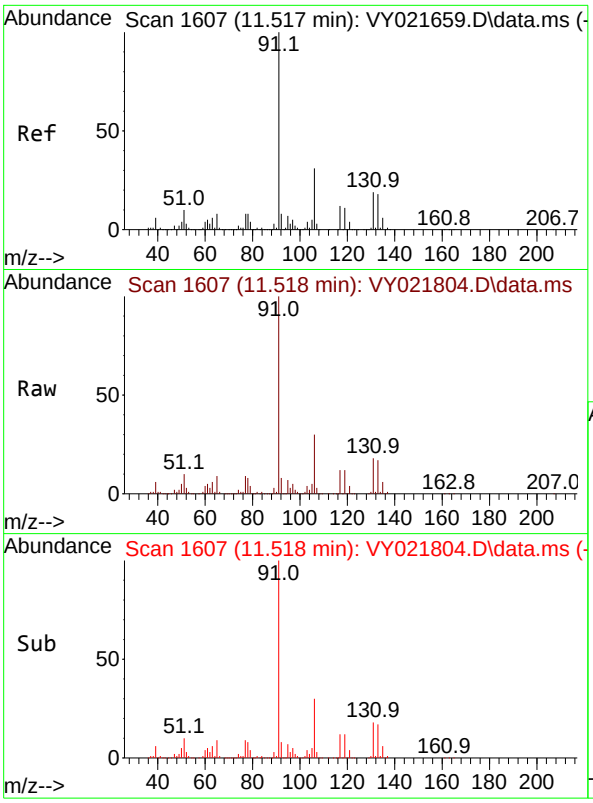


#66
1,1,1,2-Tetrachloroethane
Concen: 51.329 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:131 Resp: 130042

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.8
119	64.7	31.6	95.0

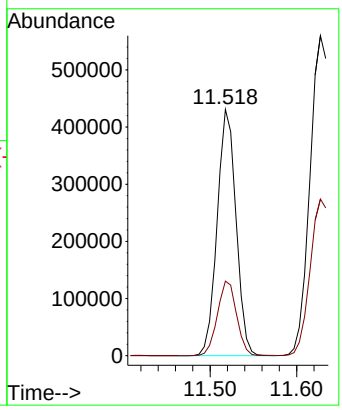




#67
Ethyl Benzene
Concen: 53.233 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 65182

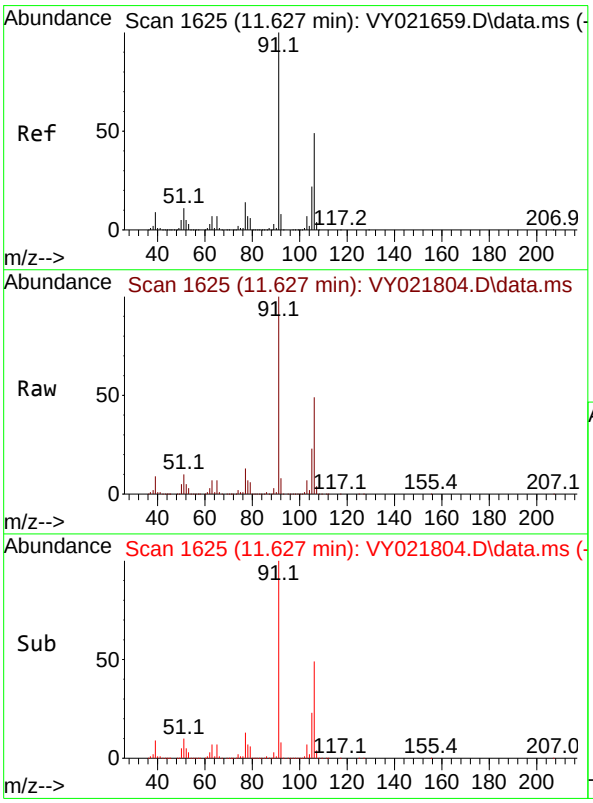
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

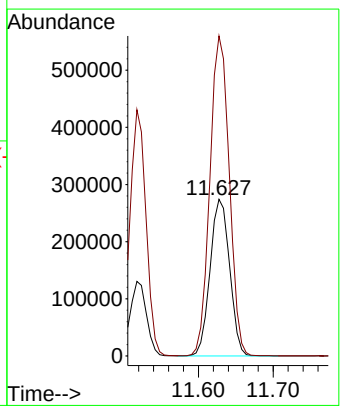
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

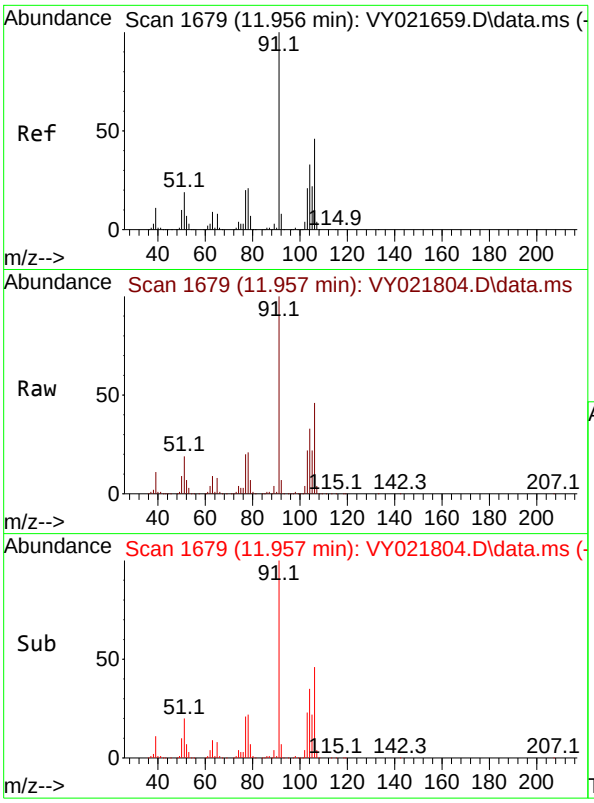


#68
m/p-Xylenes
Concen: 106.367 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:106 Resp: 498739

Ion	Ratio	Lower	Upper
106	100		
91	203.0	162.4	243.6





#69
o-Xylene
Concen: 53.967 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

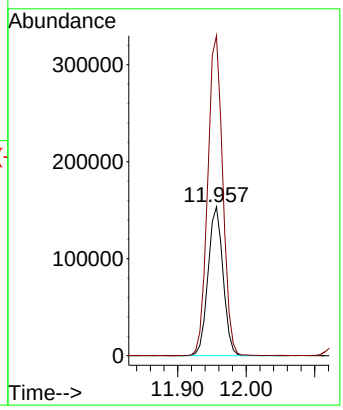
Tgt Ion:106 Resp: 23358

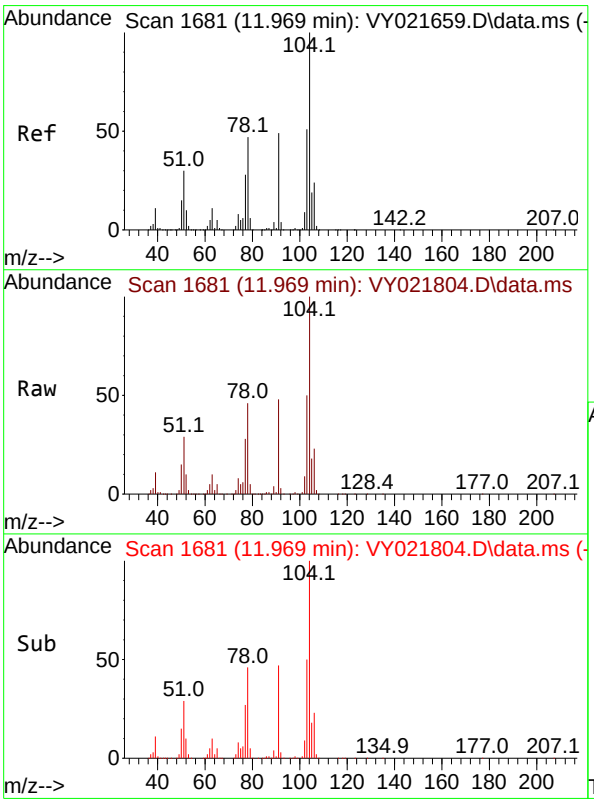
Ion	Ratio	Lower	Upper
106	100		
91	215.8	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

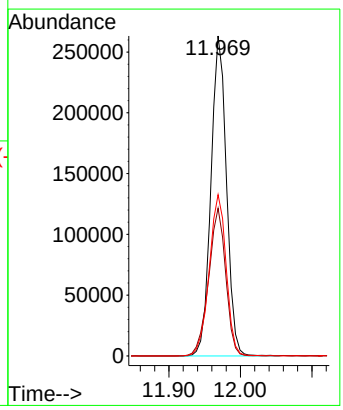


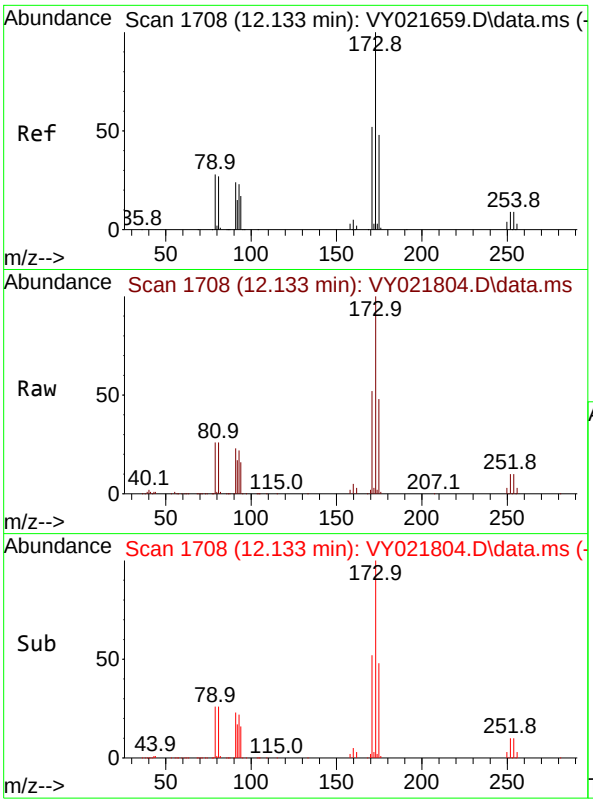


#70
Styrene
Concen: 55.090 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:104 Resp: 397557

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.8	61.2
103	55.0	44.2	66.2

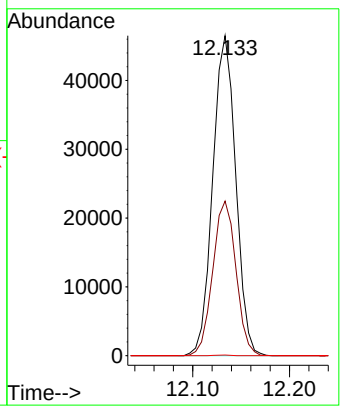




#71
Bromoform
Concen: 53.058 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:173 Resp: 7667

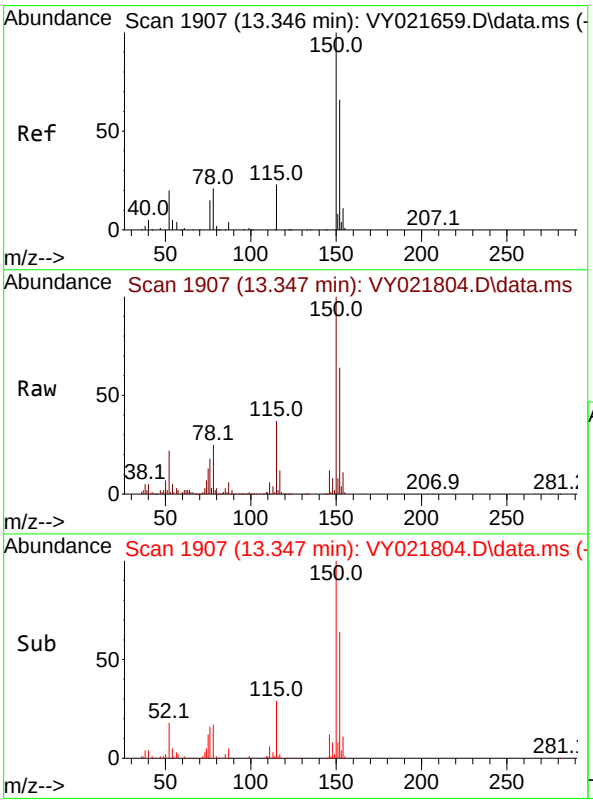
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.1	0.1	0.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

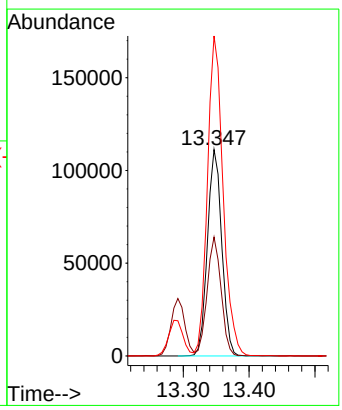
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

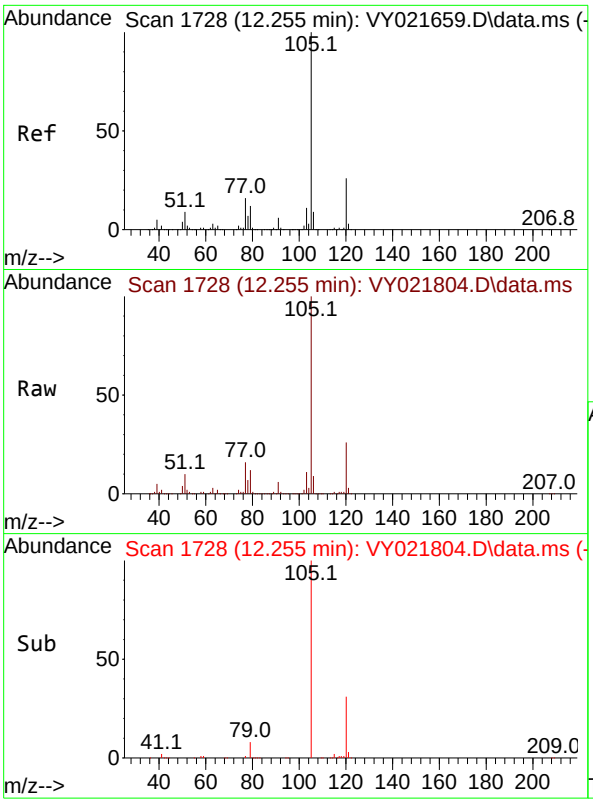


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:152 Resp: 168360

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.8	86.5
150	169.4	0.0	348.4





#73
Isopropylbenzene
Concen: 49.859 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

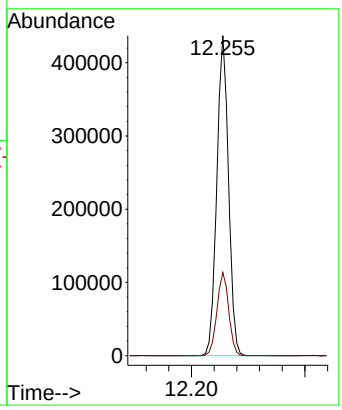
Tgt Ion:105 Resp: 62347

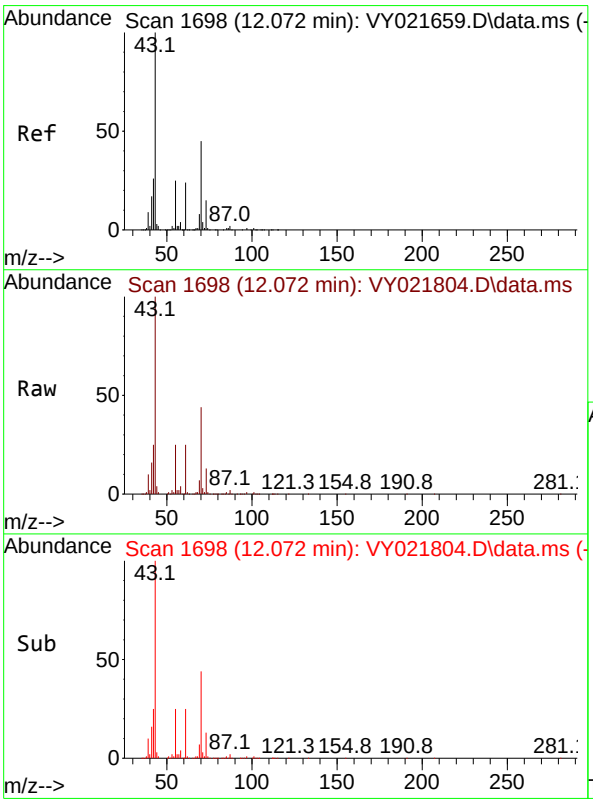
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

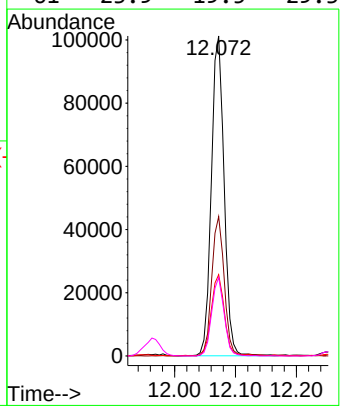


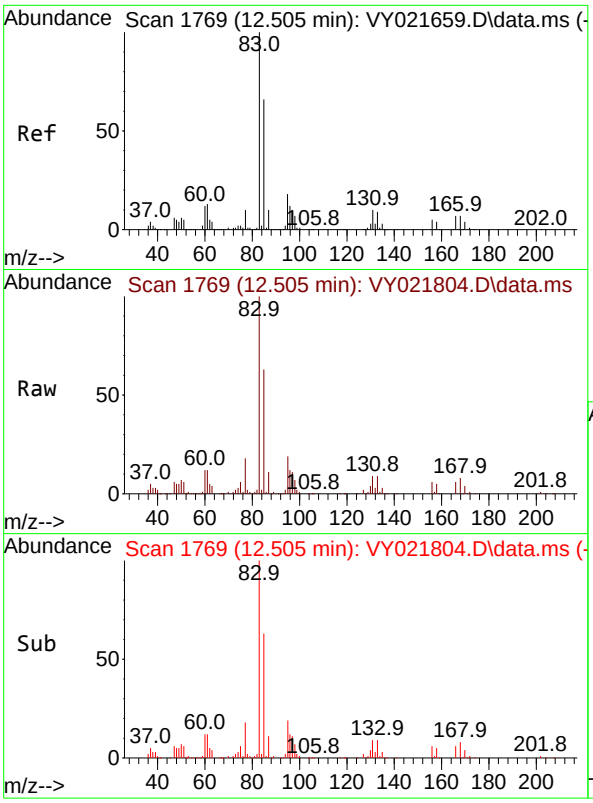


#74
N-amyl acetate
Concen: 50.156 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 147196

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.7	52.1
55	26.0	21.2	31.8
61	23.9	19.5	29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 30.709 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

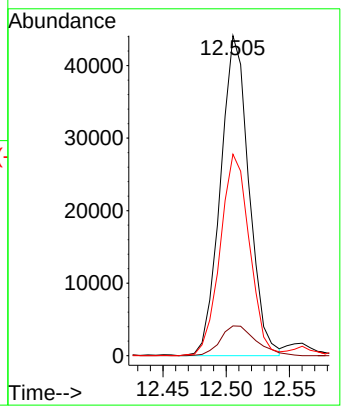
Tgt Ion: 83 Resp: 6904

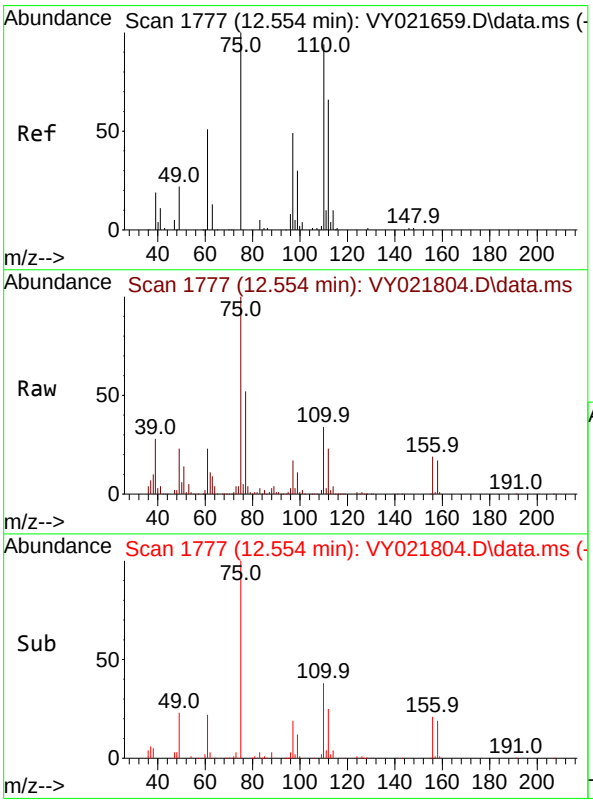
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.1	15.3
85	64.7	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

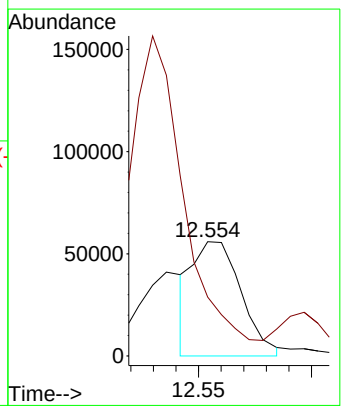


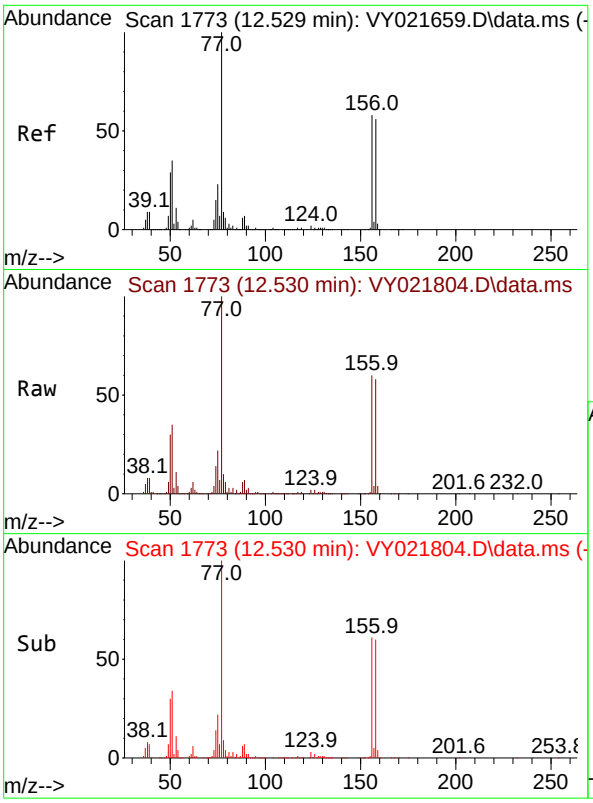


#76
1,2,3-Trichloropropane
Concen: 50.134 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 83668

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

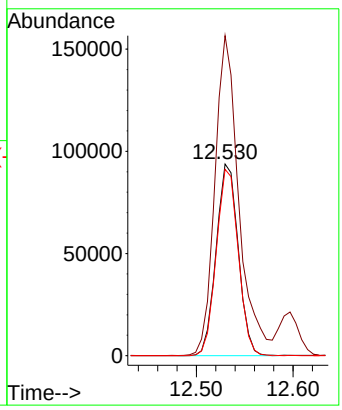




#77
Bromobenzene
Concen: 49.502 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:156 Resp: 14862

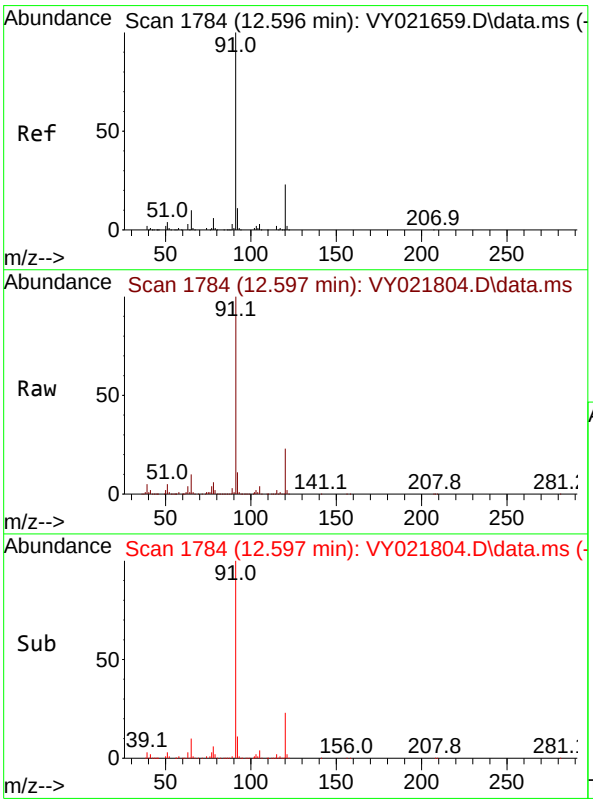
Ion	Ratio	Lower	Upper
156	100		
77	181.9	92.8	278.3
158	96.8	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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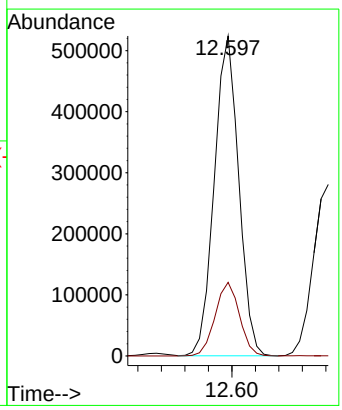
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

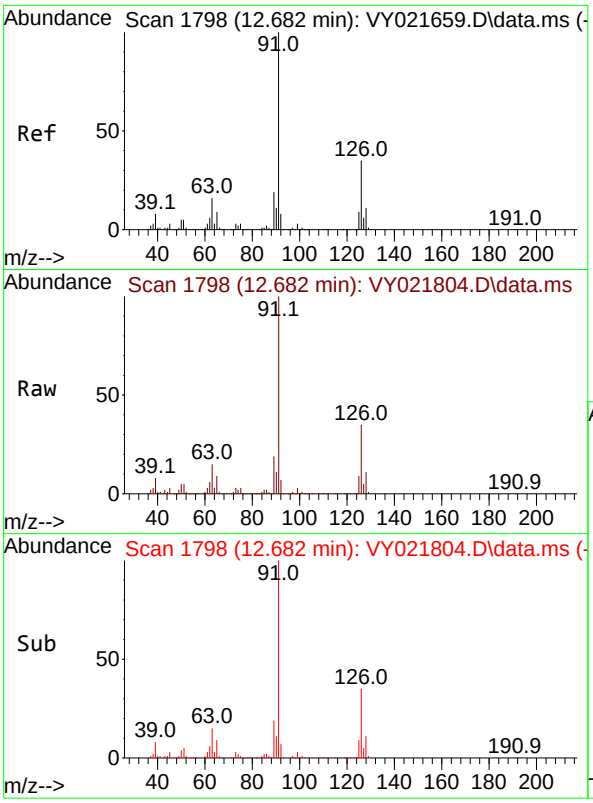


#78
n-propylbenzene
Concen: 50.246 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 755384

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9

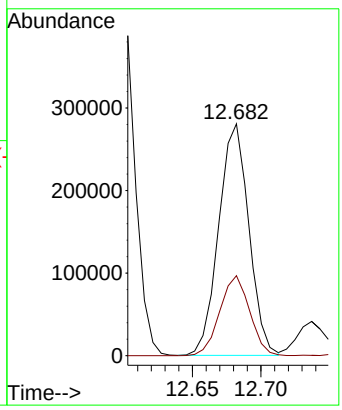




#79
2-Chlorotoluene
Concen: 49.230 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 42987

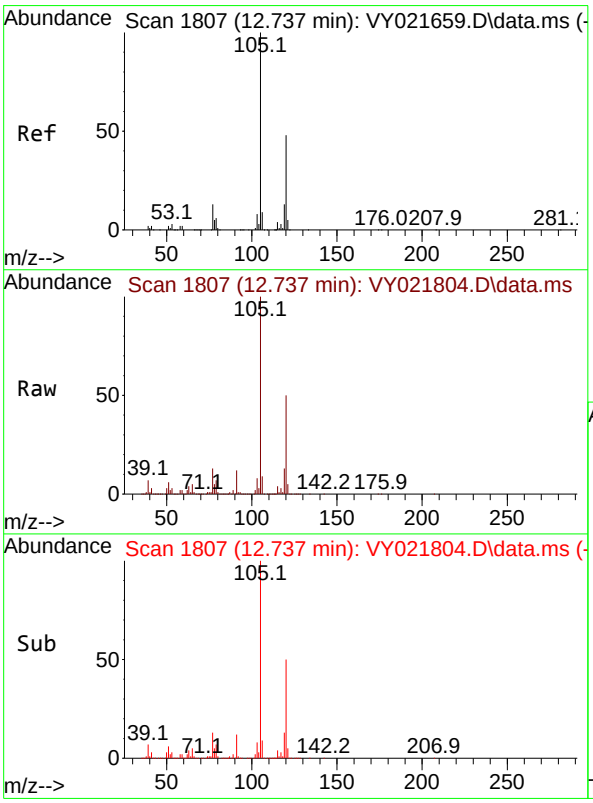
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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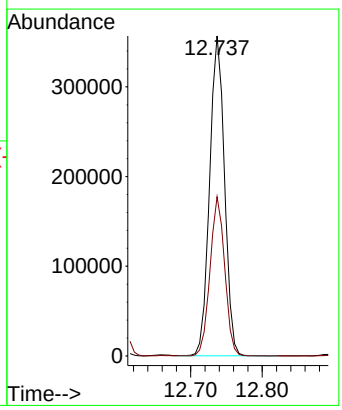
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

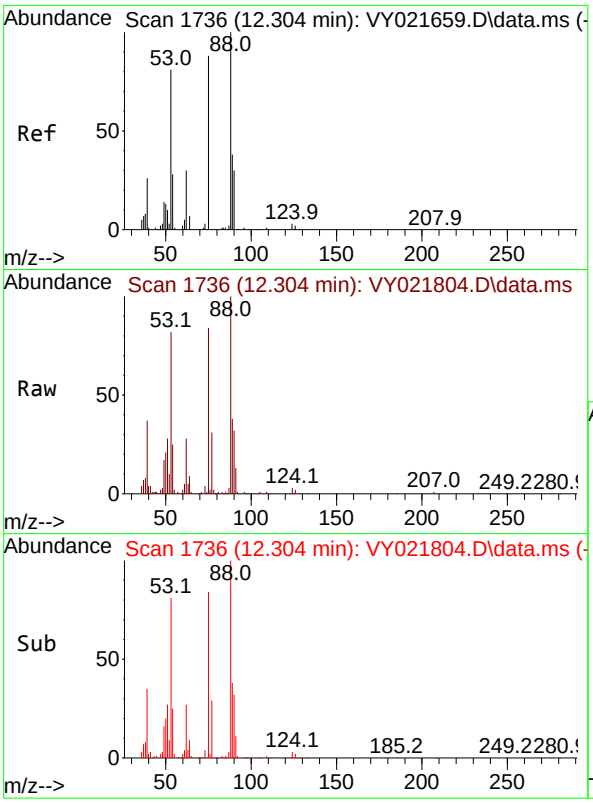


#80
1,3,5-Trimethylbenzene
Concen: 50.419 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:105 Resp: 515287

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 46.520 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

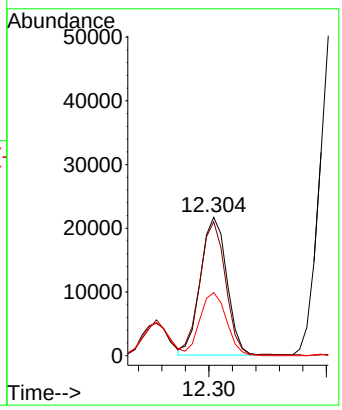
Tgt Ion: 75 Resp: 3369

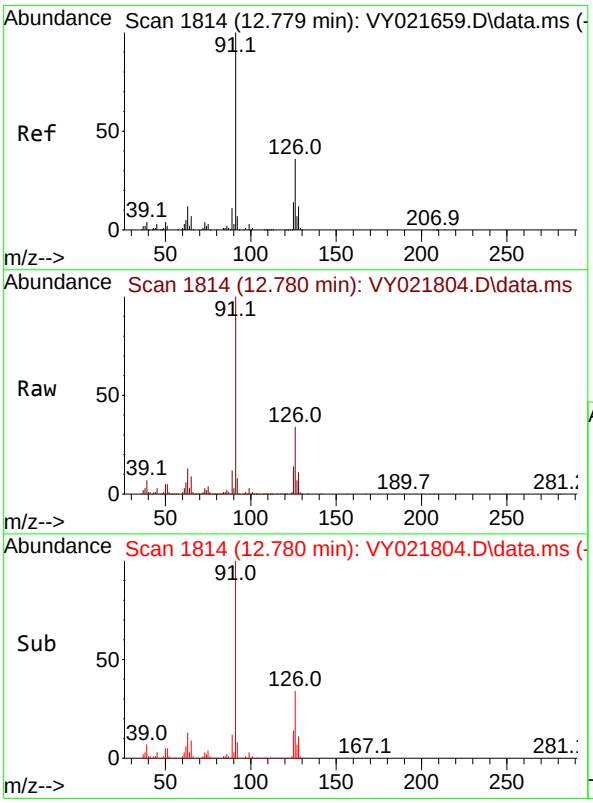
Ion	Ratio	Lower	Upper
75	100		
53	96.7	76.1	114.1
89	45.7	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

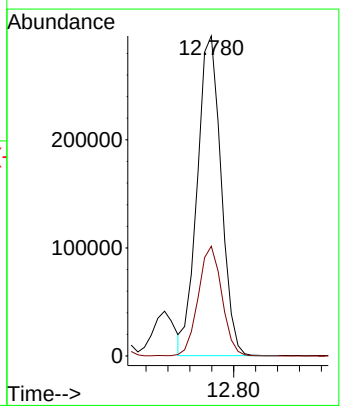


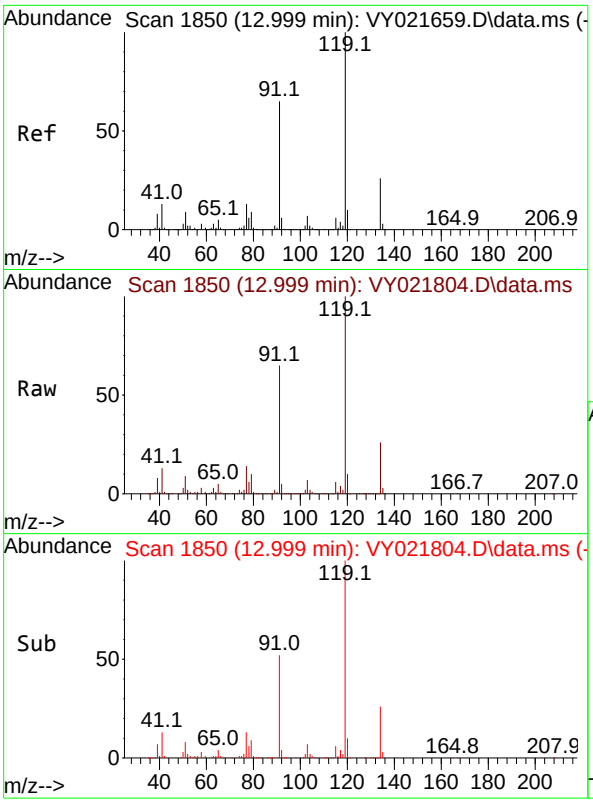


#82
4-Chlorotoluene
Concen: 49.086 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 446850

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

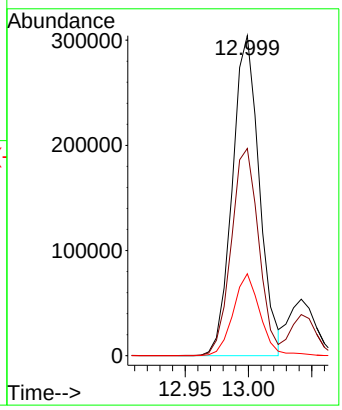




#83
tert-Butylbenzene
Concen: 49.742 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:119 Resp: 45279

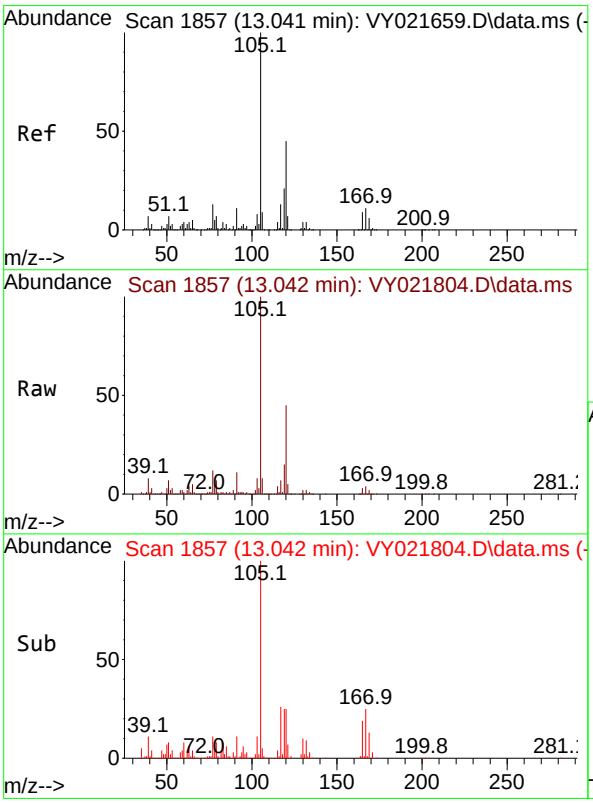
Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.6	97.7
134	25.6	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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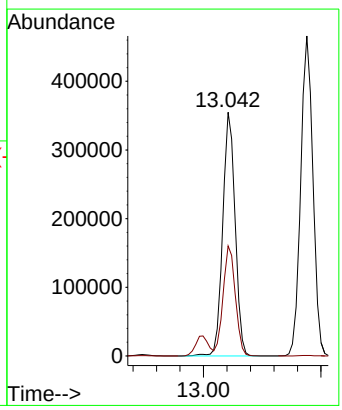
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

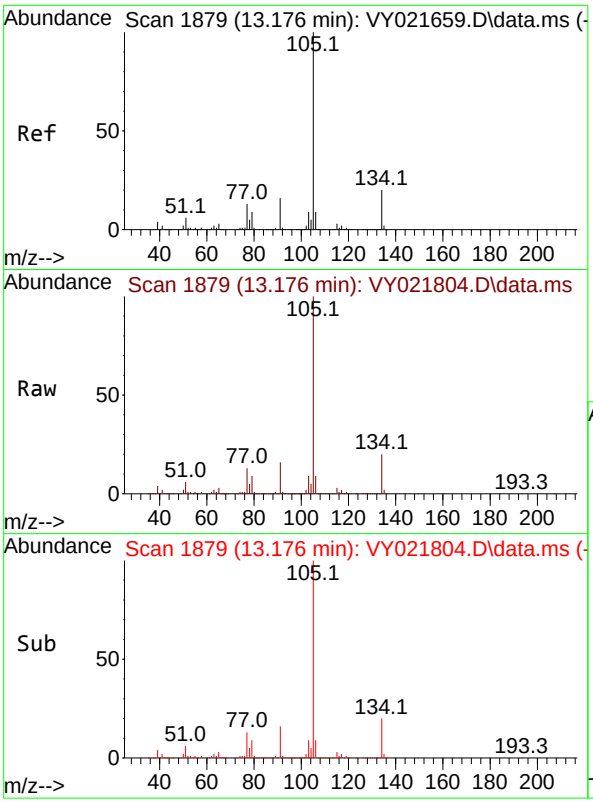


#84
1,2,4-Trimethylbenzene
Concen: 51.455 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:105 Resp: 519749

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 50.405 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

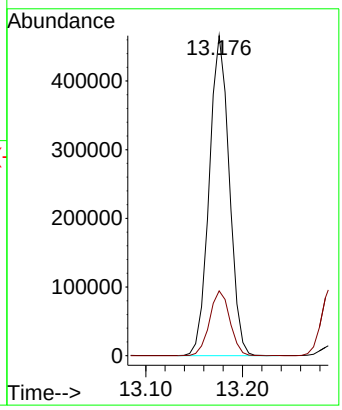
Tgt Ion:105 Resp: 67054

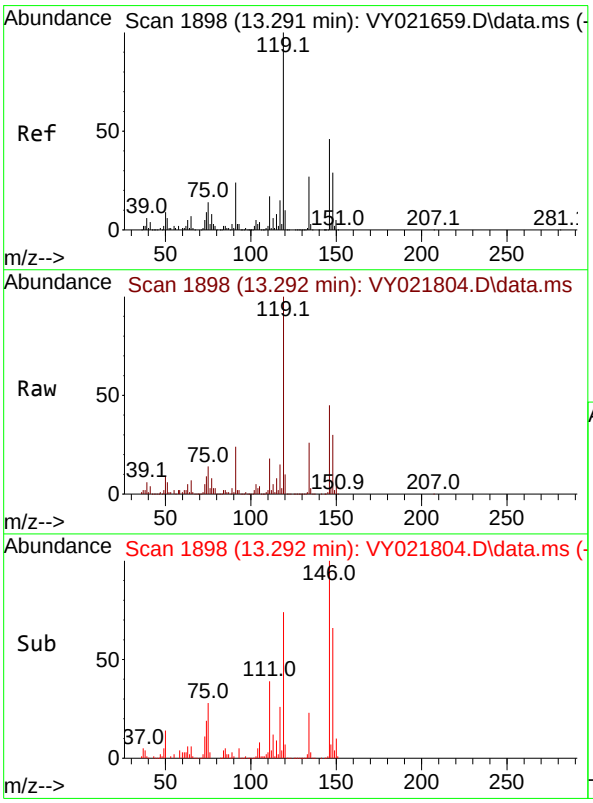
Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

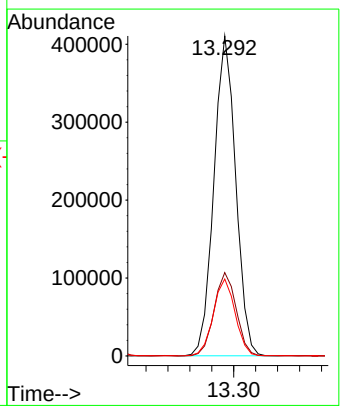


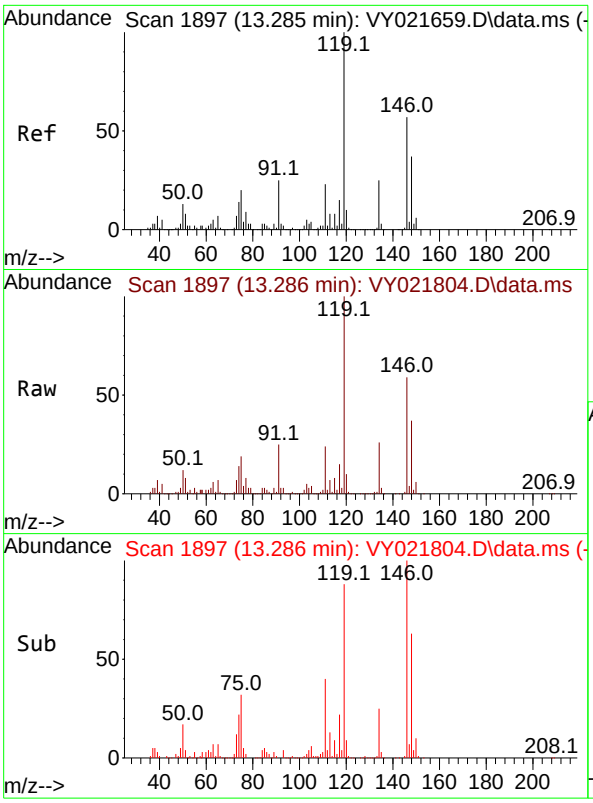


#86
p-Isopropyltoluene
Concen: 51.574 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:119 Resp: 567055

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	24.1	12.0	36.0

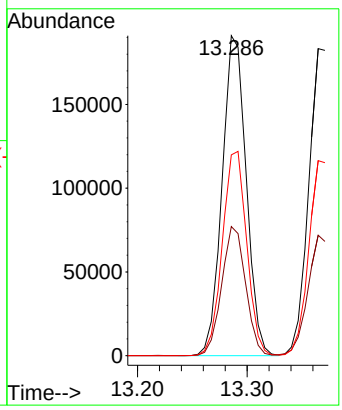




#87
1,3-Dichlorobenzene
Concen: 49.310 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:146 Resp: 29168

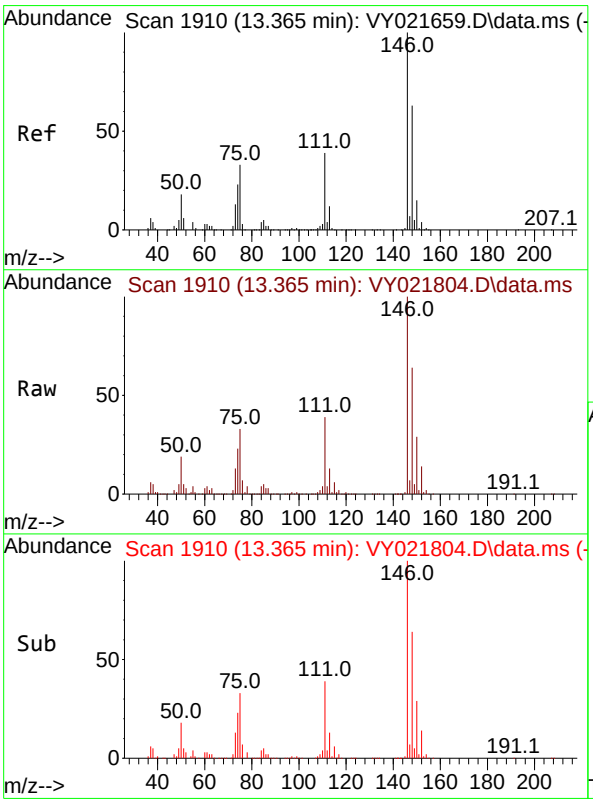
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.6	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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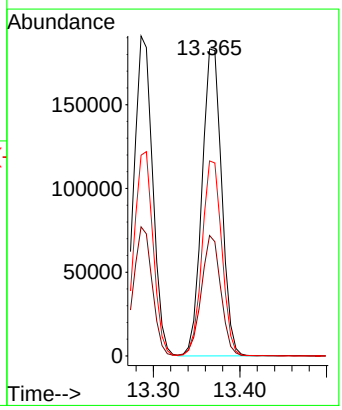
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

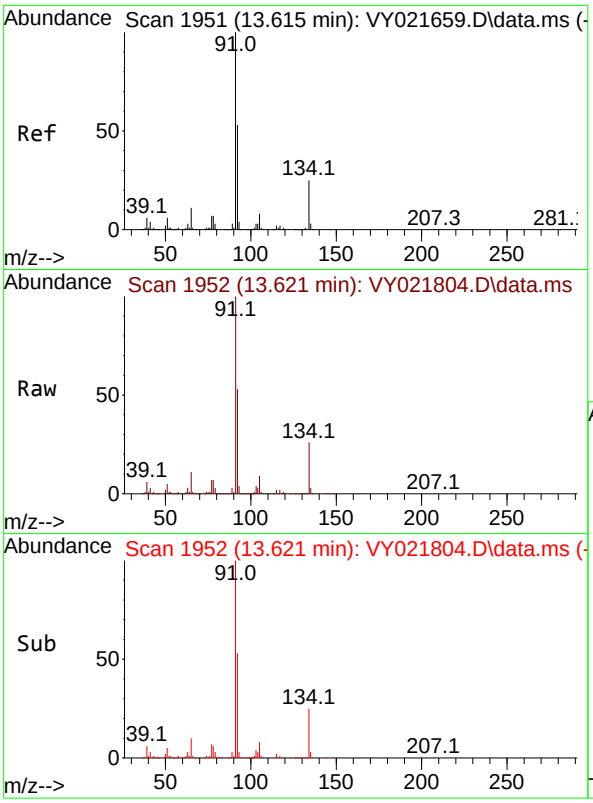


#88
1,4-Dichlorobenzene
Concen: 49.448 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:146 Resp: 288989

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.1
148	63.8	31.5	94.5

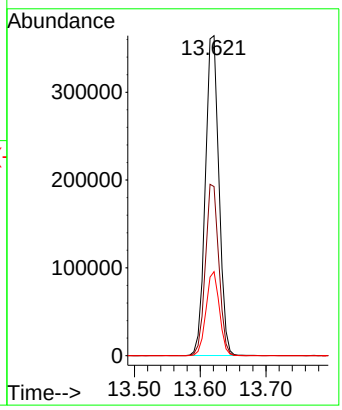




#89
n-Butylbenzene
Concen: 51.422 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 52287

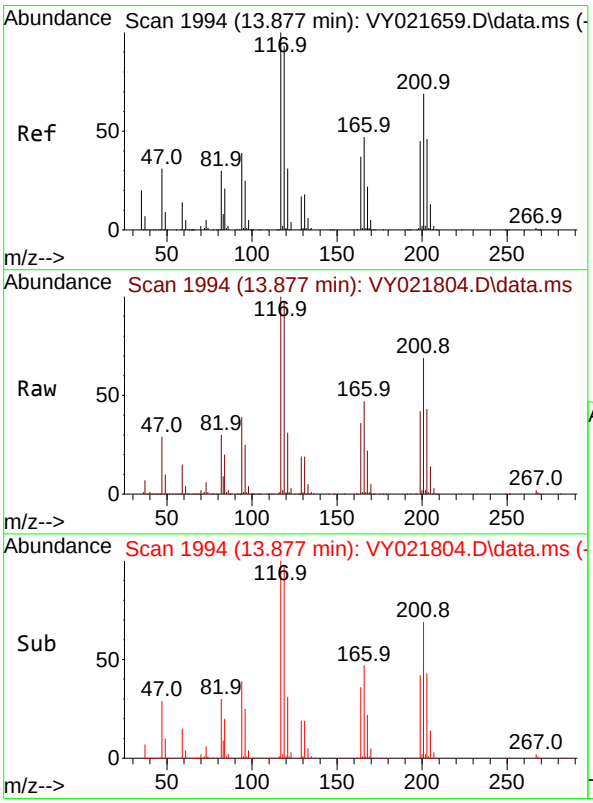
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.8	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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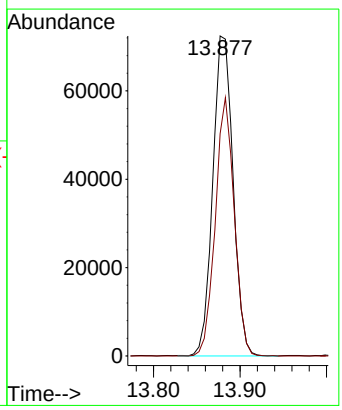
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

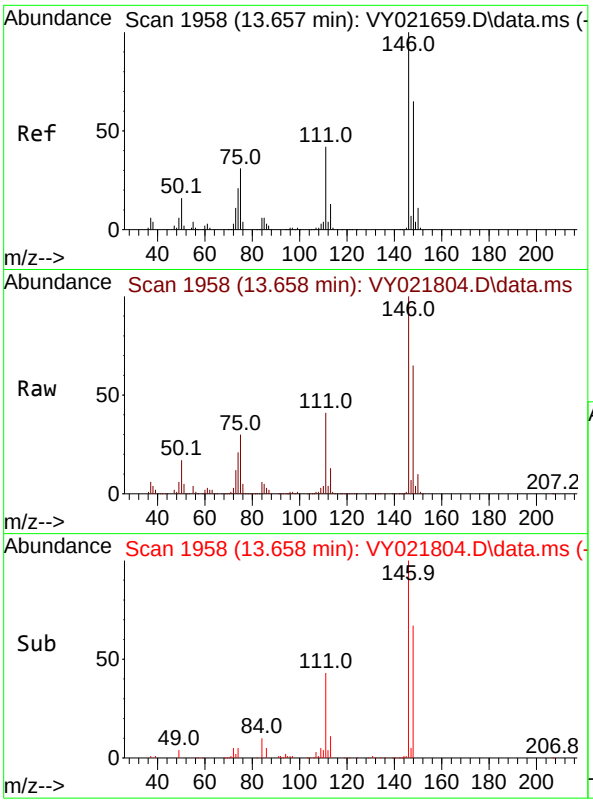


#90
Hexachloroethane
Concen: 48.894 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:117 Resp: 117807

Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.4	112.1

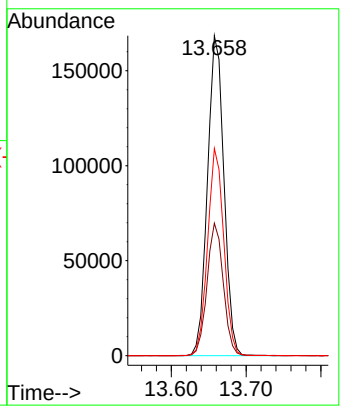




#91
1,2-Dichlorobenzene
Concen: 50.078 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:146 Resp: 25786

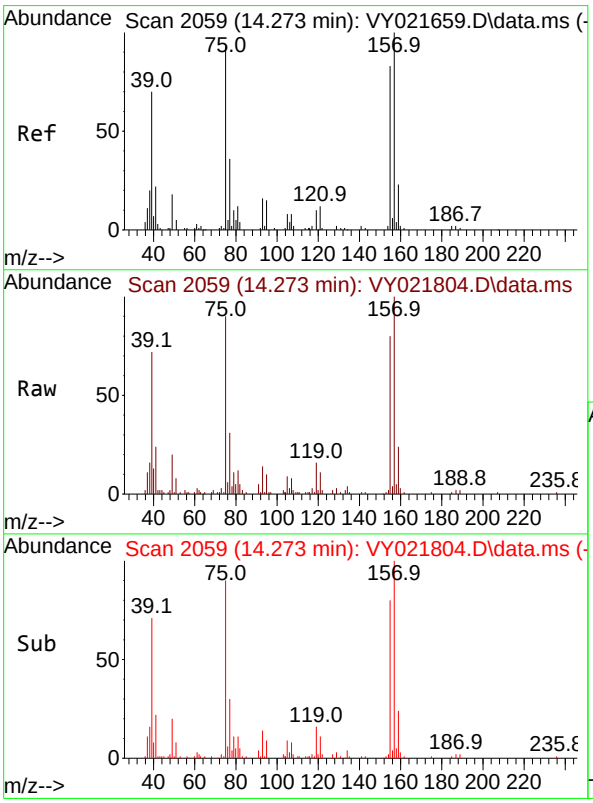
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.5	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

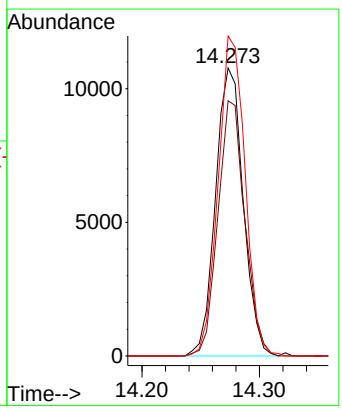
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

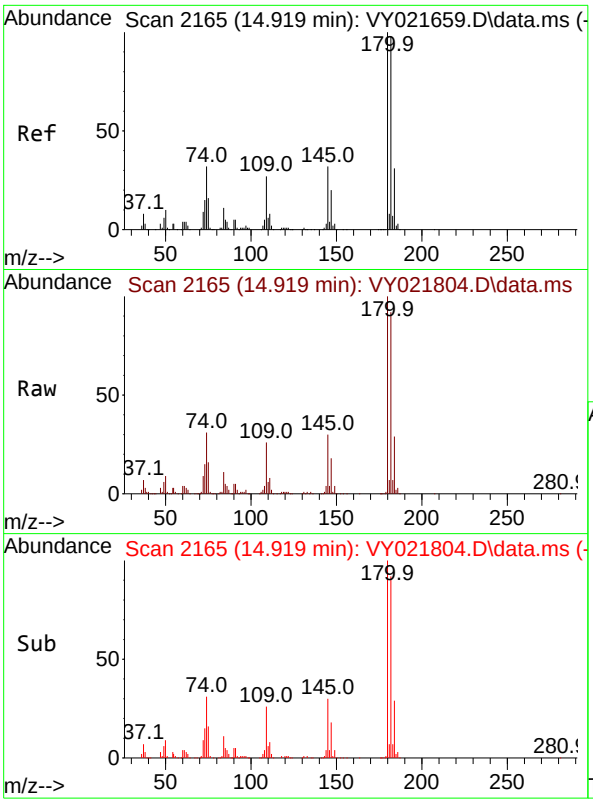


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.624 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 17640

Ion	Ratio	Lower	Upper
75	100		
155	86.1	43.0	128.8
157	108.2	54.0	162.0





#93
1,2,4-Trichlorobenzene
Concen: 54.582 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

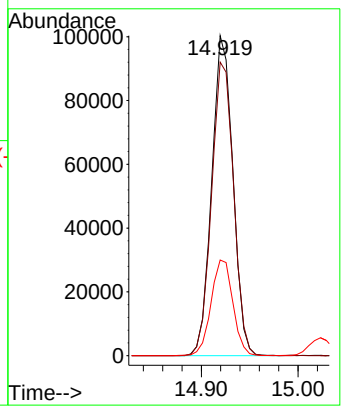
Tgt Ion:180 Resp: 15241

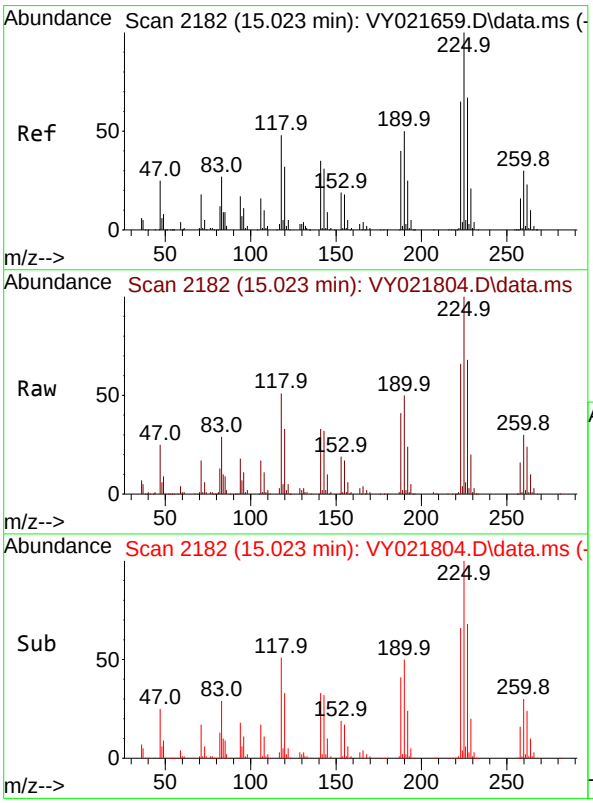
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	31.0	14.9	44.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

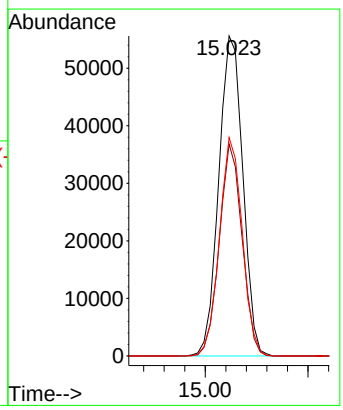


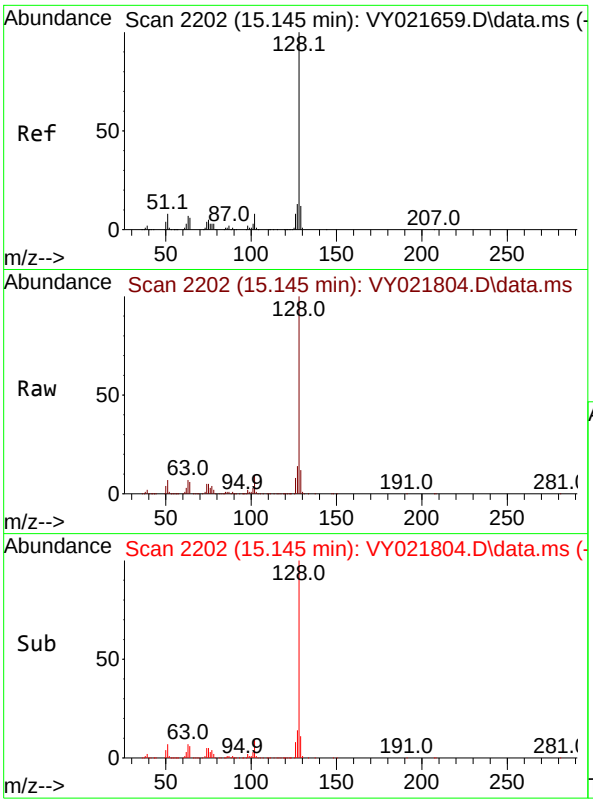


#94
Hexachlorobutadiene
Concen: 51.756 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:225 Resp: 90260

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.7
227	64.7	32.4	97.0

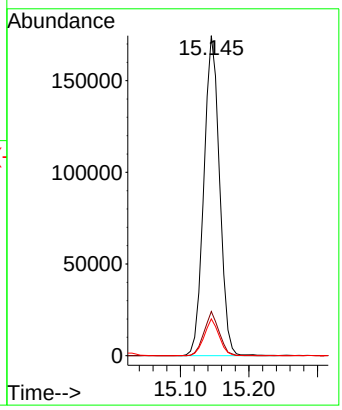




#95
Naphthalene
Concen: 60.132 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:128 Resp: 27832

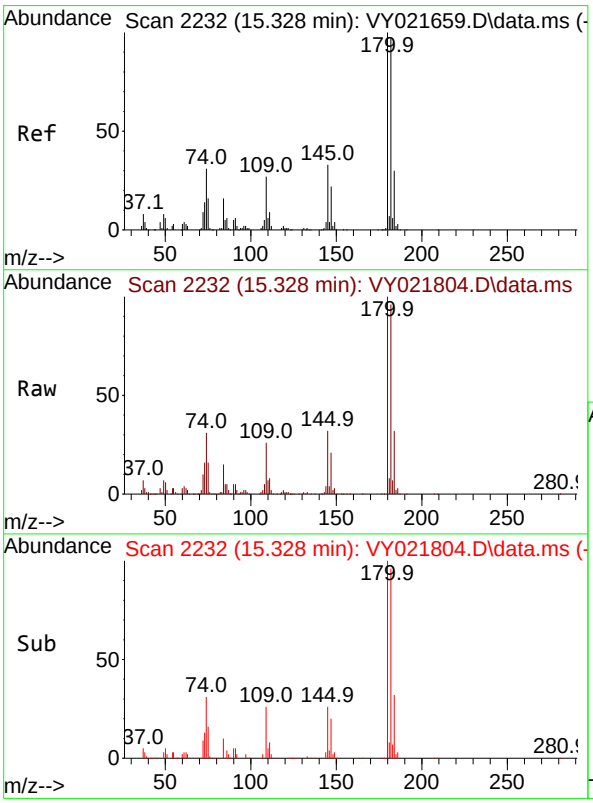
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

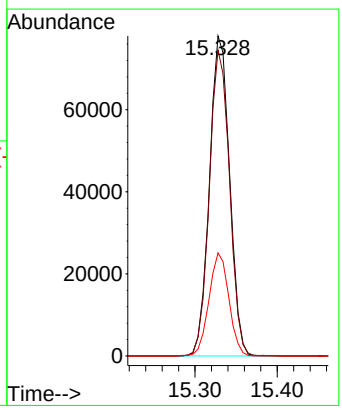
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.748 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:180 Resp: 132748

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	31.7	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.518	0.486	6.2	90	0.00
3	P	Chloromethane	0.729	0.668	8.4	91	0.00
4	C	Vinyl Chloride	0.824	0.769	6.7#	91	0.00
5	T	Bromomethane	0.562	0.488	13.2	90	0.00
6	T	Chloroethane	0.539	0.505	6.3	93	0.00
7	T	Trichlorofluoromethane	1.056	1.001	5.2	93	0.00
8	T	Diethyl Ether	0.287	0.278	3.1	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.547	1.8	96	0.00
10	T	Methyl Iodide	0.611	0.663	-8.5	95	0.00
11	T	Tert butyl alcohol	0.035	0.034	2.9	95	0.00
12	CM	1,1-Dichloroethene	0.524	0.518	1.1#	95	0.00
13	T	Acrolein	0.064	0.020	68.8#	30#	0.01
14	T	Allyl chloride	0.836	0.820	1.9	92	0.00
15	T	Acrylonitrile	0.120	0.121	-0.8	94	0.00
16	T	Acetone	0.111	0.093	16.2	82	0.00
17	T	Carbon Disulfide	1.727	1.613	6.6	90	0.00
18	T	Methyl Acetate	0.275	0.341	-24.0	121	0.00
19	T	Methyl tert-butyl Ether	1.306	1.345	-3.0	96	0.00
20	T	Methylene Chloride	0.626	0.578	7.7	97	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.571	1.0	95	0.00
22	T	Diisopropyl ether	1.754	1.810	-3.2	95	0.00
23	T	Vinyl Acetate	1.026	0.896	12.7	79	0.00
24	P	1,1-Dichloroethane	1.049	1.045	0.4	95	0.00
25	T	2-Butanone	0.158	0.154	2.5	91	0.00
26	T	2,2-Dichloropropane	0.933	0.906	2.9	93	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.656	-1.1	95	0.00
28	T	Bromochloromethane	0.442	0.437	1.1	97	0.00
29	T	Tetrahydrofuran	0.102	0.105	-2.9	94	0.00
30	C	Chloroform	1.091	1.097	-0.5#	96	0.00
31	T	Cyclohexane	0.956	0.909	4.9	93	0.00
32	T	1,1,1-Trichloroethane	0.986	0.986	0.0	96	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.545	-0.6	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.324	0.290	10.5	79	0.00
36	T	1,1-Dichloropropene	0.494	0.512	-3.6	94	0.00
37	T	Ethyl Acetate	0.233	0.236	-1.3	92	0.00
38	T	Carbon Tetrachloride	0.566	0.589	-4.1	96	0.00
39	T	Methylcyclohexane	0.590	0.626	-6.1	93	0.00
40	TM	Benzene	1.479	1.535	-3.8	95	0.00
41	T	Methacrylonitrile	0.124	0.121	2.4	81	0.00
42	TM	1,2-Dichloroethane	0.417	0.440	-5.5	97	0.00
43	T	Isopropyl Acetate	0.442	0.466	-5.4	95	0.00
44	TM	Trichloroethene	0.377	0.451	-19.6	111	0.00
45	C	1,2-Dichloropropane	0.350	0.369	-5.4#	97	0.00
46	T	Dibromomethane	0.202	0.213	-5.4	99	0.00
47	T	Bromodichloromethane	0.523	0.546	-4.4	96	0.00
48	T	Methyl methacrylate	0.203	0.221	-8.9	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	102	0.00
50	S	Toluene-d8	1.234	1.291	-4.6	91	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.257	-11.7	98	0.00
52	CM	Toluene	0.923	0.988	-7.0#	96	0.00
53	T	t-1,3-Dichloropropene	0.465	0.485	-4.3	92	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.574	-4.7	94	0.00
55	T	1,1,2-Trichloroethane	0.260	0.280	-7.7	99	0.00
56	T	Ethyl methacrylate	0.332	0.386	-16.3	97	0.00
57	T	1,3-Dichloropropane	0.449	0.487	-8.5	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.191	-17.9	98	0.00
59	T	2-Hexanone	0.153	0.171	-11.8	96	0.00
60	T	Dibromochloromethane	0.355	0.377	-6.2	95	0.00
61	T	1,2-Dibromoethane	0.244	0.266	-9.0	97	0.00
62	S	4-Bromofluorobenzene	0.417	0.453	-8.6	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.455	0.605	-33.0#	127	0.00
65	PM	Chlorobenzene	1.146	1.183	-3.2	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.417	-2.5	96	0.00
67	C	Ethyl Benzene	1.965	2.093	-6.5#	96	0.00
68	T	m/p-Xylenes	0.753	0.801	-6.4	96	0.00
69	T	o-Xylene	0.695	0.750	-7.9	96	0.00
70	T	Styrene	1.158	1.276	-10.2	98	0.00
71	P	Bromoform	0.232	0.246	-6.0	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.714	3.703	0.3	97	0.00
74	T	N-amyl acetate	0.872	0.874	-0.2	96	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.410	38.6#	63	0.00
76	T	1,2,3-Trichloropropane	0.496	0.497	-0.2	100	0.00
77	T	Bromobenzene	0.892	0.883	1.0	100	0.00
78	T	n-propylbenzene	4.465	4.487	-0.5	97	0.00
79	T	2-Chlorotoluene	2.593	2.553	1.5	97	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.061	-0.9	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.200	7.0	90	0.00
82	T	4-Chlorotoluene	2.704	2.654	1.8	97	0.00
83	T	tert-Butylbenzene	2.703	2.689	0.5	97	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.087	-2.9	99	0.00
85	T	sec-Butylbenzene	3.951	3.983	-0.8	98	0.00
86	T	p-Isopropyltoluene	3.265	3.368	-3.2	98	0.00
87	T	1,3-Dichlorobenzene	1.757	1.732	1.4	99	0.00
88	T	1,4-Dichlorobenzene	1.736	1.716	1.2	99	0.00
89	T	n-Butylbenzene	3.020	3.106	-2.8	98	0.00
90	T	Hexachloroethane	0.716	0.700	2.2	99	0.00
91	T	1,2-Dichlorobenzene	1.529	1.532	-0.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.105	-1.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.905	-9.2	103	0.00
94	T	Hexachlorobutadiene	0.518	0.536	-3.5	102	0.00
95	T	Naphthalene	1.375	1.653	-20.2	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.788	-11.5	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	46.885	6.2	90	0.00
3	P	Chloromethane	50.000	45.826	8.3	91	0.00
4	C	Vinyl Chloride	50.000	46.675	6.7#	91	0.00
5	T	Bromomethane	50.000	43.454	13.1	90	0.00
6	T	Chloroethane	50.000	46.787	6.4	93	0.00
7	T	Trichlorofluoromethane	50.000	47.416	5.2	93	0.00
8	T	Diethyl Ether	50.000	48.339	3.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.106	1.8	96	0.00
10	T	Methyl Iodide	50.000	54.276	-8.6	95	0.00
11	T	Tert butyl alcohol	250.000	243.094	2.8	95	0.00
12	CM	1,1-Dichloroethene	50.000	49.389	1.2#	95	0.00
13	T	Acrolein	250.000	78.732	68.5#	30	0.01
14	T	Allyl chloride	50.000	49.061	1.9	92	0.00
15	T	Acrylonitrile	250.000	253.002	-1.2	94	0.00
16	T	Acetone	250.000	209.922	16.0	82	0.00
17	T	Carbon Disulfide	50.000	46.691	6.6	90	0.00
18	T	Methyl Acetate	50.000	61.991	-24.0	121	0.00
19	T	Methyl tert-butyl Ether	50.000	51.489	-3.0	96	0.00
20	T	Methylene Chloride	50.000	53.510	-7.0	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.480	1.0	95	0.00
22	T	Diisopropyl ether	50.000	51.594	-3.2	95	0.00
23	T	Vinyl Acetate	250.000	218.278	12.7	79	0.00
24	P	1,1-Dichloroethane	50.000	49.834	0.3	95	0.00
25	T	2-Butanone	250.000	242.513	3.0	91	0.00
26	T	2,2-Dichloropropane	50.000	48.532	2.9	93	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.515	-1.0	95	0.00
28	T	Bromochloromethane	50.000	49.382	1.2	97	0.00
29	T	Tetrahydrofuran	250.000	258.784	-3.5	94	0.00
30	C	Chloroform	50.000	50.278	-0.6#	96	0.00
31	T	Cyclohexane	50.000	47.519	5.0	93	0.00
32	T	1,1,1-Trichloroethane	50.000	49.982	0.0	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.315	-0.6	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	44.664	10.7	79	0.00
36	T	1,1-Dichloropropene	50.000	51.820	-3.6	94	0.00
37	T	Ethyl Acetate	50.000	50.589	-1.2	92	0.00
38	T	Carbon Tetrachloride	50.000	52.071	-4.1	96	0.00
39	T	Methylcyclohexane	50.000	53.002	-6.0	93	0.00
40	TM	Benzene	50.000	51.889	-3.8	95	0.00
41	T	Methacrylonitrile	50.000	48.707	2.6	81	0.00
42	TM	1,2-Dichloroethane	50.000	52.720	-5.4	97	0.00
43	T	Isopropyl Acetate	50.000	52.690	-5.4	95	0.00
44	TM	Trichloroethene	50.000	59.815	-19.6	111	0.00
45	C	1,2-Dichloropropane	50.000	52.726	-5.5#	97	0.00
46	T	Dibromomethane	50.000	52.805	-5.6	99	0.00
47	T	Bromodichloromethane	50.000	52.215	-4.4	96	0.00
48	T	Methyl methacrylate	50.000	54.600	-9.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1137.947	-13.8	102	0.00
50	S	Toluene-d8	50.000	52.311	-4.6	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	278.979	-11.6	98	0.00
52	CM	Toluene	50.000	53.500	-7.0#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	52.154	-4.3	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.346	-4.7	94	0.00
55	T	1,1,2-Trichloroethane	50.000	53.949	-7.9	99	0.00
56	T	Ethyl methacrylate	50.000	58.234	-16.5	97	0.00
57	T	1,3-Dichloropropane	50.000	54.234	-8.5	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	294.697	-17.9	98	0.00
59	T	2-Hexanone	250.000	278.791	-11.5	96	0.00
60	T	Dibromochloromethane	50.000	53.126	-6.3	95	0.00
61	T	1,2-Dibromoethane	50.000	54.567	-9.1	97	0.00
62	S	4-Bromofluorobenzene	50.000	54.329	-8.7	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	66.382	-32.8#	127	0.00
65	PM	Chlorobenzene	50.000	51.612	-3.2	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.329	-2.7	96	0.00
67	C	Ethyl Benzene	50.000	53.233	-6.5#	96	0.00
68	T	m/p-Xylenes	100.000	106.367	-6.4	96	0.00
69	T	o-Xylene	50.000	53.967	-7.9	96	0.00
70	T	Styrene	50.000	55.090	-10.2	98	0.00
71	P	Bromoform	50.000	53.058	-6.1	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	49.859	0.3	97	0.00
74	T	N-amyl acetate	50.000	50.156	-0.3	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	30.709	38.6#	63	0.00
76	T	1,2,3-Trichloropropane	50.000	50.134	-0.3	100	0.00
77	T	Bromobenzene	50.000	49.502	1.0	100	0.00
78	T	n-propylbenzene	50.000	50.246	-0.5	97	0.00
79	T	2-Chlorotoluene	50.000	49.230	1.5	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.419	-0.8	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.520	7.0	90	0.00
82	T	4-Chlorotoluene	50.000	49.086	1.8	97	0.00
83	T	tert-Butylbenzene	50.000	49.742	0.5	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.455	-2.9	99	0.00
85	T	sec-Butylbenzene	50.000	50.405	-0.8	98	0.00
86	T	p-Isopropyltoluene	50.000	51.574	-3.1	98	0.00
87	T	1,3-Dichlorobenzene	50.000	49.310	1.4	99	0.00
88	T	1,4-Dichlorobenzene	50.000	49.448	1.1	99	0.00
89	T	n-Butylbenzene	50.000	51.422	-2.8	98	0.00
90	T	Hexachloroethane	50.000	48.894	2.2	99	0.00
91	T	1,2-Dichlorobenzene	50.000	50.078	-0.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.624	-1.2	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.582	-9.2	103	0.00
94	T	Hexachlorobutadiene	50.000	51.756	-3.5	102	0.00
95	T	Naphthalene	50.000	60.132	-20.3	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	55.748	-11.5	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

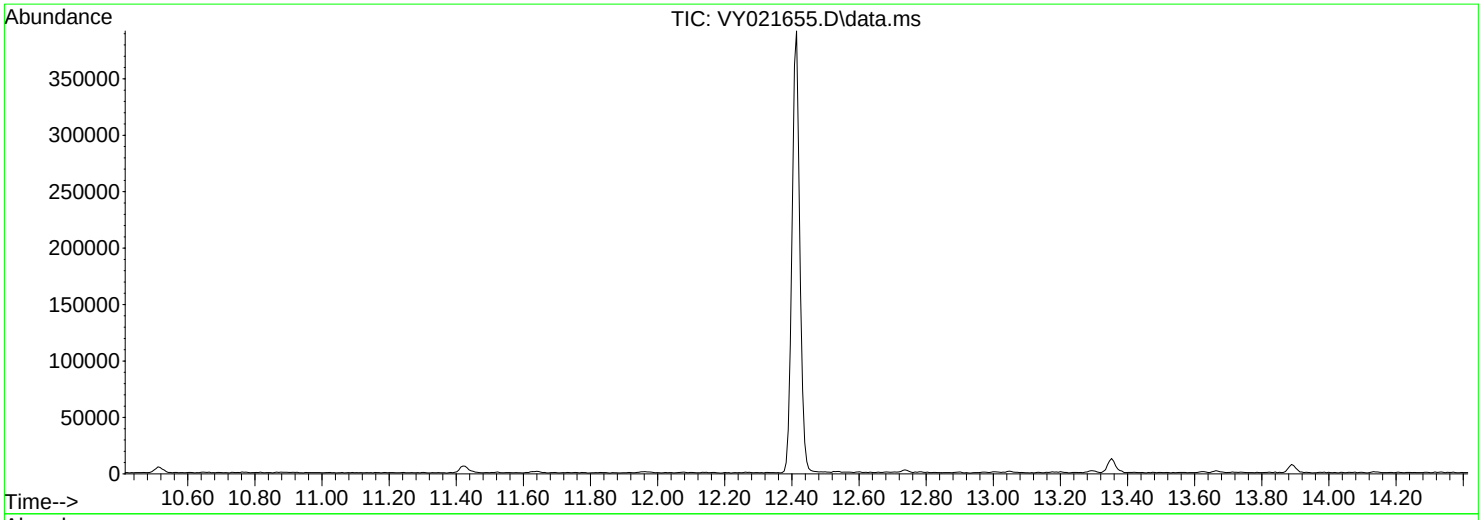
QC SAMPLE DATA

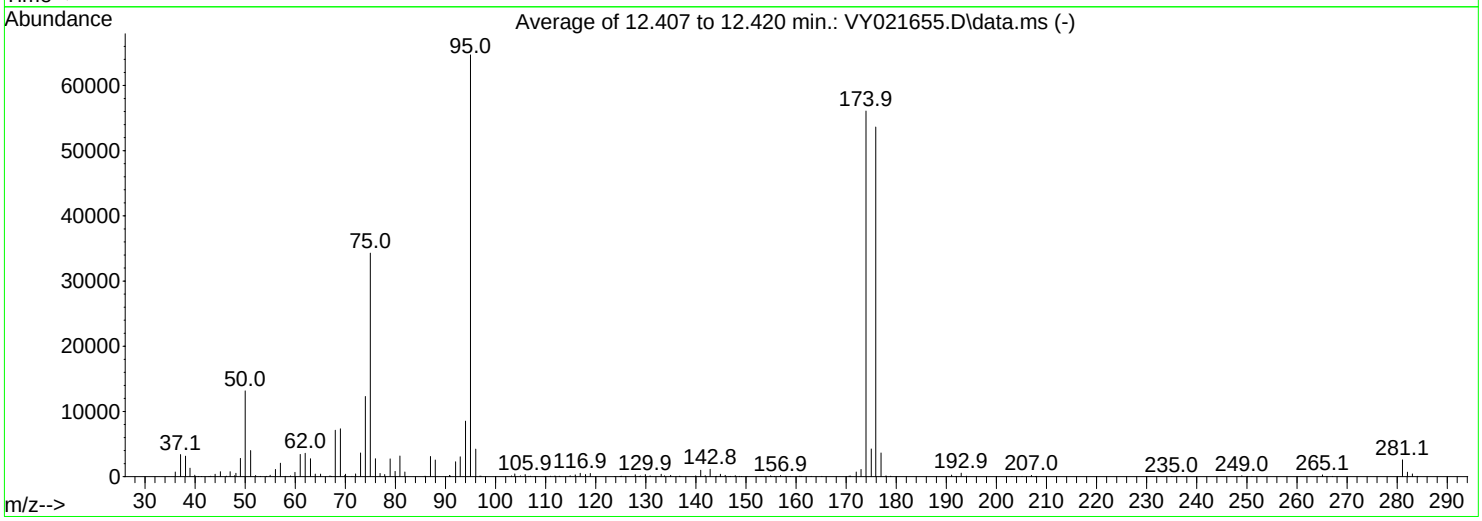
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021655.D
Acq On : 27 Mar 2025 09:23
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

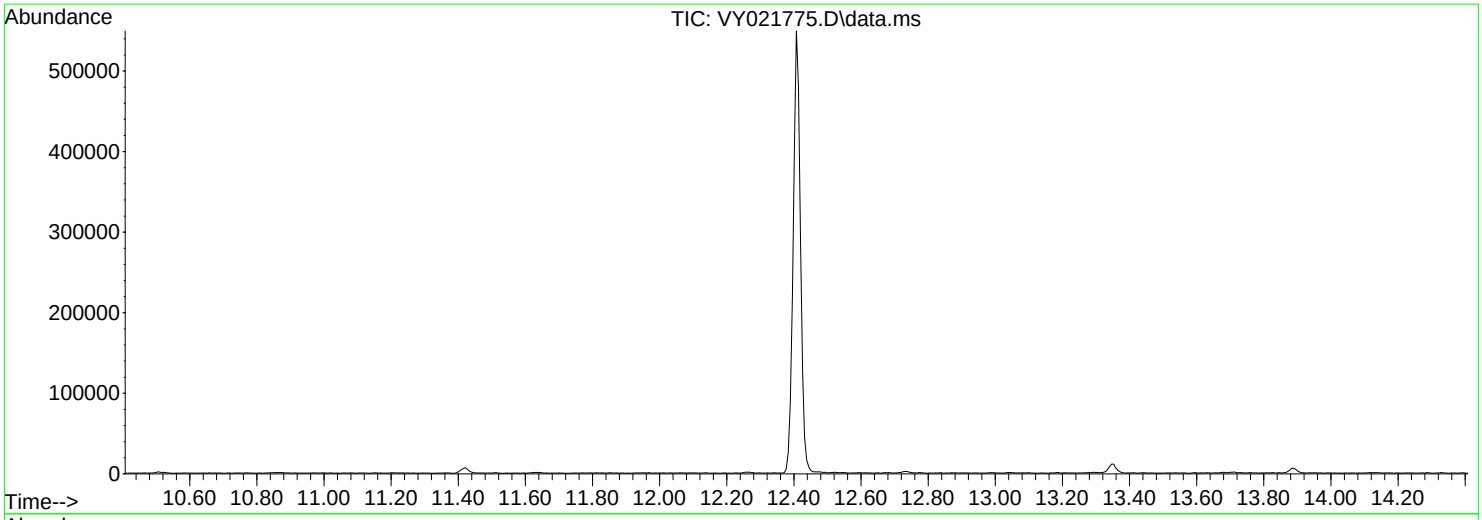
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	13171	PASS
75	95	30	60	53.0	34296	PASS
95	95	100	100	100.0	64701	PASS
96	95	5	9	6.5	4216	PASS
173	174	0.00	2	2.0	1112	PASS
174	95	50	100	86.7	56080	PASS
175	174	5	9	7.6	4256	PASS
176	174	95	101	95.6	53624	PASS
177	176	5	9	6.8	3635	PASS

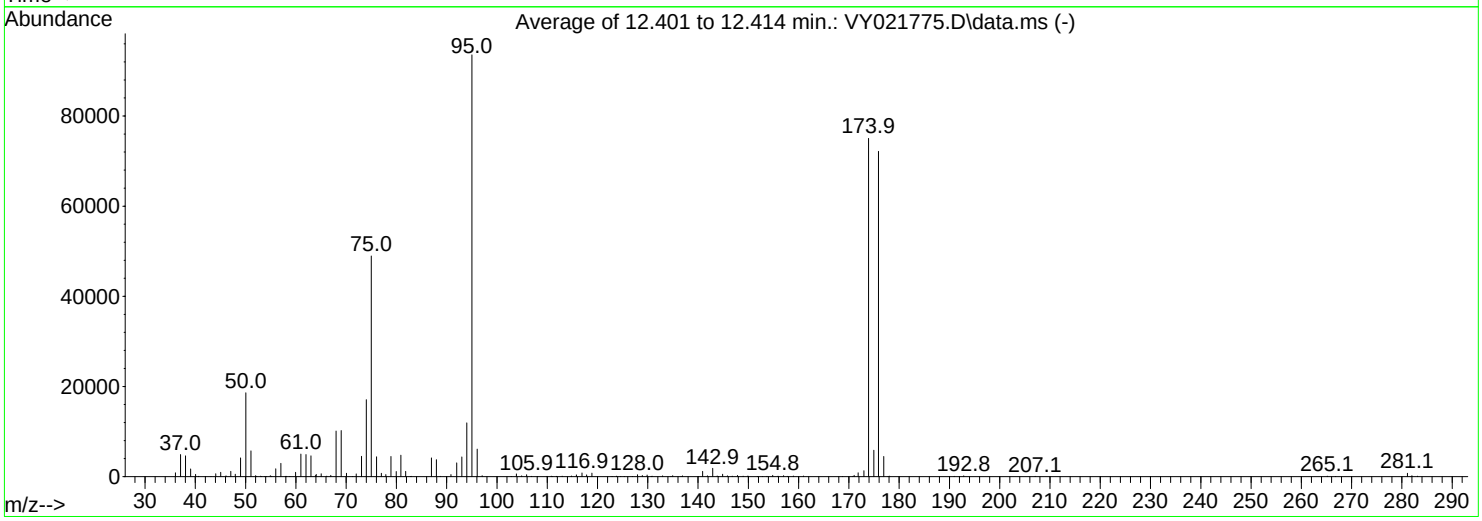
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021775.D
Acq On : 04 Apr 2025 08:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

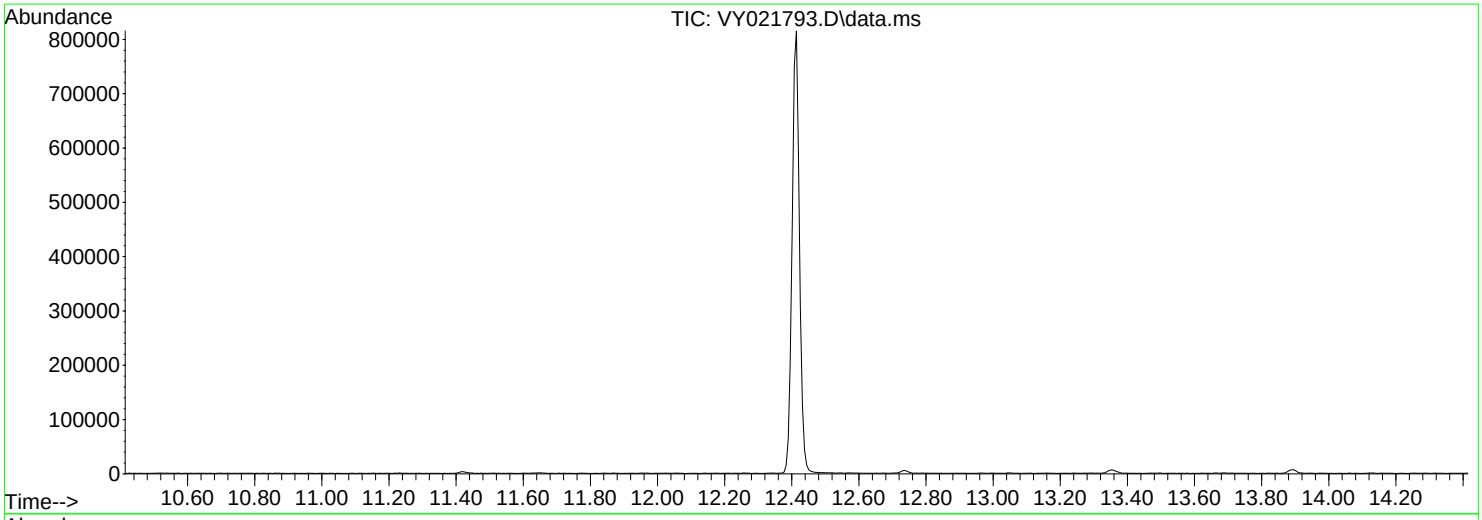
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	18613	PASS
75	95	30	60	52.3	48936	PASS
95	95	100	100	100.0	93568	PASS
96	95	5	9	6.5	6100	PASS
173	174	0.00	2	1.8	1333	PASS
174	95	50	100	80.2	75040	PASS
175	174	5	9	7.8	5856	PASS
176	174	95	101	96.2	72171	PASS
177	176	5	9	6.2	4456	PASS

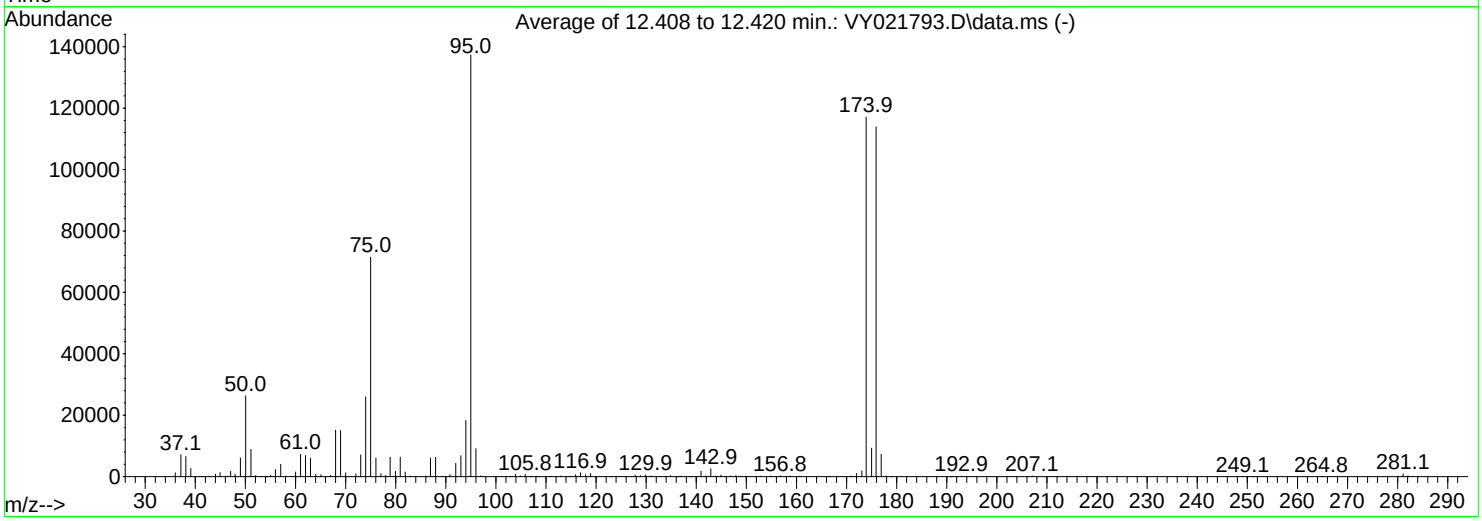
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021793.D
Acq On : 07 Apr 2025 08:38
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	26355	PASS
75	95	30	60	52.1	71517	PASS
95	95	100	100	100.0	137363	PASS
96	95	5	9	6.7	9139	PASS
173	174	0.00	2	1.7	1957	PASS
174	95	50	100	85.2	117088	PASS
175	174	5	9	7.9	9285	PASS
176	174	95	101	97.3	113936	PASS
177	176	5	9	6.4	7306	PASS

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:	VY0404SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBL01	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
VY021777.D	1		04/04/25 09:57	VY040425

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

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:	VY0404SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBL01	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
VY021777.D	1		04/04/25 09:57	VY040425

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

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:	VY0404SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBL01	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
VY021777.D	1		04/04/25 09:57	VY040425

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	50.5		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.3		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	293000	7.713				
540-36-3	1,4-Difluorobenzene	558000	8.616				
3114-55-4	Chlorobenzene-d5	508000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	199000	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\VY040425\
Data File : VY021777.D
Acq On : 04 Apr 2025 09:57
Operator : SY/MD
Sample : VY0404SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Quant Time: Apr 04 23:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

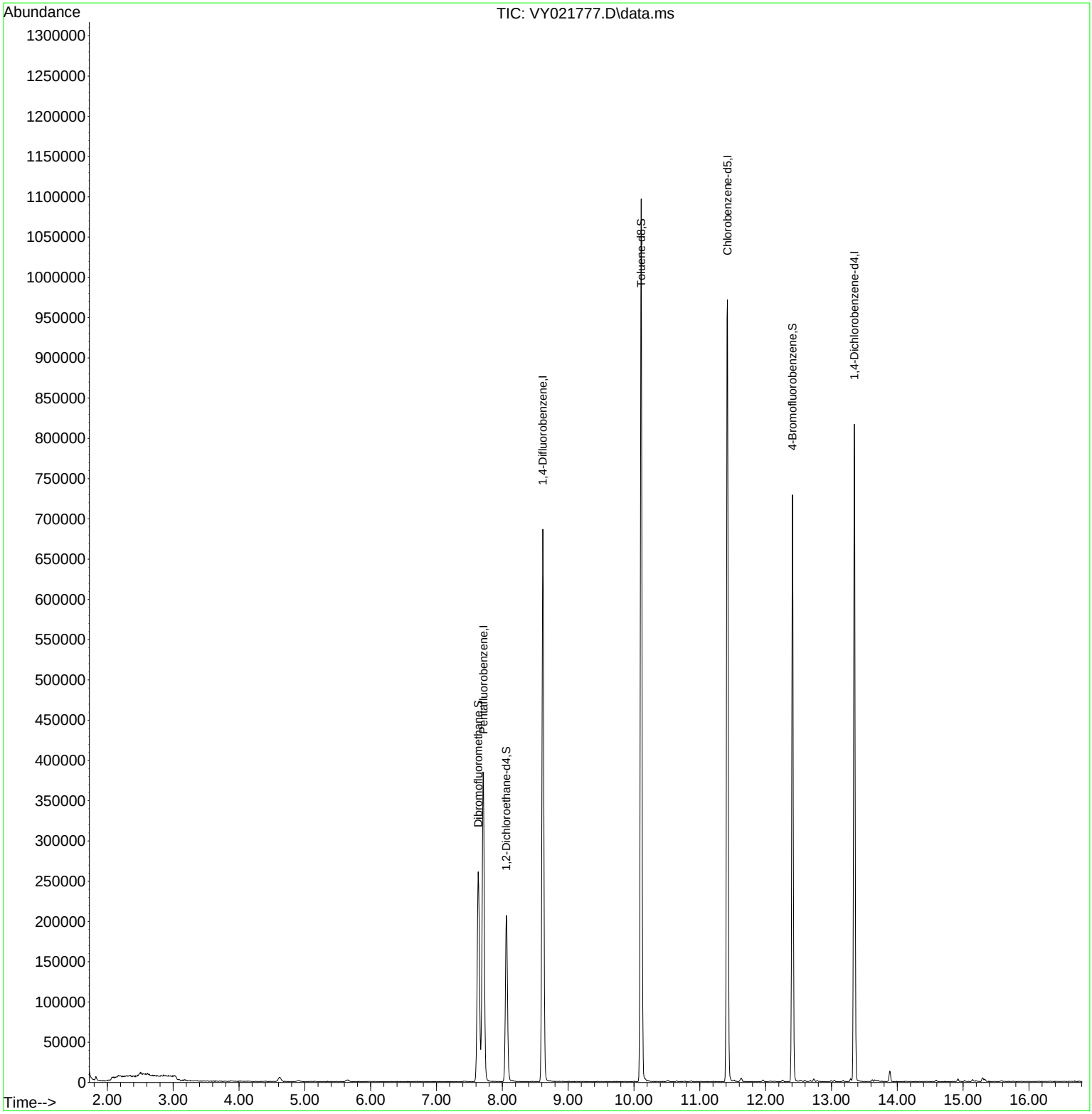
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	292871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	557825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	508122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	199436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166091	52.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.680%			
35) Dibromofluoromethane	7.634	113	182822	50.524	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.040%			
50) Toluene-d8	10.109	98	678710	49.304	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.600%			
62) 4-Bromofluorobenzene	12.408	95	210519	45.212	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.420%			
Target Compounds						Qvalue

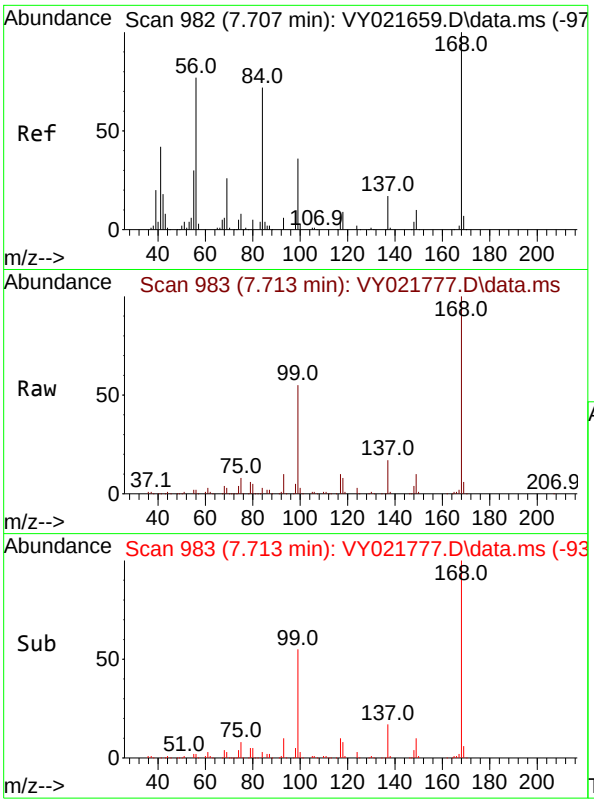
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021777.D
Acq On : 04 Apr 2025 09:57
Operator : SY/MD
Sample : VY0404SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Quant Time: Apr 04 23:38:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



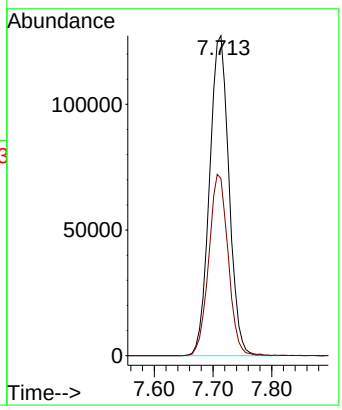


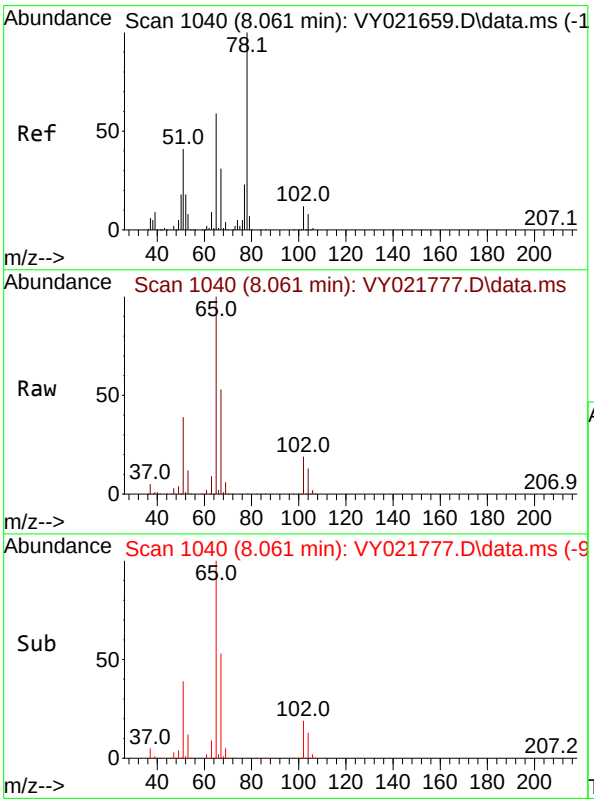
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Tgt Ion:168 Resp: 292871

Ion	Ratio	Lower	Upper
168	100		
99	55.4	46.7	70.1

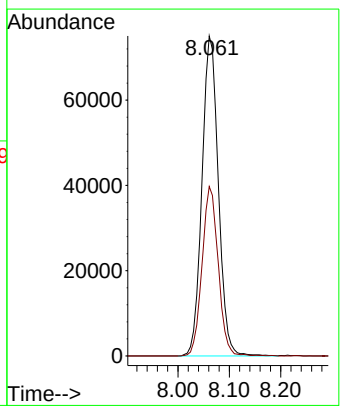


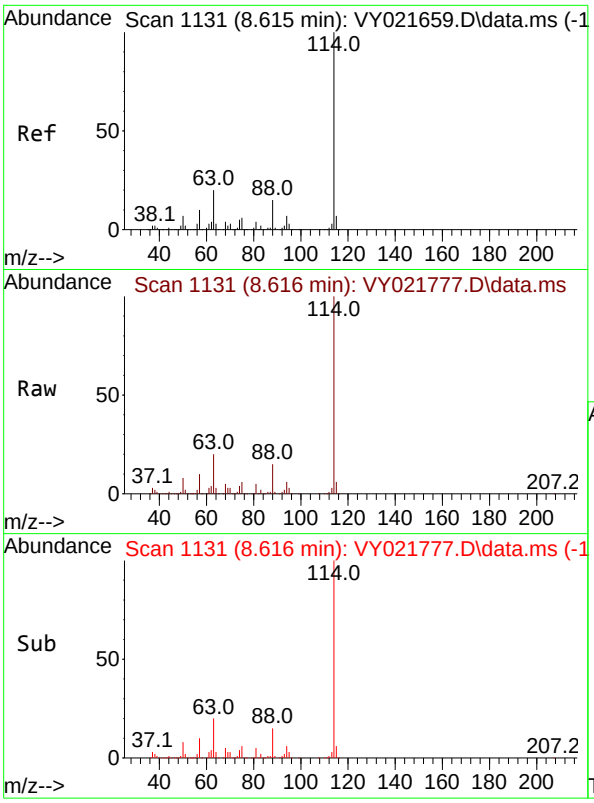


#33
1,2-Dichloroethane-d4
Concen: 52.342 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Tgt Ion: 65 Resp: 166091

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6



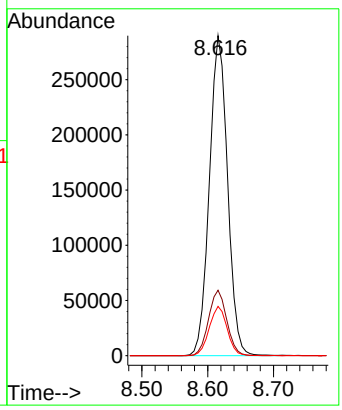


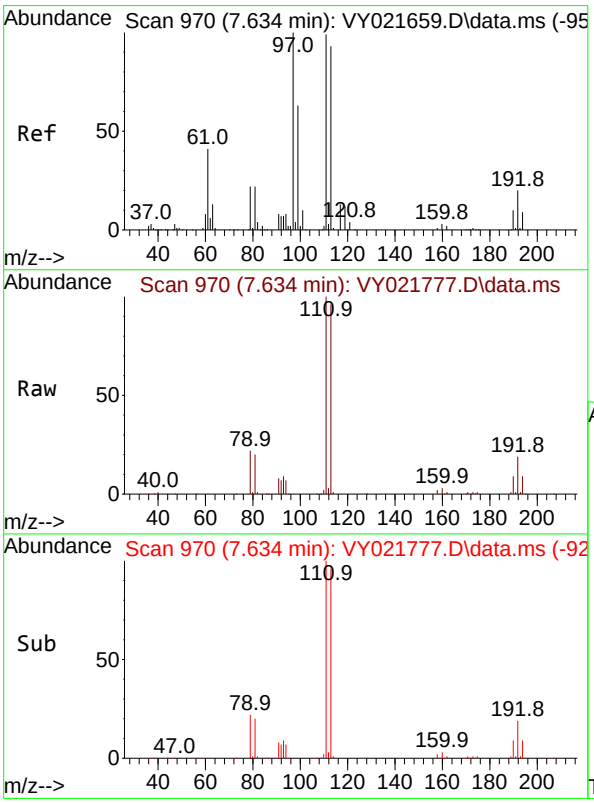
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Tgt Ion:114 Resp: 557825

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.2
88	15.4	0.0	29.8

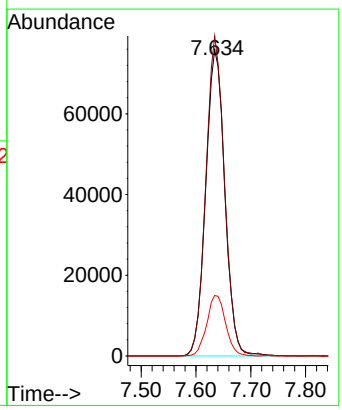


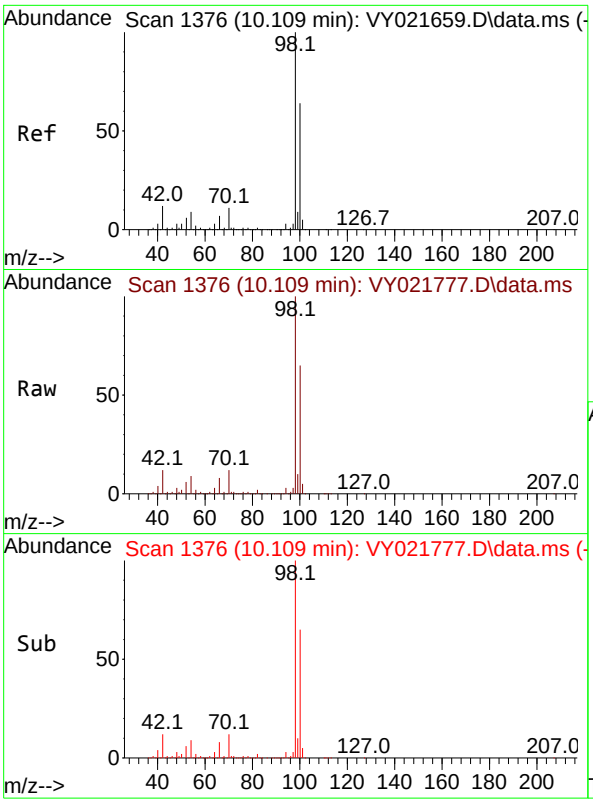


#35
Dibromofluoromethane
Concen: 50.524 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Tgt Ion:113 Resp: 182822

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	19.6	16.2	24.4



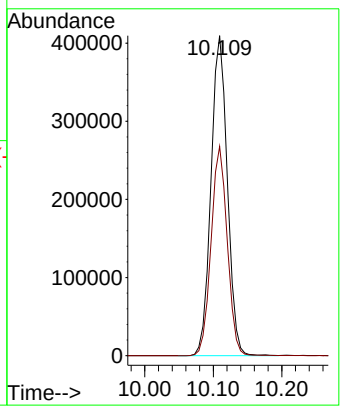


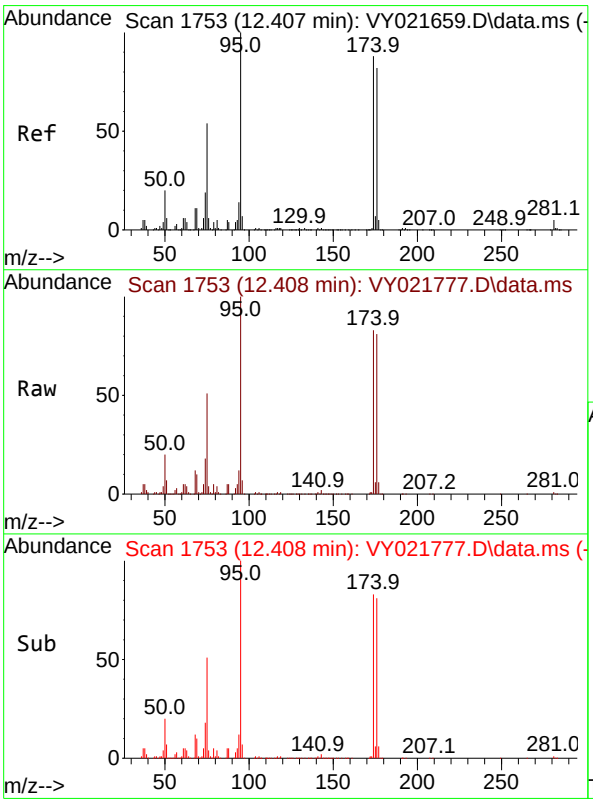
#50
Toluene-d8
Concen: 49.304 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Tgt Ion: 98 Resp: 678710

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

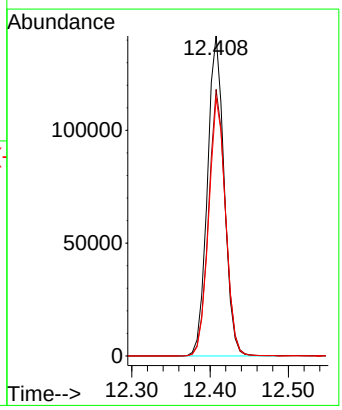


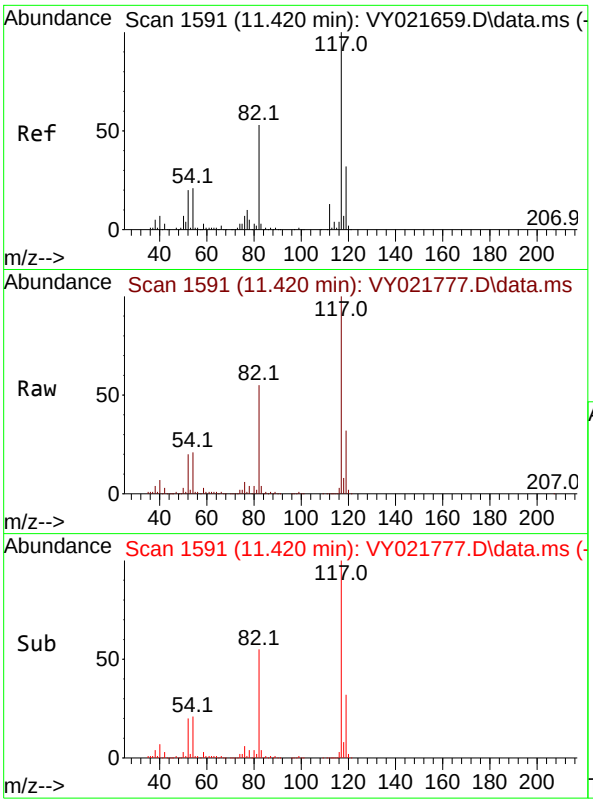


#62
4-Bromofluorobenzene
Concen: 45.212 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Tgt Ion: 95 Resp: 210519

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.8
176	81.1	0.0	162.0



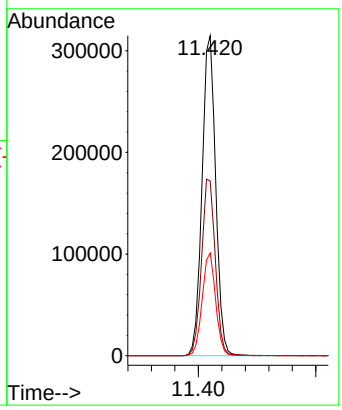


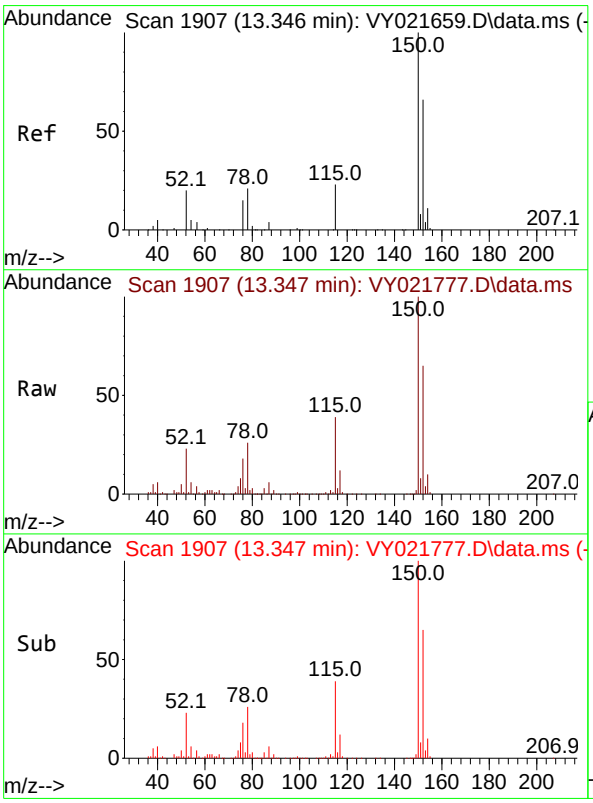
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

Tgt Ion:117 Resp: 508122

Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	32.1	25.7	38.5

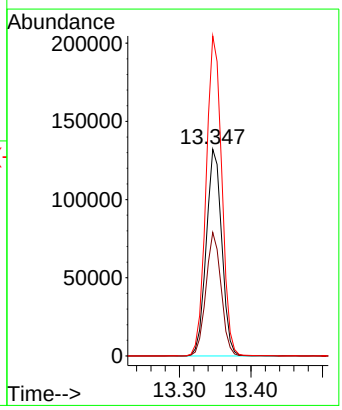




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021777.D
Acq: 04 Apr 2025 09:57

Tgt Ion:152 Resp: 199436

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.8	86.5
150	155.9	0.0	348.4



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:	VY0407SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBL01	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
VY021795.D	1		04/07/25 13:35	VY040725

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

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:	VY0407SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBL01	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
VY021795.D	1		04/07/25 13:35	VY040725

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0407SBL01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBL01	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
VY021795.D	1		04/07/25 13:35	VY040725

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	51.6		71 - 136		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	47.6		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	188000	7.713				
540-36-3	1,4-Difluorobenzene	313000	8.616				
3114-55-4	Chlorobenzene-d5	266000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.352				

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\VY040725\
Data File : VY021795.D
Acq On : 07 Apr 2025 13:35
Operator : SY/MD
Sample : VY0407SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Quant Time: Apr 08 03:31:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

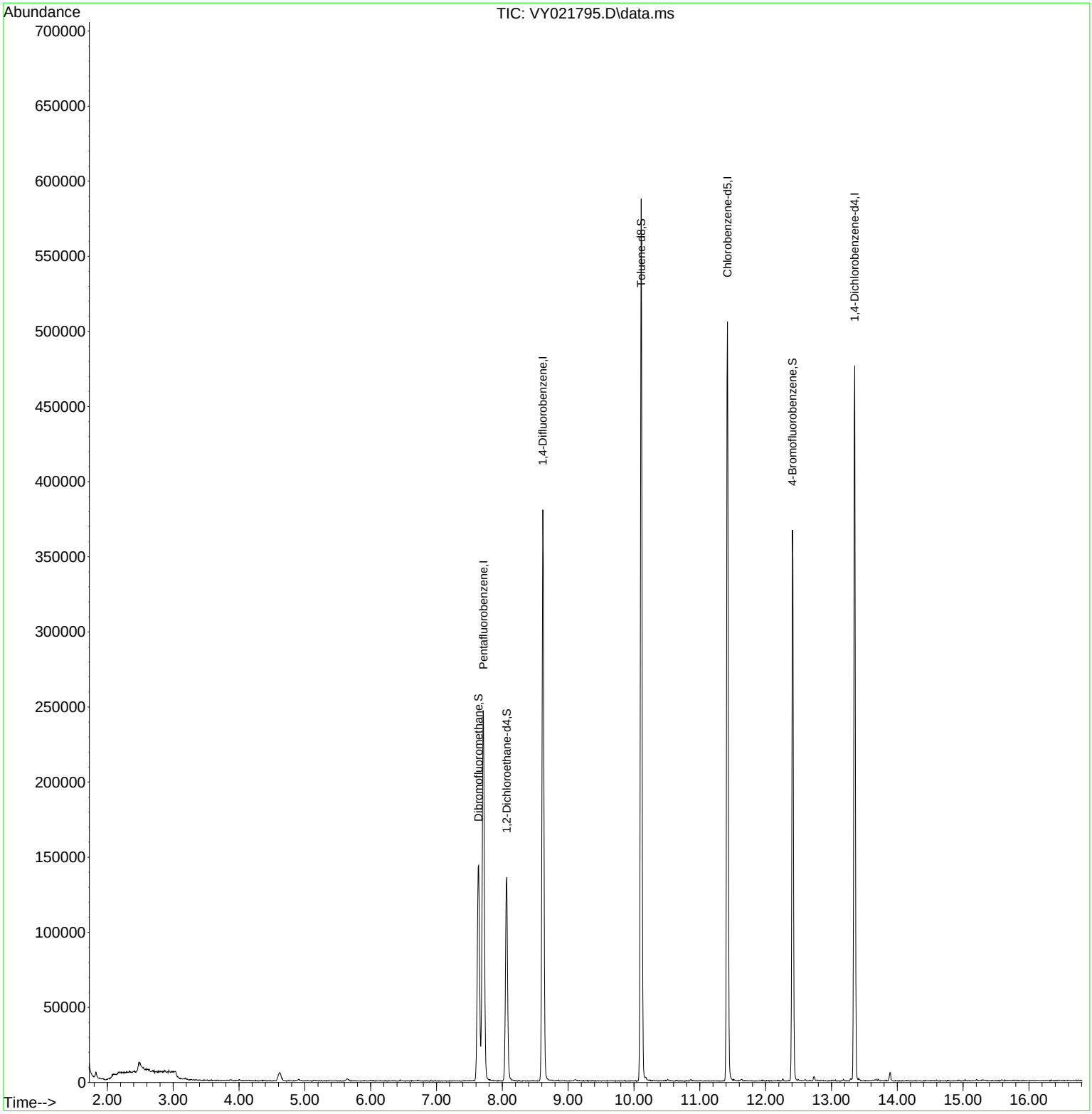
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	188077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	265951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105208	51.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.260%			
35) Dibromofluoromethane	7.640	113	102182	50.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.109	98	367788	47.565	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.120%			
62) 4-Bromofluorobenzene	12.408	95	109514	41.872	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.740%			
Target Compounds						Qvalue

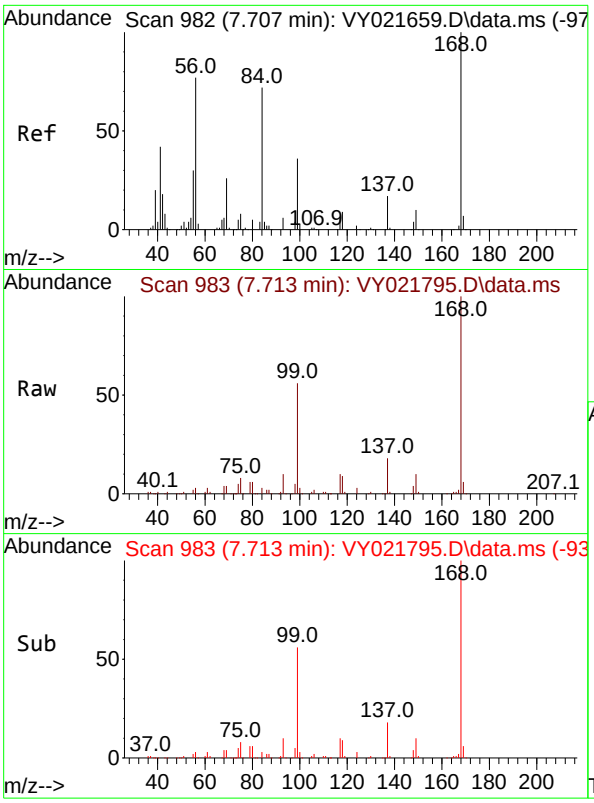
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021795.D
Acq On : 07 Apr 2025 13:35
Operator : SY/MD
Sample : VY0407SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Quant Time: Apr 08 03:31:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



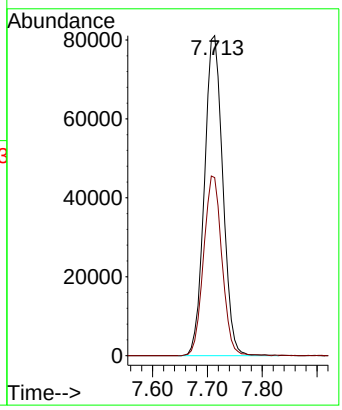


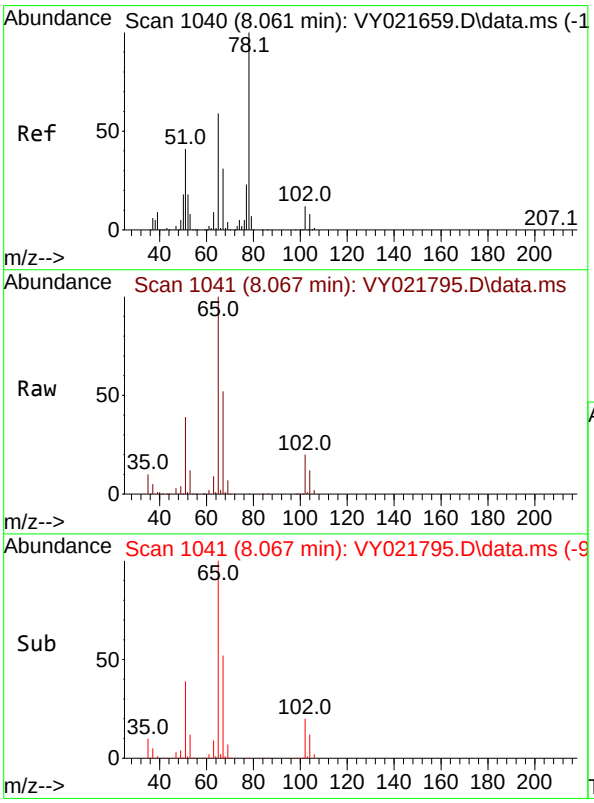
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Tgt Ion:168 Resp: 188077

Ion	Ratio	Lower	Upper
168	100		
99	55.6	46.7	70.1

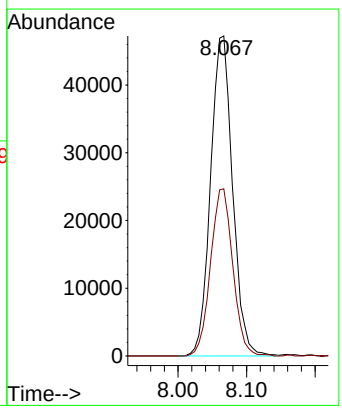


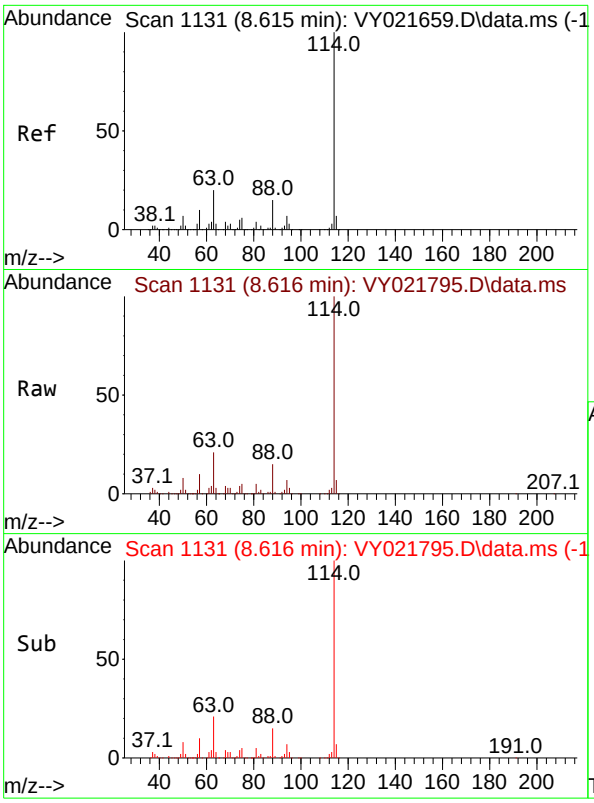


#33
1,2-Dichloroethane-d4
Concen: 51.629 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Tgt Ion: 65 Resp: 105208

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6



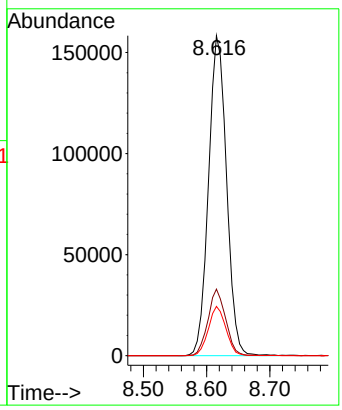


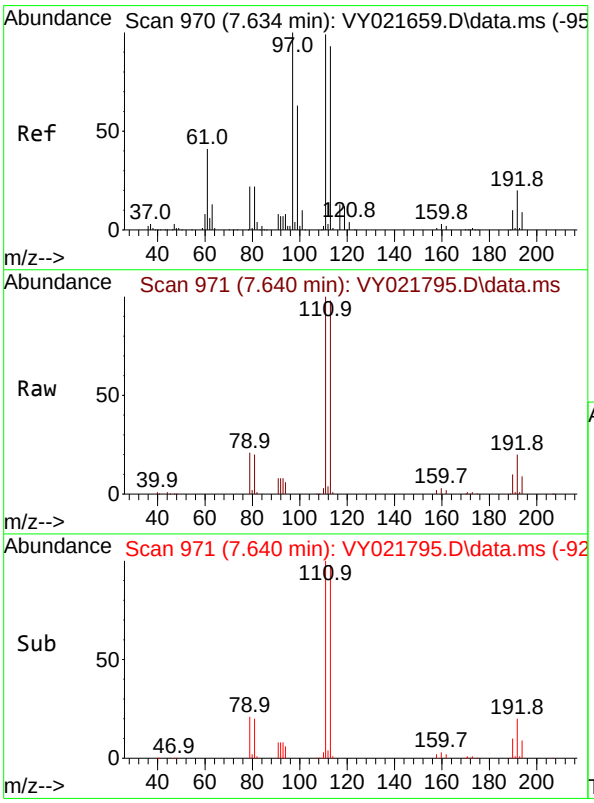
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Tgt Ion:114 Resp: 313333

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.2
88	15.4	0.0	29.8

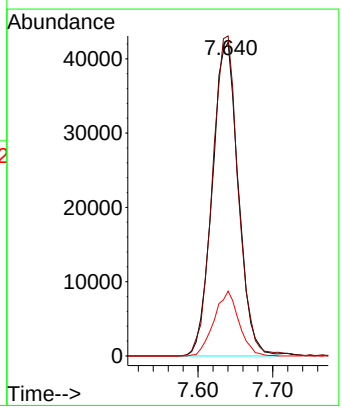


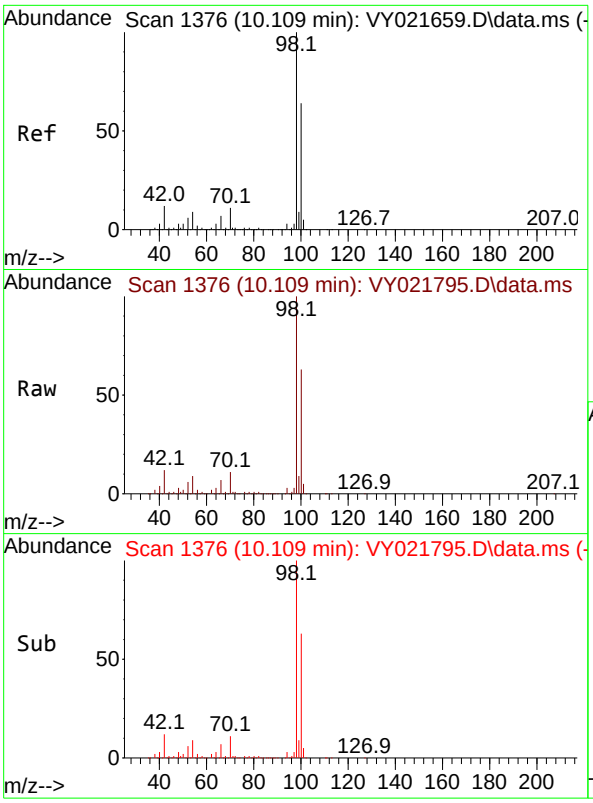


#35
Dibromofluoromethane
Concen: 50.273 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Tgt Ion:113 Resp: 102182

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	19.8	16.2	24.4



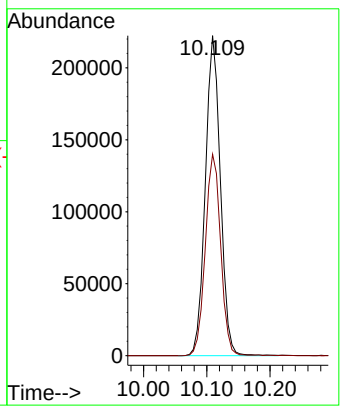


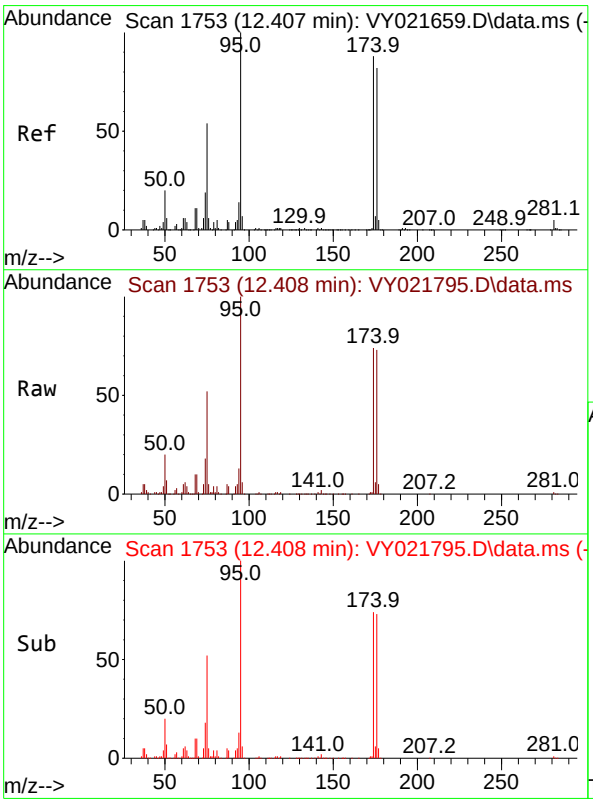
#50
Toluene-d8
Concen: 47.565 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Tgt Ion: 98 Resp: 367788

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

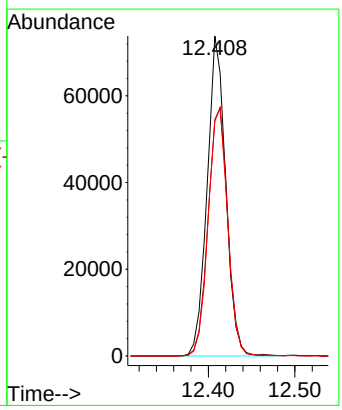


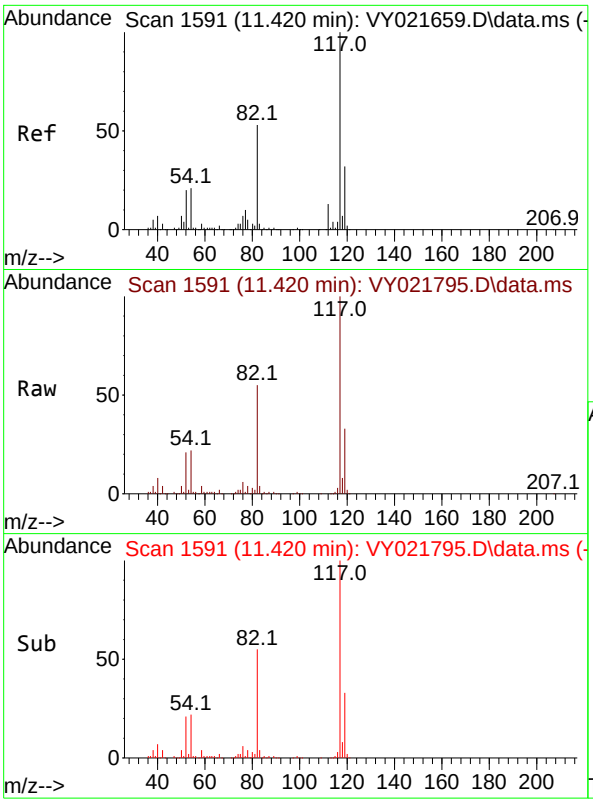


#62
4-Bromofluorobenzene
Concen: 41.872 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Tgt Ion: 95 Resp: 109514

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	170.8
176	81.1	0.0	162.0



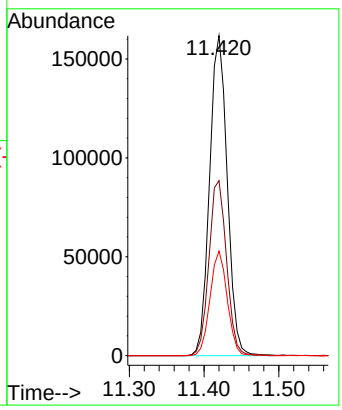


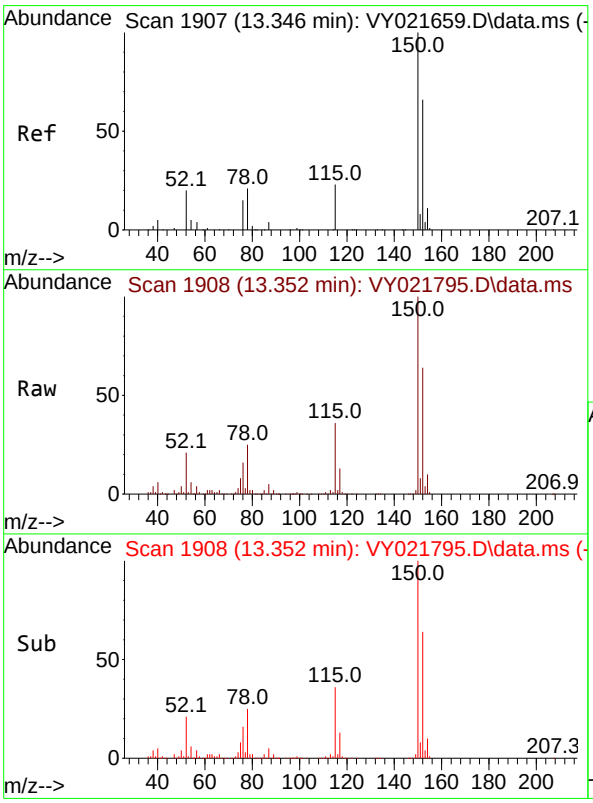
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBL01

Tgt Ion:117 Resp: 265951

Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.8	64.2
119	32.7	25.7	38.5

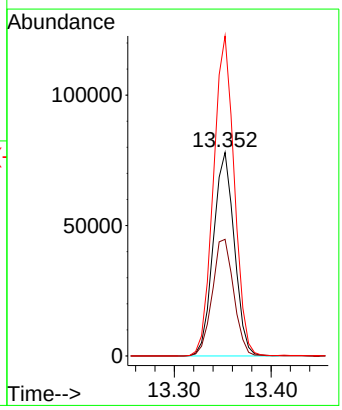




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021795.D
Acq: 07 Apr 2025 13:35

Tgt Ion:152 Resp: 117542

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.5
150	156.1	0.0	348.4



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:	VY0404SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBS01	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
VY021778.D	1		04/04/25 10:26	VY040425

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	0.020		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	0.086		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	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		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	0.086		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	0.018		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	0.019		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	0.020		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	0.019		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	0.089		0.0036	0.013	0.025	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:	VY0404SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBS01	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
VY021778.D	1		04/04/25 10:26	VY040425

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	0.019		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.086		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.019		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.019		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	0.039		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	0.020		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	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.017		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	0.019		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	0.019		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	0.019		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	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		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:	VY0404SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBS01	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
VY021778.D	1		04/04/25 10:26	VY040425

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	0.018		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	0.016		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	53.8		85 - 116		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	212000	7.707				
540-36-3	1,4-Difluorobenzene	334000	8.616				
3114-55-4	Chlorobenzene-d5	293000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	153000	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\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	212143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120482	52.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.840%			
35) Dibromofluoromethane	7.634	113	115347	53.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	442990	53.826	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.408	95	147041	52.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	41144	18.712	ug/l	99
3) Chloromethane	2.068	50	58954	19.068	ug/l	99
4) Vinyl Chloride	2.202	62	65062	18.607	ug/l	97
5) Bromomethane	2.592	94	47976	20.117	ug/l	95
6) Chloroethane	2.732	64	43877	19.177	ug/l	96
7) Trichlorofluoromethane	3.056	101	89235	19.922	ug/l	100
8) Diethyl Ether	3.458	74	22185	18.213	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	48570	20.560	ug/l	98
10) Methyl Iodide	4.000	142	44798	17.285	ug/l	99
11) Tert butyl alcohol	4.866	59	12244	82.013	ug/l	95
12) 1,1-Dichloroethene	3.793	96	42906	19.282	ug/l	92
13) Acrolein	3.647	56	16463	60.392	ug/l	99
14) Allyl chloride	4.378	41	67265	18.959	ug/l	100
15) Acrylonitrile	5.055	53	45360	89.186	ug/l	99
16) Acetone	3.872	43	40290	85.648	ug/l	96
17) Carbon Disulfide	4.104	76	137006	18.693	ug/l	98
18) Methyl Acetate	4.391	43	20676	17.734	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	100727	18.182	ug/l	99
20) Methylene Chloride	4.616	84	49303	19.022	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	46460	18.963	ug/l	97
22) Diisopropyl ether	6.018	45	146797	19.724	ug/l	99
23) Vinyl Acetate	5.957	43	398090	91.434	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88158	19.810	ug/l	99
25) 2-Butanone	6.896	43	58346	86.838	ug/l	100
26) 2,2-Dichloropropane	6.884	77	79277	20.027	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53845	19.543	ug/l	98
28) Bromochloromethane	7.244	49	36923	19.673	ug/l	99
29) Tetrahydrofuran	7.262	42	37289	86.232	ug/l	99
30) Chloroform	7.421	83	91381	19.742	ug/l	98
31) Cyclohexane	7.701	56	79706	19.648	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	82677	19.763	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66538	20.193	ug/l	100
37) Ethyl Acetate	6.982	43	27198	17.489	ug/l	98
38) Carbon Tetrachloride	7.817	117	76509	20.272	ug/l	97
39) Methylcyclohexane	9.109	83	76412	19.412	ug/l	96
40) Benzene	8.079	78	195115	19.772	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	17734m	21.473	ug/l		
42) 1,2-Dichloroethane	8.158	62	54315	19.524	ug/l		99
43) Isopropyl Acetate	8.195	43	52154	17.697	ug/l		100
44) Trichloroethene	8.865	130	51288	20.398	ug/l		100
45) 1,2-Dichloropropane	9.140	63	46551	19.929	ug/l		93
46) Dibromomethane	9.231	93	25248	18.755	ug/l		99
47) Bromodichloromethane	9.420	83	68808	19.726	ug/l		97
48) Methyl methacrylate	9.219	41	23114	17.089	ug/l		96
49) 1,4-Dioxane	9.231	88	4846	336.031	ug/l		88
51) 4-Methyl-2-Pentanone	9.999	43	135987	88.669	ug/l		99
52) Toluene	10.170	92	123058	19.987	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	59016	19.048	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	70388	19.257	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	33954	19.599	ug/l		98
56) Ethyl methacrylate	10.438	69	40236	18.189	ug/l		98
57) 1,3-Dichloropropane	10.719	76	56667	18.940	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	102441	94.929	ug/l		99
59) 2-Hexanone	10.761	43	87999	86.157	ug/l		99
60) Dibromochloromethane	10.908	129	45764	19.348	ug/l		98
61) 1,2-Dibromoethane	11.011	107	31019	19.087	ug/l		98
64) Tetrachloroethene	10.646	164	57226	21.437	ug/l		100
65) Chlorobenzene	11.444	112	132663	19.745	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	48189	20.215	ug/l		99
67) Ethyl Benzene	11.517	91	225955	19.612	ug/l		100
68) m/p-Xylenes	11.627	106	172512	39.102	ug/l		100
69) o-Xylene	11.956	106	80655	19.805	ug/l		98
70) Styrene	11.969	104	133338	19.637	ug/l		99
71) Bromoform	12.133	173	25637	18.854	ug/l	#	100
73) Isopropylbenzene	12.255	105	212669	18.738	ug/l		99
74) N-amyl acetate	12.072	43	42780	16.060	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	34853	17.080	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	27600m	18.221	ug/l		
77) Bromobenzene	12.529	156	51842	19.024	ug/l		97
78) n-propylbenzene	12.597	91	266033	19.496	ug/l		100
79) 2-Chlorotoluene	12.682	91	151959	19.174	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	175739	18.945	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10734	16.328	ug/l		94
82) 4-Chlorotoluene	12.779	91	157038	19.006	ug/l		99
83) tert-Butylbenzene	12.999	119	153946	18.633	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	175765	19.171	ug/l		100
85) sec-Butylbenzene	13.176	105	233999	19.380	ug/l		100
86) p-Isopropyltoluene	13.292	119	193222	19.362	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	101973	18.993	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	100243	18.898	ug/l		97
89) n-Butylbenzene	13.621	91	176297	19.102	ug/l		98
90) Hexachloroethane	13.877	117	42163	19.280	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	89291	19.105	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5533	17.494	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	45347	17.892	ug/l		98
94) Hexachlorobutadiene	15.023	225	30393	19.201	ug/l		98
95) Naphthalene	15.145	128	66390	15.803	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	38305	17.723	ug/l		99

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Instrument :
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ClientSampleId :
VY0404SBS01

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

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

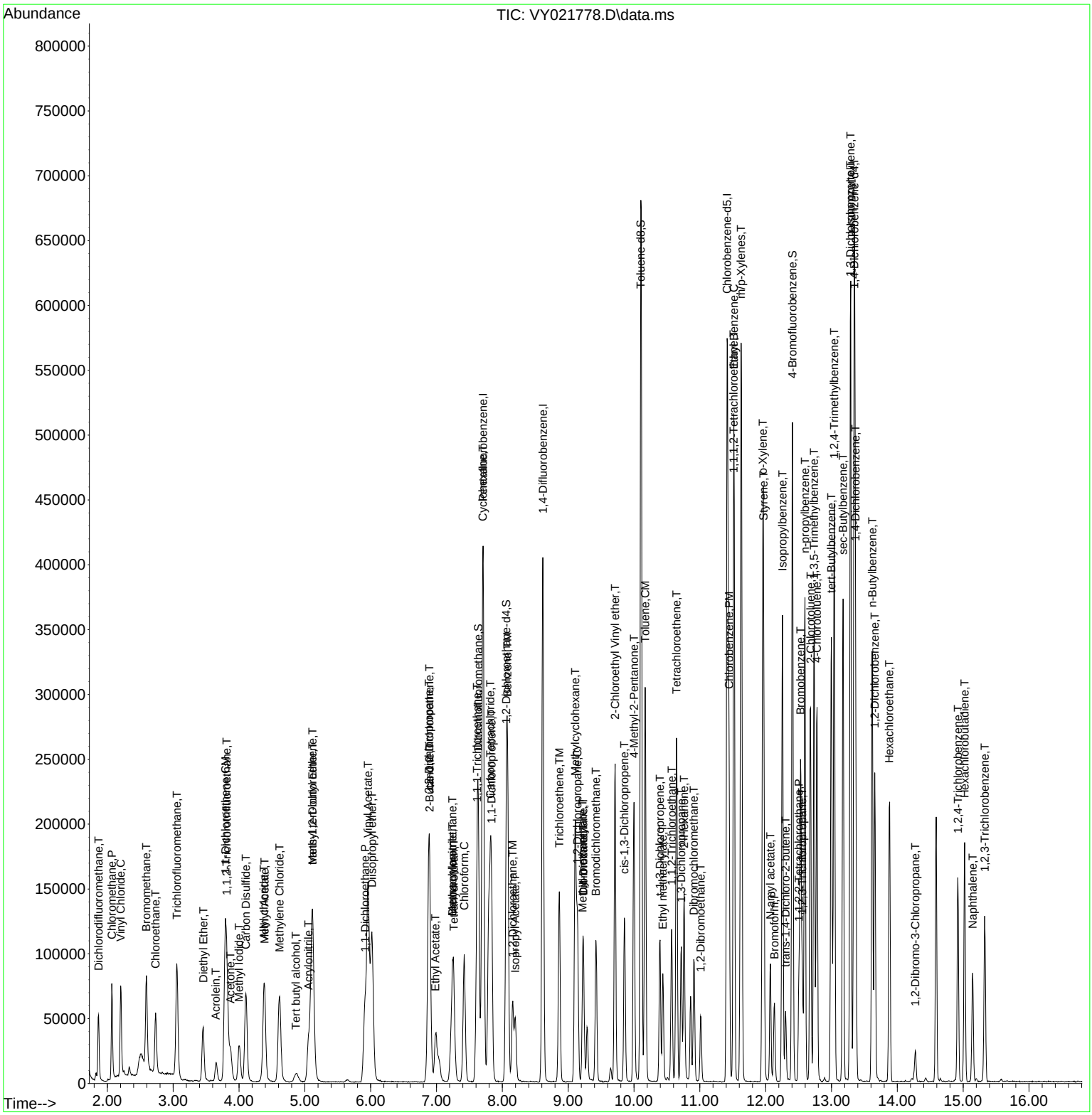
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Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
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ALS Vial : 4 Sample Multiplier: 1

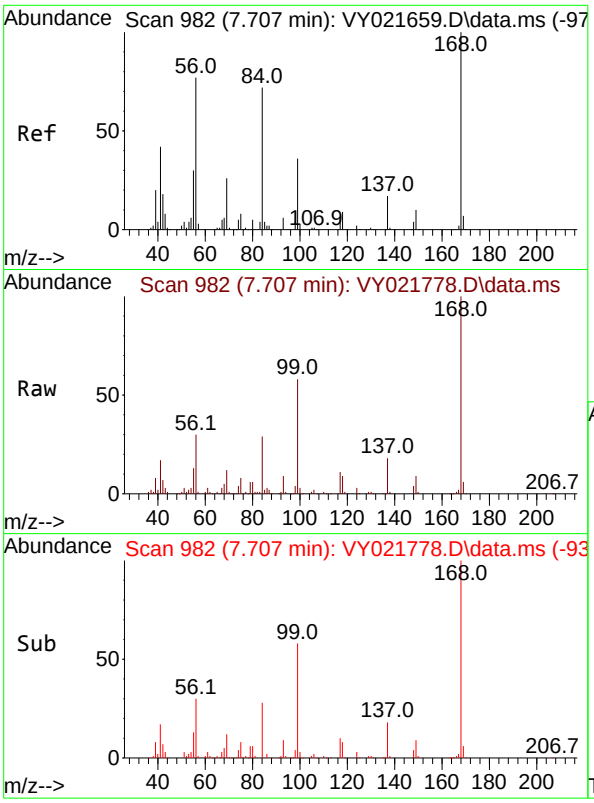
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

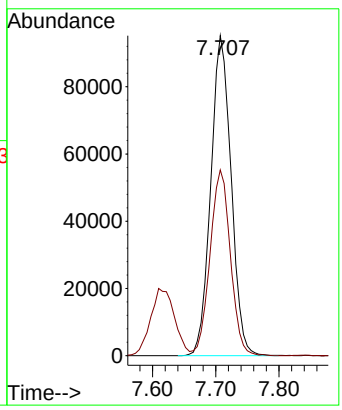
Tgt Ion:168 Resp: 21214

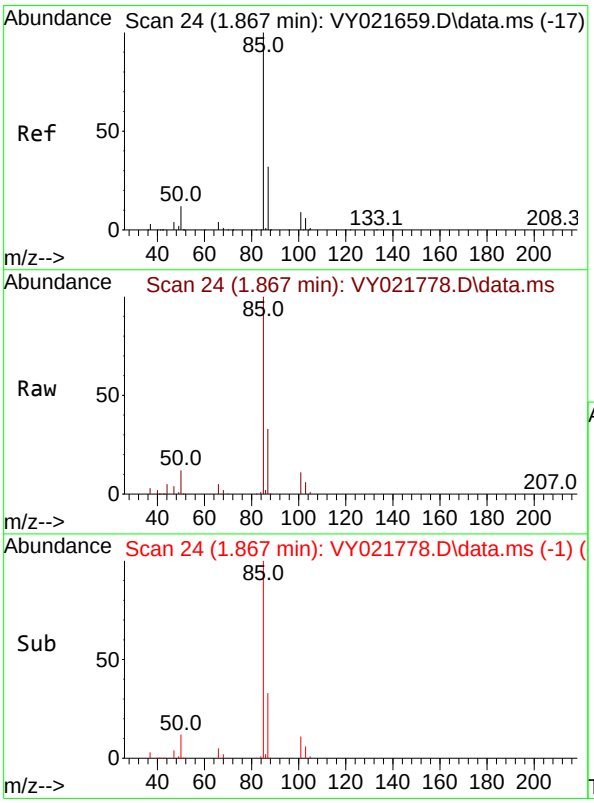
Ion	Ratio	Lower	Upper
168	100		
99	58.0	46.7	70.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

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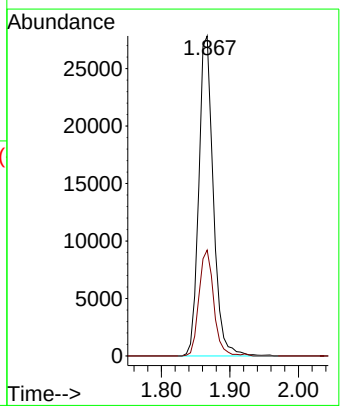


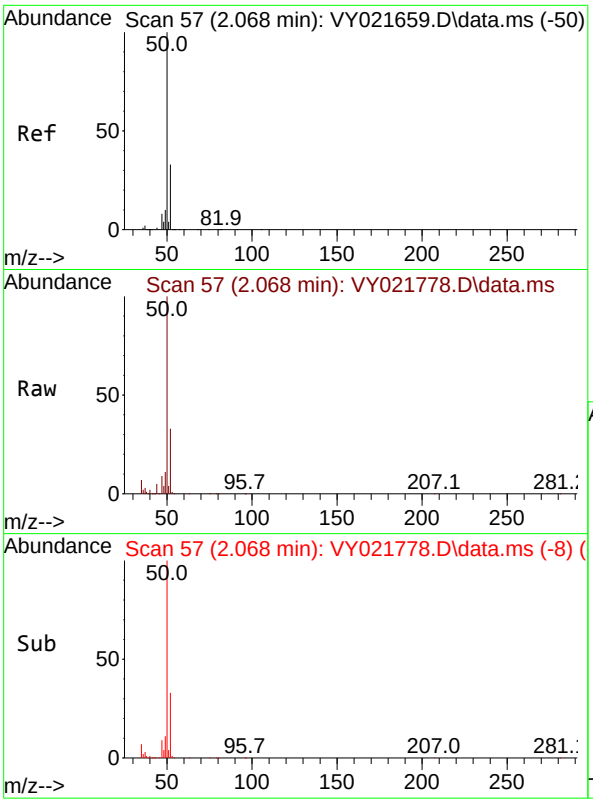


#2
Dichlorodifluoromethane
Concen: 18.712 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 85 Resp: 41144

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6

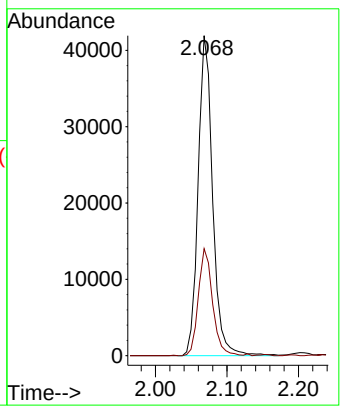




#3
Chloromethane
Concen: 19.068 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 50 Resp: 5895

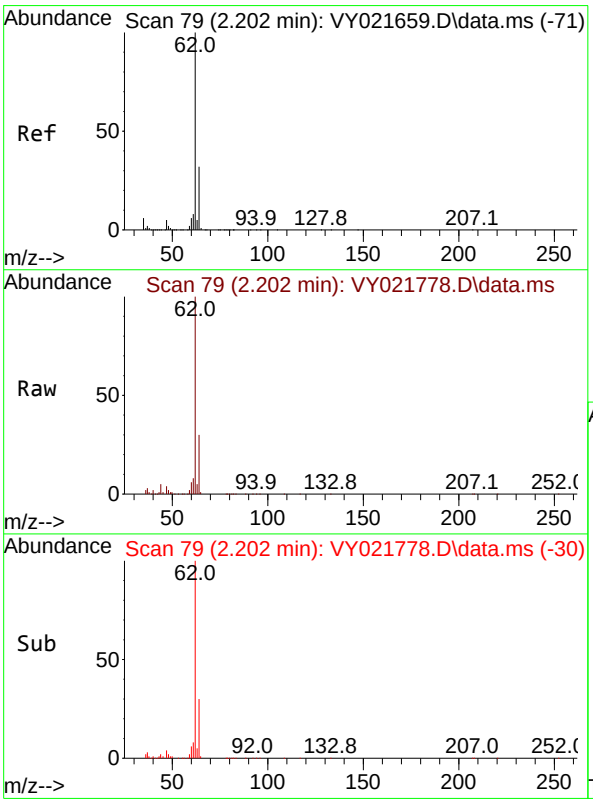
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
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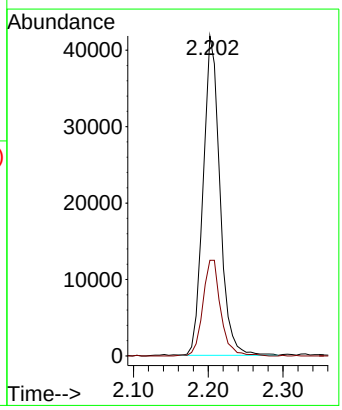
Reviewed By :Mahesh Dadoda 04/07/2025
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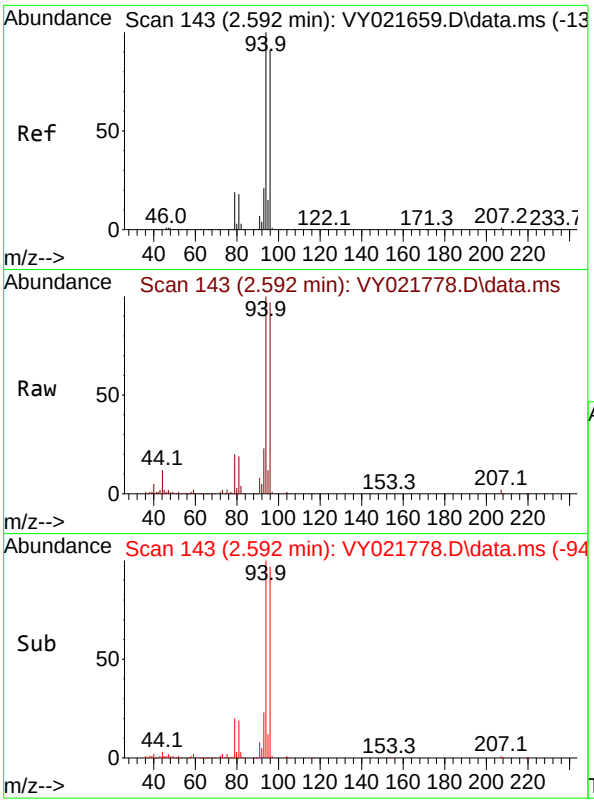


#4
Vinyl Chloride
Concen: 18.607 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 62 Resp: 65062

Ion	Ratio	Lower	Upper
62	100		
64	30.0	25.5	38.3

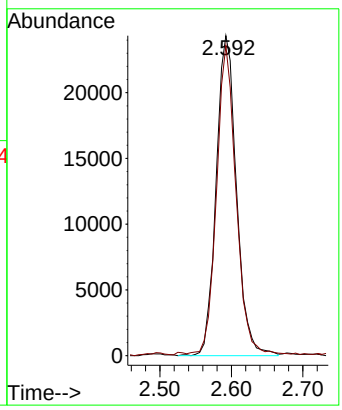




#5
Bromomethane
Concen: 20.117 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 94 Resp: 4797

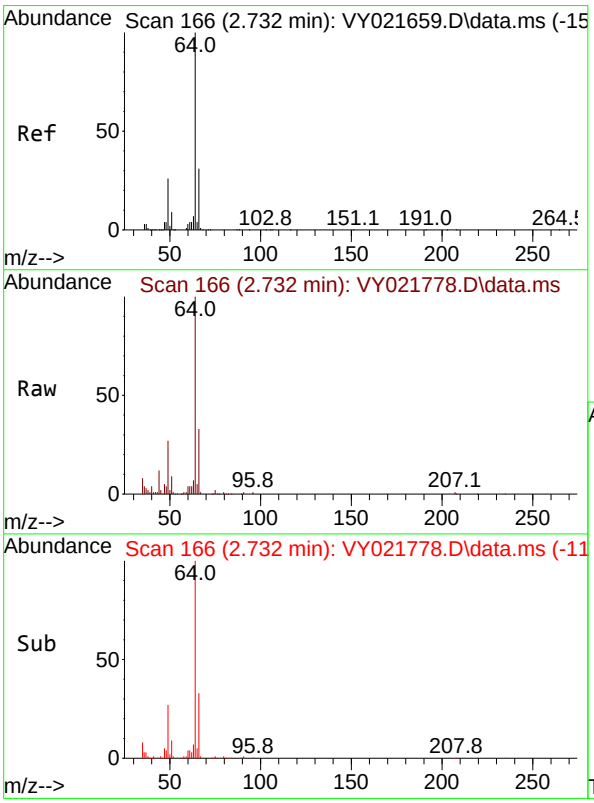
Ion	Ratio	Lower	Upper
94	100		
96	96.1	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

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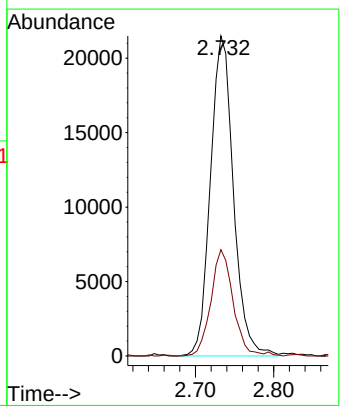
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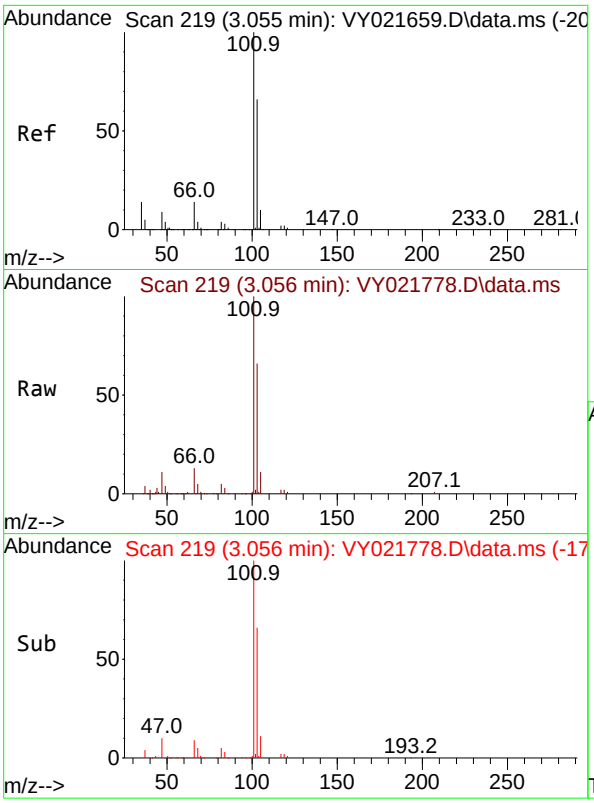


#6
Chloroethane
Concen: 19.177 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 64 Resp: 43877

Ion	Ratio	Lower	Upper
64	100		
66	33.2	24.9	37.3

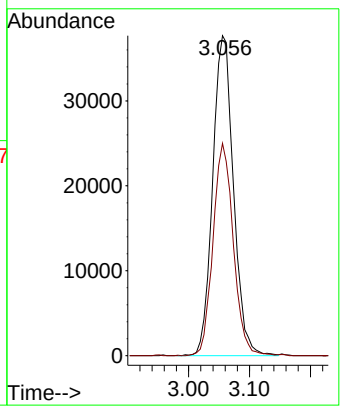




#7
Trichlorofluoromethane
Concen: 19.922 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:101 Resp: 8923

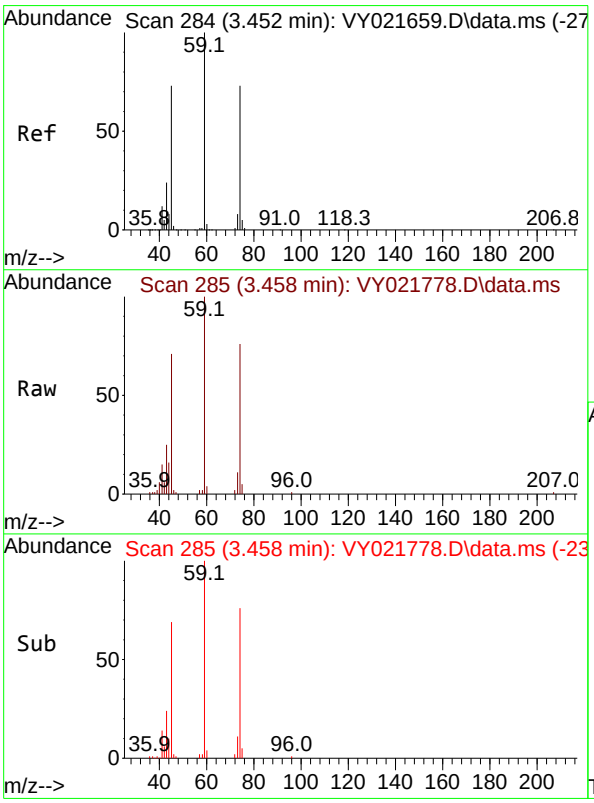
Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

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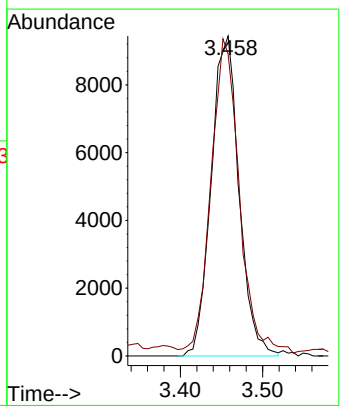
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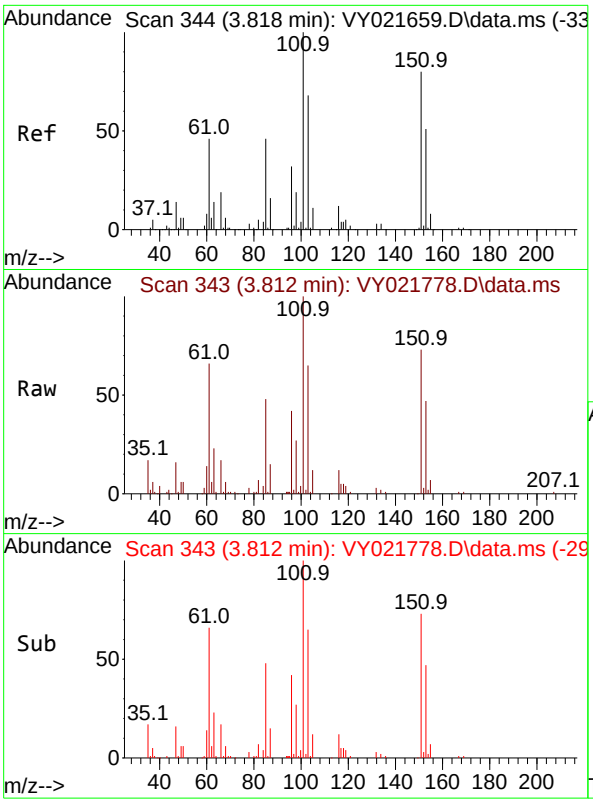


#8
Diethyl Ether
Concen: 18.213 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 74 Resp: 22185

Ion	Ratio	Lower	Upper
74	100		
45	98.2	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.560 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

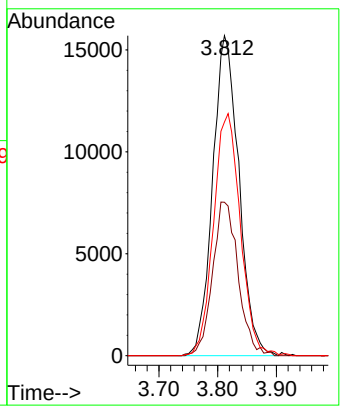
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

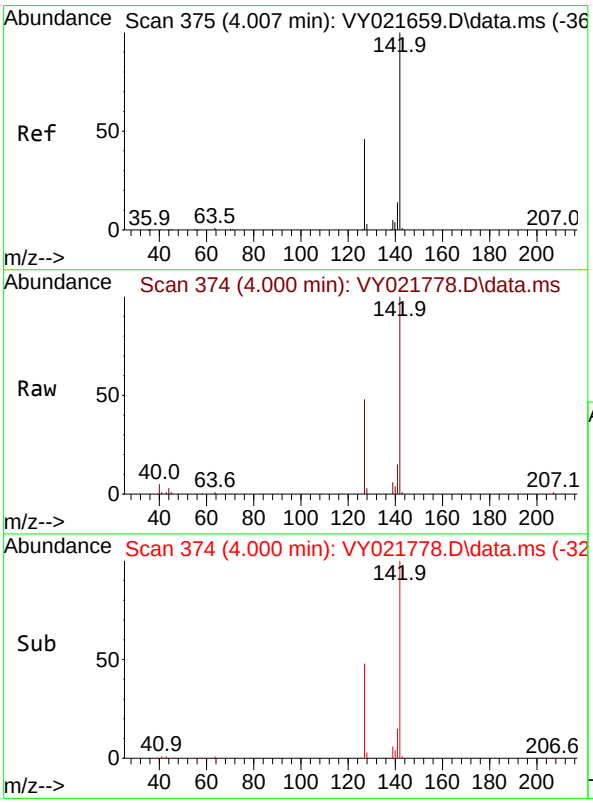
Tgt Ion:101 Resp: 4857

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.3	54.5
151	77.7	61.3	91.9

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

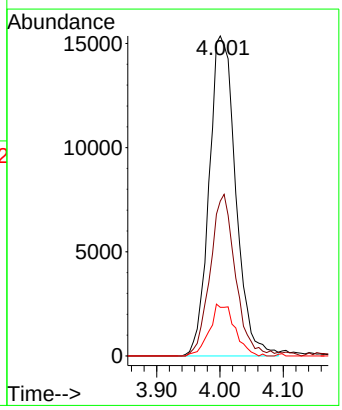


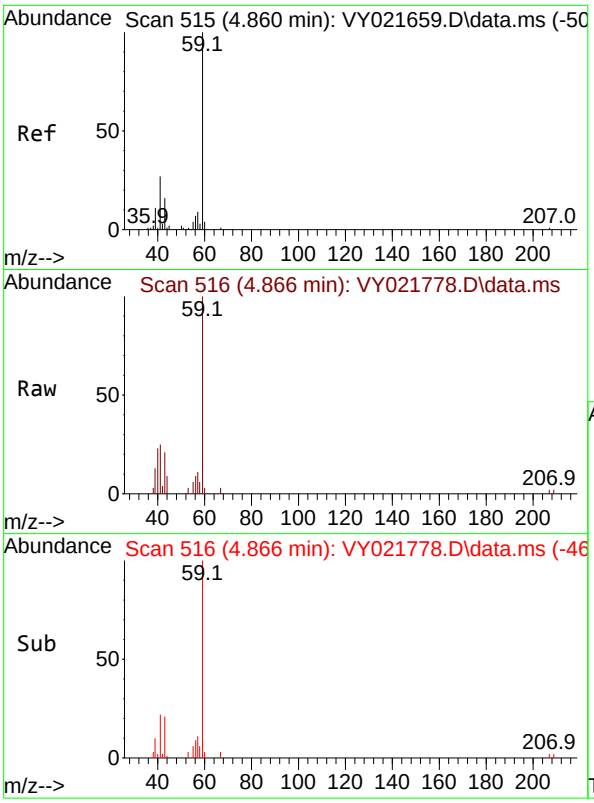


#10
Methyl Iodide
Concen: 17.285 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:142 Resp: 44798

Ion	Ratio	Lower	Upper
142	100		
127	48.1	38.7	58.1
141	15.4	11.5	17.3

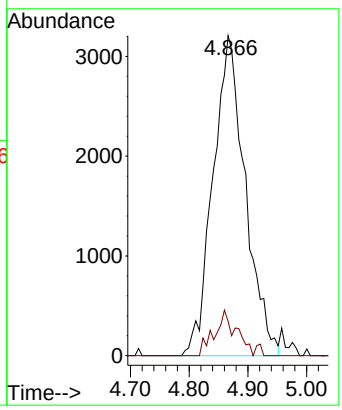




#11
Tert butyl alcohol
Concen: 82.013 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 59 Resp: 1224

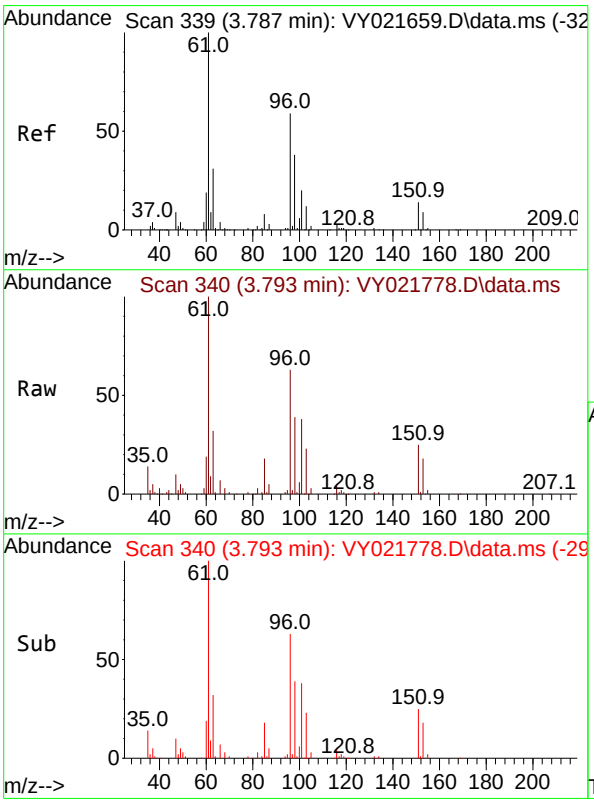
Ion	Ratio	Lower	Upper
59	100		
57	9.5	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
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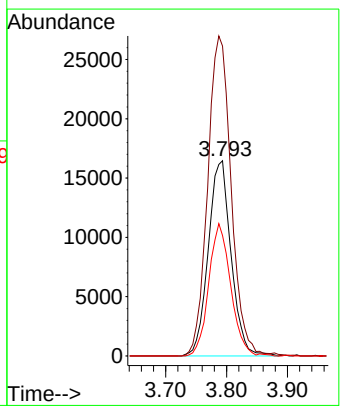
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

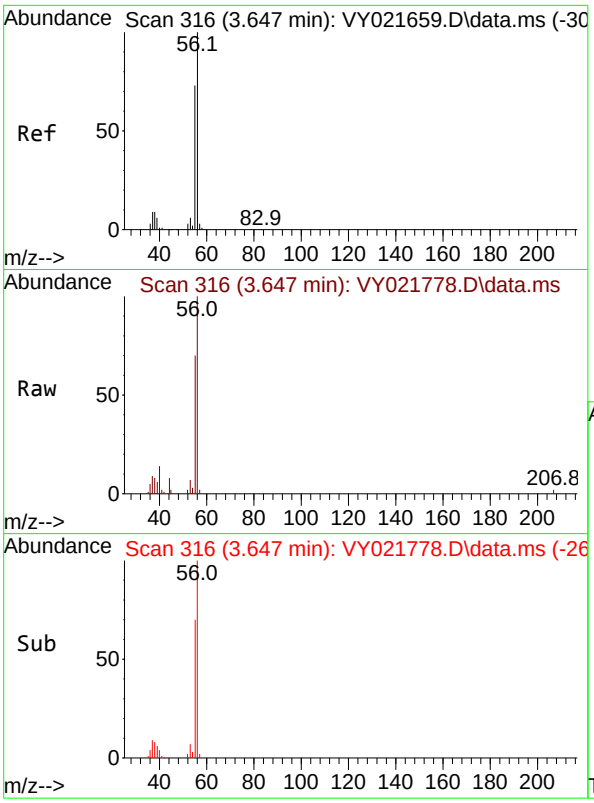


#12
1,1-Dichloroethene
Concen: 19.282 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 96 Resp: 42906

Ion	Ratio	Lower	Upper
96	100		
61	158.8	136.6	204.8
98	61.7	52.3	78.5

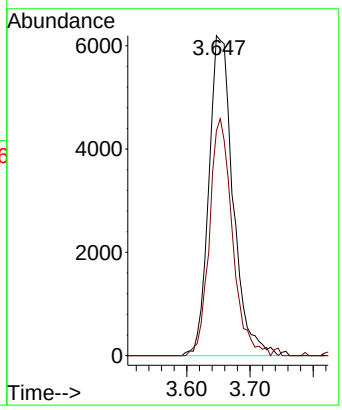




#13
Acrolein
Concen: 60.392 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 56 Resp: 1646

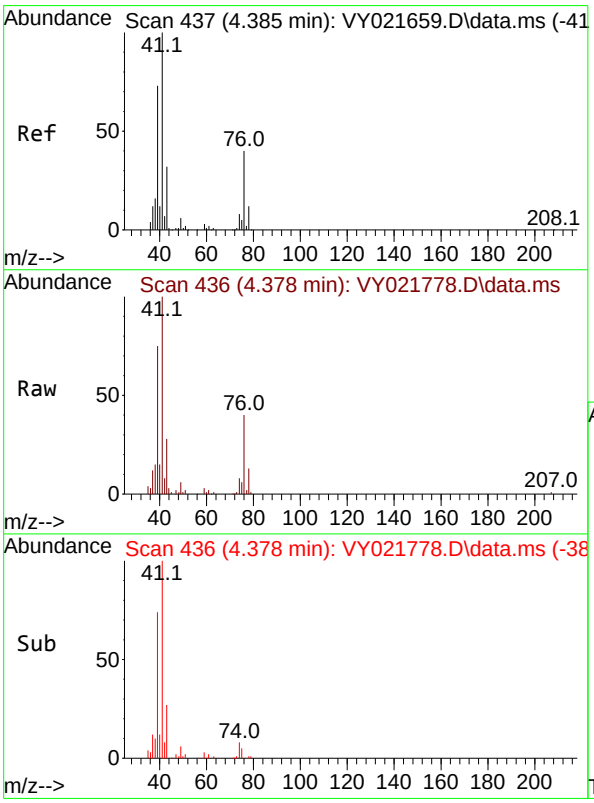
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

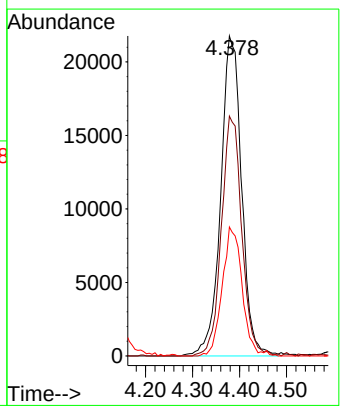
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

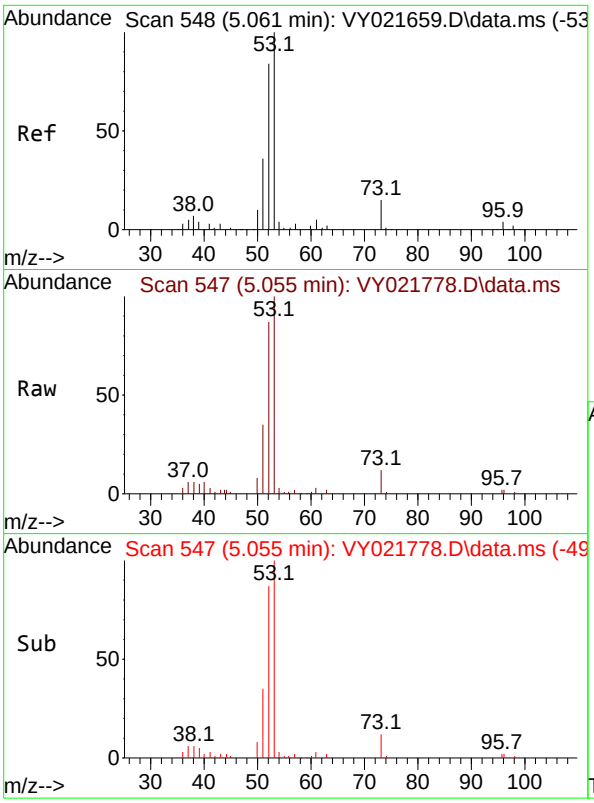


#14
Allyl chloride
Concen: 18.959 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 41 Resp: 67265

Ion	Ratio	Lower	Upper
41	100		
39	73.1	58.6	88.0
76	38.4	30.3	45.5





#15
Acrylonitrile
Concen: 89.186 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

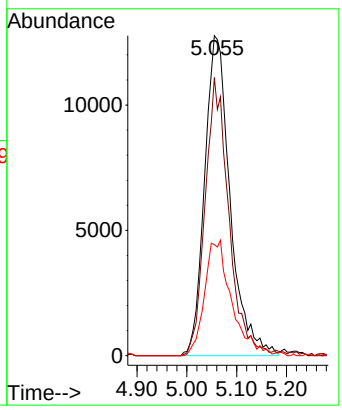
Tgt Ion: 53 Resp: 4536

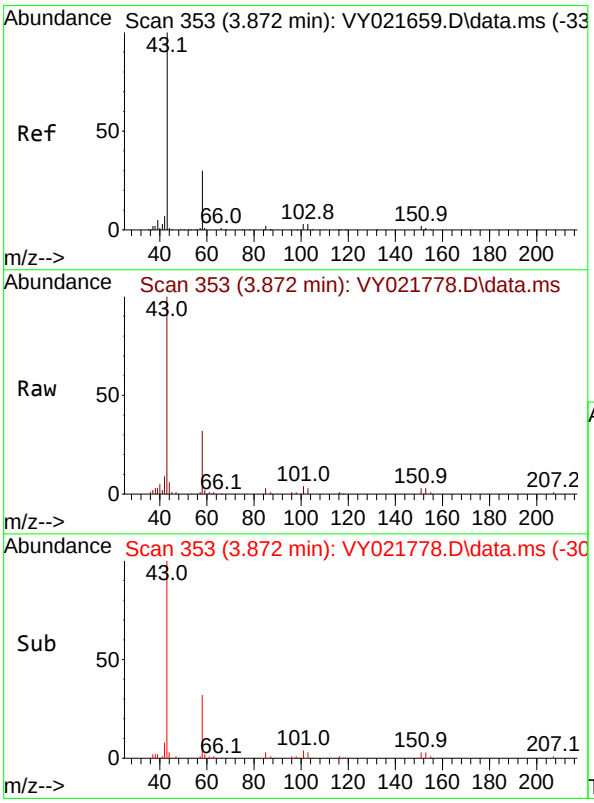
Ion	Ratio	Lower	Upper
53	100		
52	80.4	64.9	97.3
51	38.2	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

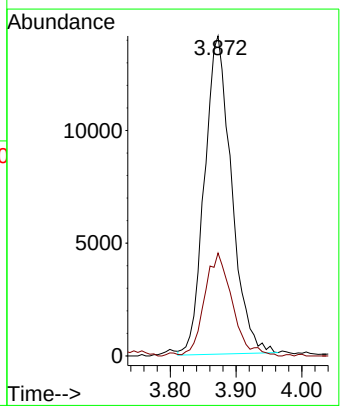


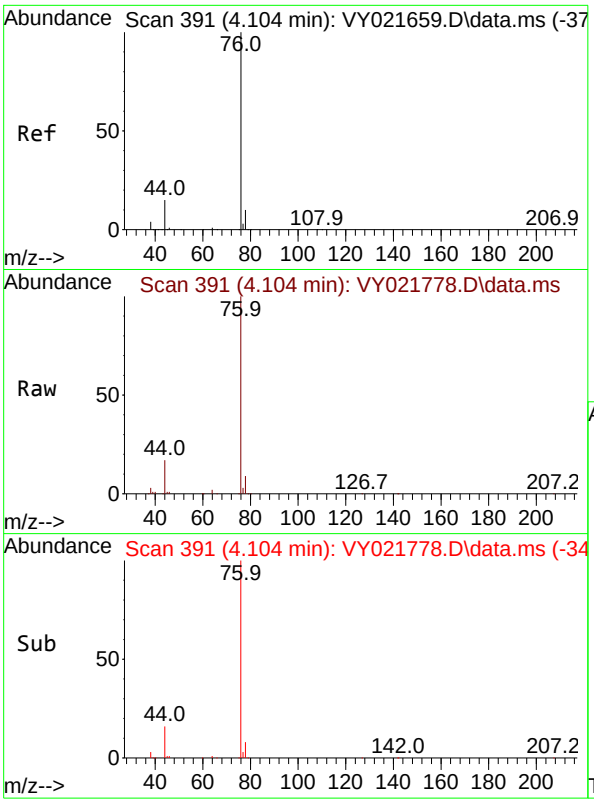


#16
Acetone
Concen: 85.648 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 40290

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.2	36.4

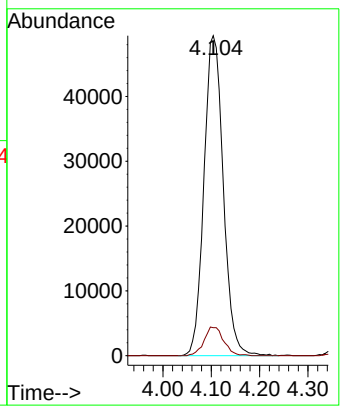




#17
Carbon Disulfide
Concen: 18.693 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 76 Resp: 13700

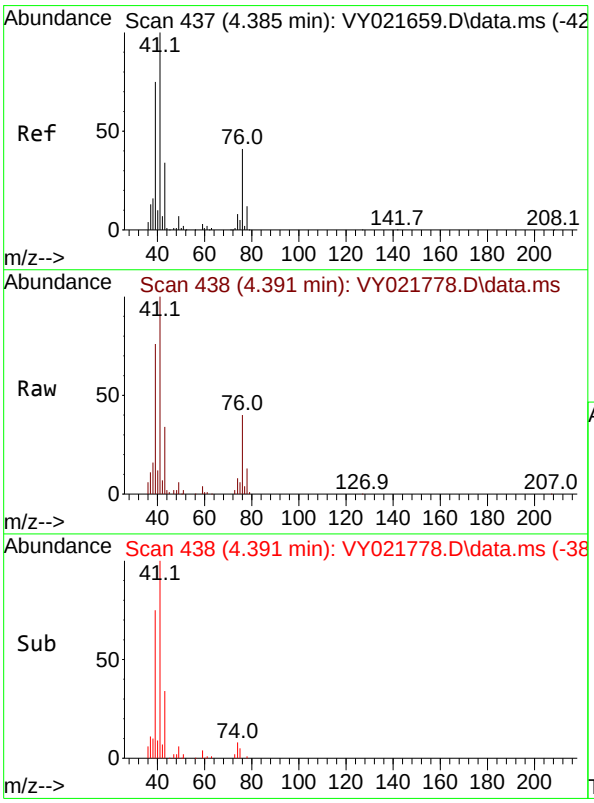
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

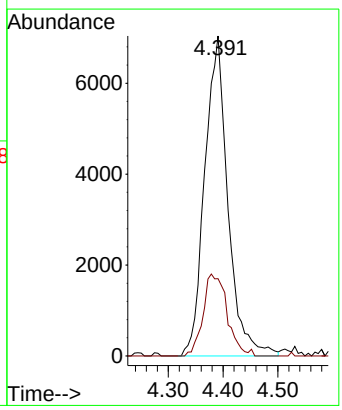
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

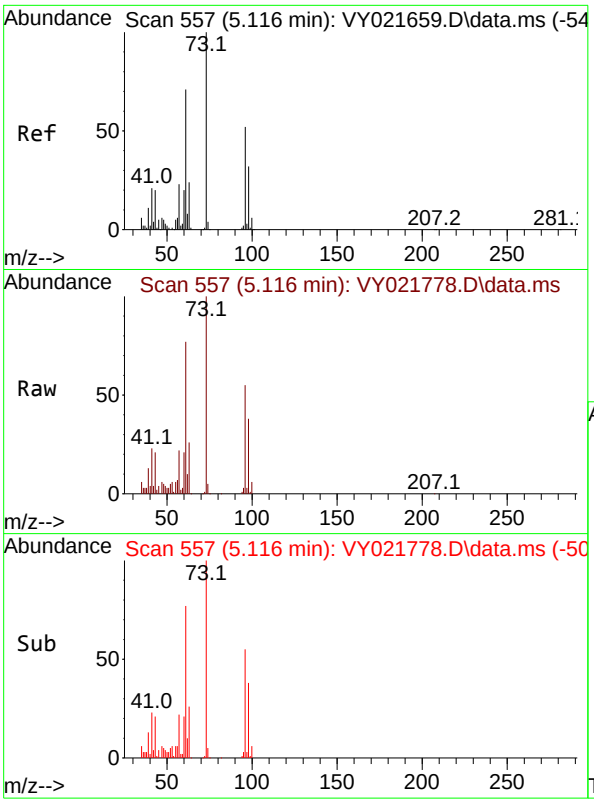


#18
Methyl Acetate
Concen: 17.734 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 20676

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.1	28.7

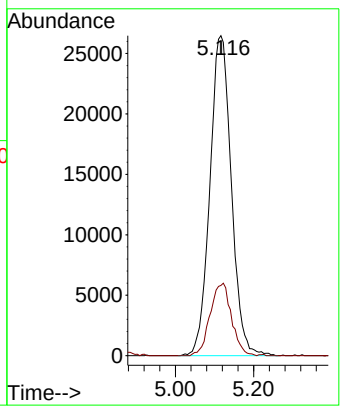




#19
Methyl tert-butyl Ether
Concen: 18.182 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 73 Resp: 10072

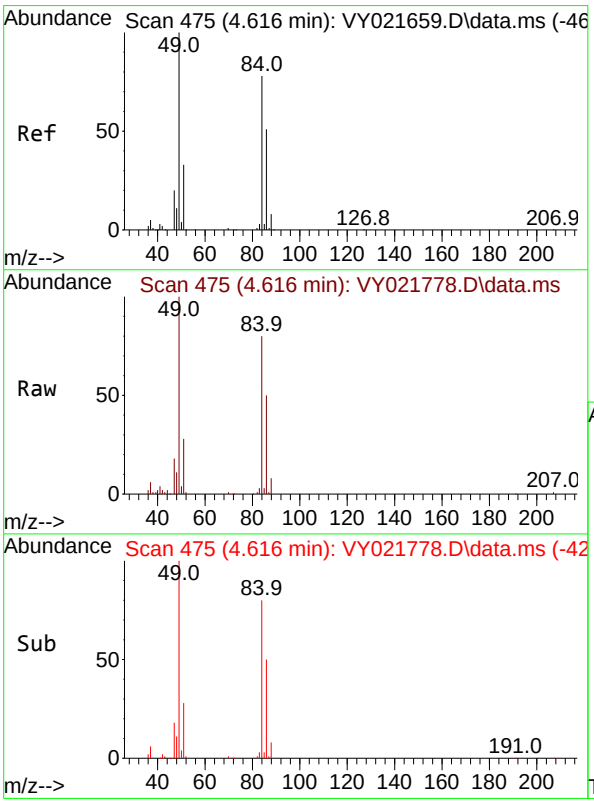
Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

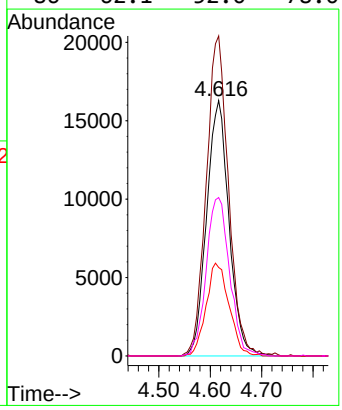
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

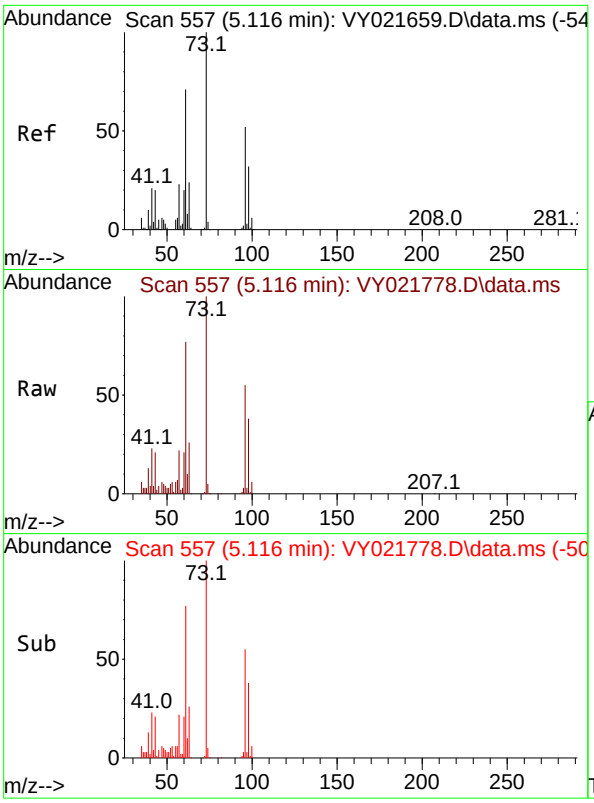


#20
Methylene Chloride
Concen: 19.022 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 84 Resp: 49303

Ion	Ratio	Lower	Upper
84	100		
49	125.3	102.8	154.2
51	34.7	33.5	50.3
86	62.1	52.0	78.0

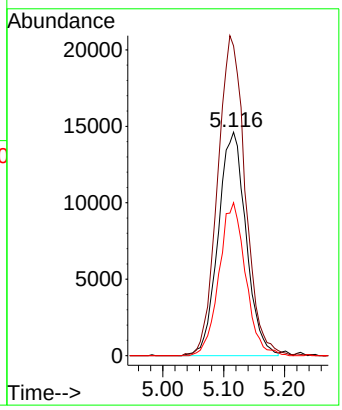




#21
trans-1,2-Dichloroethene
Concen: 18.963 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 96 Resp: 4646

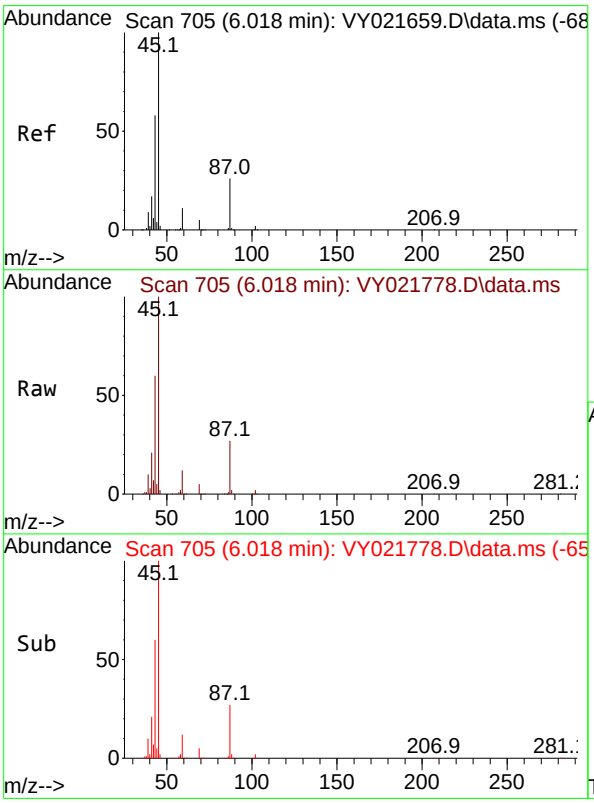
Ion	Ratio	Lower	Upper
96	100		
61	138.6	109.4	164.0
98	68.4	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

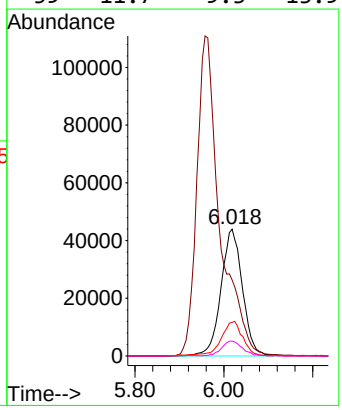
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

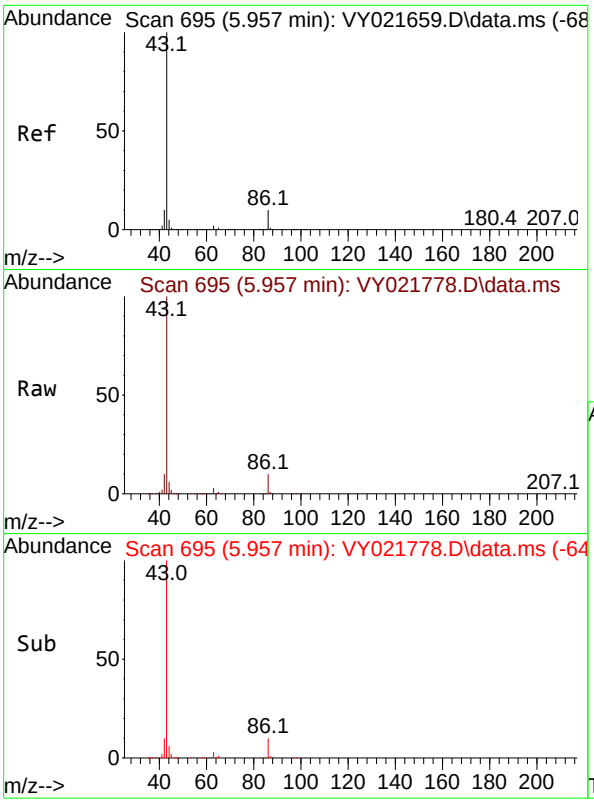


#22
Diisopropyl ether
Concen: 19.724 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 45 Resp: 146797

Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.6	69.8
87	26.3	20.7	31.1
59	11.7	9.3	13.9

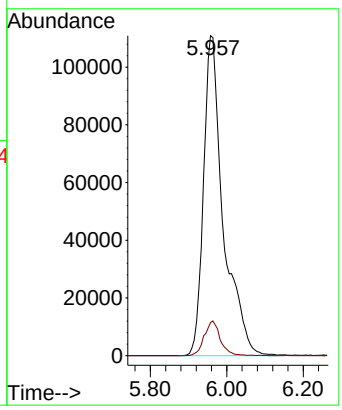




#23
Vinyl Acetate
Concen: 91.434 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 39809

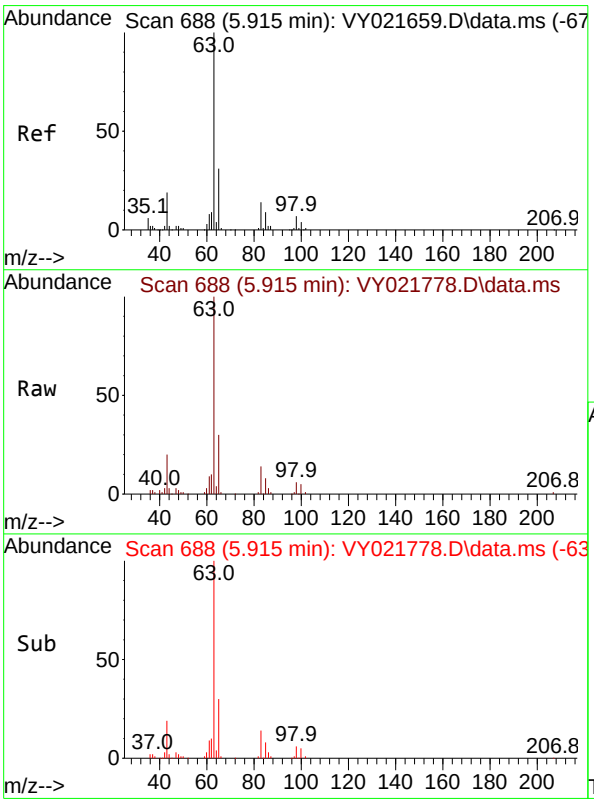
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

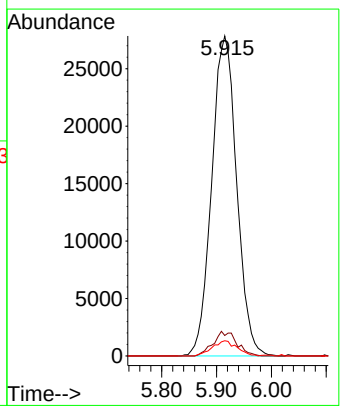
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

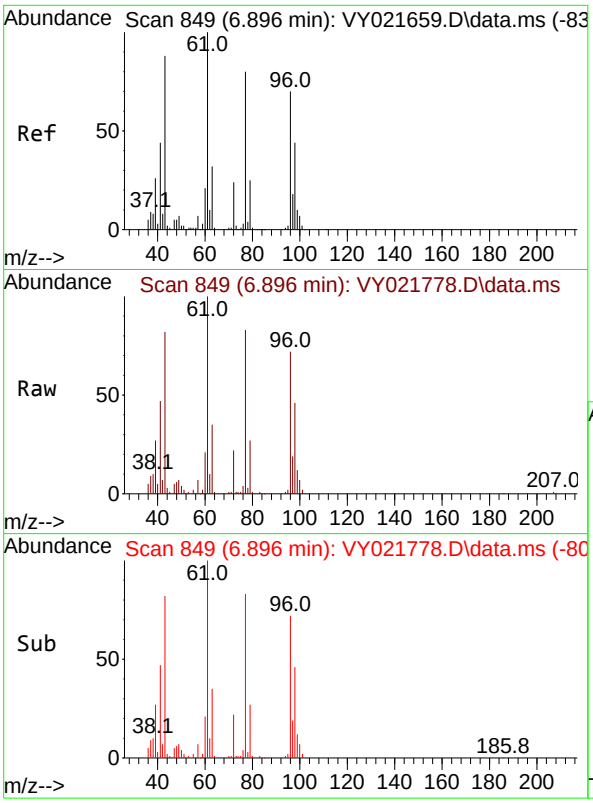


#24
1,1-Dichloroethane
Concen: 19.810 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 63 Resp: 88158

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.7	2.2	6.6





#25
2-Butanone
Concen: 86.838 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

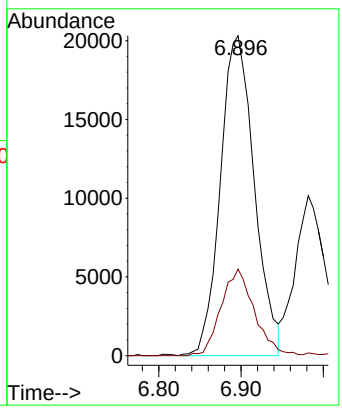
Tgt Ion: 43 Resp: 5834

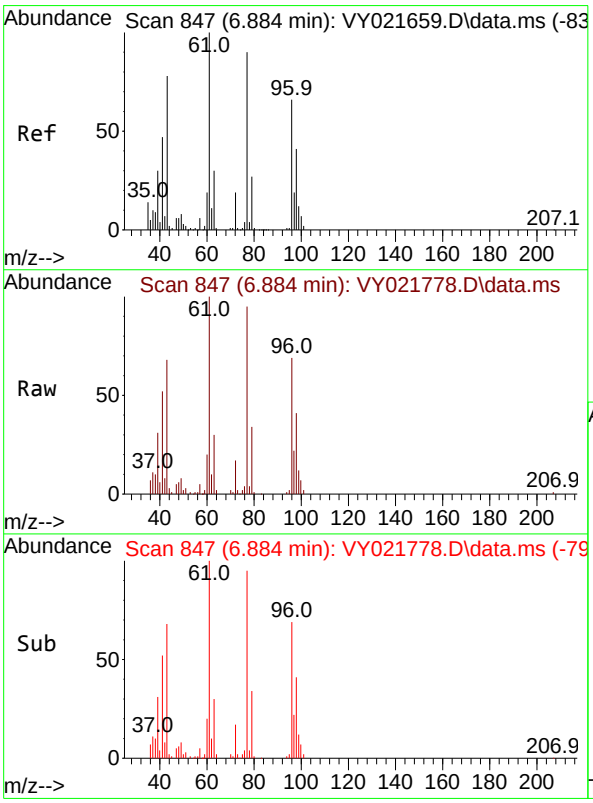
Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

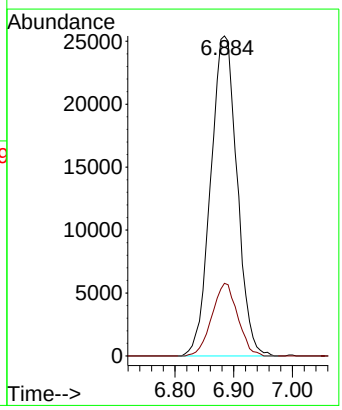


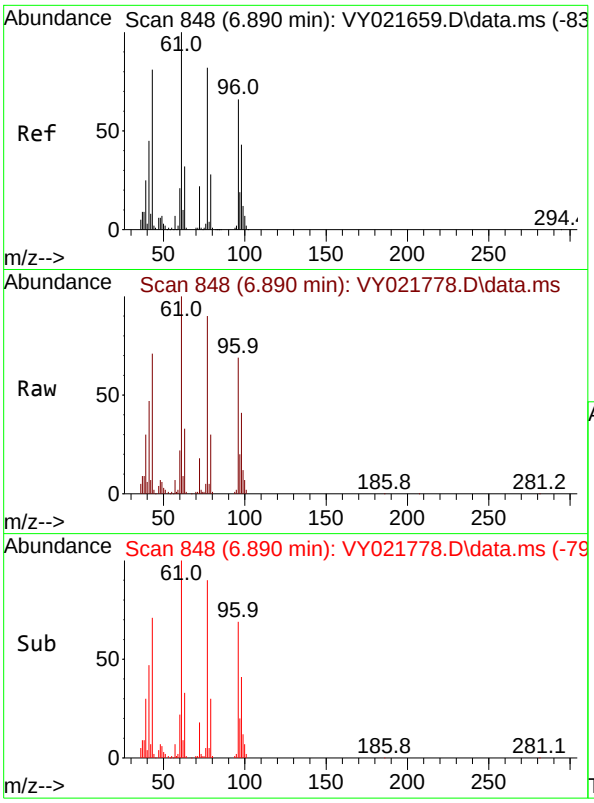


#26
2,2-Dichloropropane
Concen: 20.027 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 77 Resp: 79277

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.1

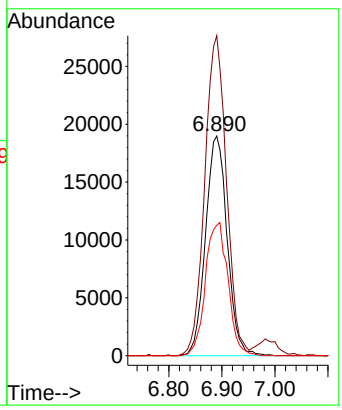




#27
cis-1,2-Dichloroethene
Concen: 19.543 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 96 Resp: 5384

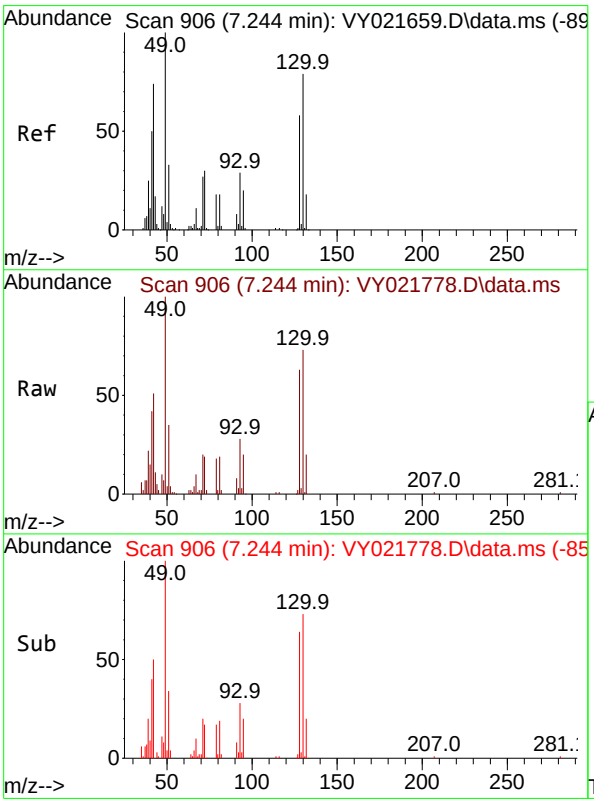
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	296.4
98	63.1	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

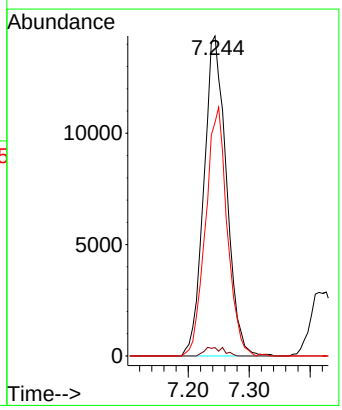
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

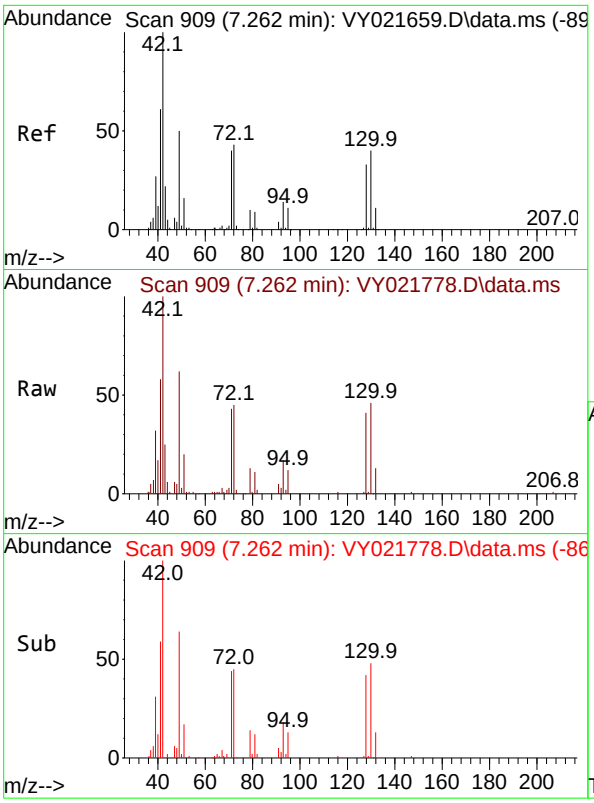


#28
Bromochloromethane
Concen: 19.673 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 49 Resp: 36923

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	74.5	60.1	90.1





#29
Tetrahydrofuran
Concen: 86.232 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

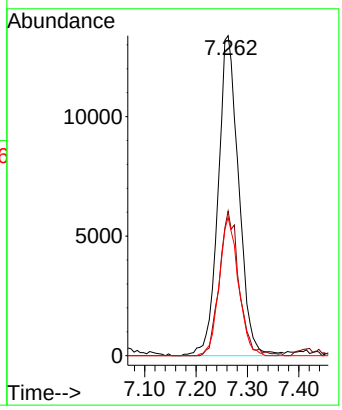
Tgt Ion: 42 Resp: 3728

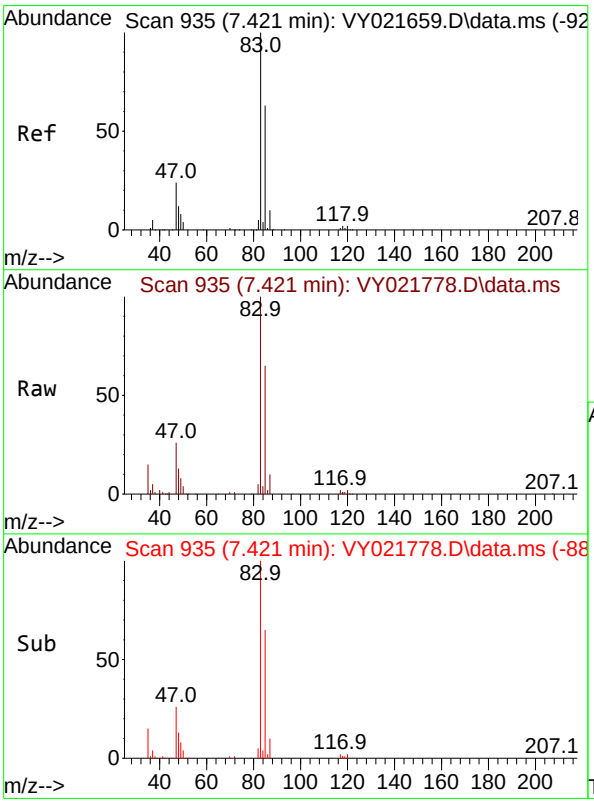
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.6	52.0
71	40.2	32.5	48.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

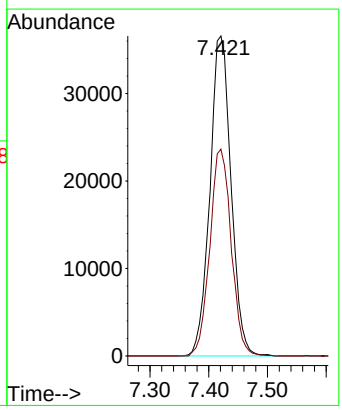


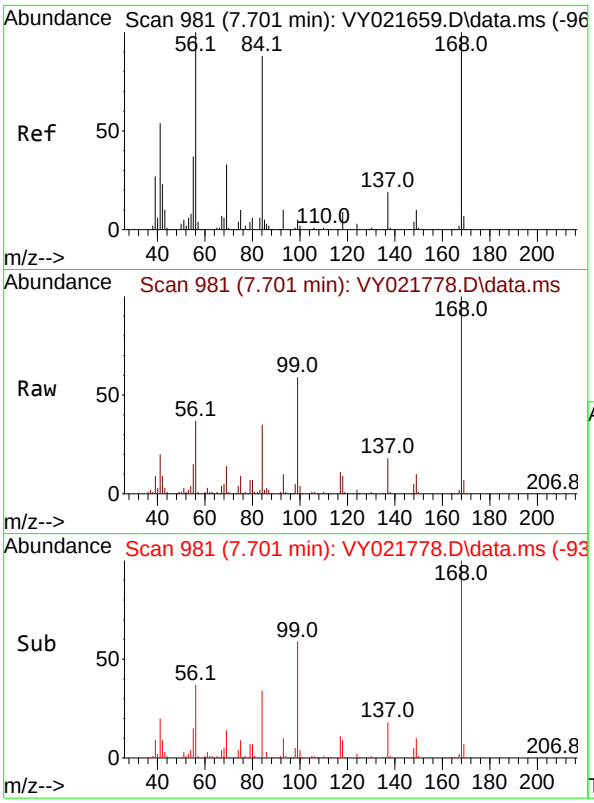


#30
Chloroform
Concen: 19.742 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 83 Resp: 91381

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8

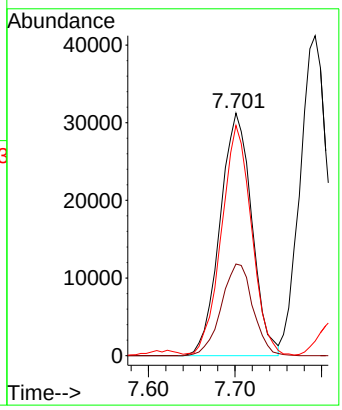




#31
Cyclohexane
Concen: 19.648 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 56 Resp: 7970

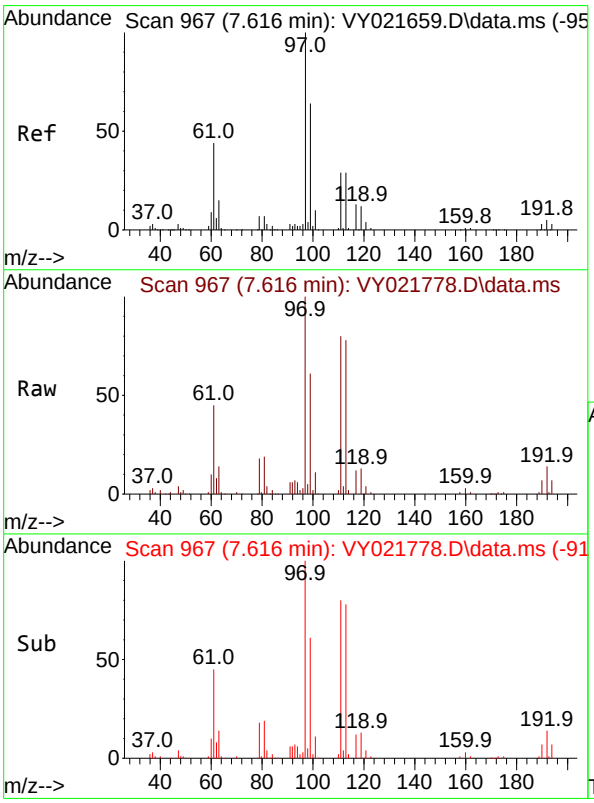
Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.6	40.0
84	93.6	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

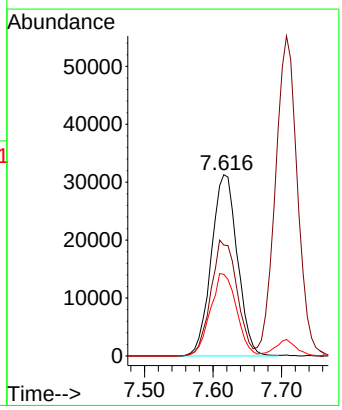
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

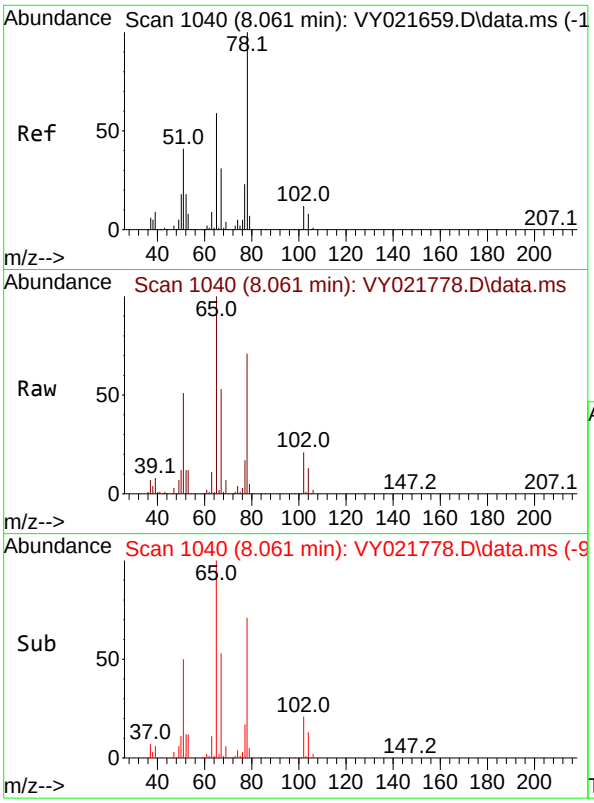


#32
1,1,1-Trichloroethane
Concen: 19.763 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 97 Resp: 82677

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.7	76.1
61	45.6	35.2	52.8

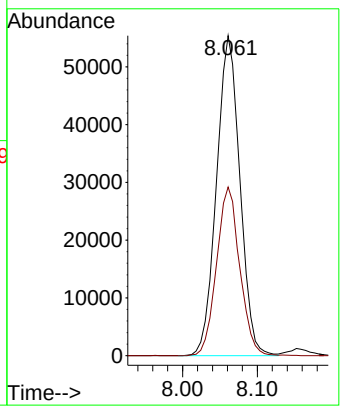




#33
1,2-Dichloroethane-d4
Concen: 52.418 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 65 Resp: 12048

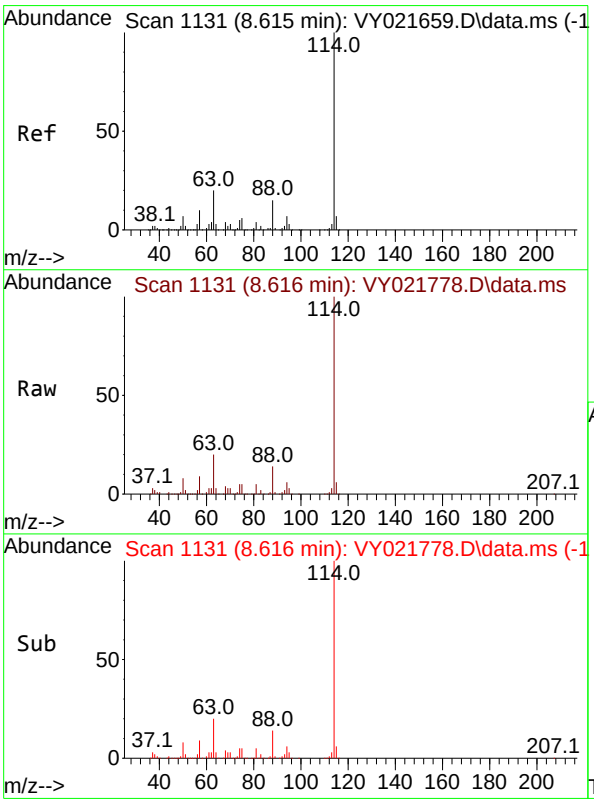
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

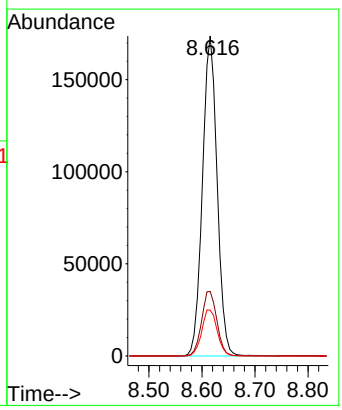
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

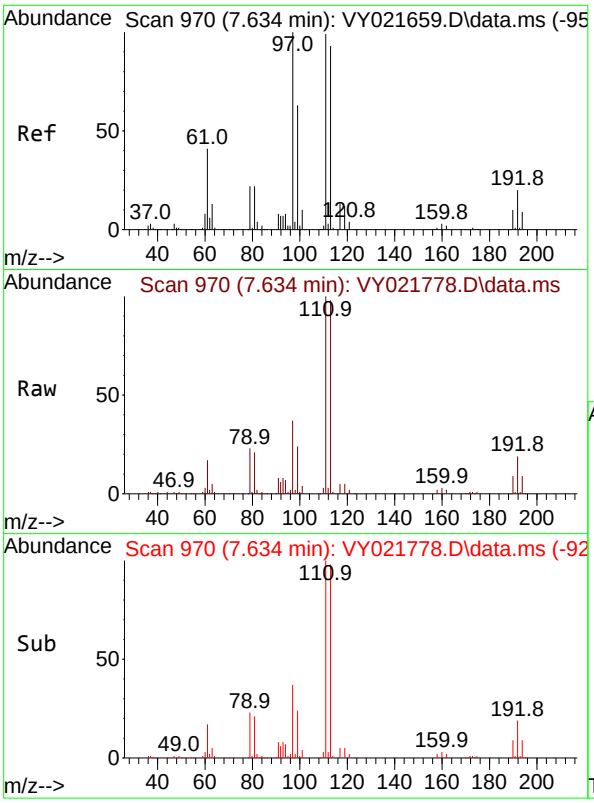


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:114 Resp: 333501

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.2
88	14.3	0.0	29.8

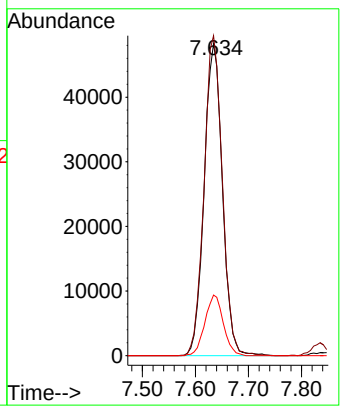




#35
Dibromofluoromethane
Concen: 53.318 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:113 Resp: 11534

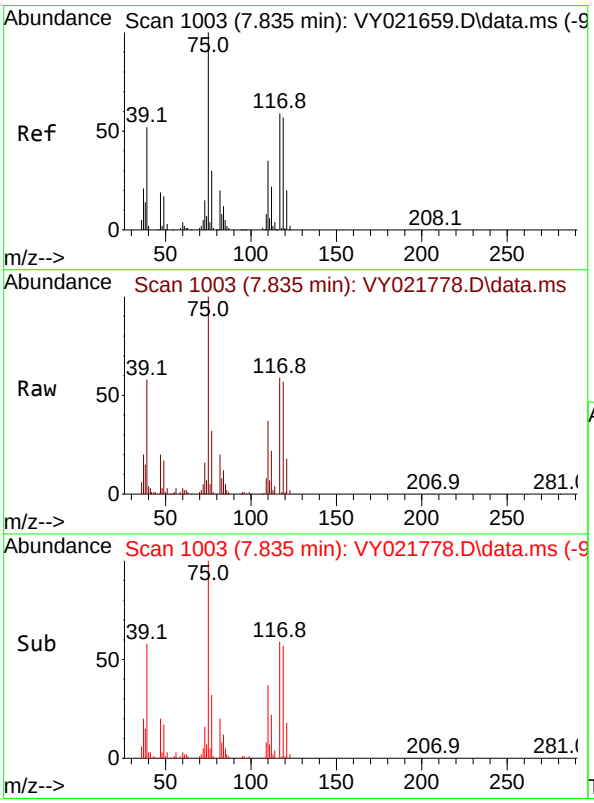
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	19.6	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

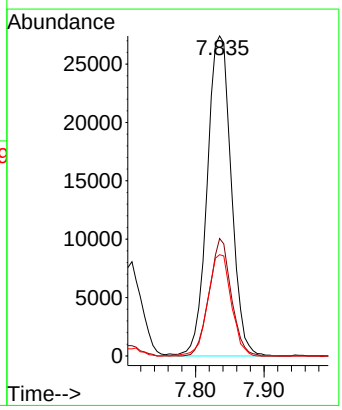
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

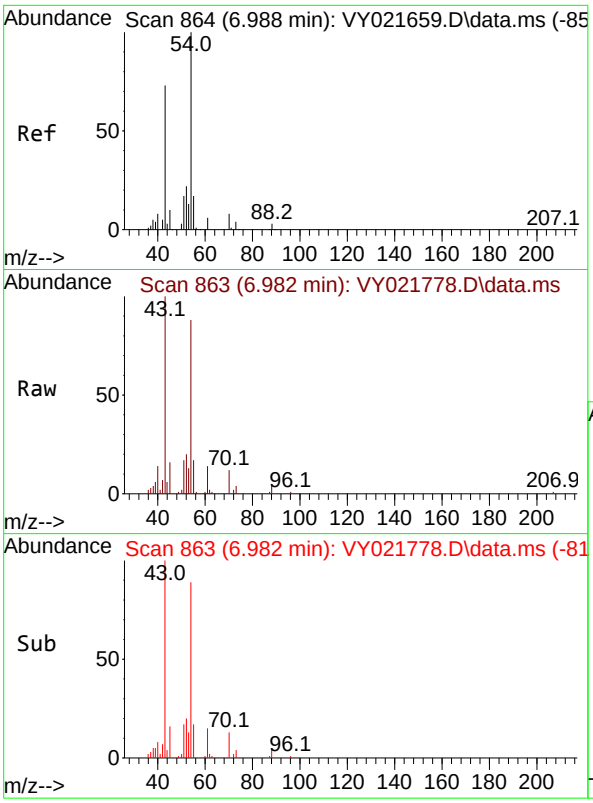


#36
1,1-Dichloropropene
Concen: 20.193 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 66538

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.0	50.9
77	31.1	24.8	37.2





#37
Ethyl Acetate
Concen: 17.489 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

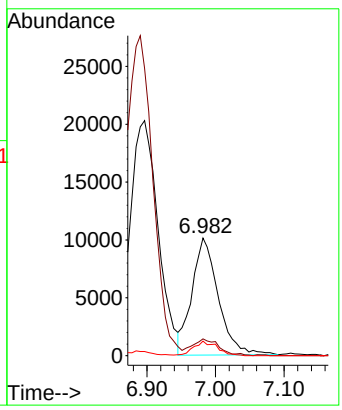
Tgt Ion: 43 Resp: 2719

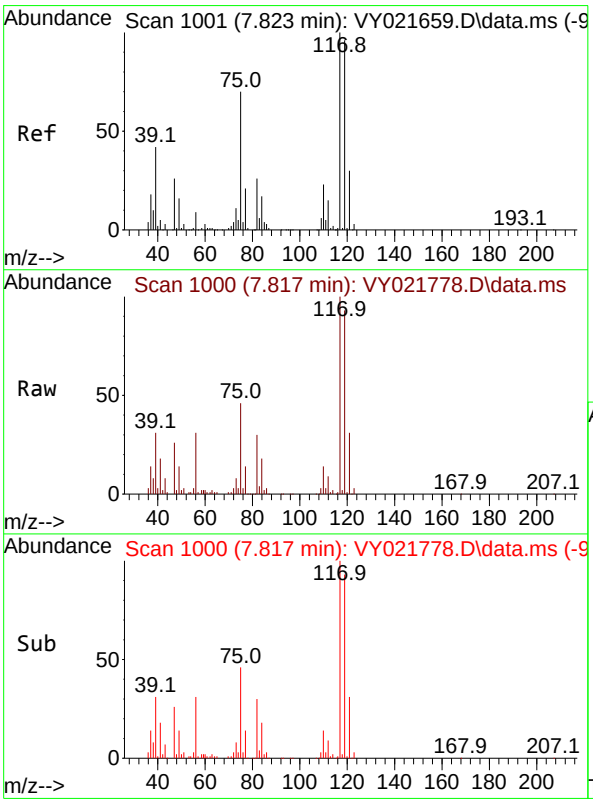
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	11.0	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

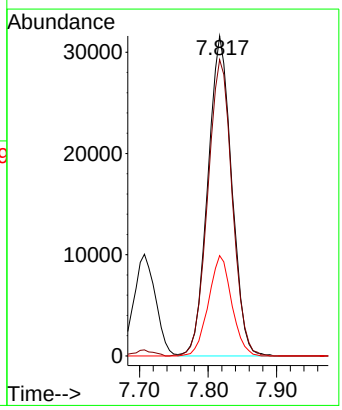


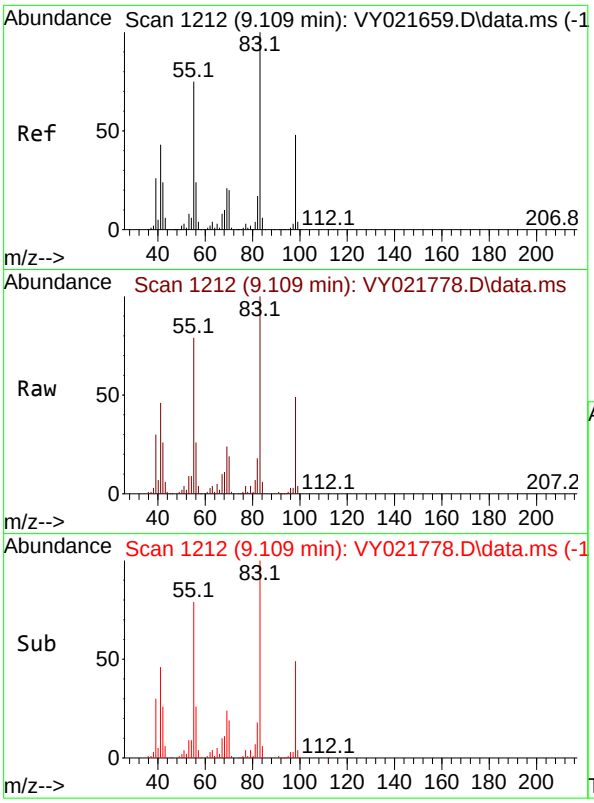


#38
Carbon Tetrachloride
Concen: 20.272 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:117 Resp: 76509

Ion	Ratio	Lower	Upper
117	100		
119	92.6	76.2	114.4
121	31.4	24.2	36.4





#39
Methylcyclohexane
Concen: 19.412 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

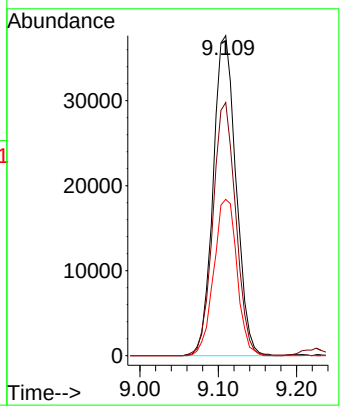
Tgt Ion: 83 Resp: 7641

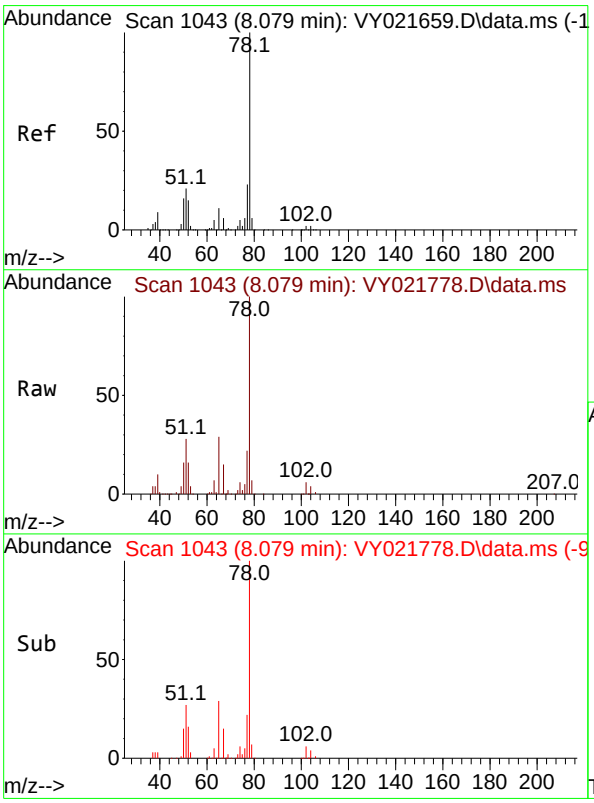
Ion	Ratio	Lower	Upper
83	100		
55	79.1	59.7	89.5
98	48.9	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

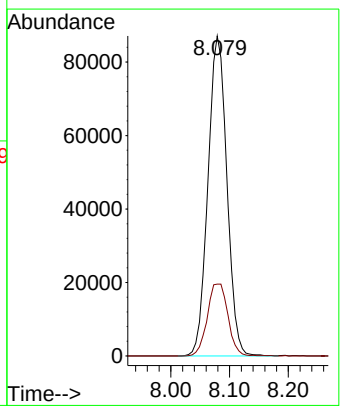


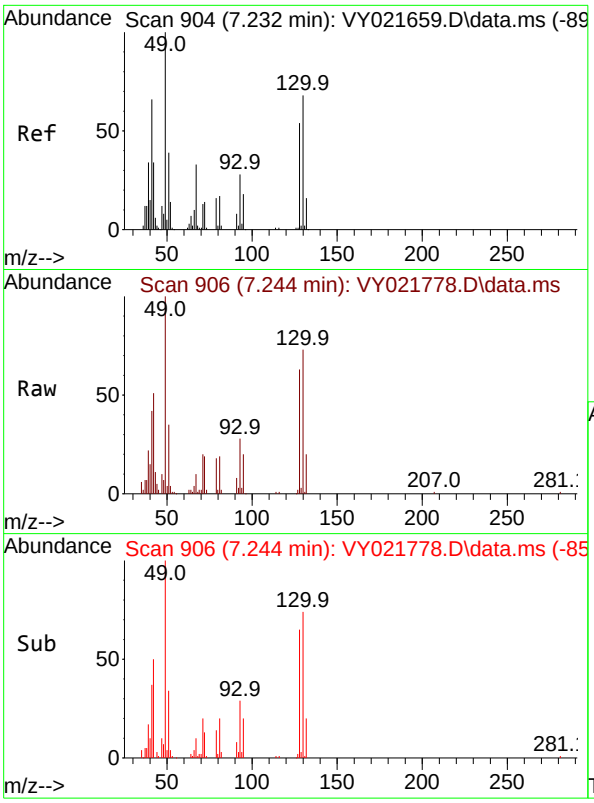


#40
Benzene
Concen: 19.772 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 78 Resp: 195115

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2

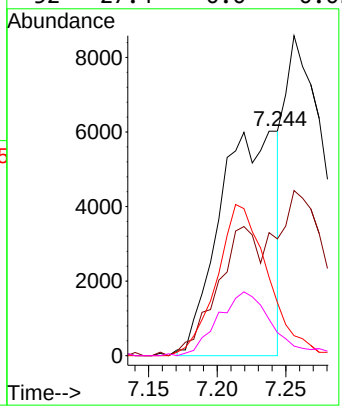




#41
Methacrylonitrile
Concen: 21.473 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 41 Resp: 1773

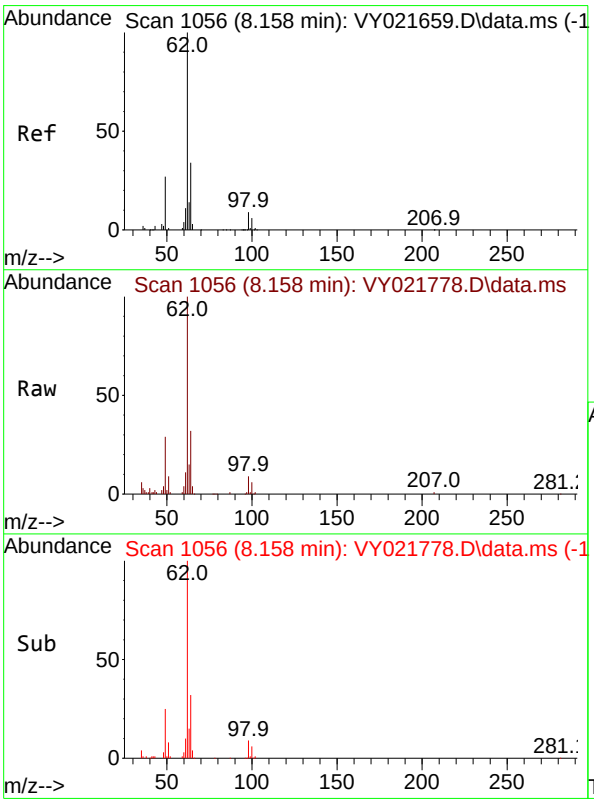
Ion	Ratio	Lower	Upper
41	100		
39	41.7	0.0	0.0#
67	59.4	0.0	0.0#
52	27.4	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

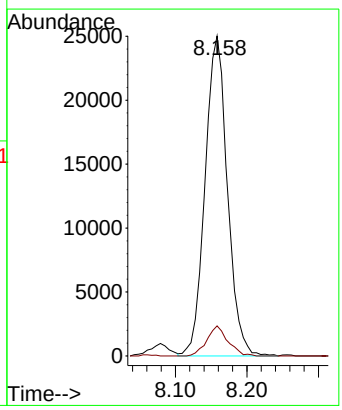
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

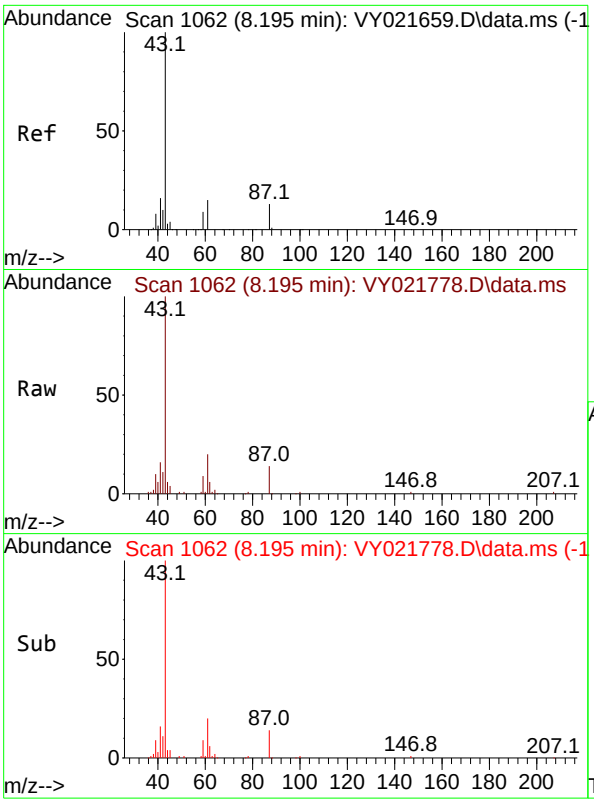


#42
1,2-Dichloroethane
Concen: 19.524 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 62 Resp: 54315

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





#43
Isopropyl Acetate
Concen: 17.697 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

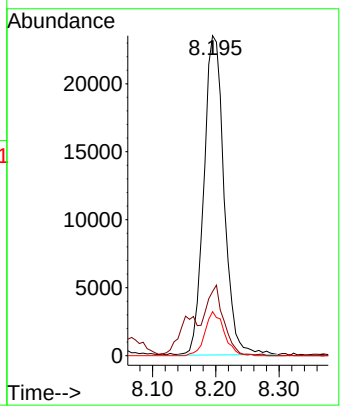
Tgt Ion: 43 Resp: 5215

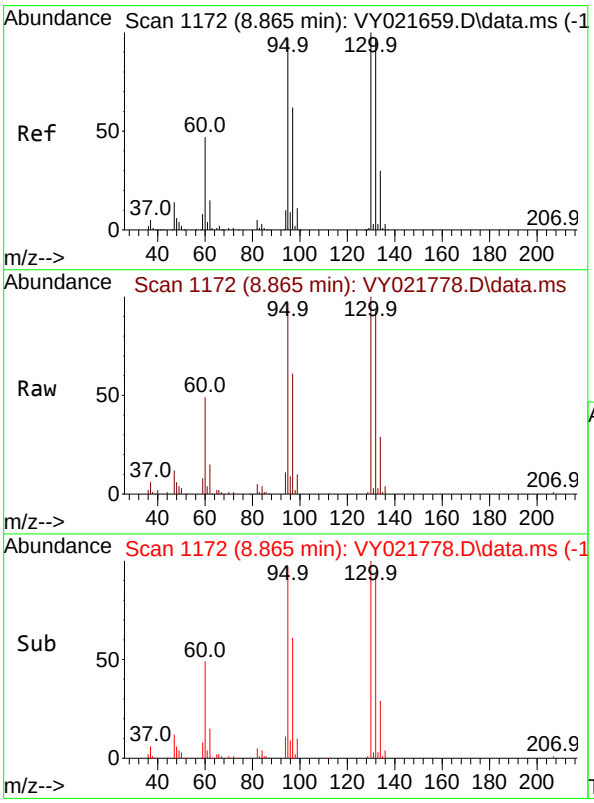
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.9	23.9
87	13.2	10.4	15.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

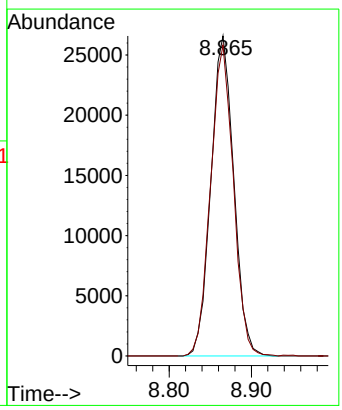


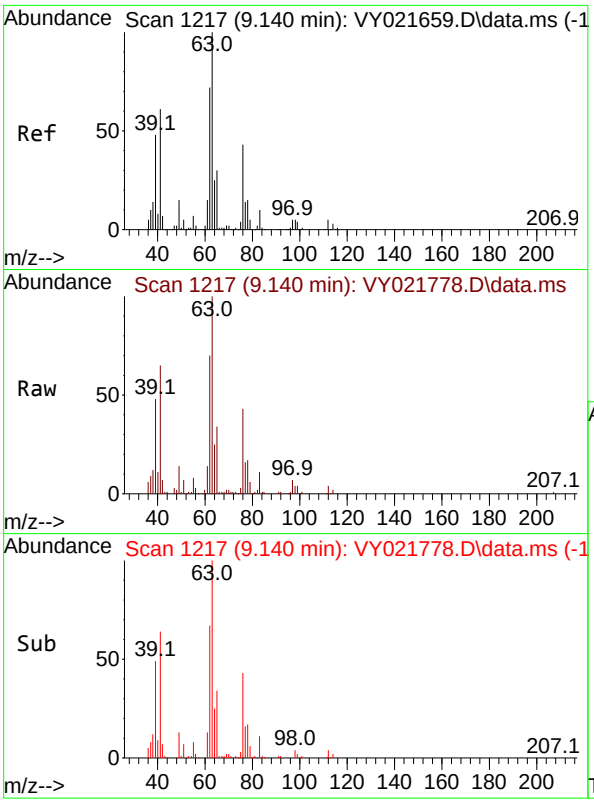


#44
Trichloroethene
Concen: 20.398 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:130 Resp: 51288

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.8

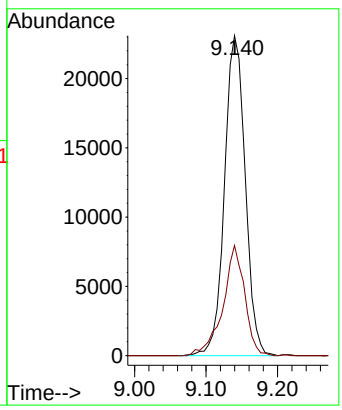




#45
1,2-Dichloropropane
Concen: 19.929 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 63 Resp: 4655

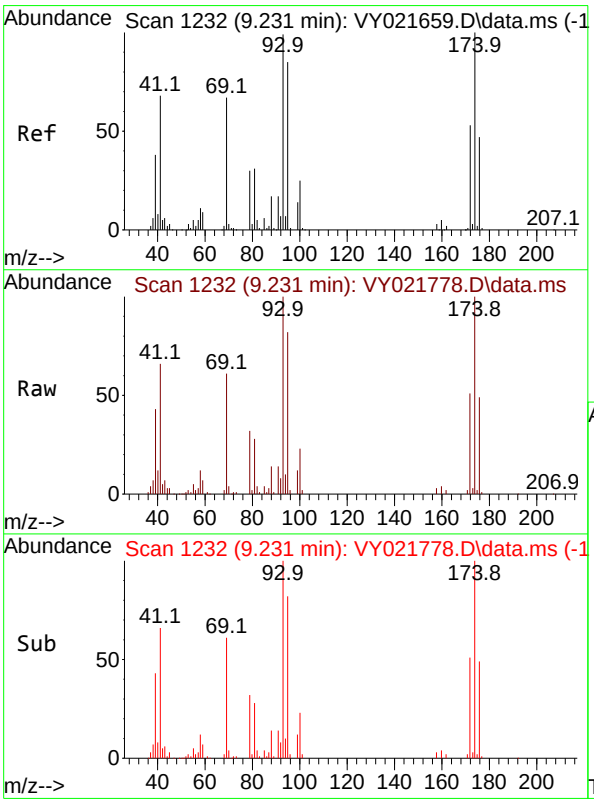
Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

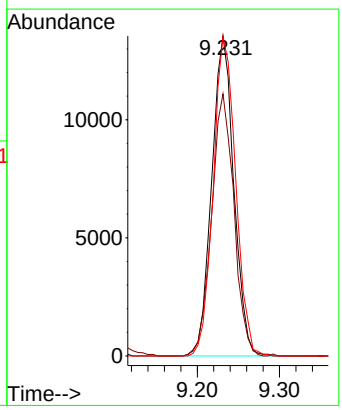
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

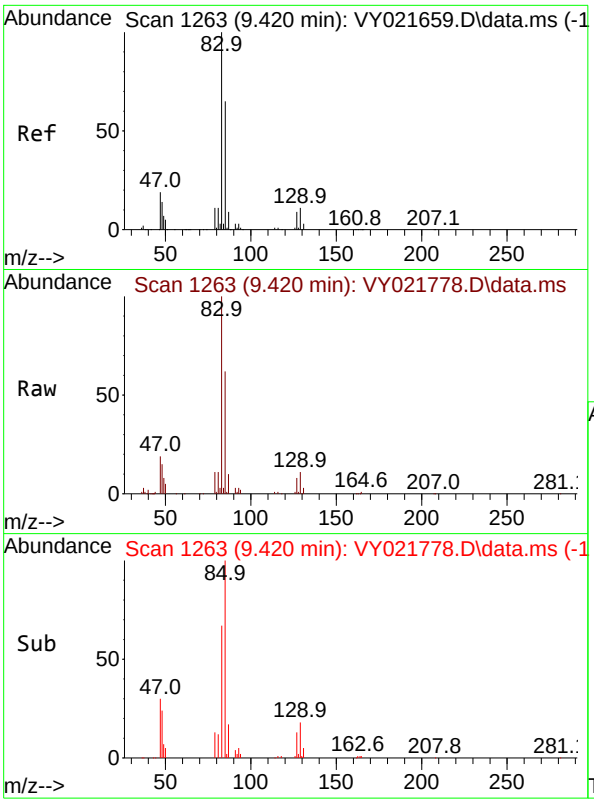


#46
Dibromomethane
Concen: 18.755 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 93 Resp: 25248

Ion	Ratio	Lower	Upper
93	100		
95	82.9	68.1	102.1
174	101.4	80.9	121.3

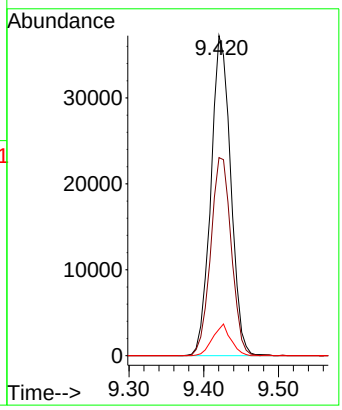




#47
Bromodichloromethane
Concen: 19.726 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 83 Resp: 6880

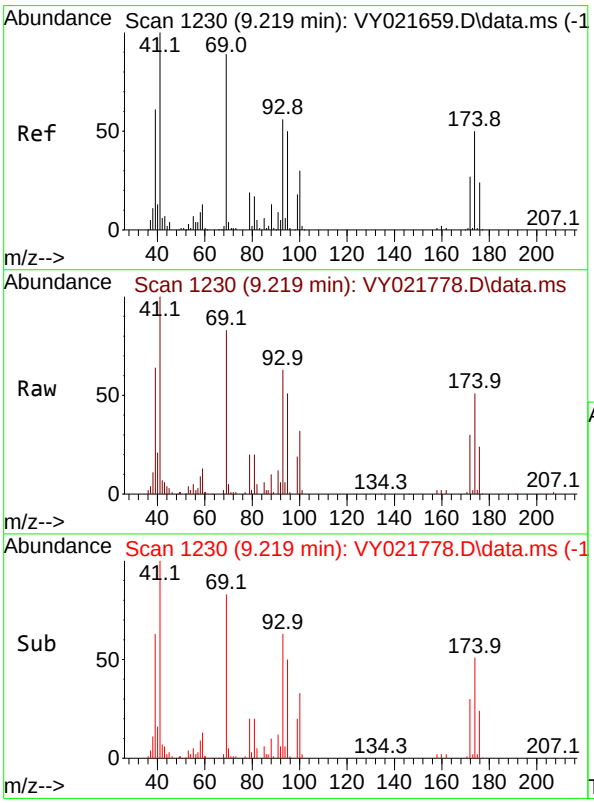
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	8.3	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

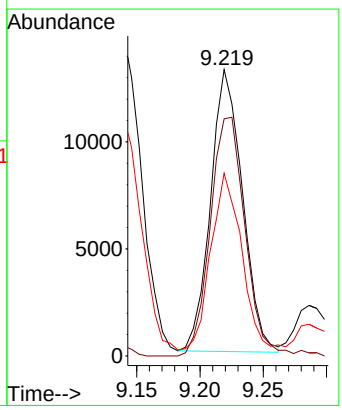
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

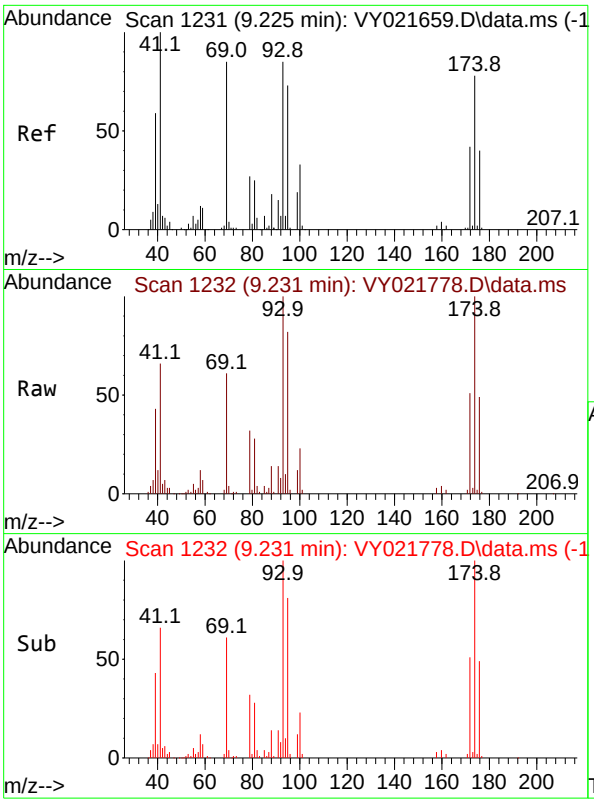


#48
Methyl methacrylate
Concen: 17.089 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 41 Resp: 23114

Ion	Ratio	Lower	Upper
41	100		
69	91.9	69.8	104.8
39	61.7	47.2	70.8





#49
1,4-Dioxane
Concen: 336.031 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

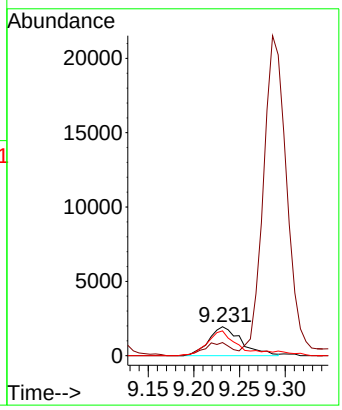
Tgt Ion: 88 Resp: 484

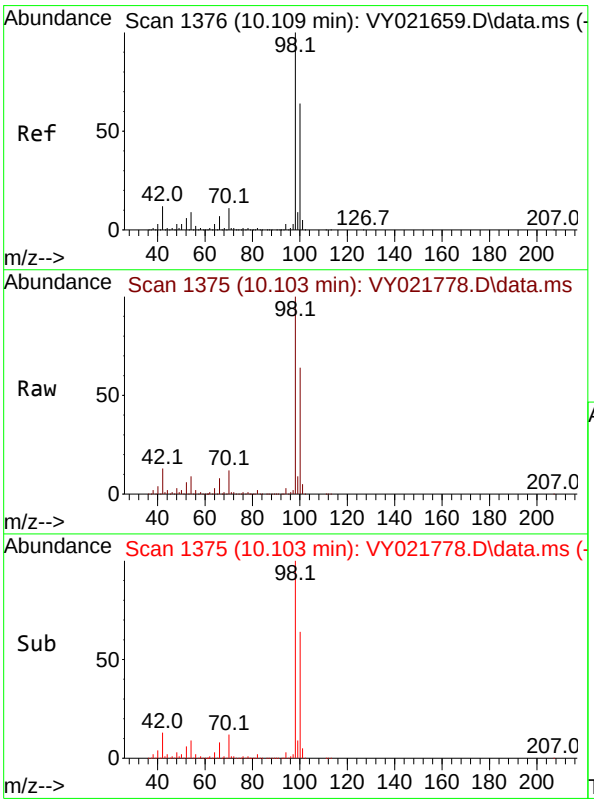
Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.8	43.2
58	88.6	59.4	89.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

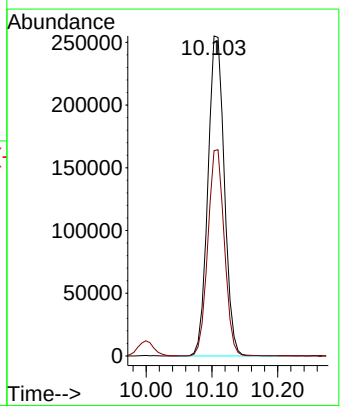


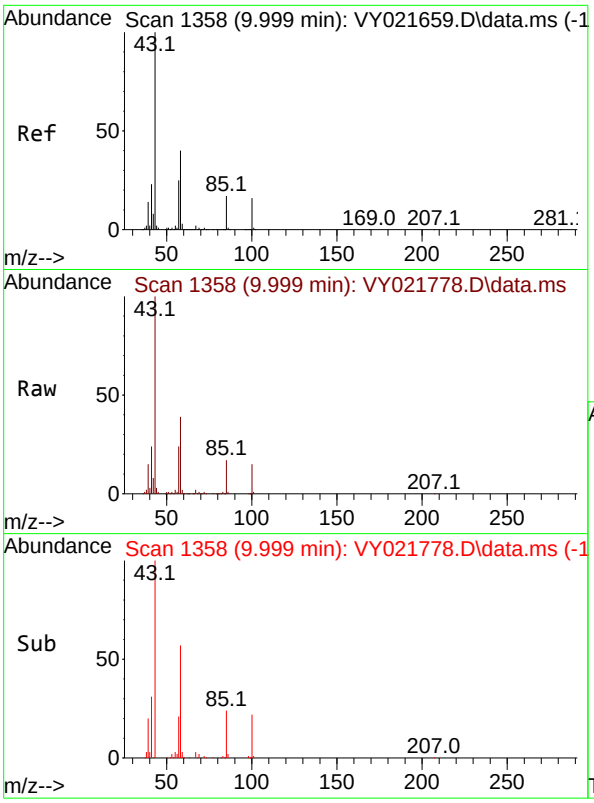


#50
Toluene-d8
Concen: 53.826 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 98 Resp: 442990

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

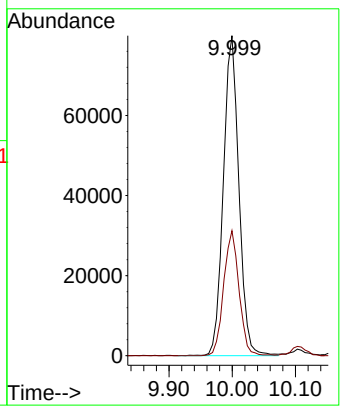




#51
4-Methyl-2-Pentanone
Concen: 88.669 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 13598

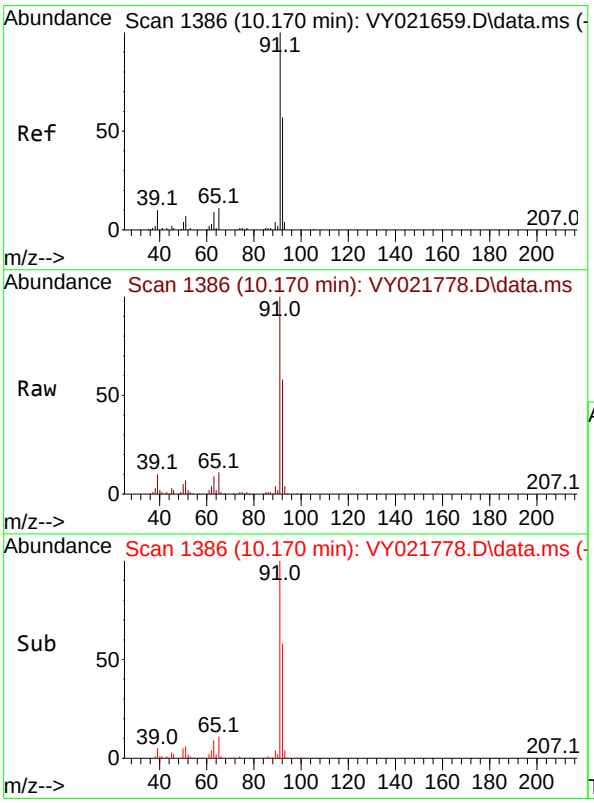
Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
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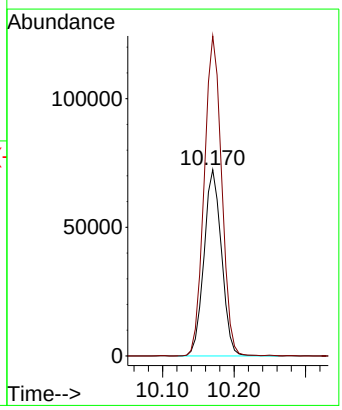
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

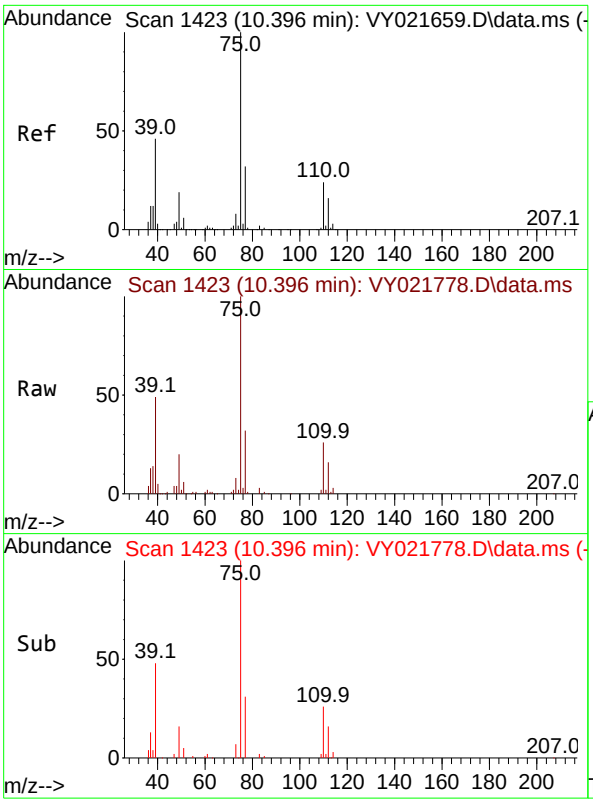


#52
Toluene
Concen: 19.987 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 92 Resp: 123058

Ion	Ratio	Lower	Upper
92	100		
91	171.0	138.6	207.8

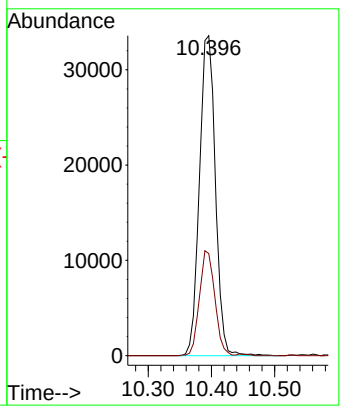




#53
t-1,3-Dichloropropene
Concen: 19.048 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 5901

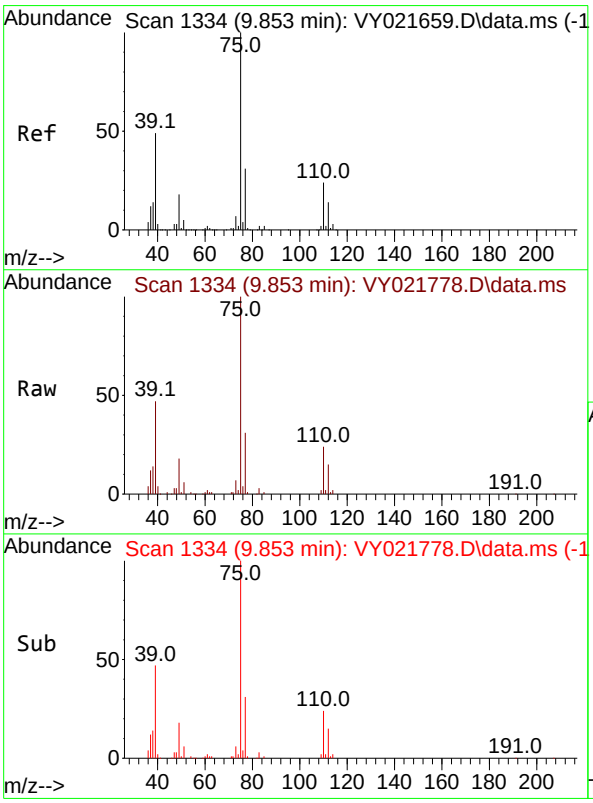
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

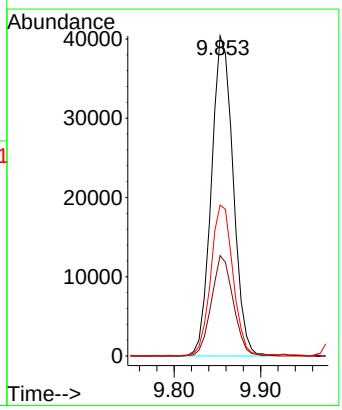
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

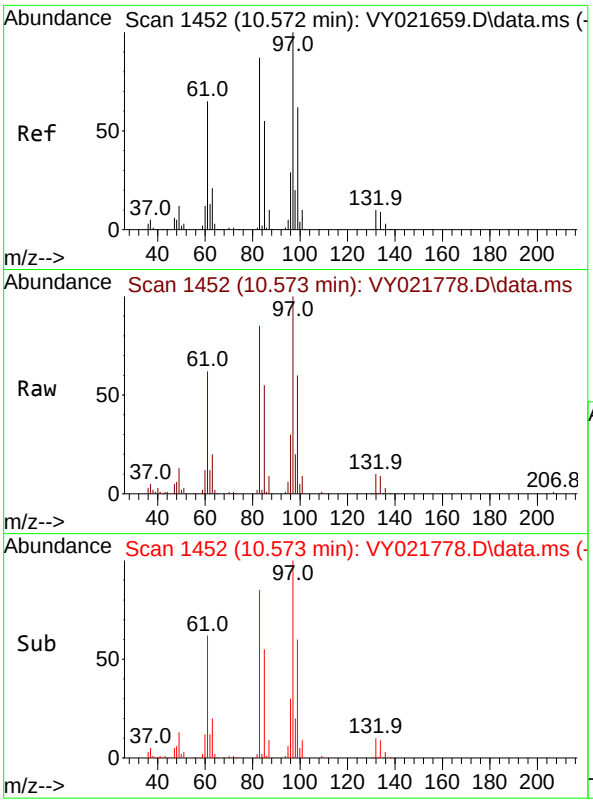


#54
cis-1,3-Dichloropropene
Concen: 19.257 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 70388

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3
39	47.2	39.2	58.8

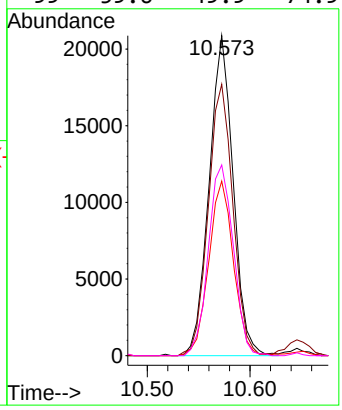




#55
1,1,2-Trichloroethane
Concen: 19.599 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 97 Resp: 3395

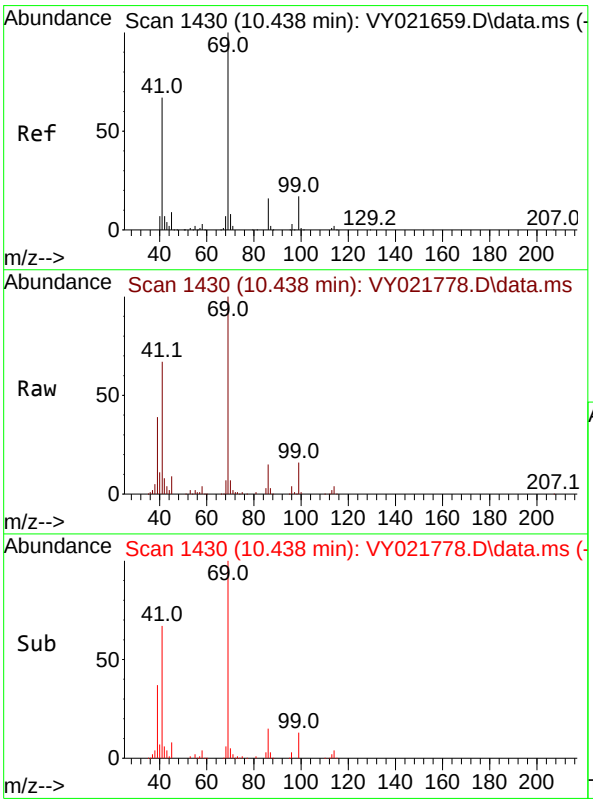
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.5	104.3
85	54.6	43.9	65.9
99	59.6	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

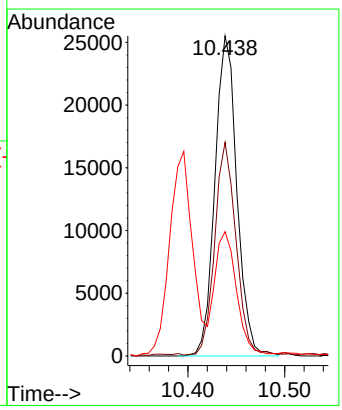
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

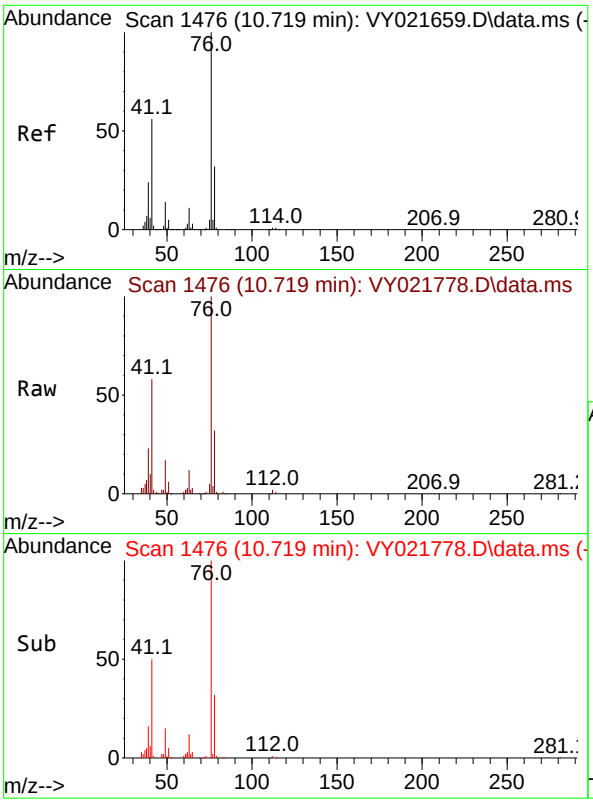


#56
Ethyl methacrylate
Concen: 18.189 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 69 Resp: 40236

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.8	80.6
39	36.8	29.6	44.4

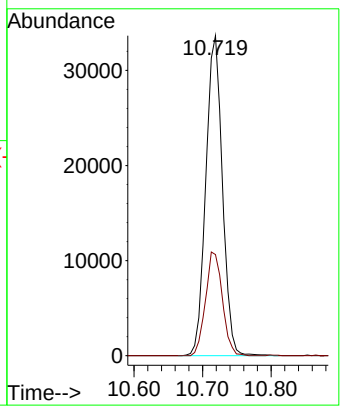




#57
1,3-Dichloropropane
Concen: 18.940 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 76 Resp: 5666

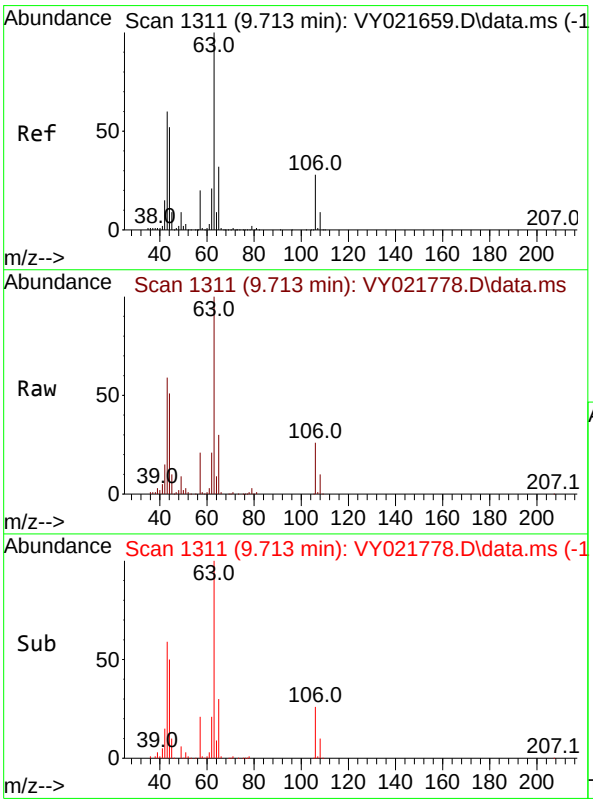
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

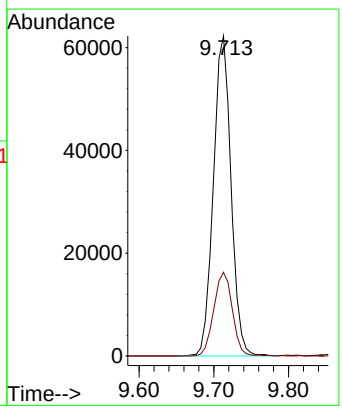
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

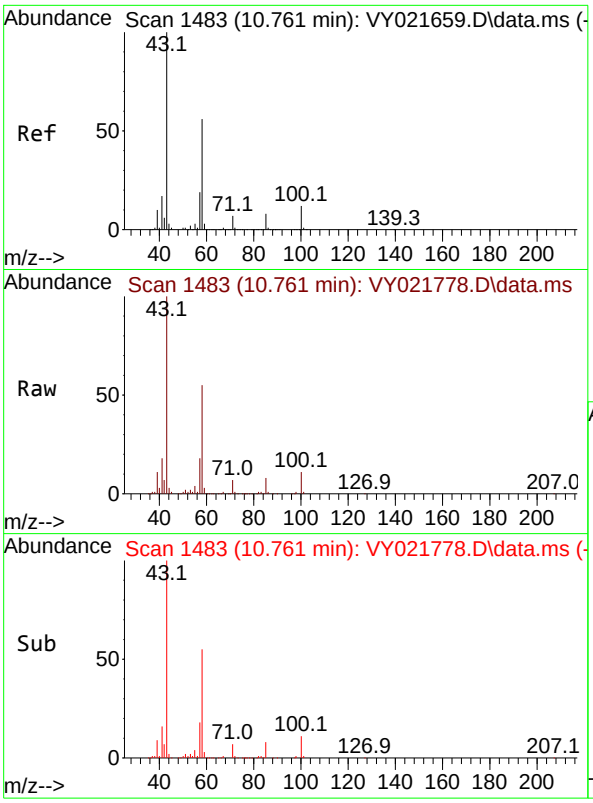


#58
2-Chloroethyl Vinyl ether
Concen: 94.929 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 63 Resp: 102441

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.4	33.6

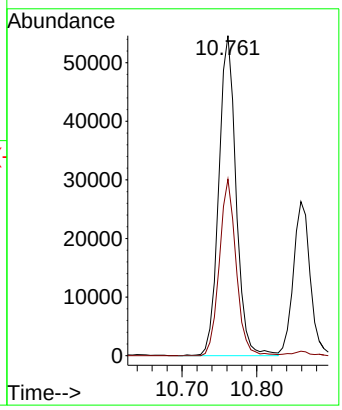




#59
2-Hexanone
Concen: 86.157 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 8799

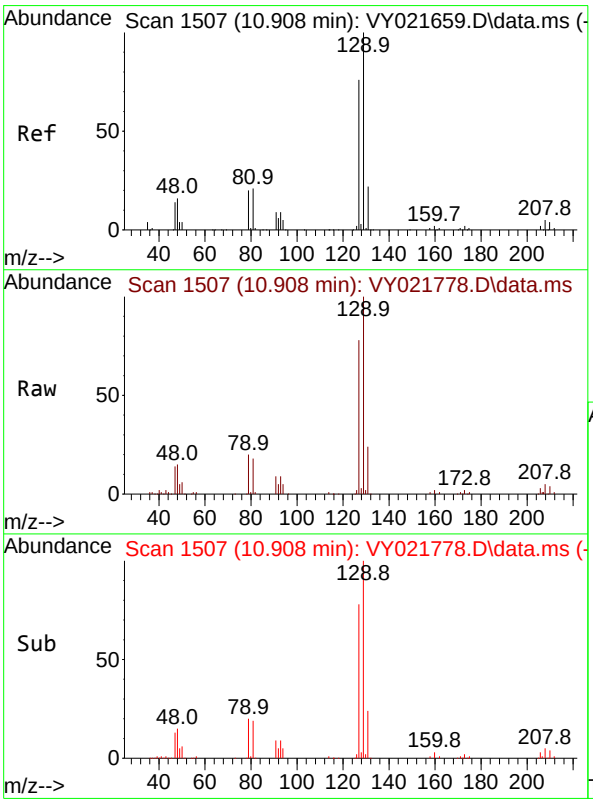
Ion	Ratio	Lower	Upper
43	100		
58	53.4	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

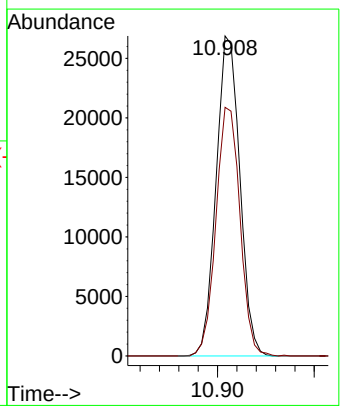
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

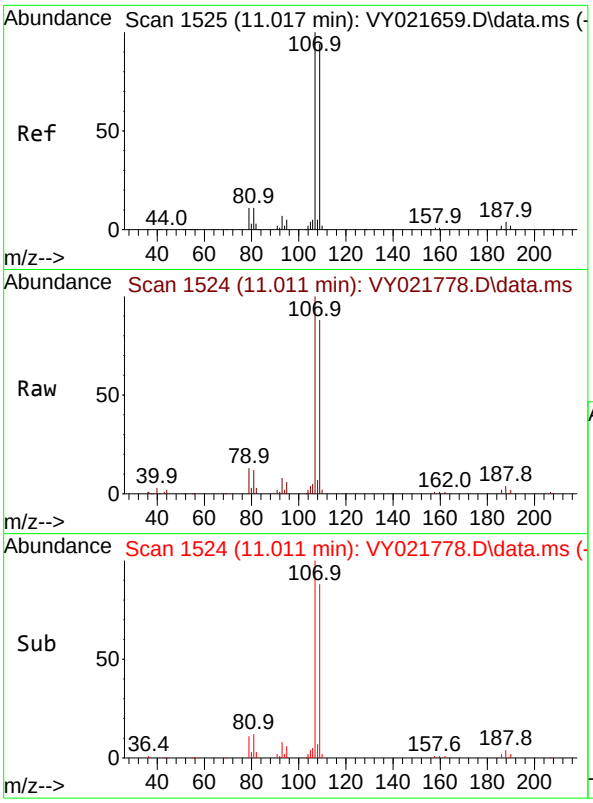


#60
Dibromochloromethane
Concen: 19.348 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:129 Resp: 45764

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.6	115.7





#61
1,2-Dibromoethane
Concen: 19.087 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

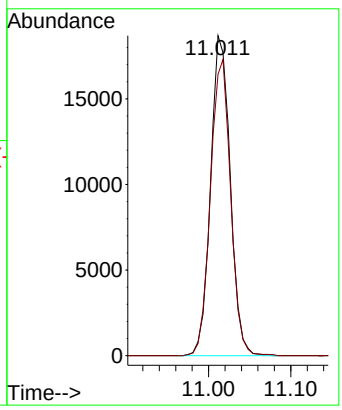
Tgt Ion:107 Resp: 3101

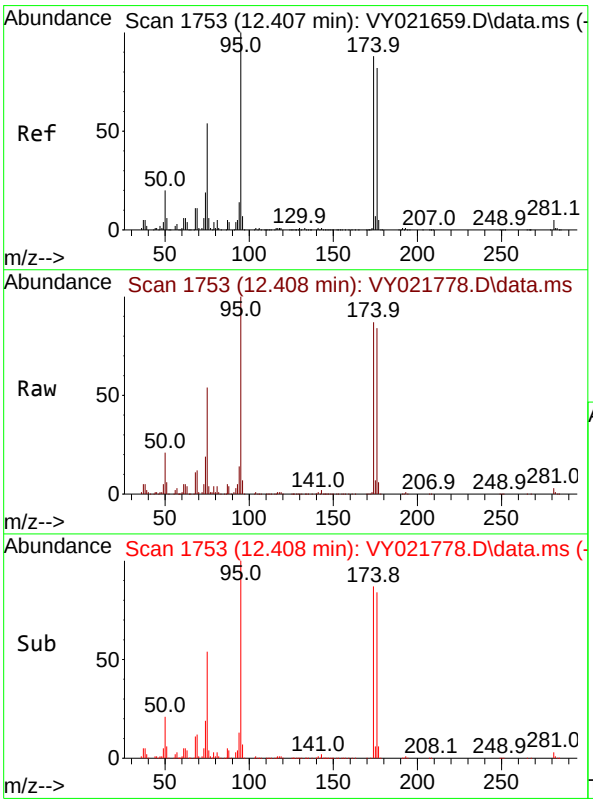
Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

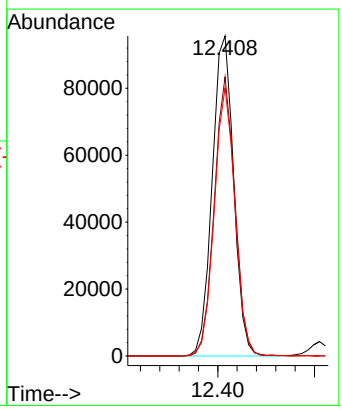


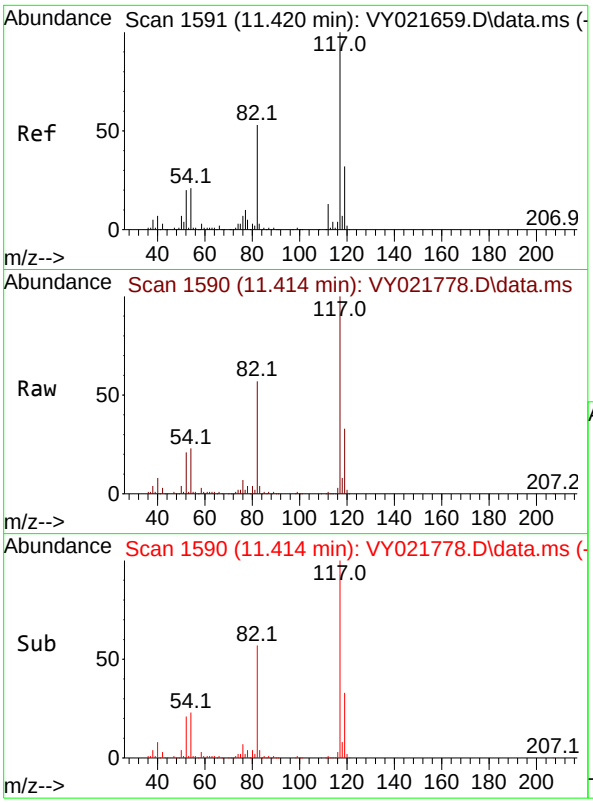


#62
4-Bromofluorobenzene
Concen: 52.820 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 95 Resp: 147041

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.8
176	81.1	0.0	162.0

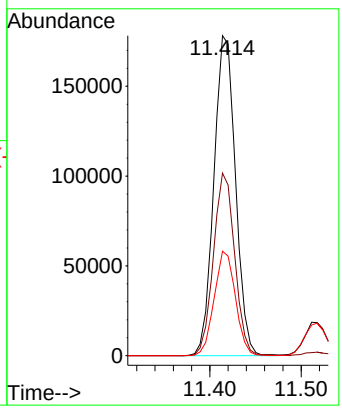




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:117 Resp: 29310

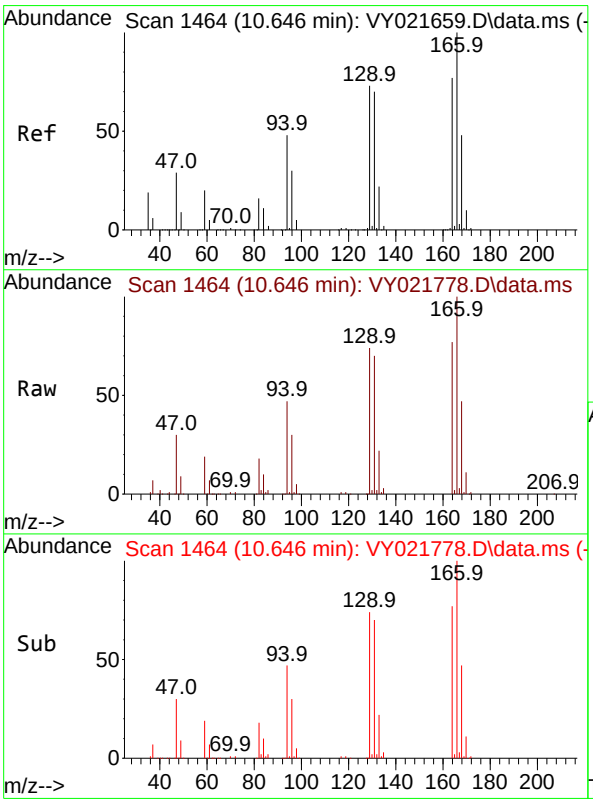
Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.8	64.2
119	32.7	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

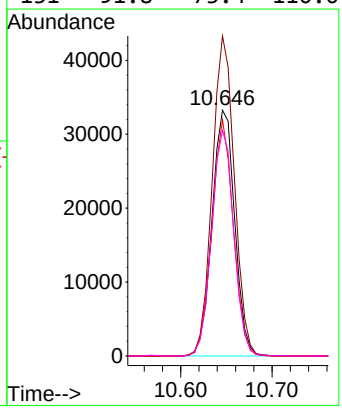
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

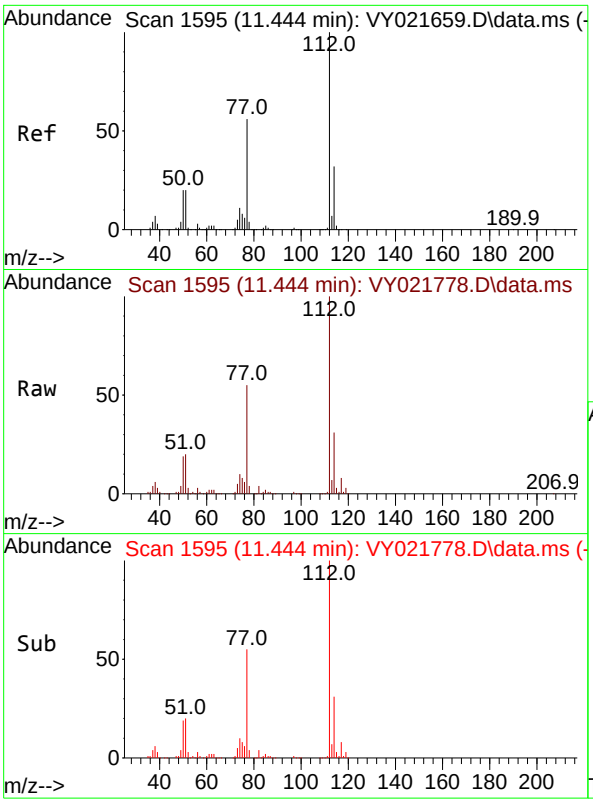


#64
Tetrachloroethene
Concen: 21.437 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:164 Resp: 57226

Ion	Ratio	Lower	Upper
164	100		
166	130.2	104.6	156.8
129	96.1	76.6	114.8
131	91.8	73.4	110.0

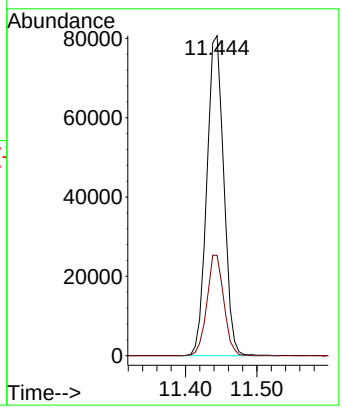




#65
Chlorobenzene
Concen: 19.745 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:112 Resp: 13266

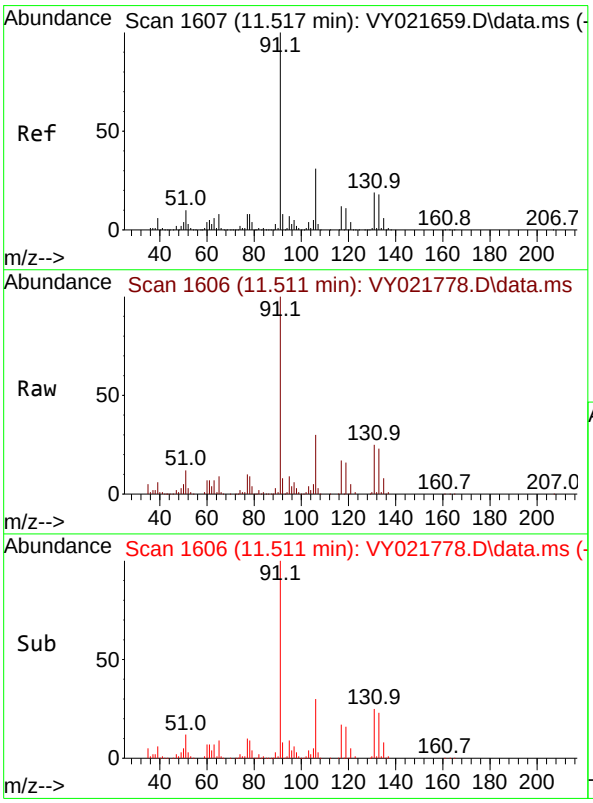
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

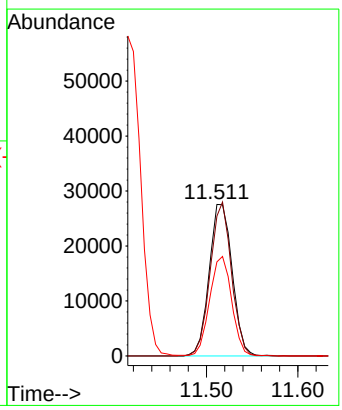
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

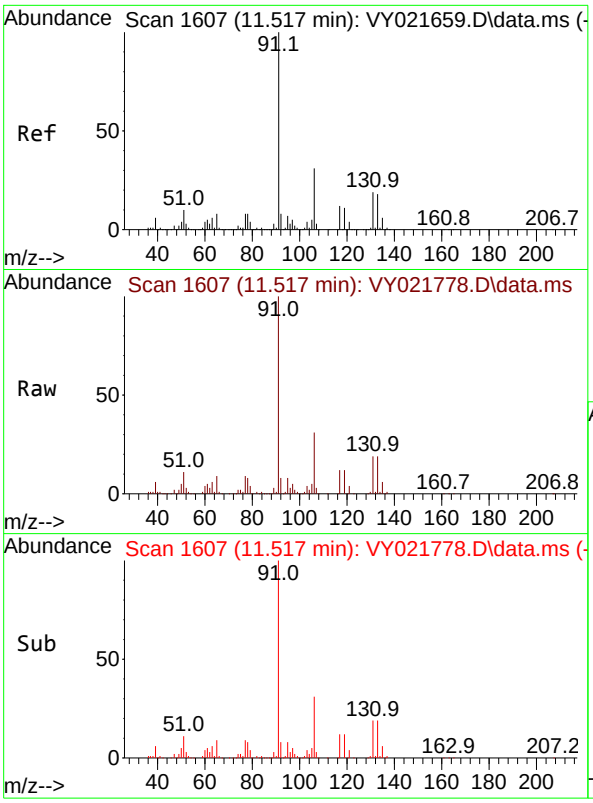


#66
1,1,1,2-Tetrachloroethane
Concen: 20.215 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:131 Resp: 48189

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.8
119	62.9	31.6	95.0

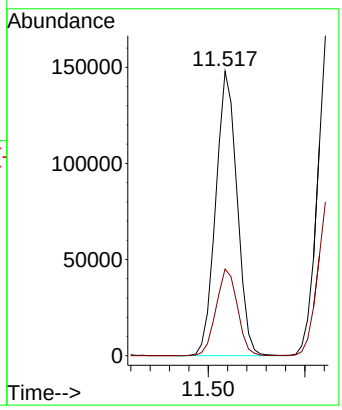




#67
Ethyl Benzene
Concen: 19.612 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 22595

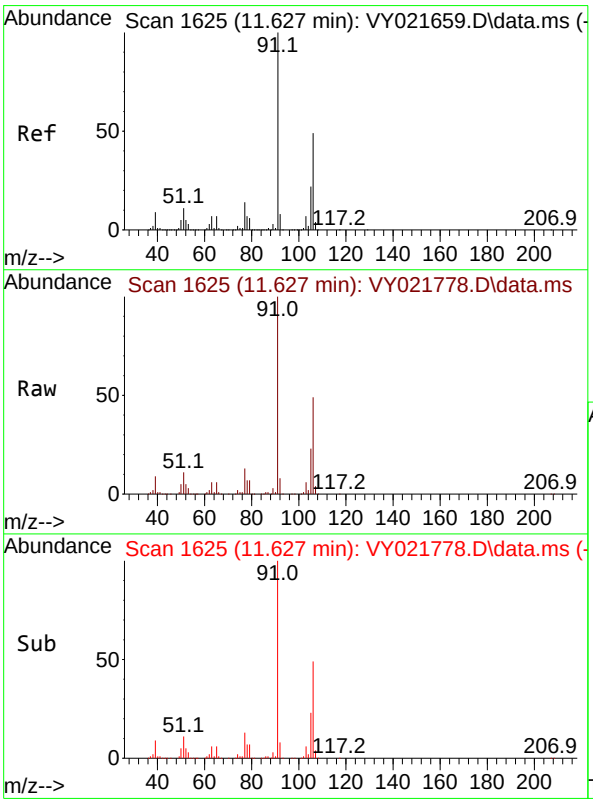
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

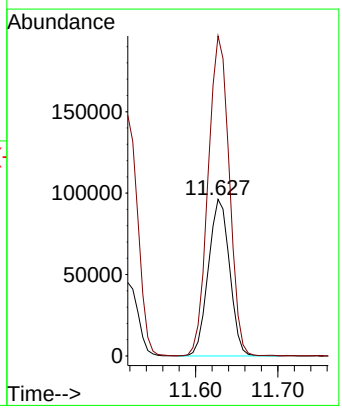
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

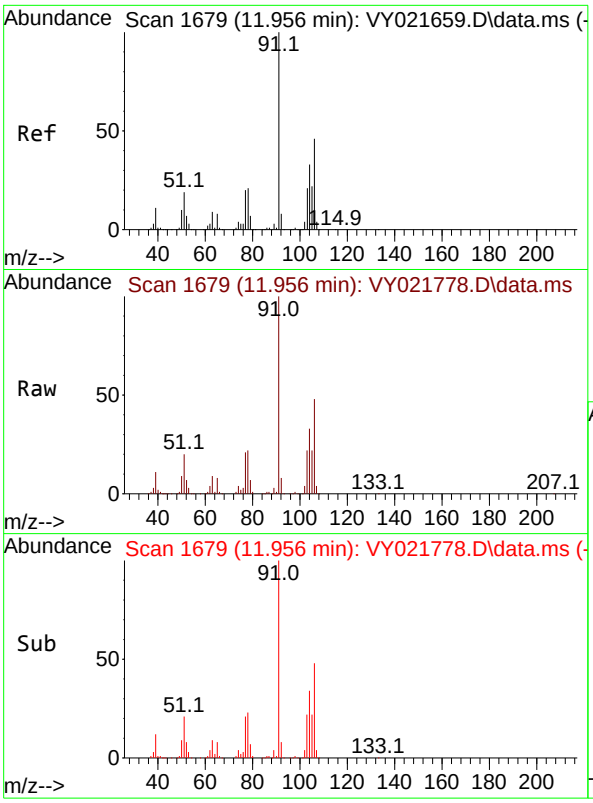


#68
m/p-Xylenes
Concen: 39.102 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:106 Resp: 172512

Ion	Ratio	Lower	Upper
106	100		
91	203.2	162.4	243.6

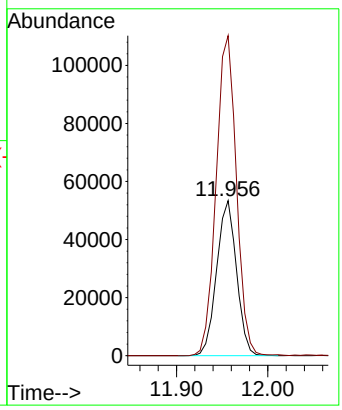




#69
o-Xylene
Concen: 19.805 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:106 Resp: 8065

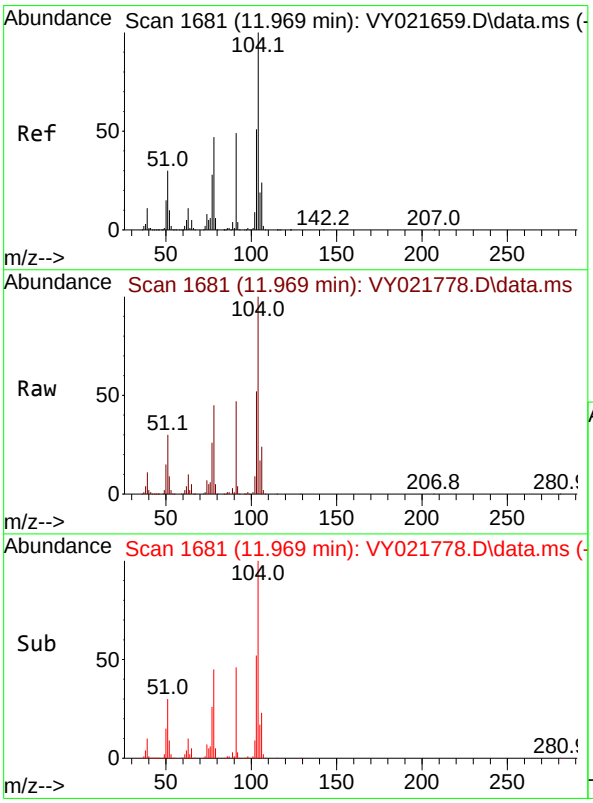
Ion	Ratio	Lower	Upper
106	100		
91	210.9	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

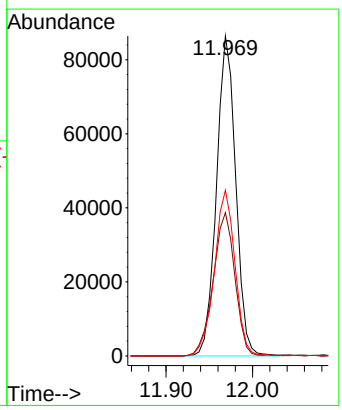
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

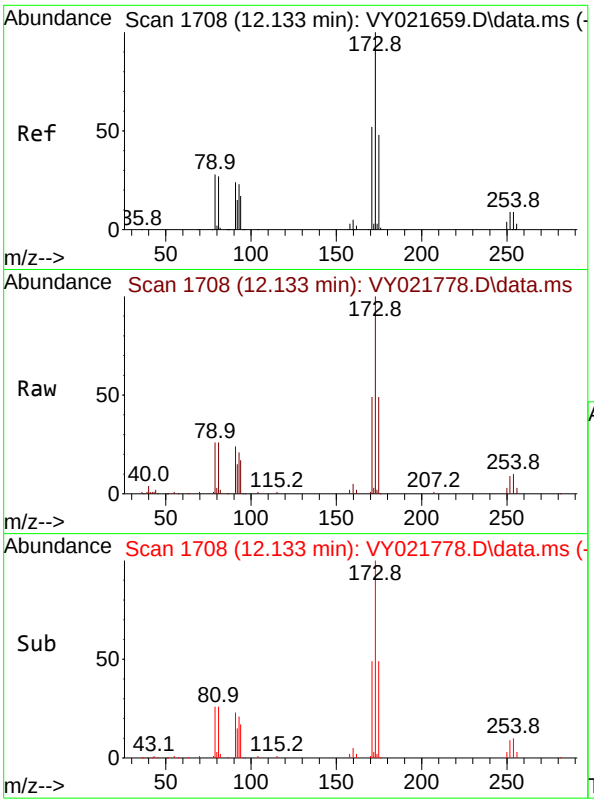


#70
Styrene
Concen: 19.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:104 Resp: 133338

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.8	61.2
103	55.8	44.2	66.2

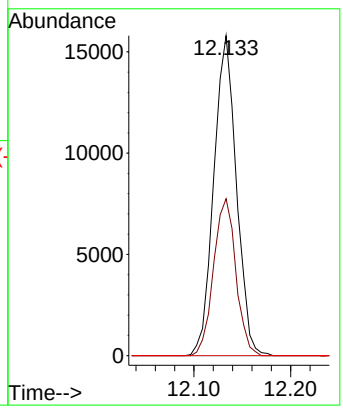




#71
Bromoform
Concen: 18.854 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:173 Resp: 2563

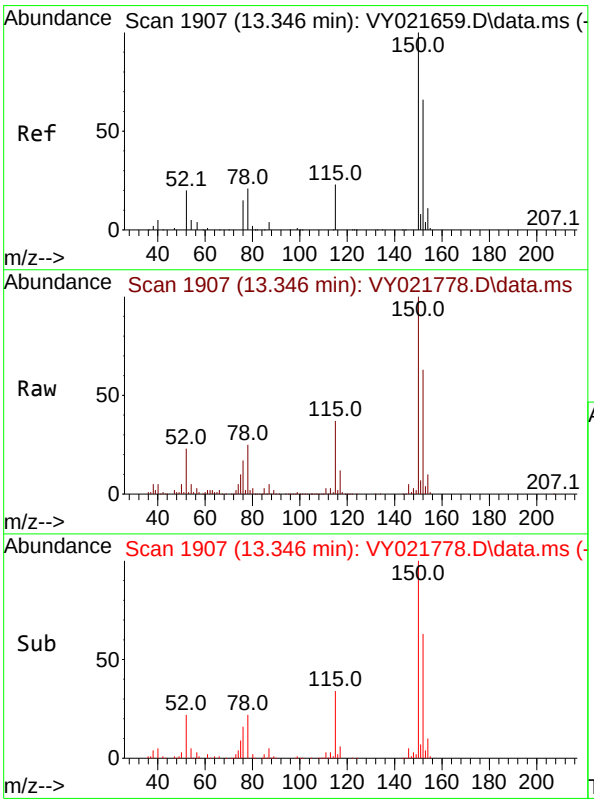
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

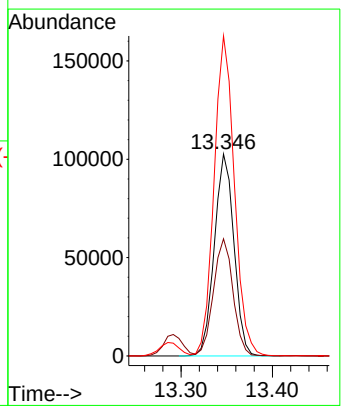
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

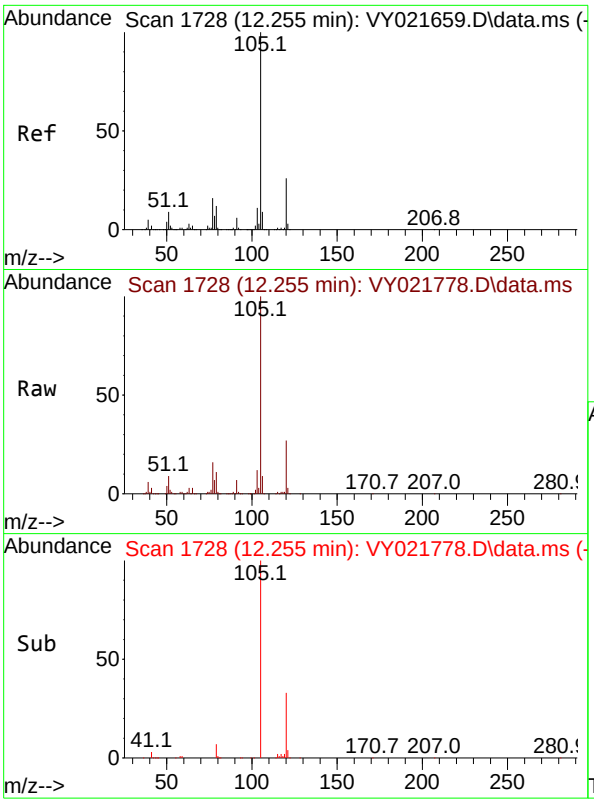


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:152 Resp: 152811

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	164.2	0.0	348.4

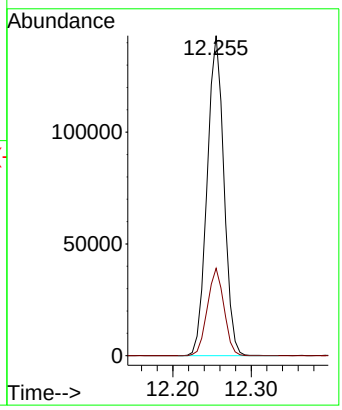




#73
Isopropylbenzene
Concen: 18.738 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:105 Resp: 21266

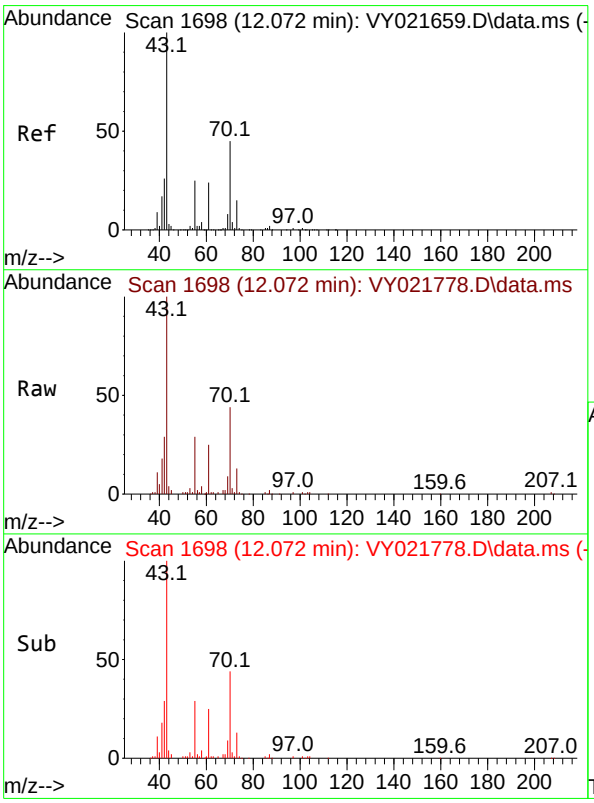
Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

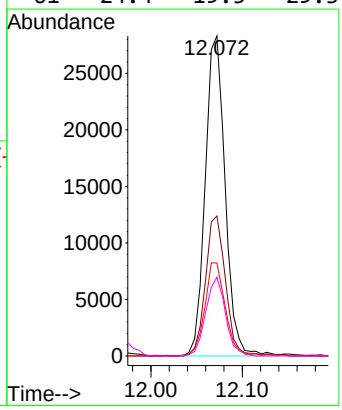
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

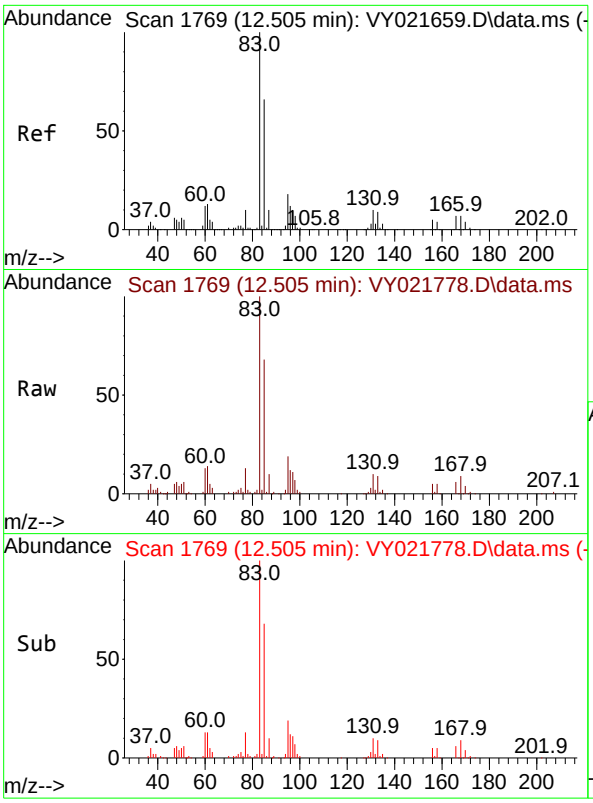


#74
N-amyl acetate
Concen: 16.060 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 42780

Ion	Ratio	Lower	Upper
43	100		
70	43.8	34.7	52.1
55	30.5	21.2	31.8
61	24.4	19.5	29.3

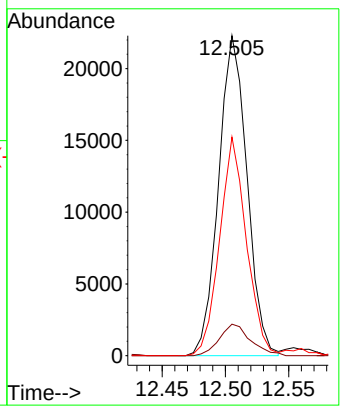




#75
1,1,2,2-Tetrachloroethane
Concen: 17.080 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 83 Resp: 3485

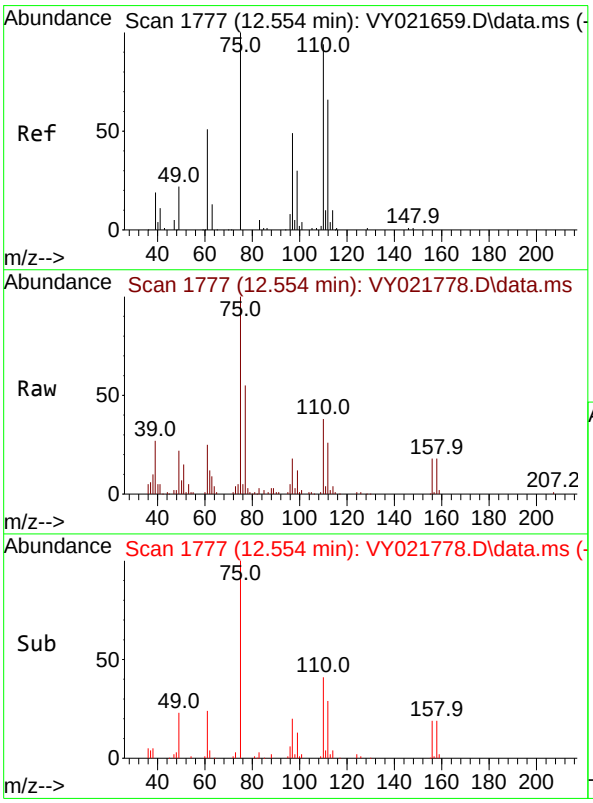
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.3
85	64.3	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

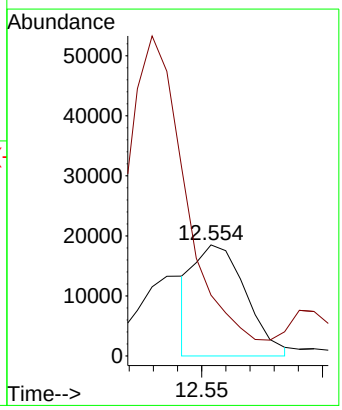
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

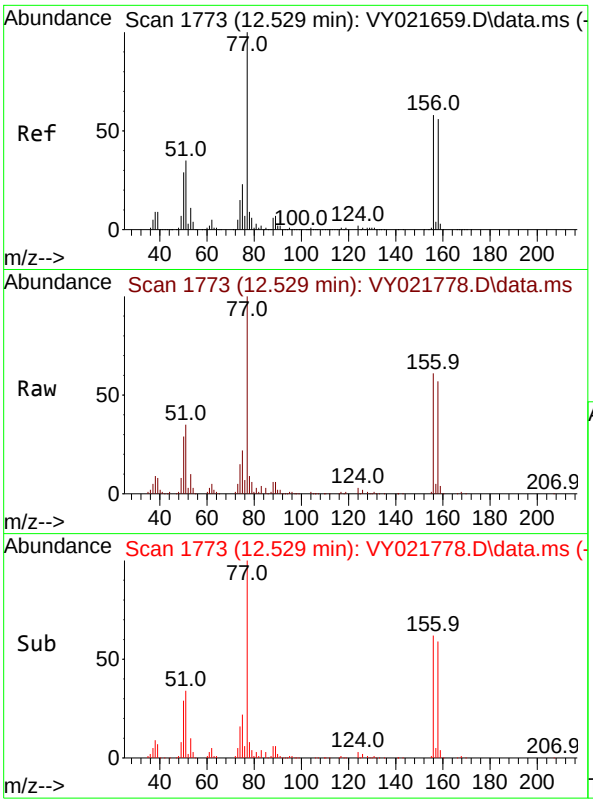


#76
1,2,3-Trichloropropane
Concen: 18.221 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 27600

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

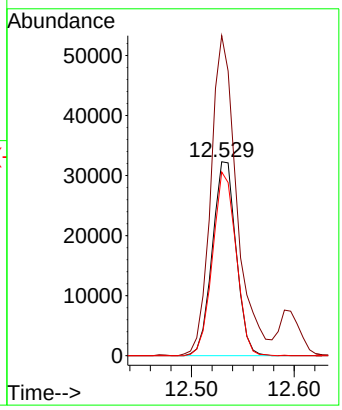




#77
Bromobenzene
Concen: 19.024 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:156 Resp: 5184

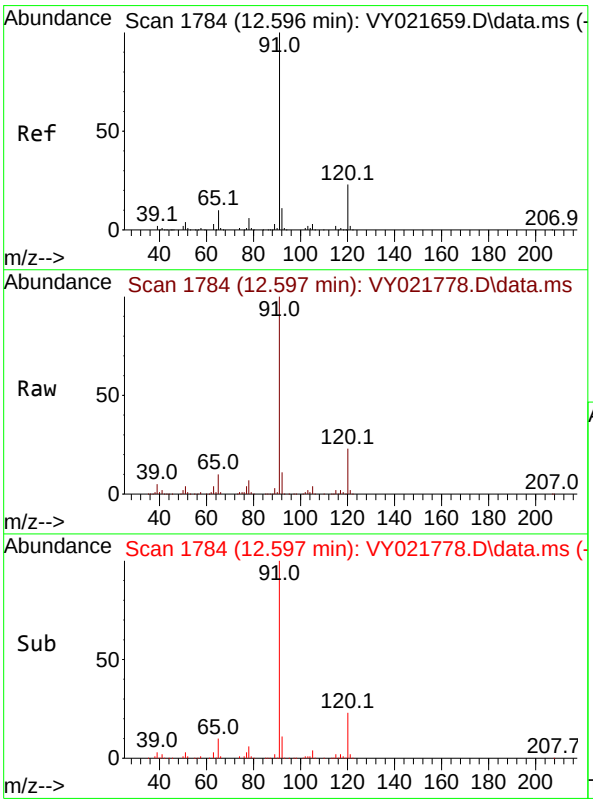
Ion	Ratio	Lower	Upper
156	100		
77	181.4	92.8	278.3
158	93.7	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

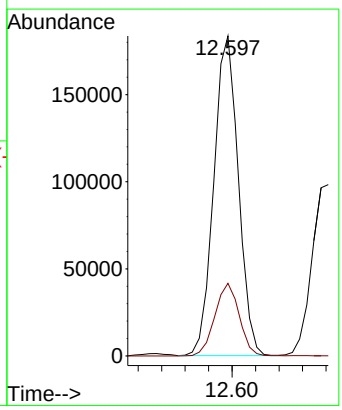
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

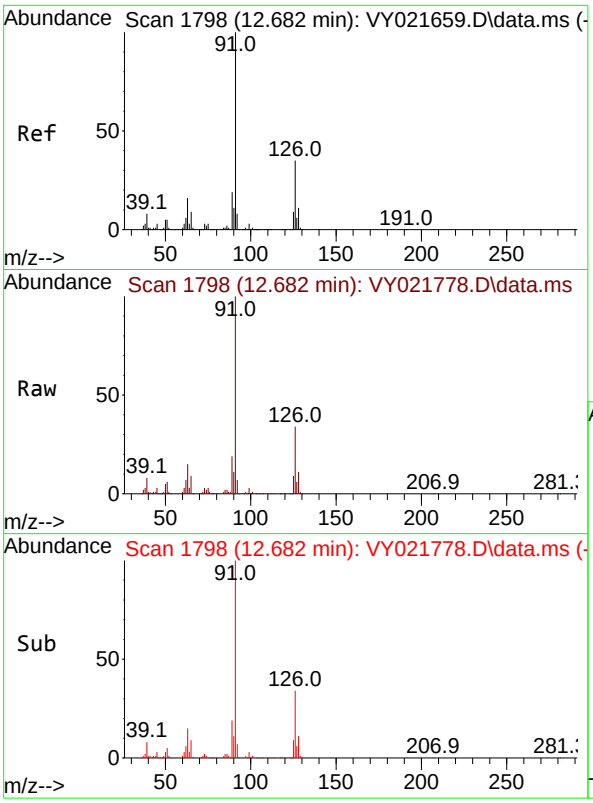


#78
n-propylbenzene
Concen: 19.496 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 266033

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9

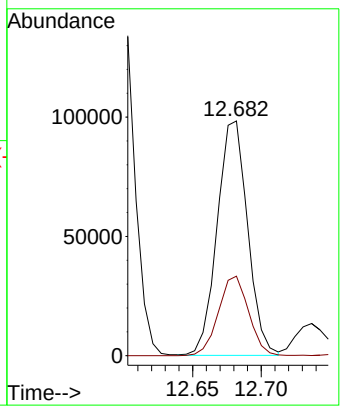




#79
2-Chlorotoluene
Concen: 19.174 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 15195

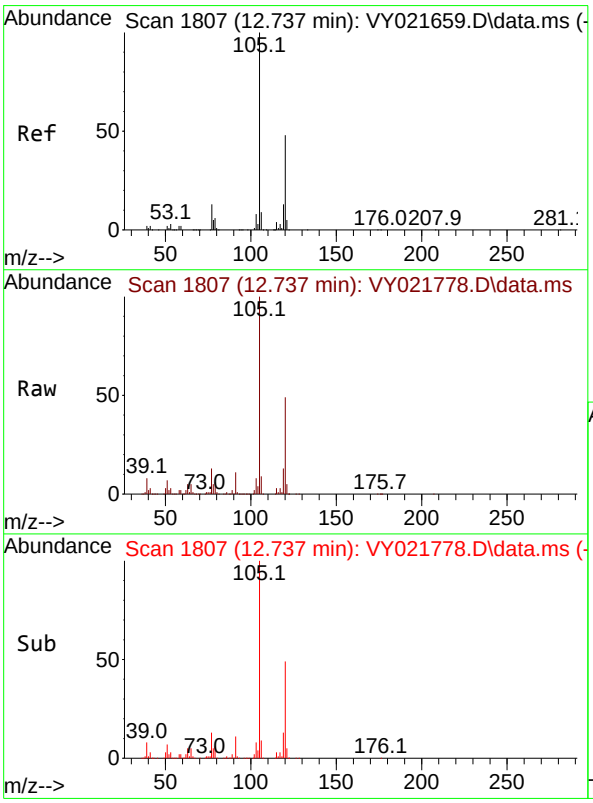
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

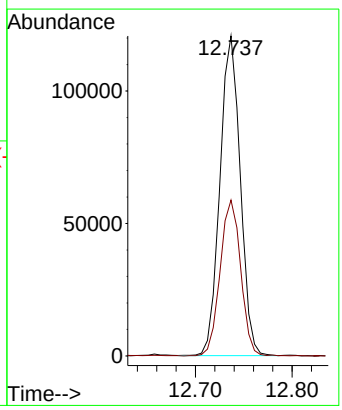
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

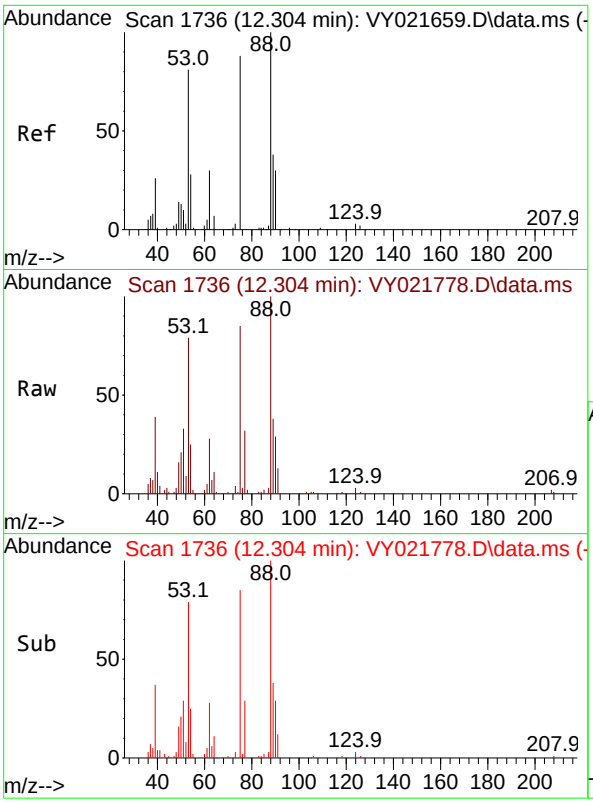


#80
1,3,5-Trimethylbenzene
Concen: 18.945 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:105 Resp: 175739

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 16.328 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

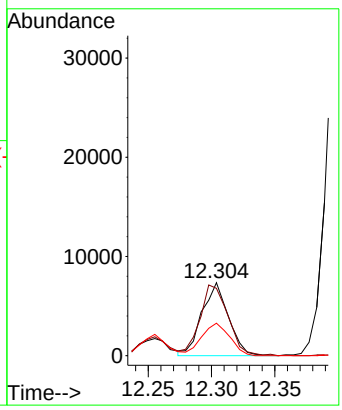
Tgt Ion: 75 Resp: 1073

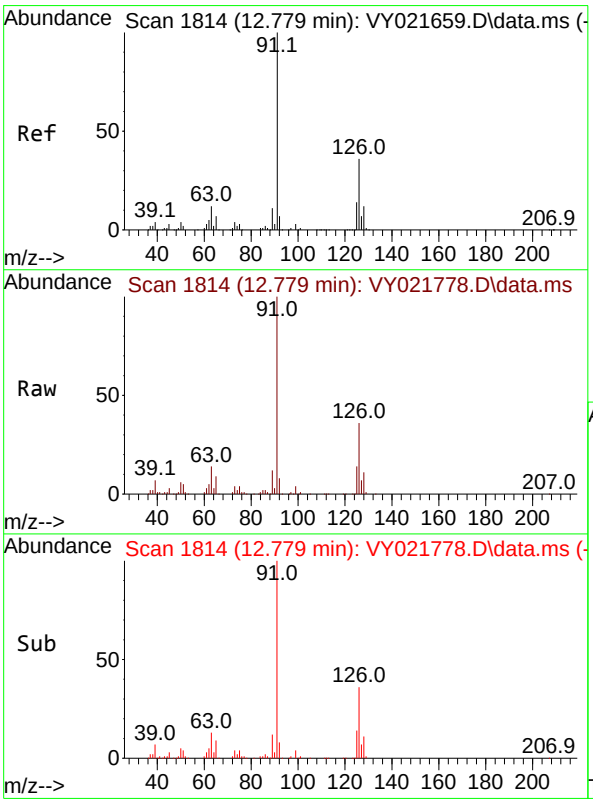
Ion	Ratio	Lower	Upper
75	100		
53	103.1	76.1	114.1
89	46.6	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

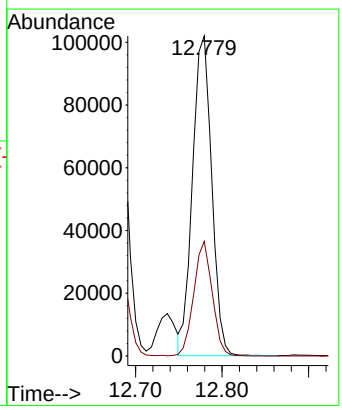


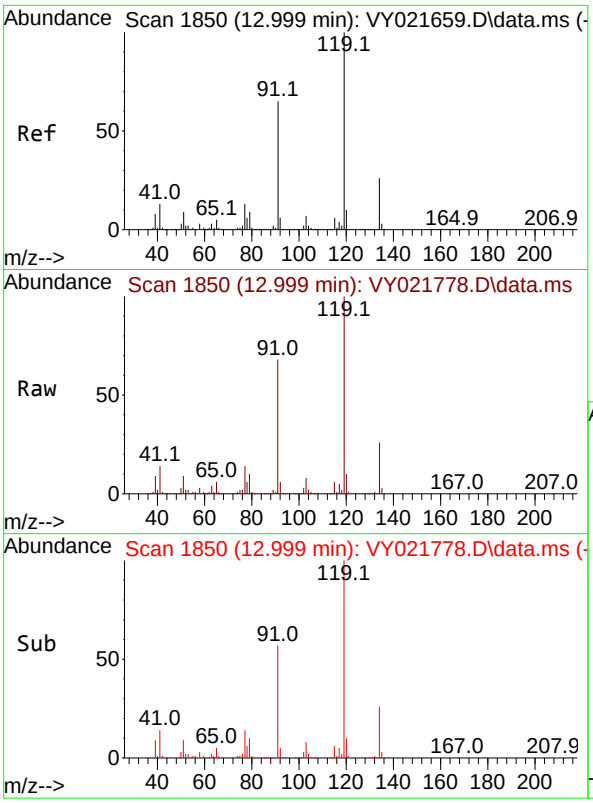


#82
4-Chlorotoluene
Concen: 19.006 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 157038

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	50.9

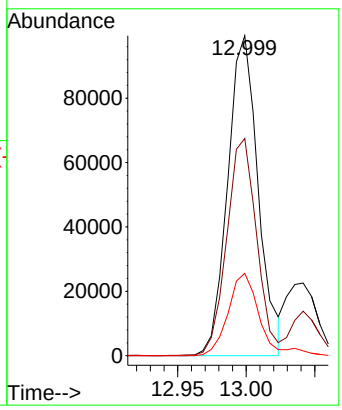




#83
tert-Butylbenzene
Concen: 18.633 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:119 Resp: 15394

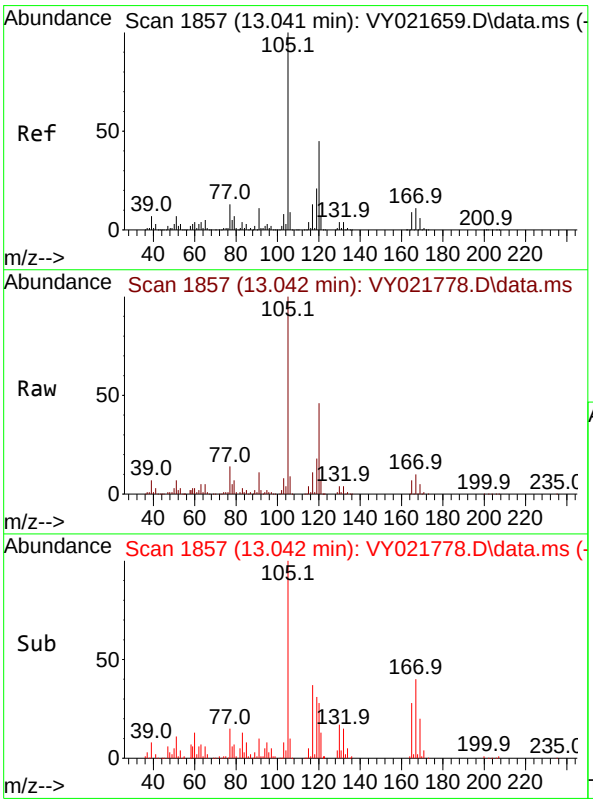
Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.6	97.7
134	26.6	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

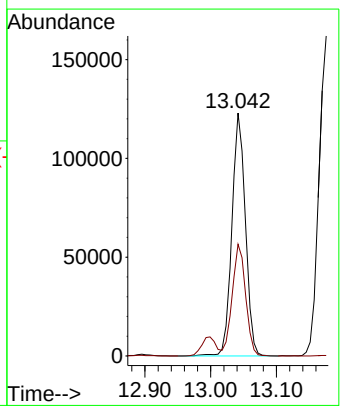
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

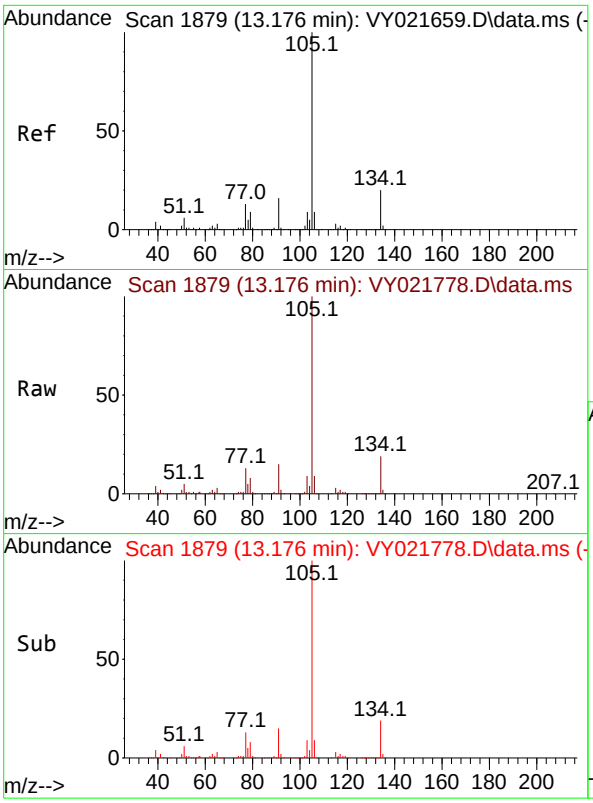


#84
1,2,4-Trimethylbenzene
Concen: 19.171 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:105 Resp: 175765

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.1

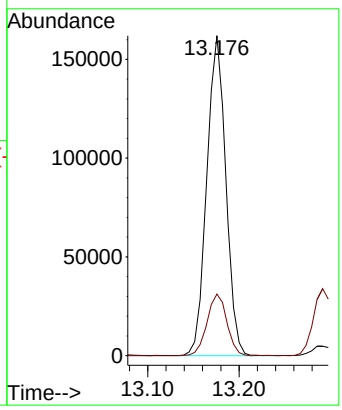




#85
sec-Butylbenzene
Concen: 19.380 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:105 Resp: 23399

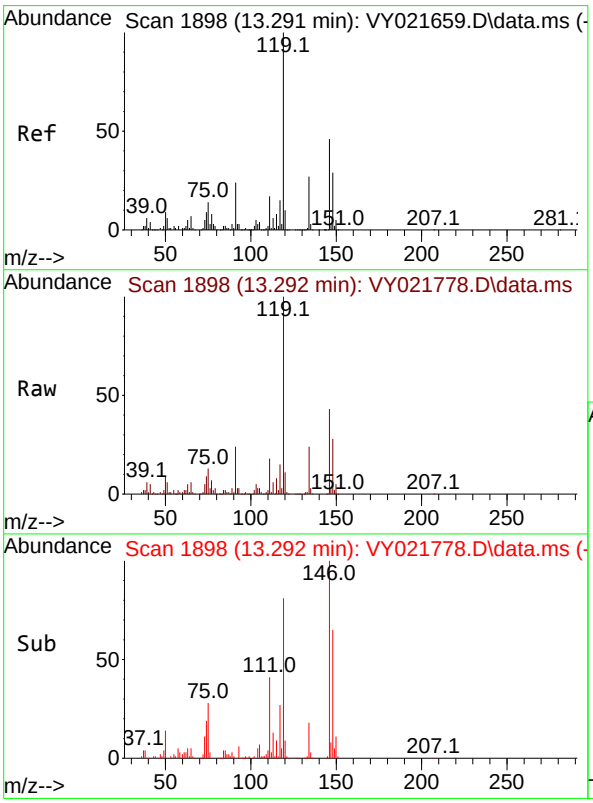
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

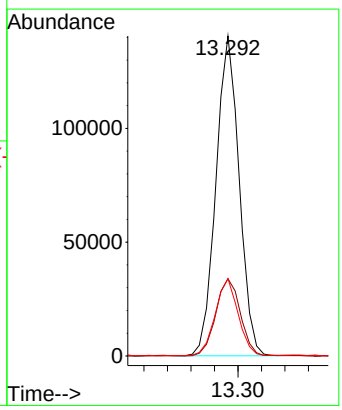
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

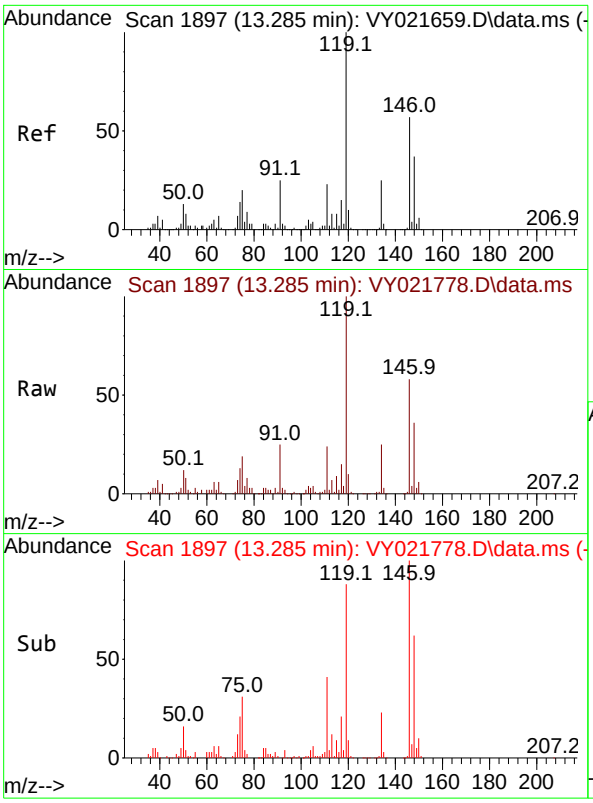


#86
p-Isopropyltoluene
Concen: 19.362 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:119 Resp: 193222

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.2	39.5
91	23.7	12.0	36.0

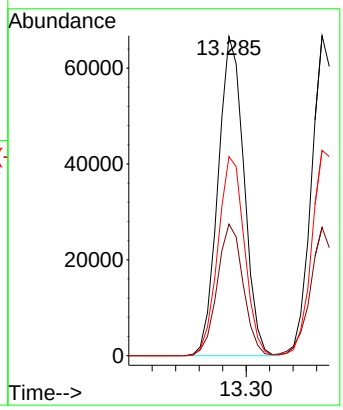




#87
1,3-Dichlorobenzene
Concen: 18.993 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:146 Resp: 10197

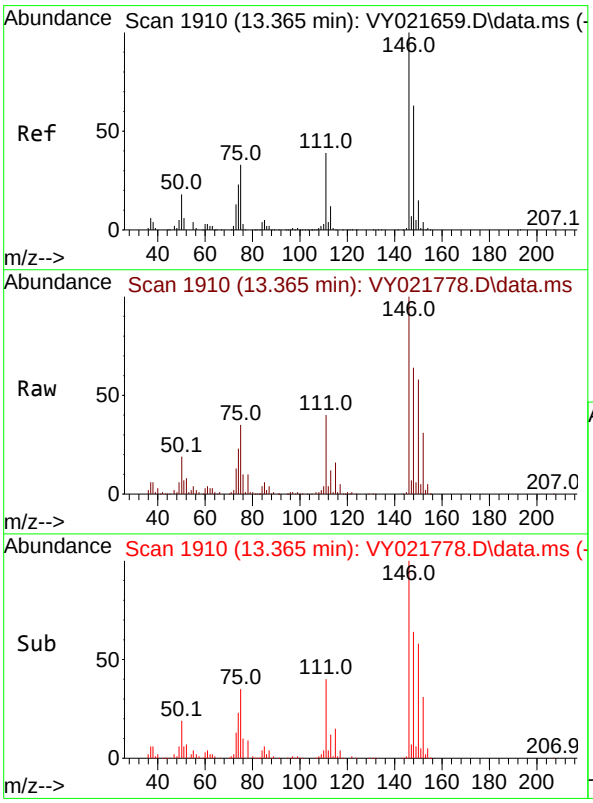
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	63.8	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

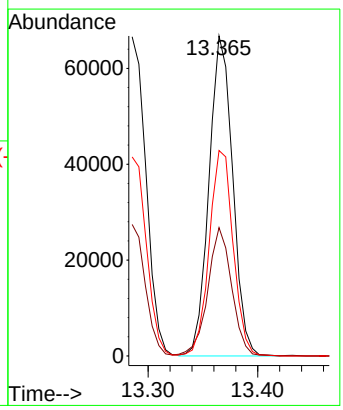
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

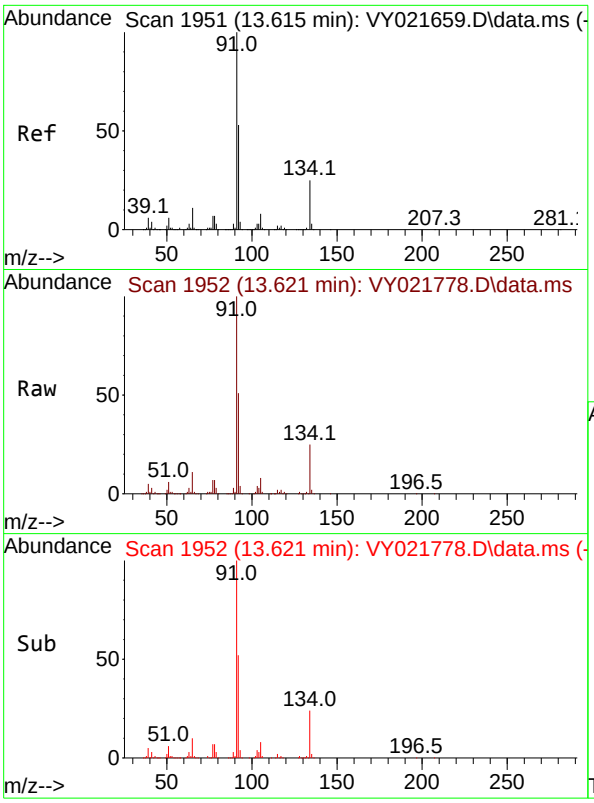


#88
1,4-Dichlorobenzene
Concen: 18.898 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:146 Resp: 100243

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.1	57.1
148	64.9	31.5	94.5

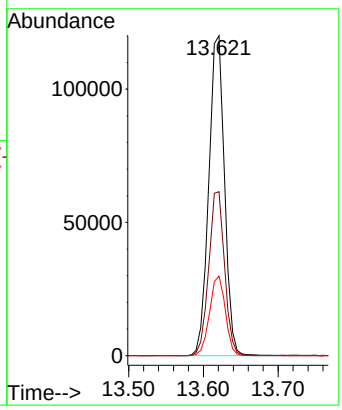




#89
n-Butylbenzene
Concen: 19.102 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 17629

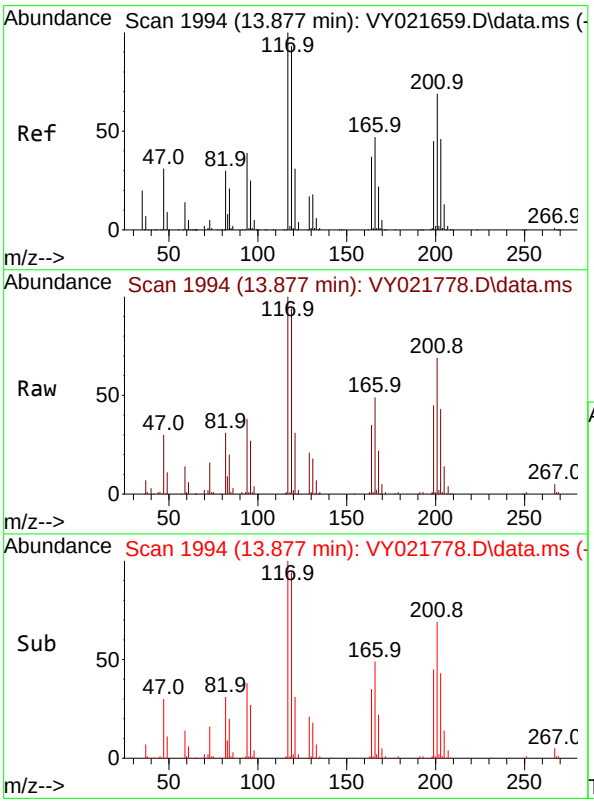
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.4	79.2
134	24.8	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

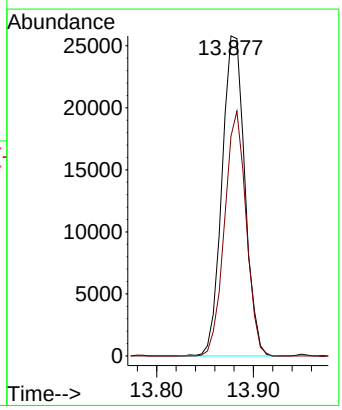
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

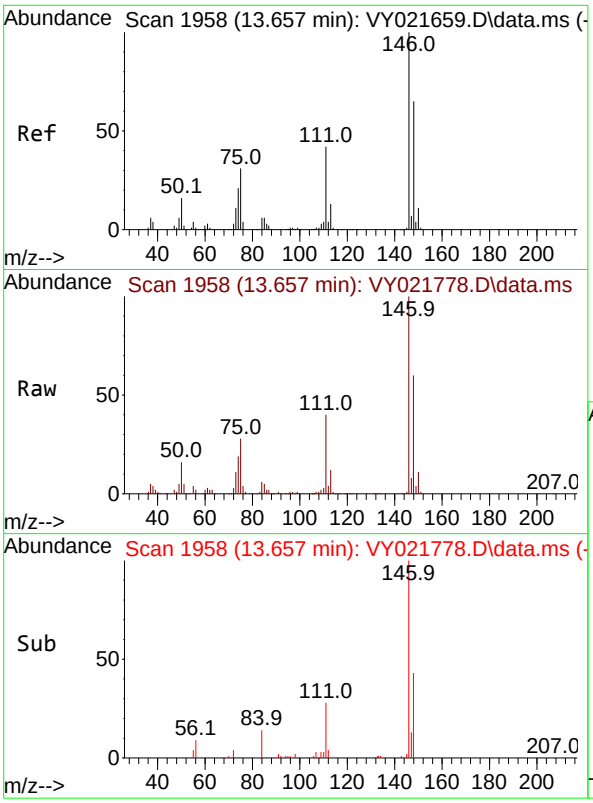


#90
Hexachloroethane
Concen: 19.280 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:117 Resp: 42163

Ion	Ratio	Lower	Upper
117	100		
201	72.7	37.4	112.1

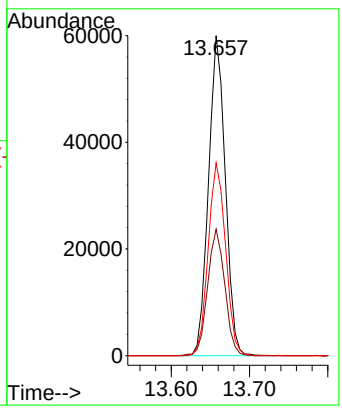




#91
1,2-Dichlorobenzene
Concen: 19.105 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:146 Resp: 8929

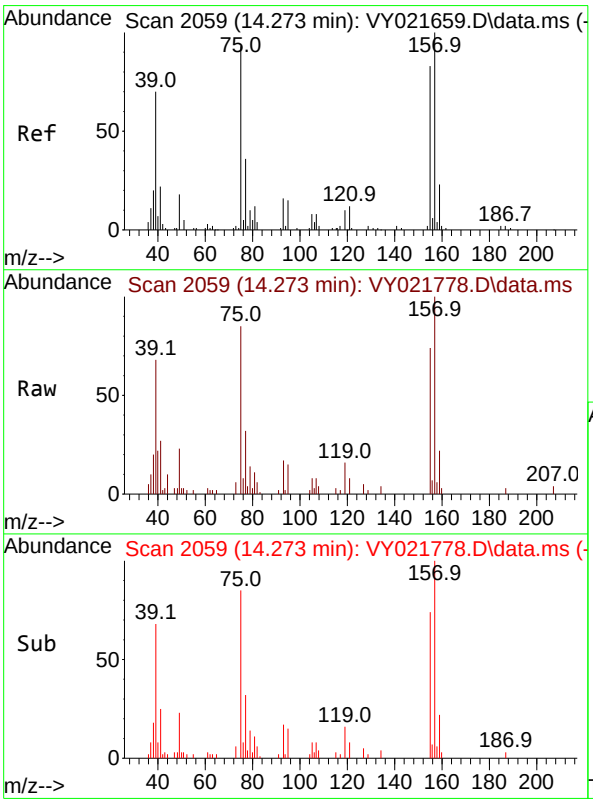
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	62.4	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

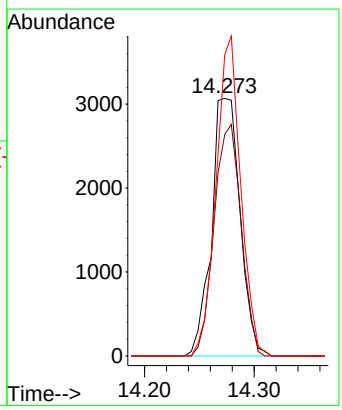
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

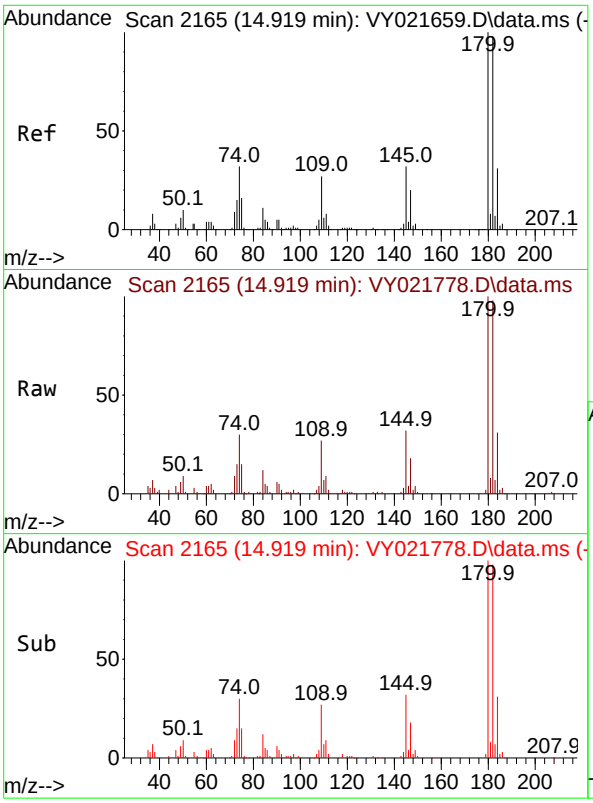


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.494 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 5533

Ion	Ratio	Lower	Upper
75	100		
155	85.2	43.0	128.8
157	107.3	54.0	162.0

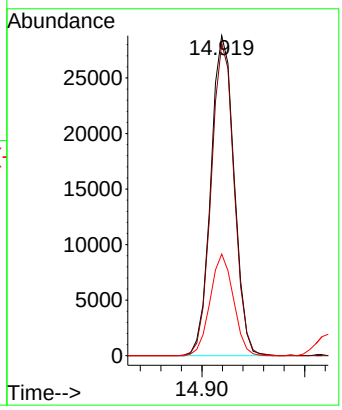




#93
1,2,4-Trichlorobenzene
Concen: 17.892 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:180 Resp: 4534

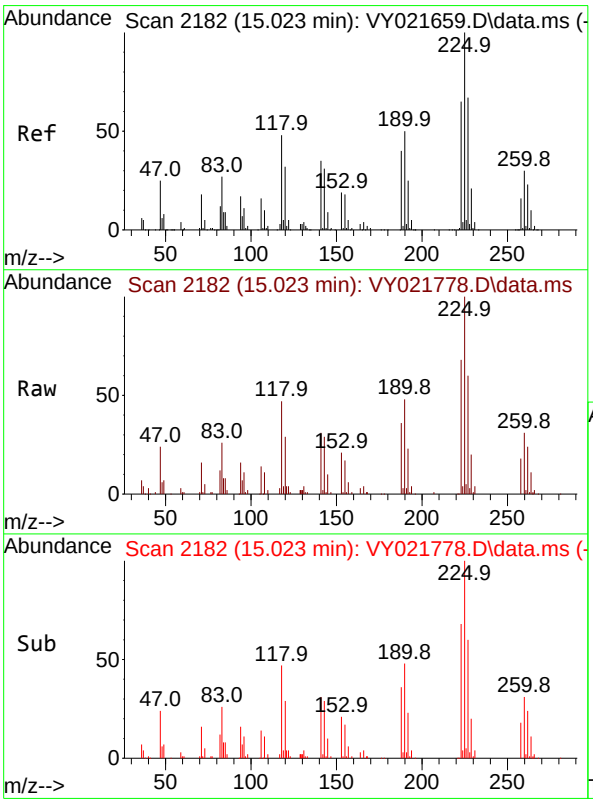
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	31.7	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

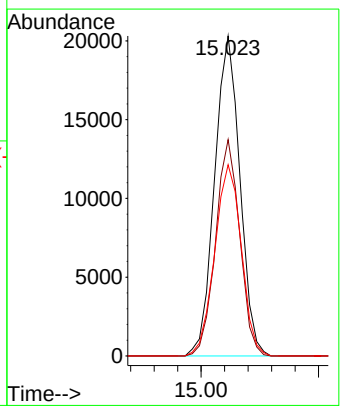
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

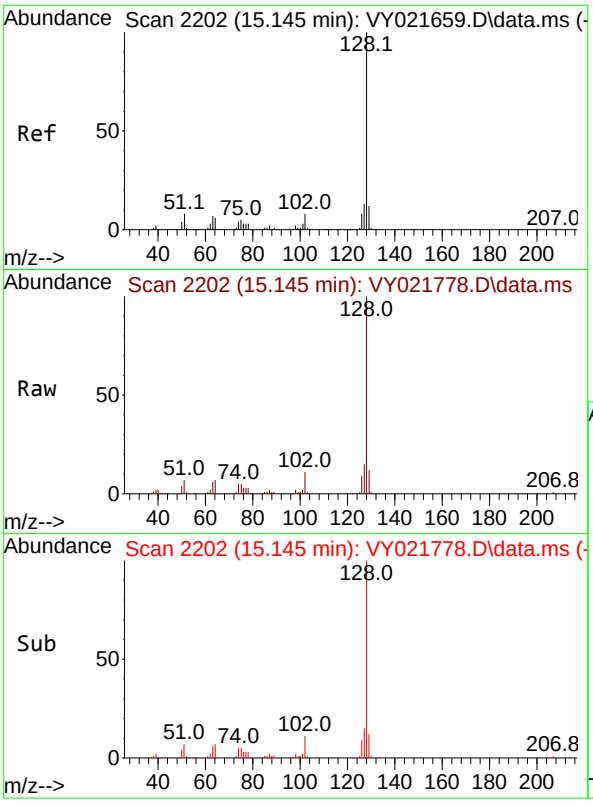


#94
Hexachlorobutadiene
Concen: 19.201 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:225 Resp: 30393

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.9	95.7
227	62.7	32.4	97.0

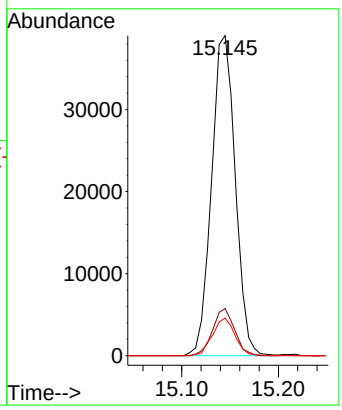




#95
Naphthalene
Concen: 15.803 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:128 Resp: 6639

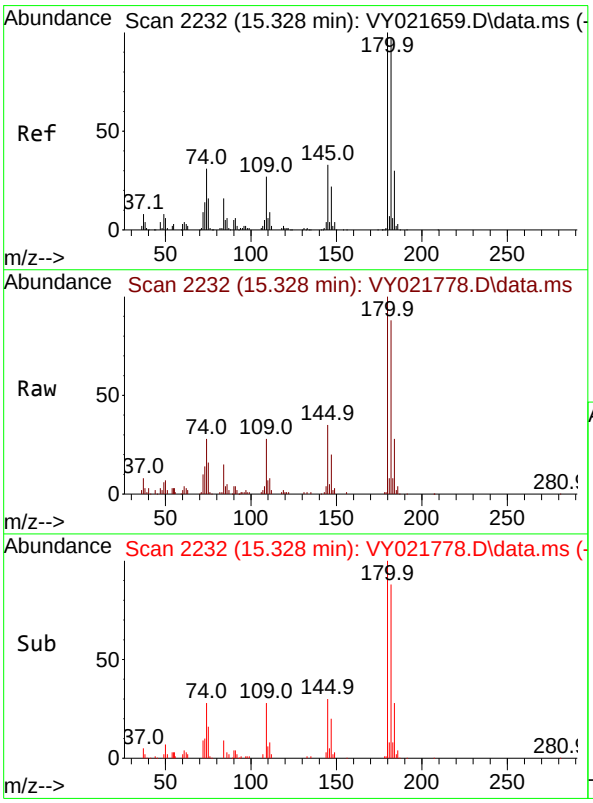
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.2	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Manual Integrations
APPROVED

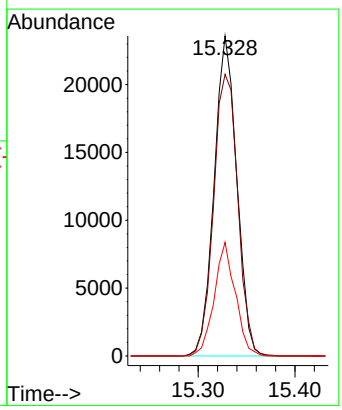
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.723 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:180 Resp: 38305

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	33.1	15.9	47.7



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:	VY0407SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBS01	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
VY021796.D	1		04/07/25 14:07	VY040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.017		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	0.018		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	0.091		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	0.019		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.018		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.097		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.074		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.018		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	0.019		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	0.086		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.019		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.018		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.019		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.019		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.019		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.019		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.019		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.019		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	0.096		0.0036	0.013	0.025	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:	VY0407SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBS01	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
VY021796.D	1		04/07/25 14:07	VY040725

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	0.093		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	0.019		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.019		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.018		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.038		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.056		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	0.019		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	0.018		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.017		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.017		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.018		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.018		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.018		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.018		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.018		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.018		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.018		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.018		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.018		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		0.0016	0.0025	0.0050	mg/Kg

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:	VY0407SBS01	SDG No.:	Q1730
Lab Sample ID:	VY0407SBS01	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
VY021796.D	1		04/07/25 14:07	VY040725

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	0.019		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	0.018		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	0.018		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		71 - 136		103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.3		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	203000	7.707				
540-36-3	1,4-Difluorobenzene	318000	8.616				
3114-55-4	Chlorobenzene-d5	288000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.352				

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\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	202553	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317911	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	287816	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	149046	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	112714	51.360 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%		
35) Dibromofluoromethane	7.634	113	105448	51.133 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.260%		
50) Toluene-d8	10.109	98	402207	51.267 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.540%		
62) 4-Bromofluorobenzene	12.408	95	137431	51.789 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.580%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	36481	17.377 ug/l	98
3) Chloromethane	2.068	50	59151	20.037 ug/l	99
4) Vinyl Chloride	2.202	62	61511	18.425 ug/l	99
5) Bromomethane	2.592	94	48941	21.494 ug/l	98
6) Chloroethane	2.732	64	43322	19.831 ug/l	94
7) Trichlorofluoromethane	3.049	101	81090	18.961 ug/l	96
8) Diethyl Ether	3.458	74	21199	18.227 ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	42352	18.776 ug/l	99
10) Methyl Iodide	4.007	142	44371	17.931 ug/l	99
11) Tert butyl alcohol	4.891	59	12162	85.320 ug/l #	87
12) 1,1-Dichloroethene	3.787	96	38767	18.247 ug/l	94
13) Acrolein	3.653	56	12797	49.166 ug/l	98
14) Allyl chloride	4.385	41	61765	18.233 ug/l	98
15) Acrylonitrile	5.061	53	47002	96.790 ug/l	100
16) Acetone	3.879	43	33135	73.773 ug/l	97
17) Carbon Disulfide	4.104	76	123232	17.610 ug/l	99
18) Methyl Acetate	4.391	43	23144	20.791 ug/l	97
19) Methyl tert-butyl Ether	5.116	73	97072	18.352 ug/l	96
20) Methylene Chloride	4.616	84	47543	19.254 ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	43713	18.687 ug/l	93
22) Diisopropyl ether	6.018	45	137320	19.324 ug/l	96
23) Vinyl Acetate	5.964	43	378088	90.951 ug/l	98
24) 1,1-Dichloroethane	5.915	63	81273	19.127 ug/l	99
25) 2-Butanone	6.896	43	54867	85.526 ug/l	97
26) 2,2-Dichloropropane	6.890	77	67416	17.837 ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	49651	18.874 ug/l	98
28) Bromochloromethane	7.250	49	35606	19.870 ug/l	97
29) Tetrahydrofuran	7.268	42	37752	91.436 ug/l	99
30) Chloroform	7.421	83	85674	19.386 ug/l	97
31) Cyclohexane	7.701	56	67135	17.333 ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	74644	18.687 ug/l	98
36) 1,1-Dichloropropene	7.835	75	58414	18.597 ug/l	98
37) Ethyl Acetate	6.988	43	27713	18.694 ug/l	99
38) Carbon Tetrachloride	7.817	117	68118	18.934 ug/l	97
39) Methylcyclohexane	9.109	83	67315	17.939 ug/l	97
40) Benzene	8.085	78	181213	19.264 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	14170	17.999	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	51227	19.317	ug/l		98
43) Isopropyl Acetate	8.195	43	51199	18.225	ug/l		97
44) Trichloroethene	8.865	130	48310	20.156	ug/l		92
45) 1,2-Dichloropropane	9.140	63	43310	19.451	ug/l		99
46) Dibromomethane	9.237	93	25621	19.965	ug/l		96
47) Bromodichloromethane	9.426	83	65208	19.610	ug/l		95
48) Methyl methacrylate	9.225	41	23219	18.008	ug/l		98
49) 1,4-Dioxane	9.243	88	4830	351.345	ug/l	#	92
51) 4-Methyl-2-Pentanone	9.999	43	139834	95.649	ug/l		99
52) Toluene	10.170	92	114460	19.502	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	57318	19.407	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	67327	19.323	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	33605	20.349	ug/l		98
56) Ethyl methacrylate	10.438	69	39586	18.773	ug/l		98
57) 1,3-Dichloropropane	10.719	76	55754	19.548	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	101813	98.974	ug/l		98
59) 2-Hexanone	10.761	43	90772	93.230	ug/l		98
60) Dibromochloromethane	10.914	129	44536	19.752	ug/l		99
61) 1,2-Dibromoethane	11.018	107	30864	19.923	ug/l		99
64) Tetrachloroethene	10.646	164	55443	21.151	ug/l		96
65) Chlorobenzene	11.444	112	125282	18.989	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	44369	18.954	ug/l		98
67) Ethyl Benzene	11.524	91	206159	18.222	ug/l		98
68) m/p-Xylenes	11.633	106	162584	37.528	ug/l		98
69) o-Xylene	11.956	106	73961	18.495	ug/l		98
70) Styrene	11.975	104	124911	18.734	ug/l		99
71) Bromoform	12.133	173	26014	19.482	ug/l	#	99
73) Isopropylbenzene	12.255	105	194649	17.583	ug/l		100
74) N-amyl acetate	12.072	43	43771	16.847	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	32796	16.478	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	25435m	17.216	ug/l		
77) Bromobenzene	12.536	156	48789	18.356	ug/l		97
78) n-propylbenzene	12.596	91	239336	17.983	ug/l		99
79) 2-Chlorotoluene	12.682	91	139496	18.046	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	164031	18.130	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11742	18.313	ug/l		96
82) 4-Chlorotoluene	12.779	91	145850	18.098	ug/l		98
83) tert-Butylbenzene	12.999	119	143987	17.867	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	163642	18.300	ug/l		99
85) sec-Butylbenzene	13.176	105	212353	18.031	ug/l		100
86) p-Isopropyltoluene	13.291	119	176872	18.171	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	96706	18.467	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	97404	18.826	ug/l		99
89) n-Butylbenzene	13.621	91	160545	17.835	ug/l		98
90) Hexachloroethane	13.883	117	38801	18.191	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	86743	19.029	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5765	18.688	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	44738	18.097	ug/l		99
94) Hexachlorobutadiene	15.029	225	29010	18.790	ug/l		97
95) Naphthalene	15.151	128	70526	17.212	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38125	18.085	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

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

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

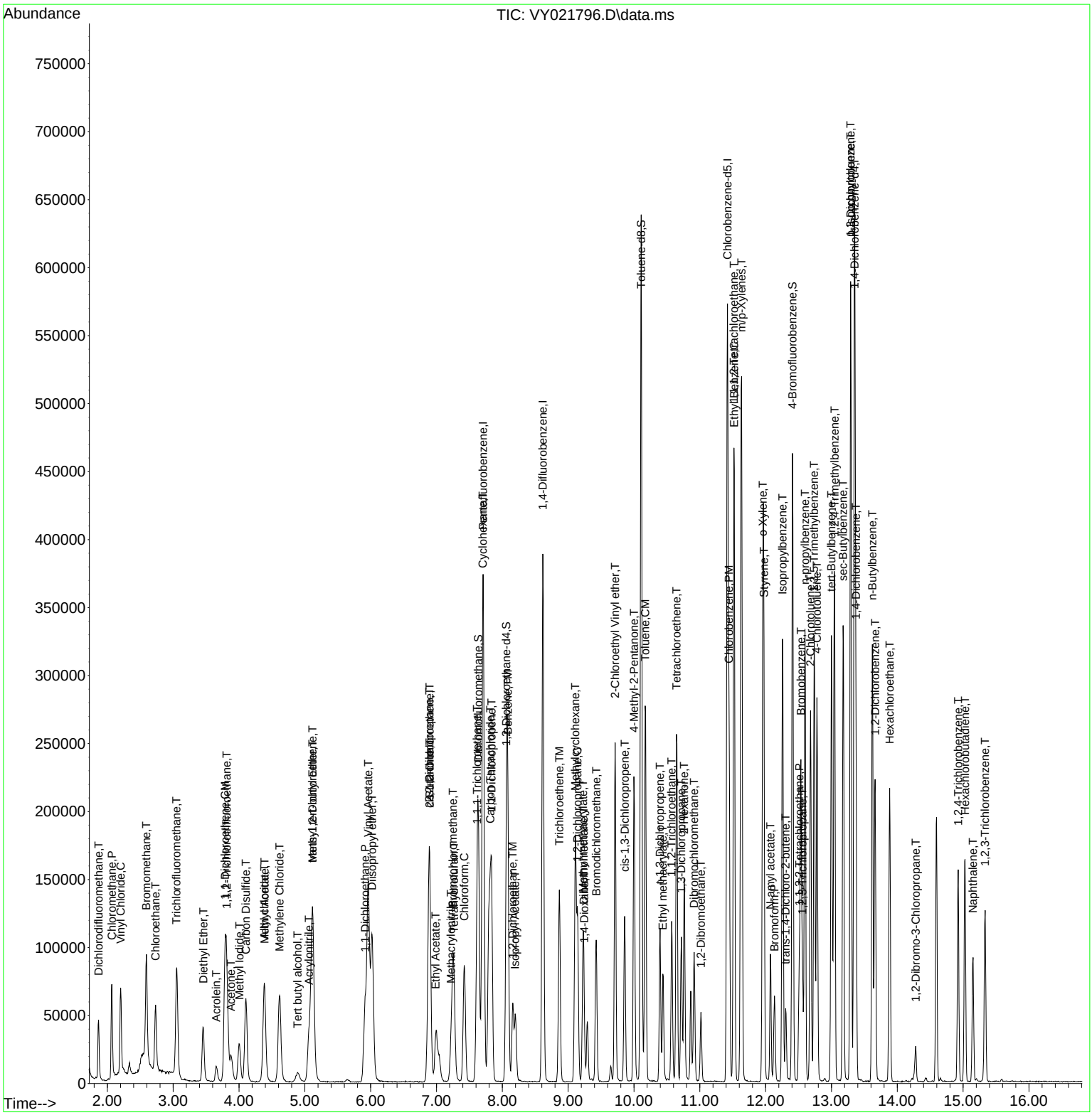
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

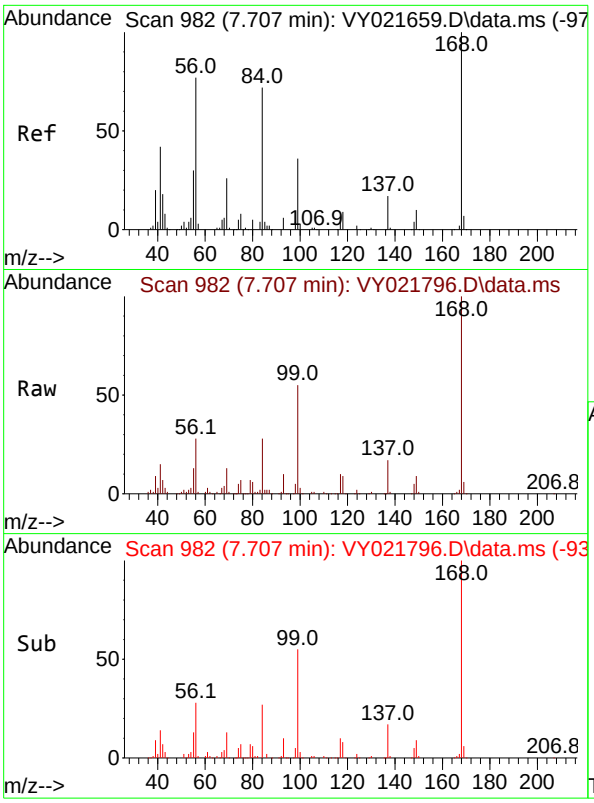
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

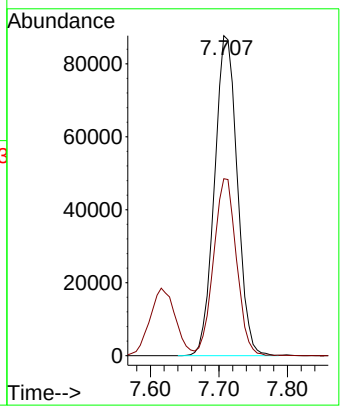




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:168 Resp: 20255

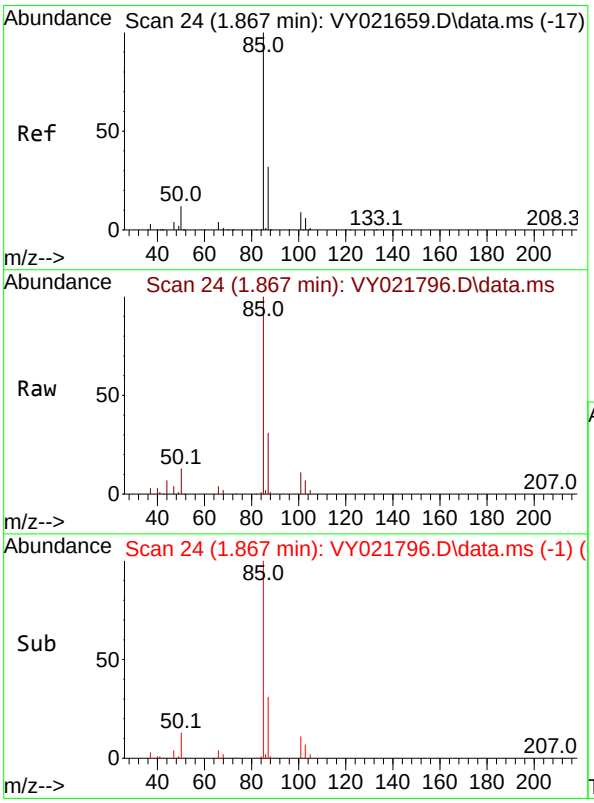
Ion	Ratio	Lower	Upper
168	100		
99	55.1	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

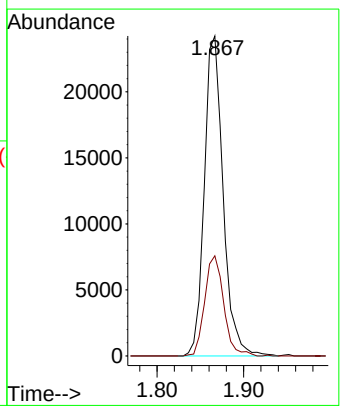
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

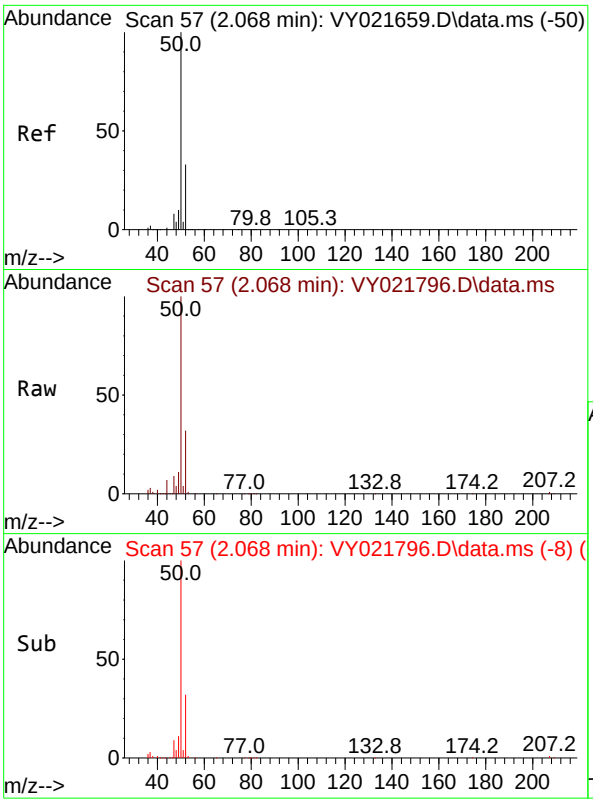


#2
Dichlorodifluoromethane
Concen: 17.377 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 85 Resp: 36481

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.2	48.6

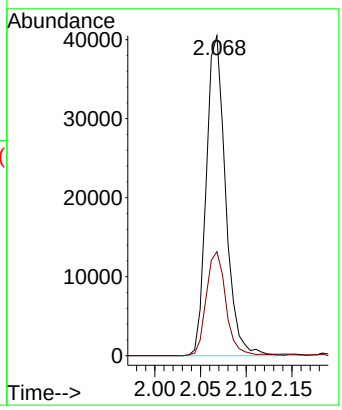




#3
Chloromethane
Concen: 20.037 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 50 Resp: 5915

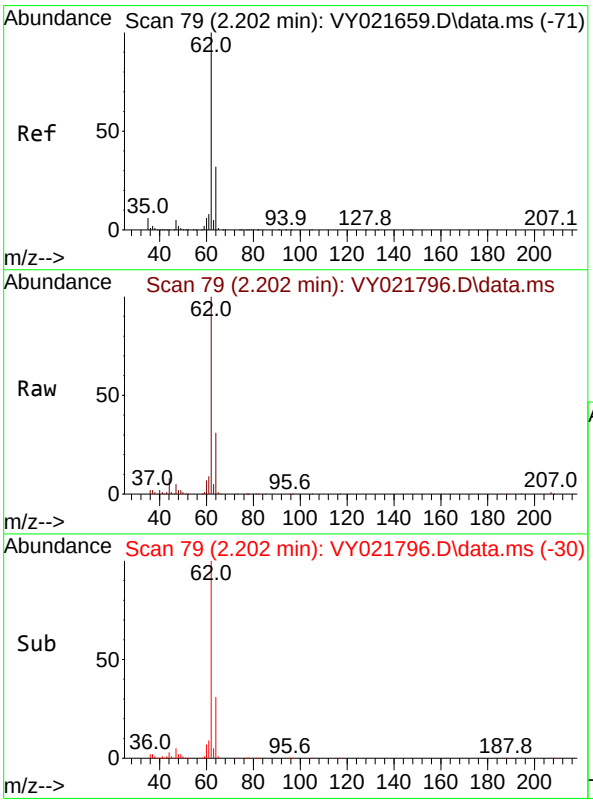
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

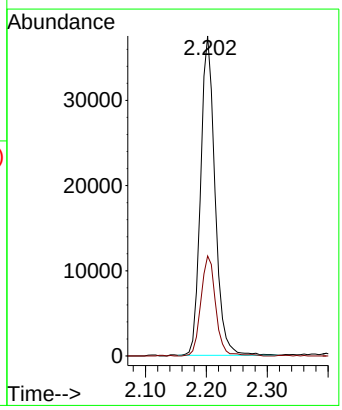
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

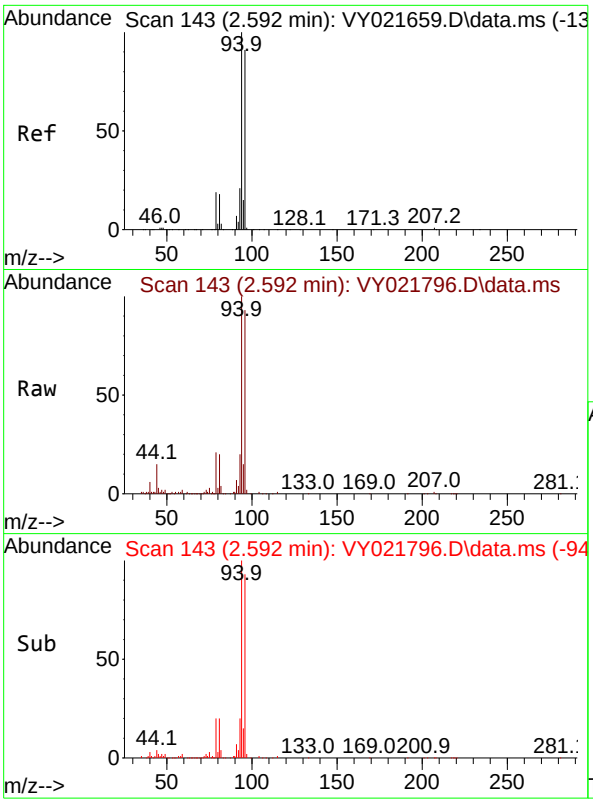


#4
Vinyl Chloride
Concen: 18.425 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 62 Resp: 61511

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.5	38.3

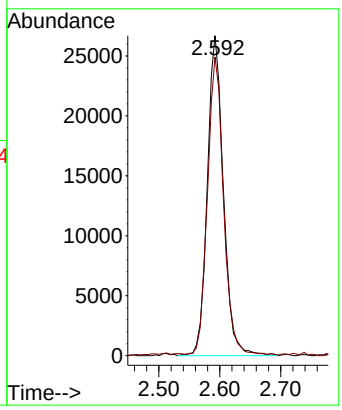




#5
Bromomethane
Concen: 21.494 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 94 Resp: 4894

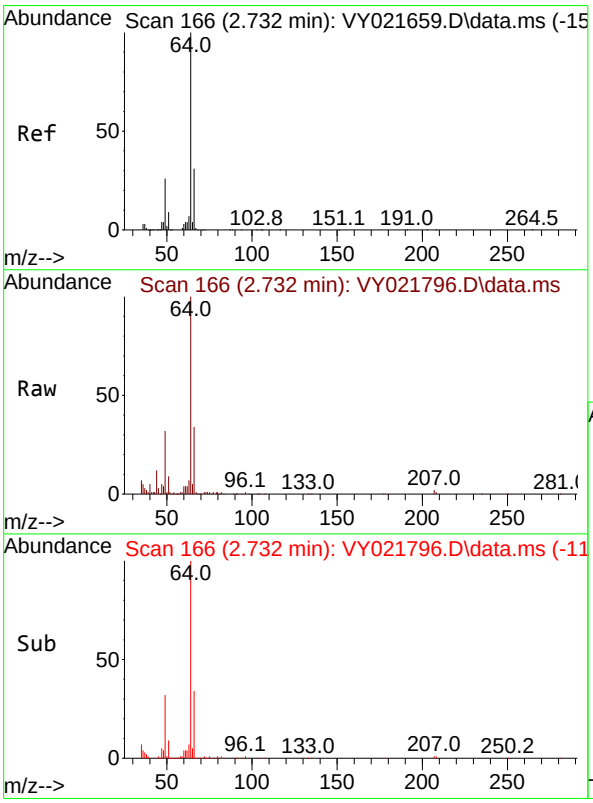
Ion	Ratio	Lower	Upper
94	100		
96	93.1	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

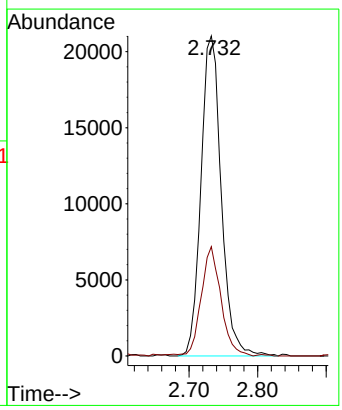
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

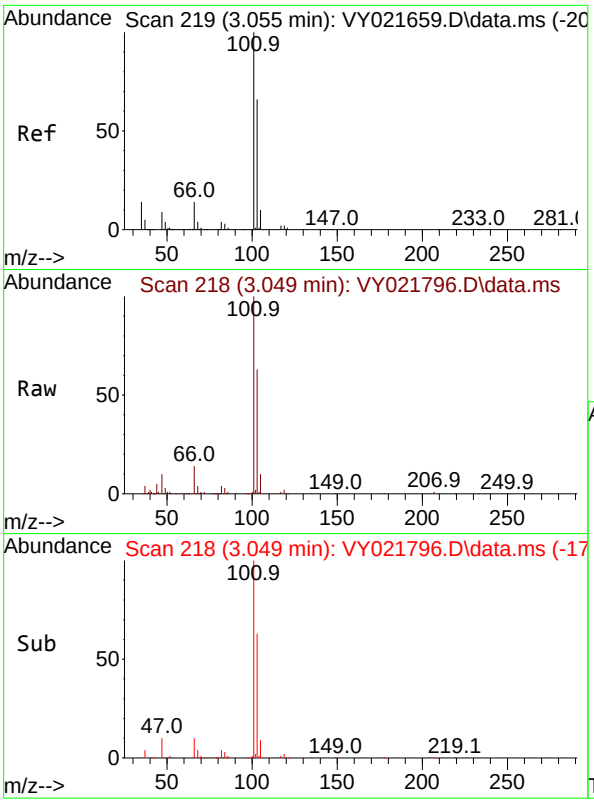


#6
Chloroethane
Concen: 19.831 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 64 Resp: 43322

Ion	Ratio	Lower	Upper
64	100		
66	34.2	24.9	37.3

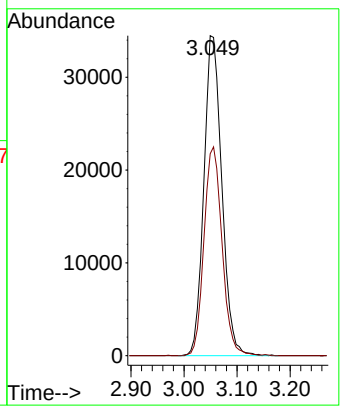




#7
Trichlorofluoromethane
Concen: 18.961 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:101 Resp: 8109

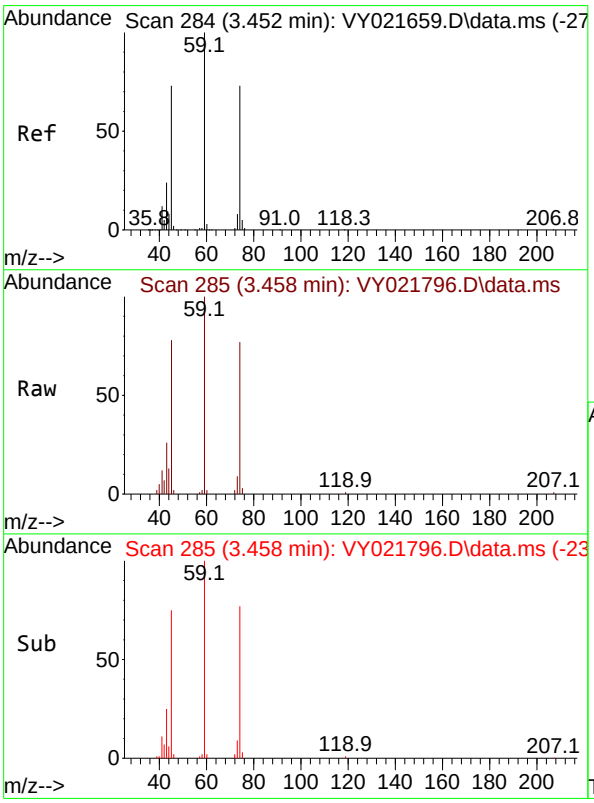
Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

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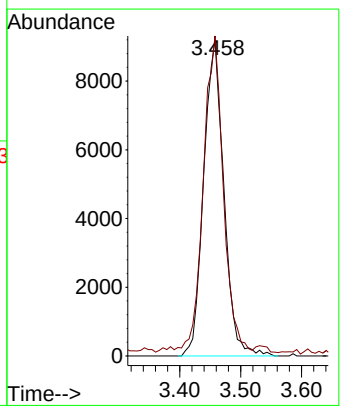
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

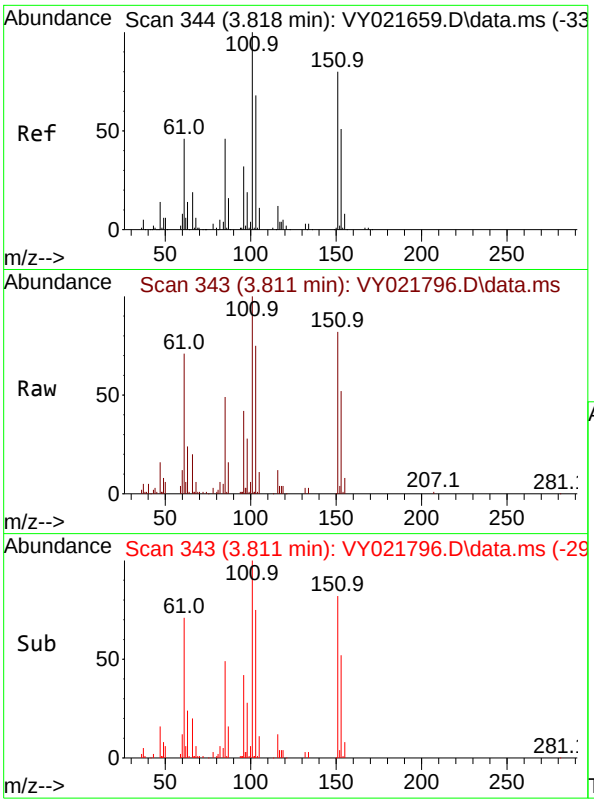


#8
Diethyl Ether
Concen: 18.227 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 74 Resp: 21199

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8

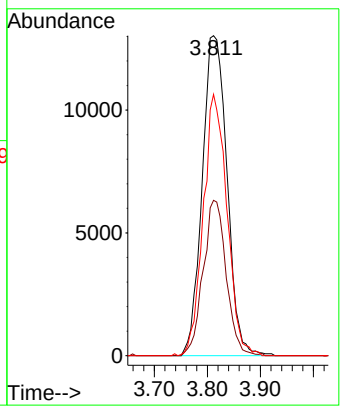




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.776 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

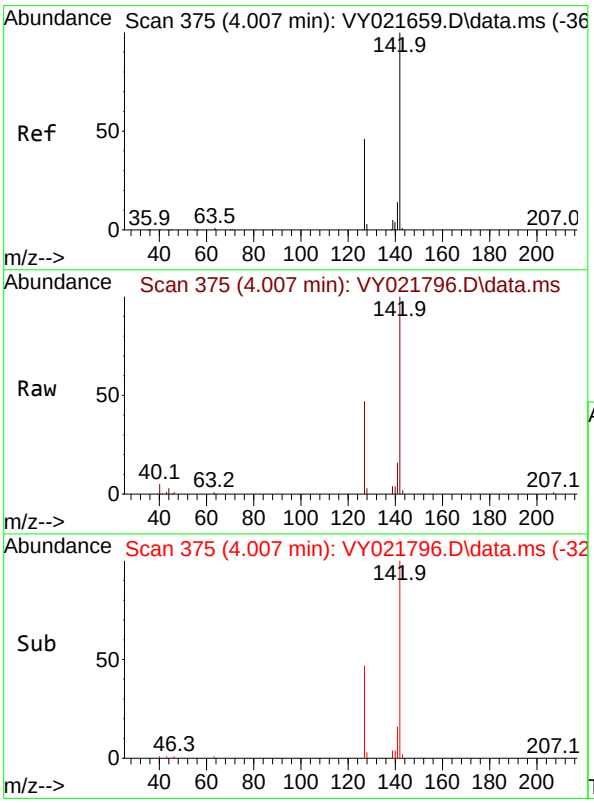
Tgt Ion:101 Resp: 4235

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.3	54.5
151	78.2	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

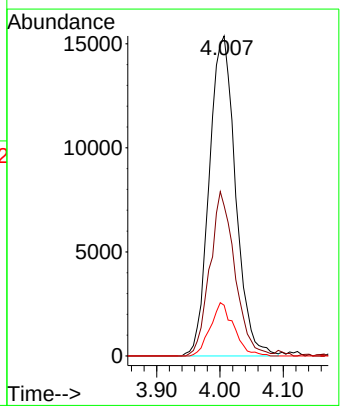
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

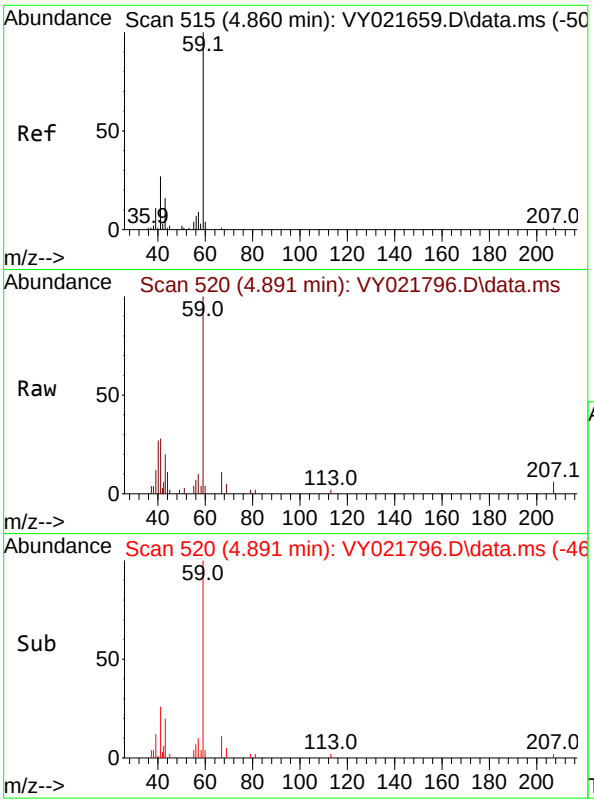


#10
Methyl Iodide
Concen: 17.931 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:142 Resp: 44371

Ion	Ratio	Lower	Upper
142	100		
127	48.7	38.7	58.1
141	15.1	11.5	17.3

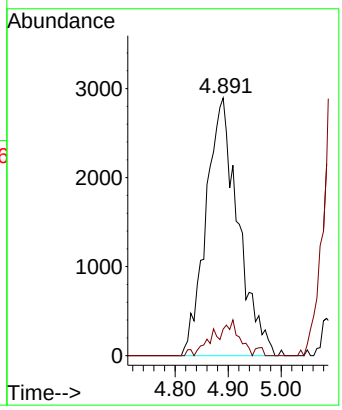




#11
Tert butyl alcohol
Concen: 85.320 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.031 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 59 Resp: 1216

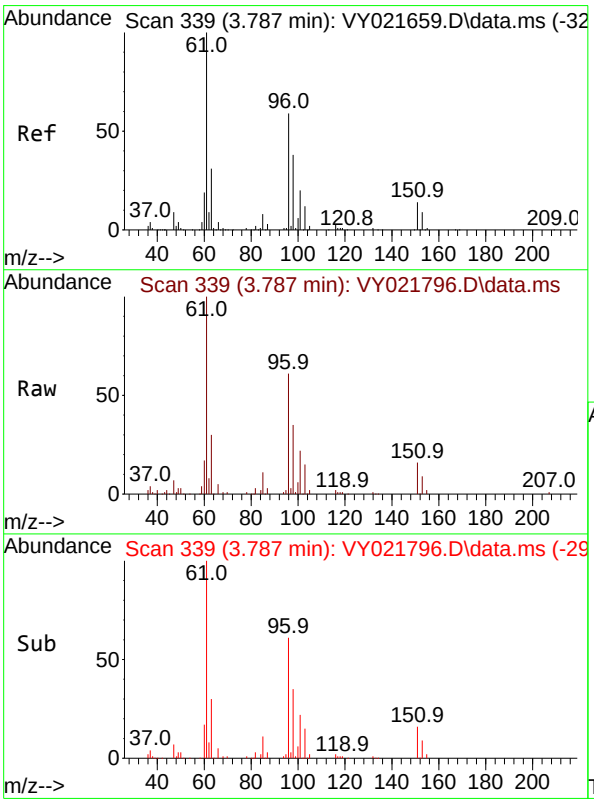
Ion	Ratio	Lower	Upper
59	100		
57	6.4	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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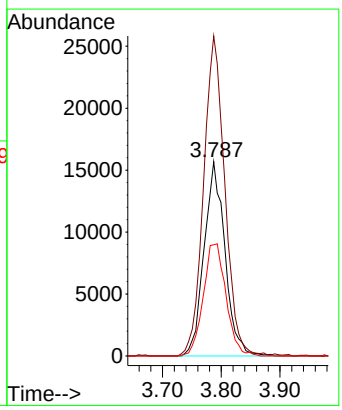
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

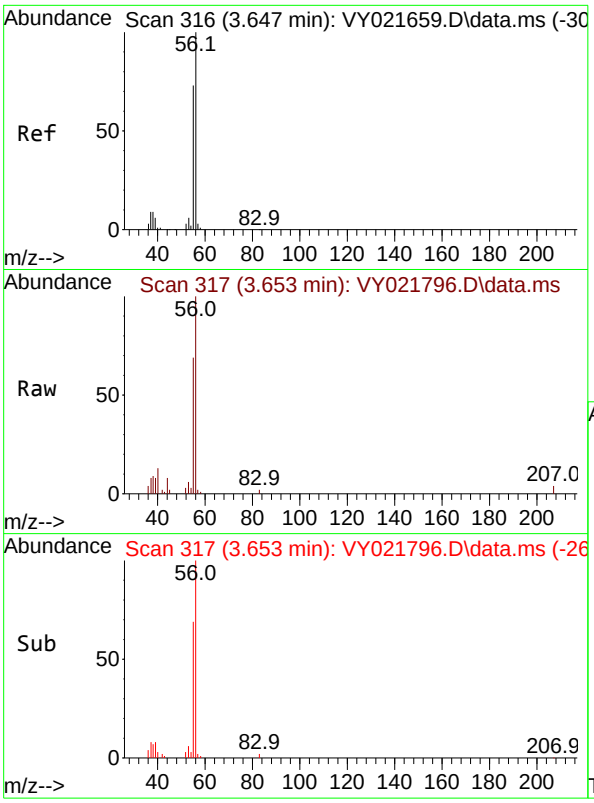


#12
1,1-Dichloroethene
Concen: 18.247 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 96 Resp: 38767

Ion	Ratio	Lower	Upper
96	100		
61	164.7	136.6	204.8
98	57.3	52.3	78.5

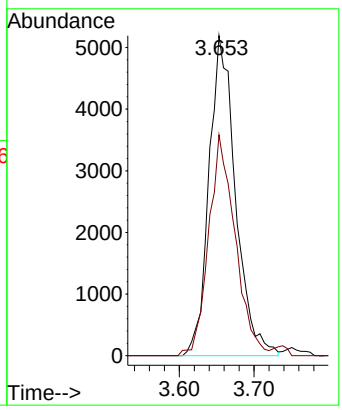




#13
Acrolein
Concen: 49.166 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 56 Resp: 1279

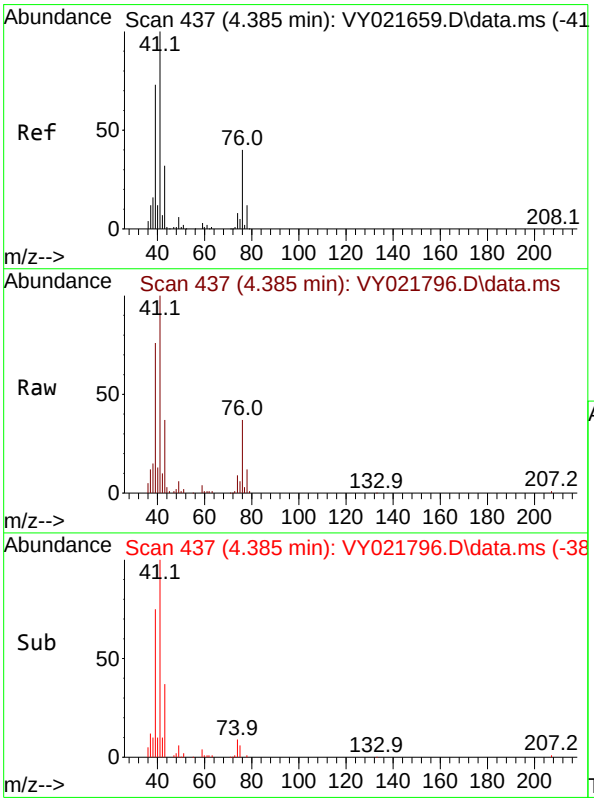
Ion	Ratio	Lower	Upper
56	100		
55	69.0	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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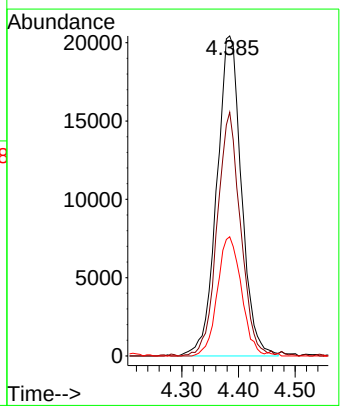
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

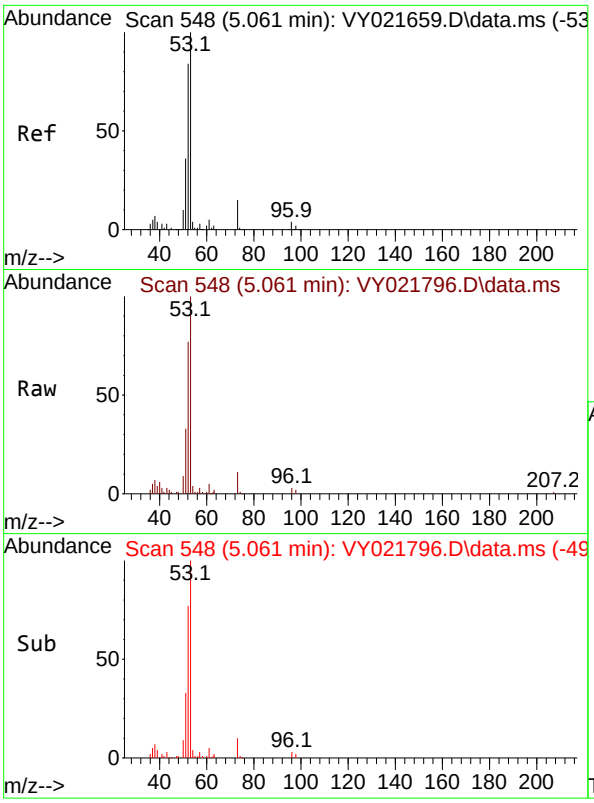


#14
Allyl chloride
Concen: 18.233 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 41 Resp: 61765

Ion	Ratio	Lower	Upper
41	100		
39	72.0	58.6	88.0
76	36.5	30.3	45.5

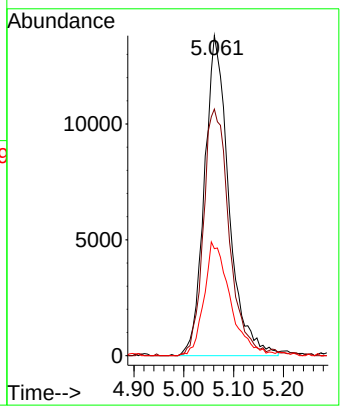




#15
Acrylonitrile
Concen: 96.790 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 53 Resp: 4700

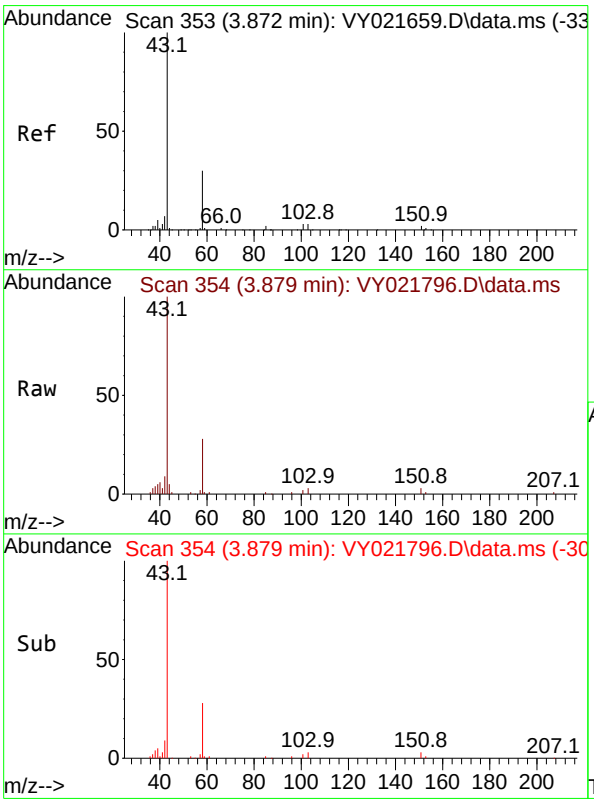
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.9	97.3
51	38.1	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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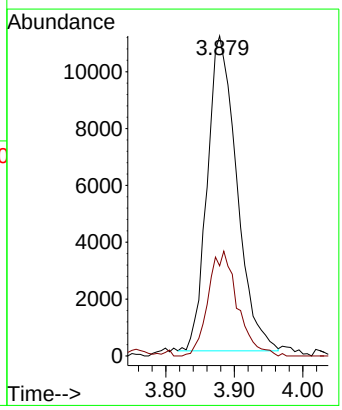
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

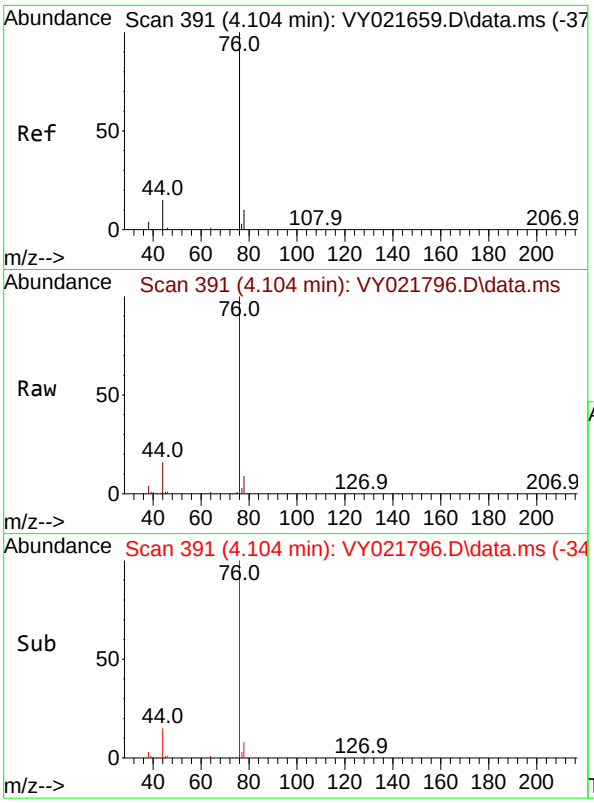


#16
Acetone
Concen: 73.773 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 33135

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4

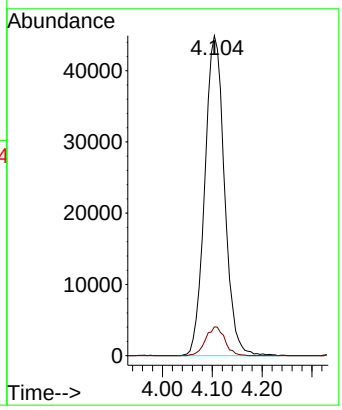




#17
Carbon Disulfide
Concen: 17.610 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 76 Resp: 12323

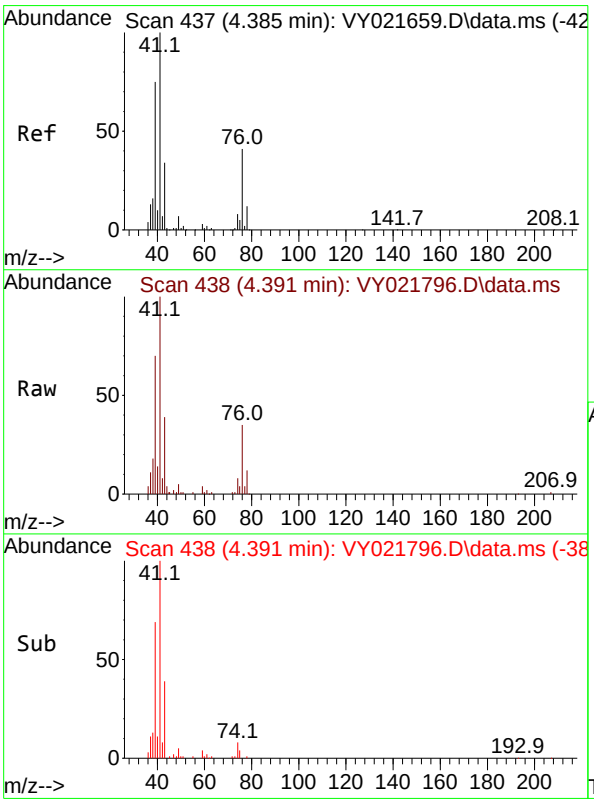
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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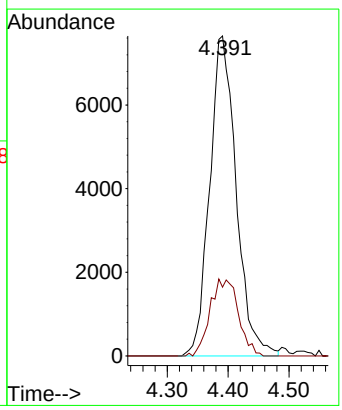
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

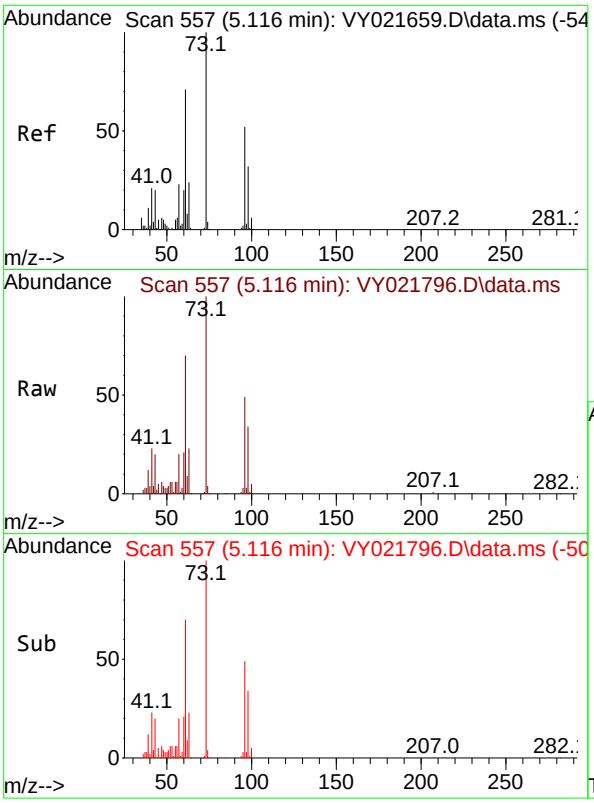


#18
Methyl Acetate
Concen: 20.791 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 23144

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 18.352 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

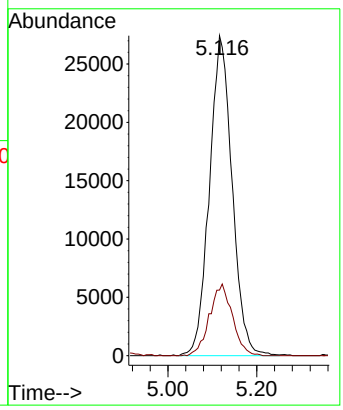
Tgt Ion: 73 Resp: 9707

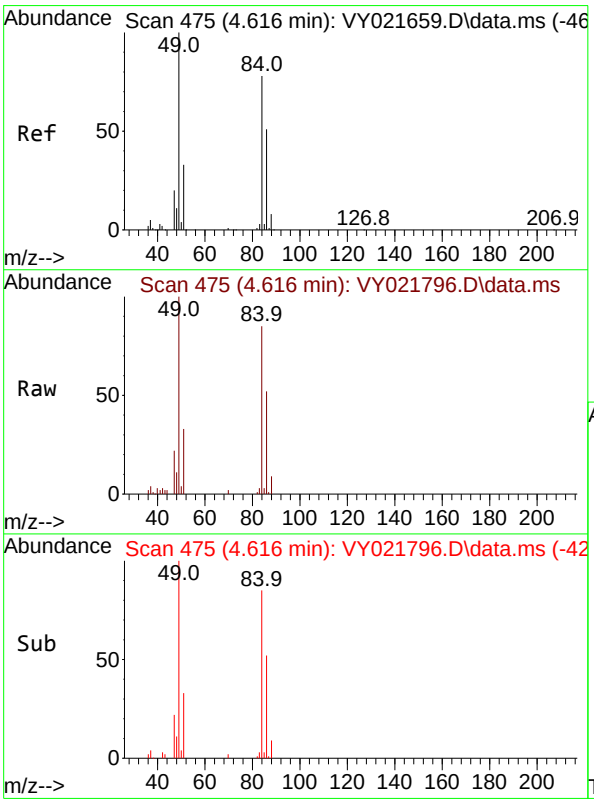
Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.1	27.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

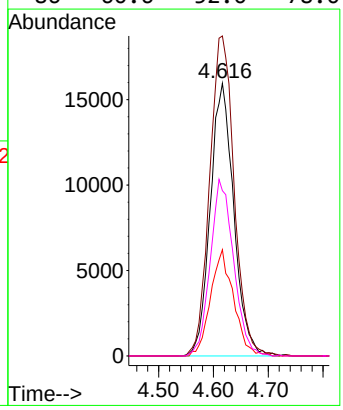


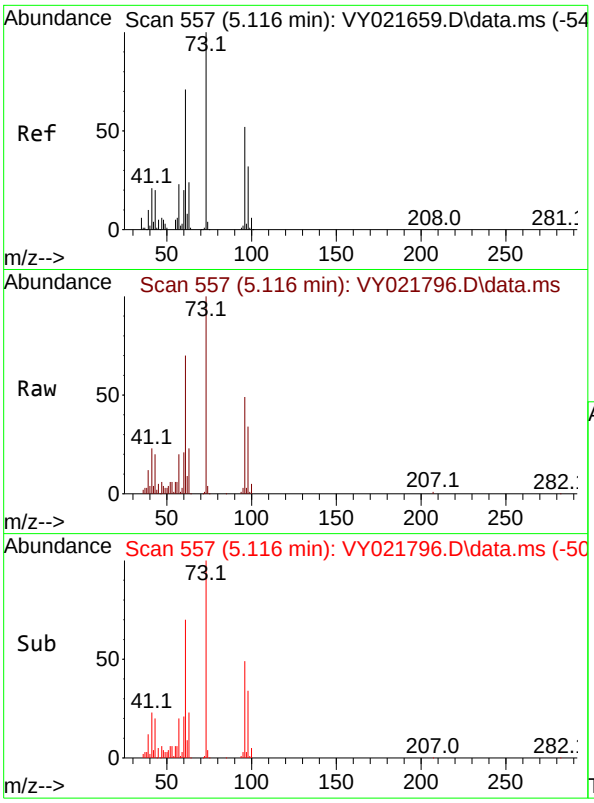


#20
Methylene Chloride
Concen: 19.254 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 84 Resp: 47543

Ion	Ratio	Lower	Upper
84	100		
49	117.4	102.8	154.2
51	39.0	33.5	50.3
86	60.6	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 18.687 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

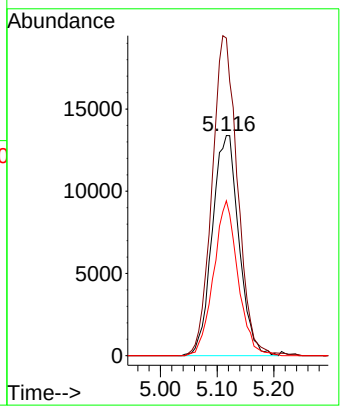
Tgt Ion: 96 Resp: 4371

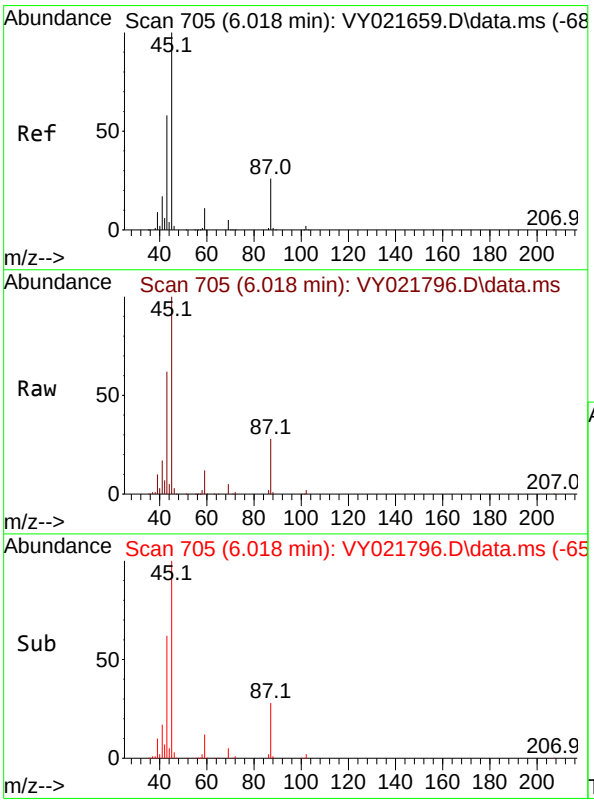
Ion	Ratio	Lower	Upper
96	100		
61	144.3	109.4	164.0
98	70.4	50.2	75.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

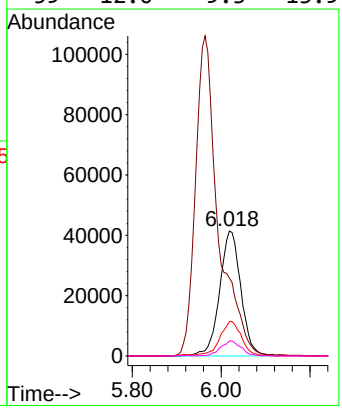


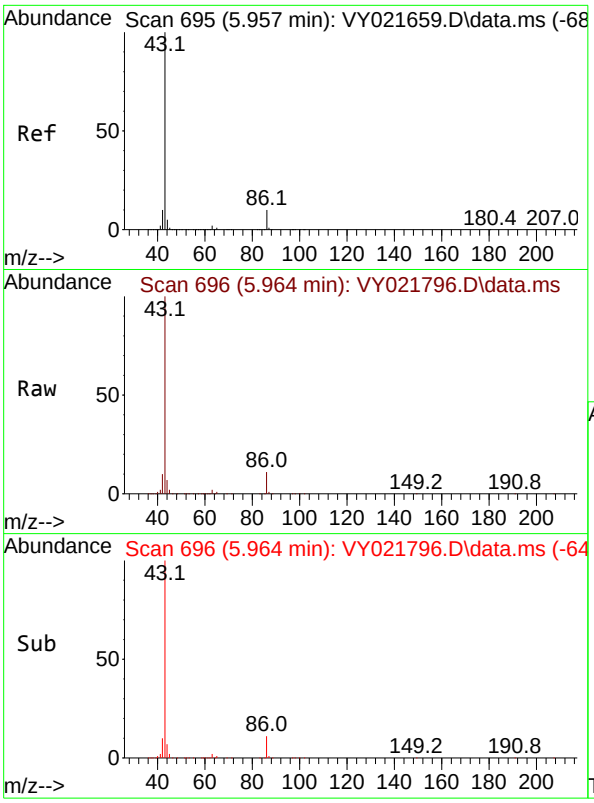


#22
Diisopropyl ether
Concen: 19.324 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 45 Resp: 137320

Ion	Ratio	Lower	Upper
45	100		
43	61.3	46.6	69.8
87	27.5	20.7	31.1
59	12.0	9.3	13.9

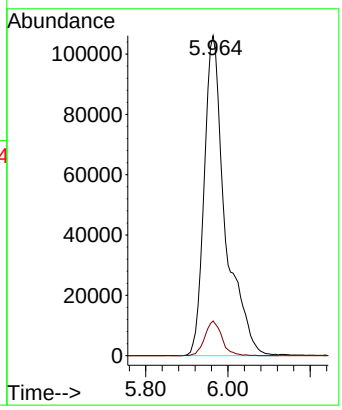




#23
Vinyl Acetate
Concen: 90.951 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 37808

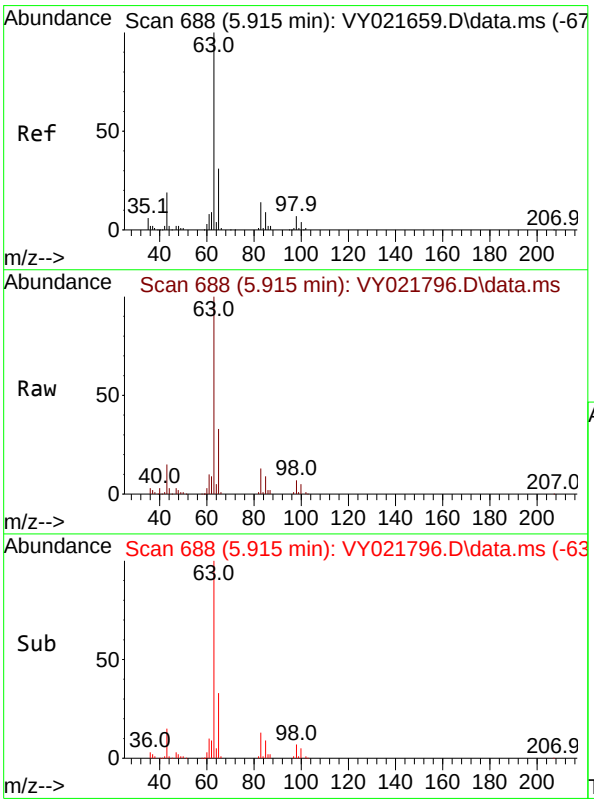
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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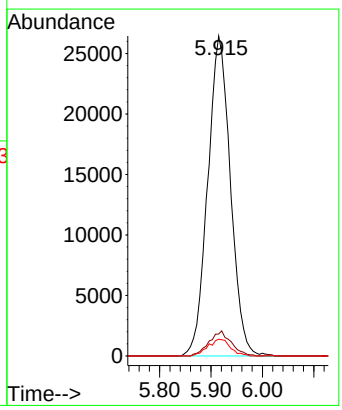
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

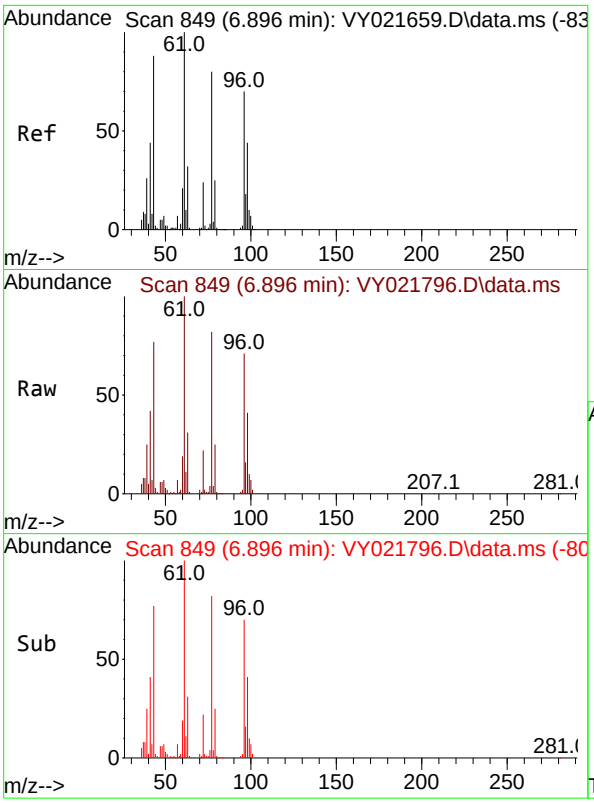


#24
1,1-Dichloroethane
Concen: 19.127 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 63 Resp: 81273

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	5.3	2.2	6.6





#25
2-Butanone
Concen: 85.526 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

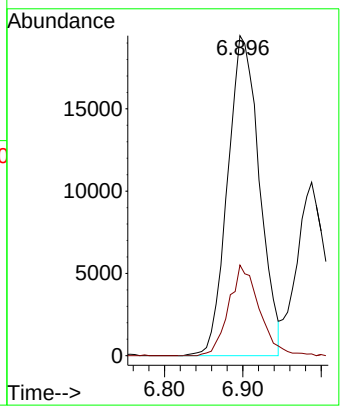
Tgt Ion: 43 Resp: 5486

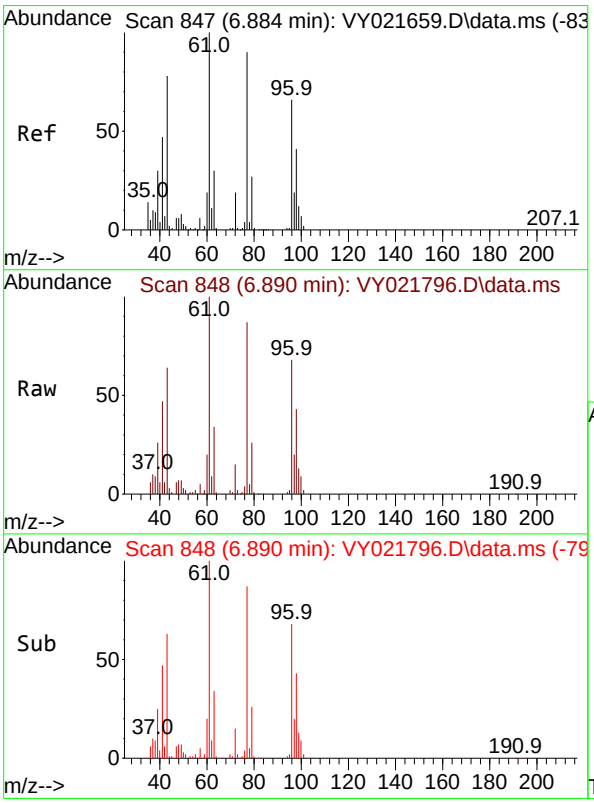
Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

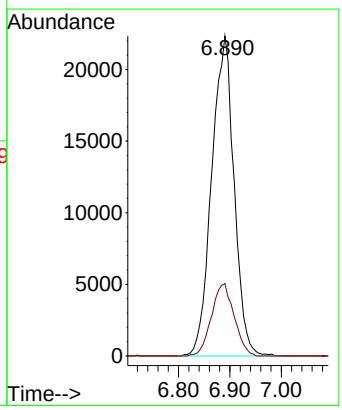


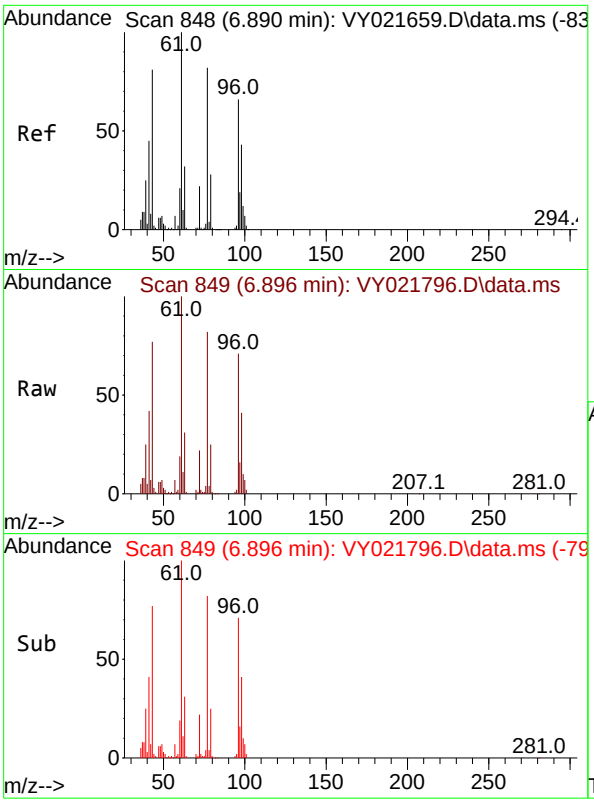


#26
2,2-Dichloropropane
Concen: 17.837 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 77 Resp: 67416

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 18.874 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

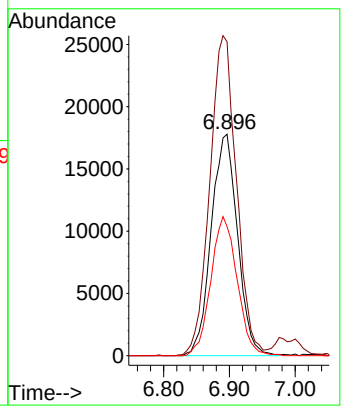
Tgt Ion: 96 Resp: 4965

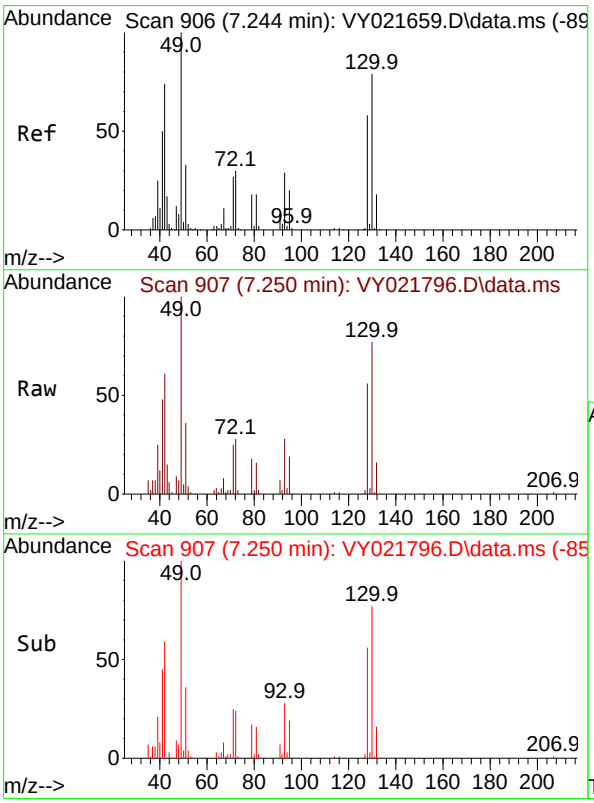
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	296.4
98	62.6	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

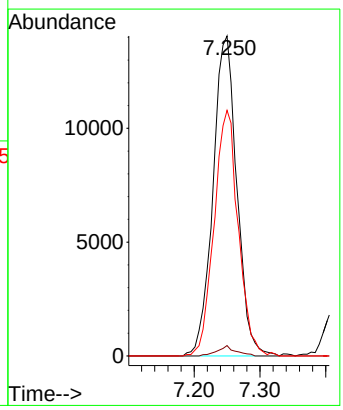


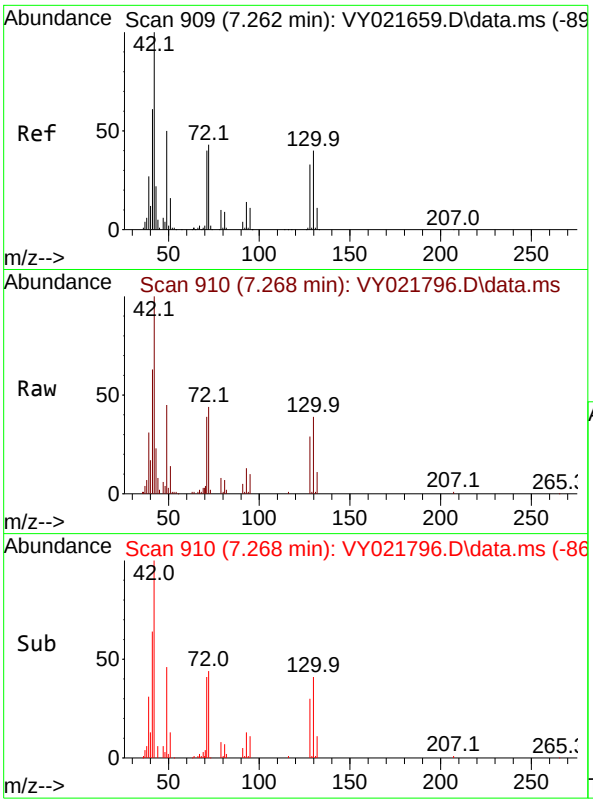


#28
Bromochloromethane
Concen: 19.870 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 49 Resp: 35606

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	77.4	60.1	90.1

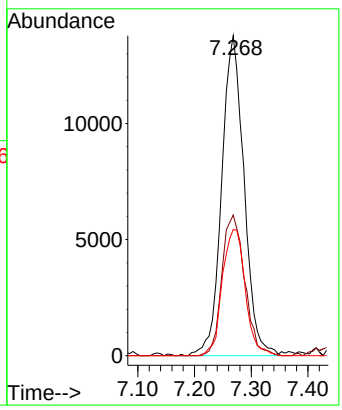




#29
Tetrahydrofuran
Concen: 91.436 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 42 Resp: 3775

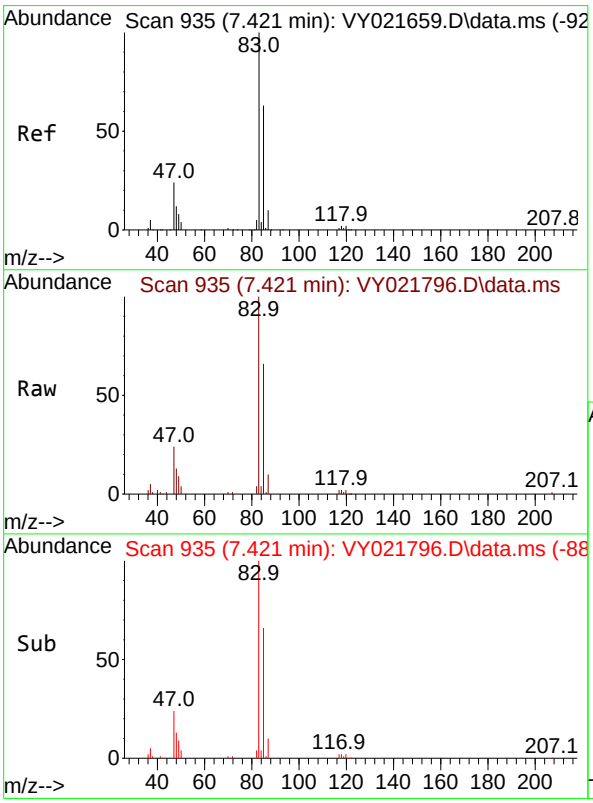
Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	52.0
71	40.4	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

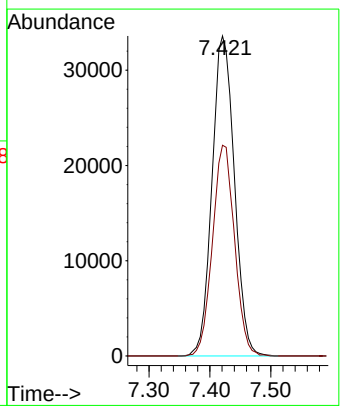
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

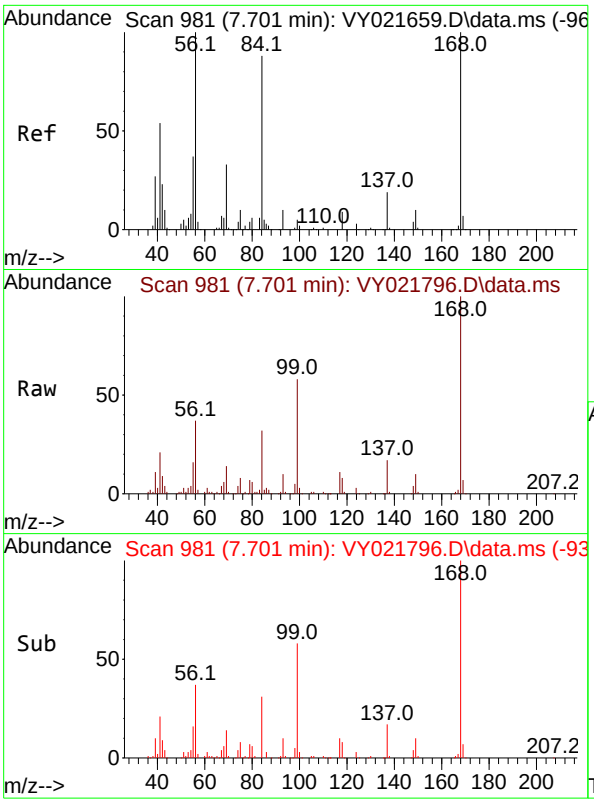


#30
Chloroform
Concen: 19.386 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 83 Resp: 85674

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.6	75.8

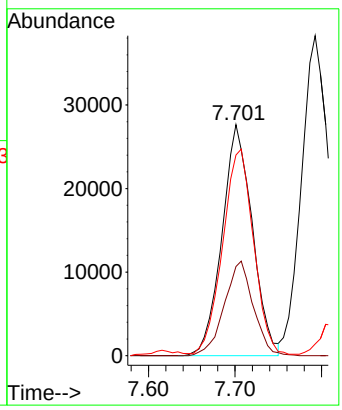




#31
Cyclohexane
Concen: 17.333 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 56 Resp: 6713

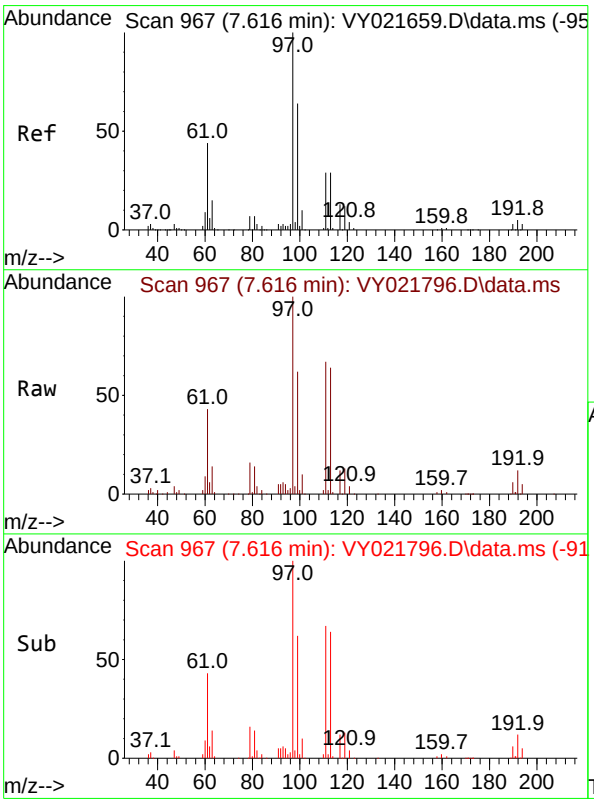
Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.6	40.0
84	85.2	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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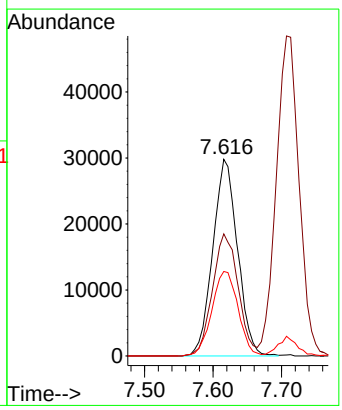
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

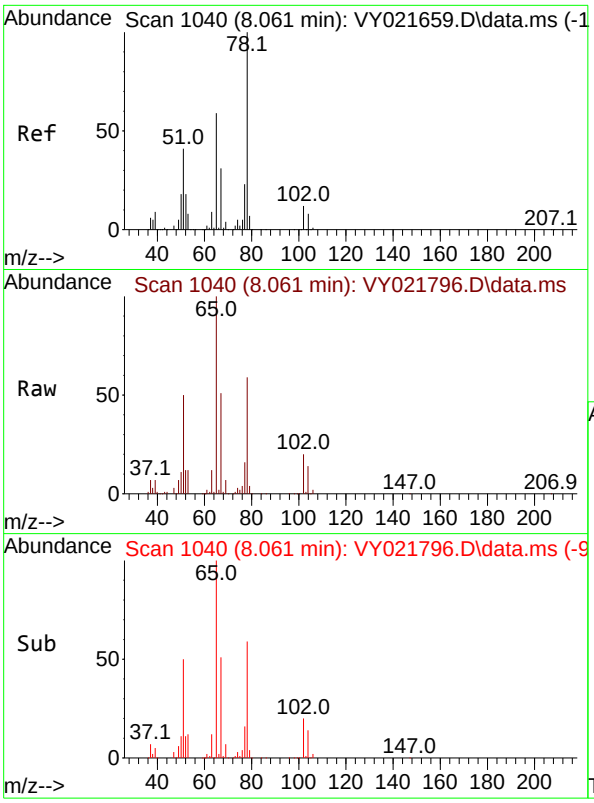


#32
1,1,1-Trichloroethane
Concen: 18.687 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 97 Resp: 74644

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.7	76.1
61	45.4	35.2	52.8

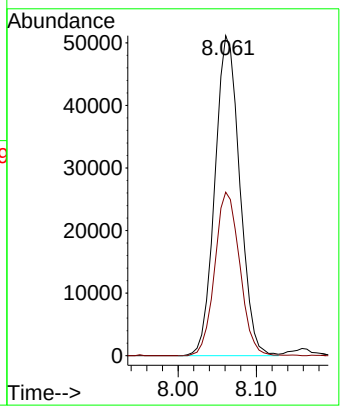




#33
1,2-Dichloroethane-d4
Concen: 51.360 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 65 Resp: 11271

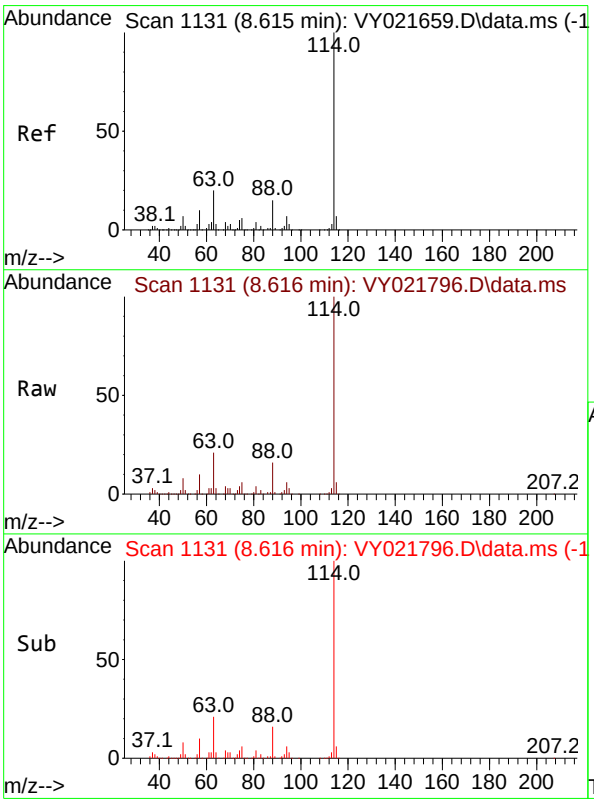
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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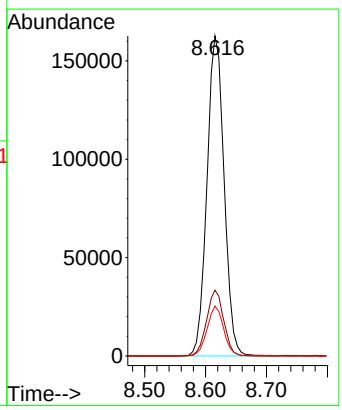
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

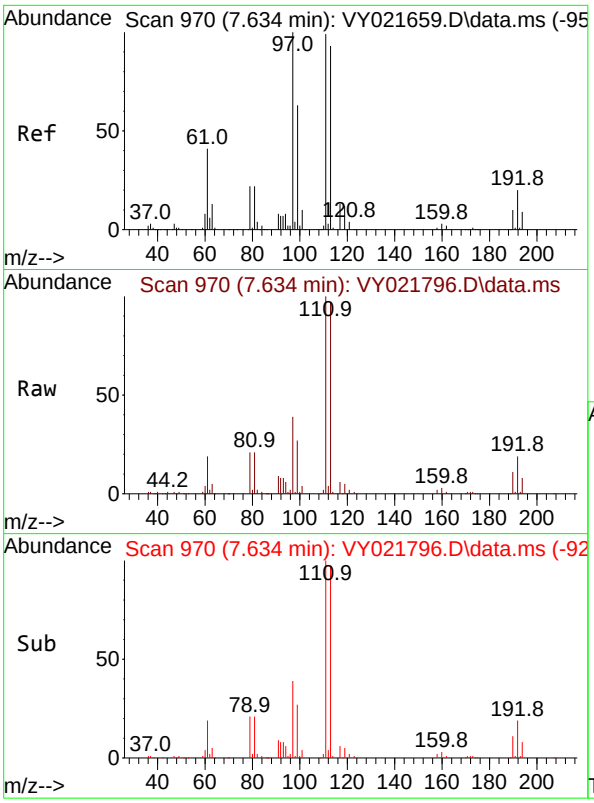


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:114 Resp: 317911

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.6	0.0	29.8

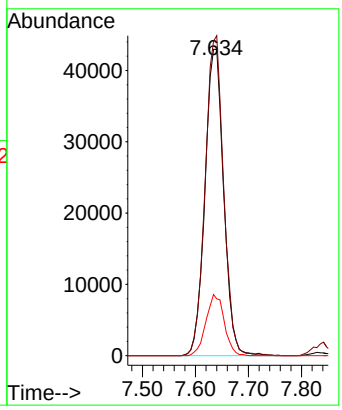




#35
Dibromofluoromethane
Concen: 51.133 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:113 Resp: 10544

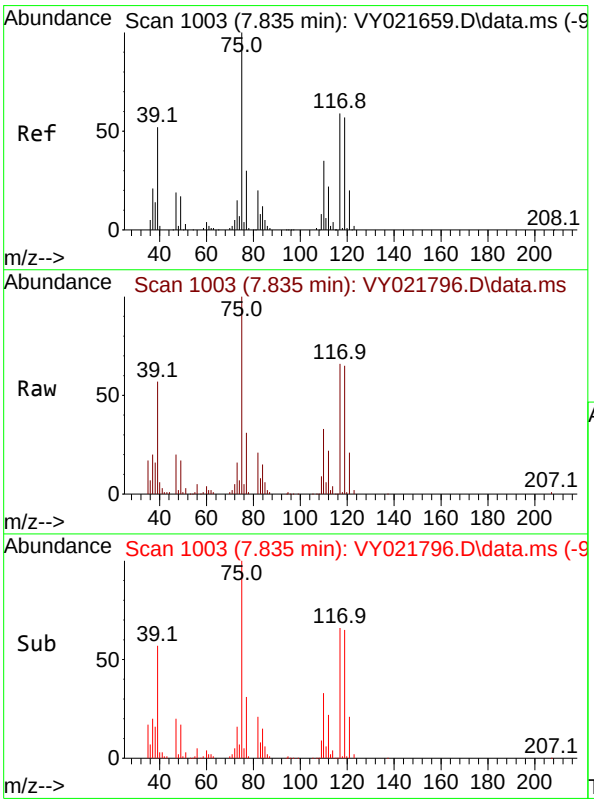
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.5	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
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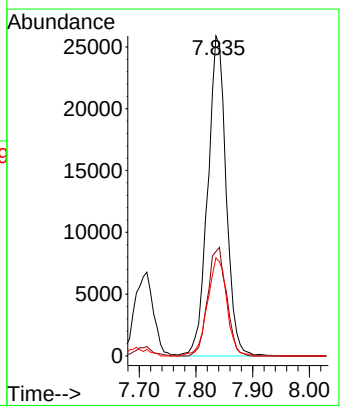
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

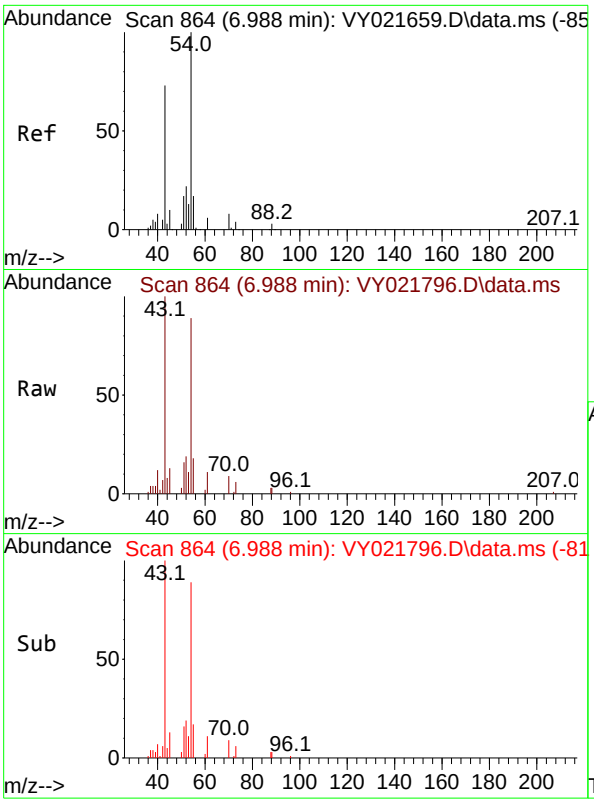


#36
1,1-Dichloropropene
Concen: 18.597 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 58414

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	50.9
77	32.2	24.8	37.2





#37
Ethyl Acetate
Concen: 18.694 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

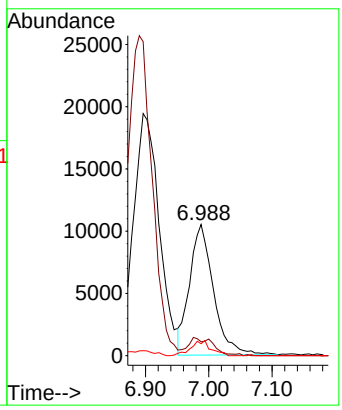
Tgt Ion: 43 Resp: 2771

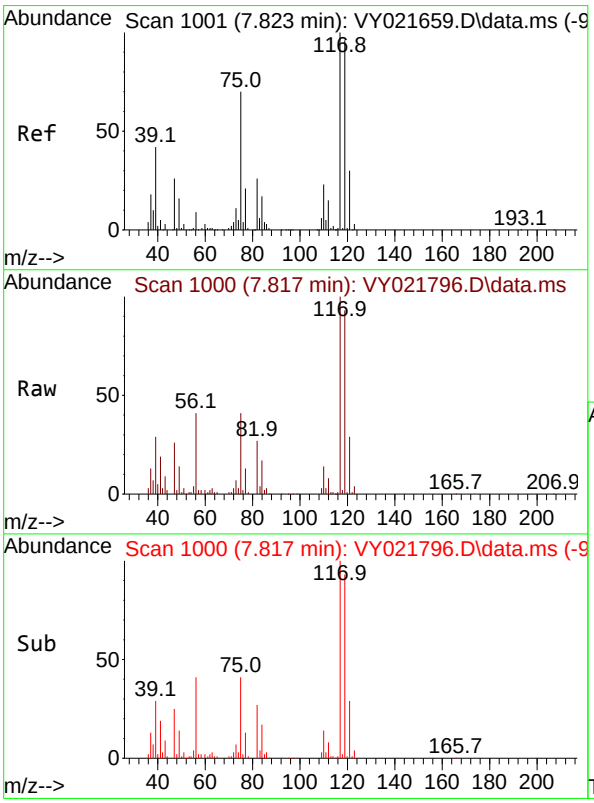
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	9.6	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

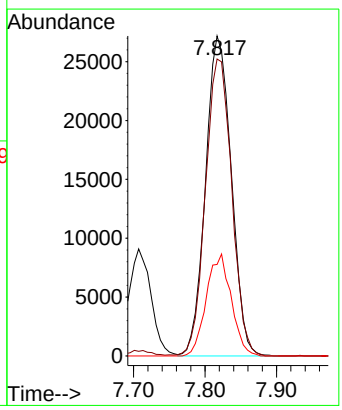


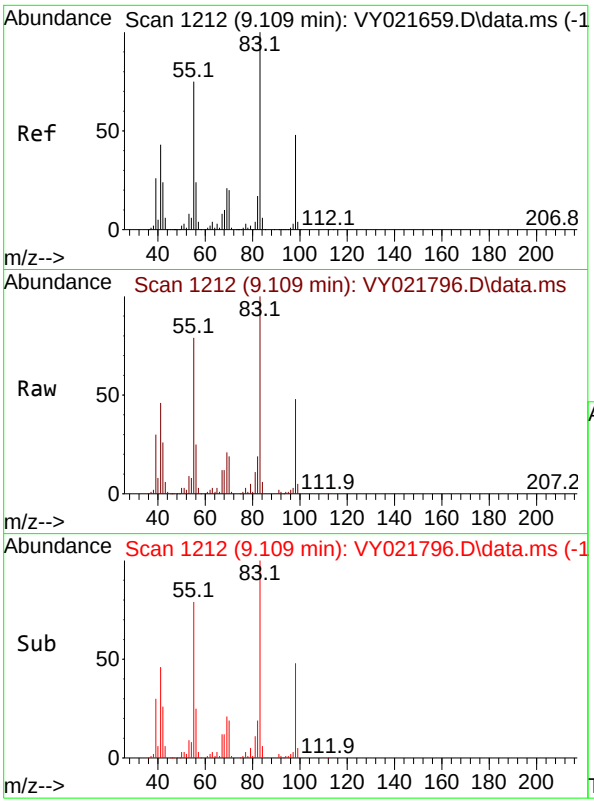


#38
Carbon Tetrachloride
Concen: 18.934 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:117 Resp: 68118

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.2	114.4
121	28.6	24.2	36.4





#39
Methylcyclohexane
Concen: 17.939 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

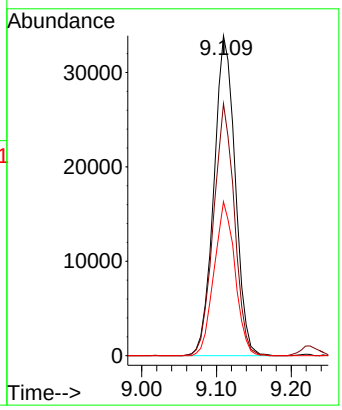
Tgt Ion: 83 Resp: 6731

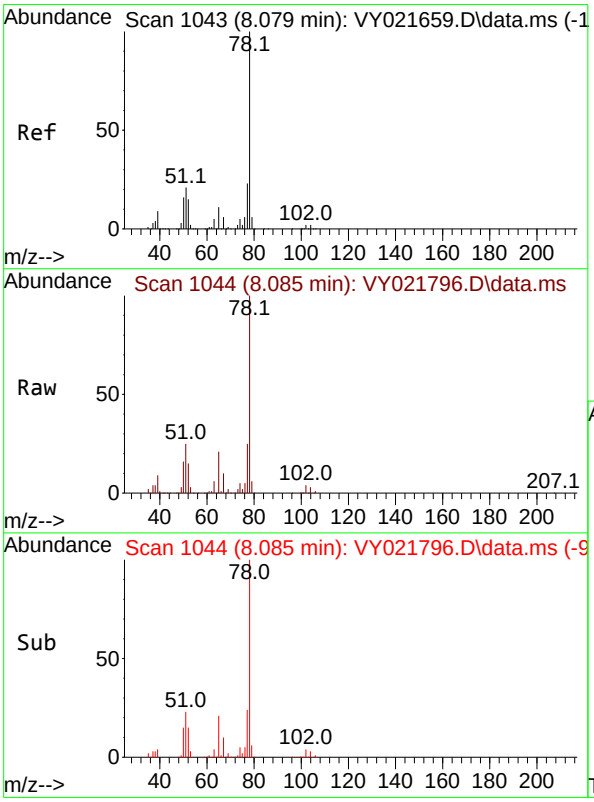
Ion	Ratio	Lower	Upper
83	100		
55	78.8	59.7	89.5
98	48.1	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

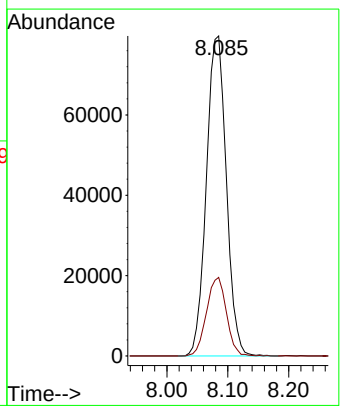


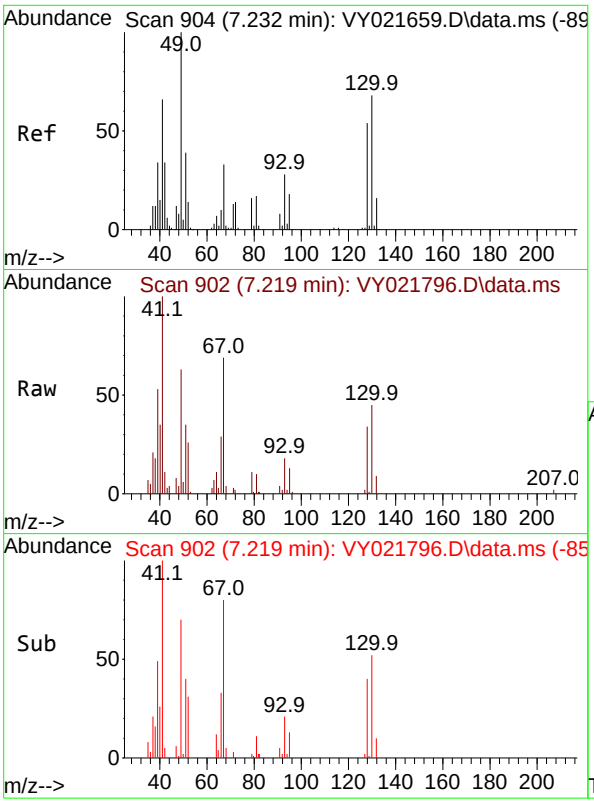


#40
Benzene
Concen: 19.264 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 78 Resp: 181213

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2

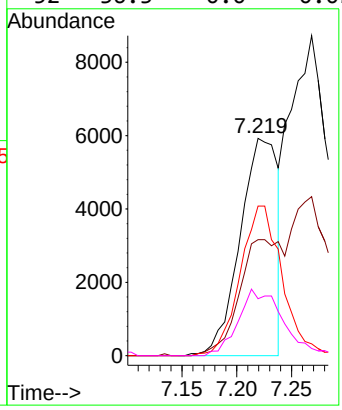




#41
Methacrylonitrile
Concen: 17.999 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 41 Resp: 1417

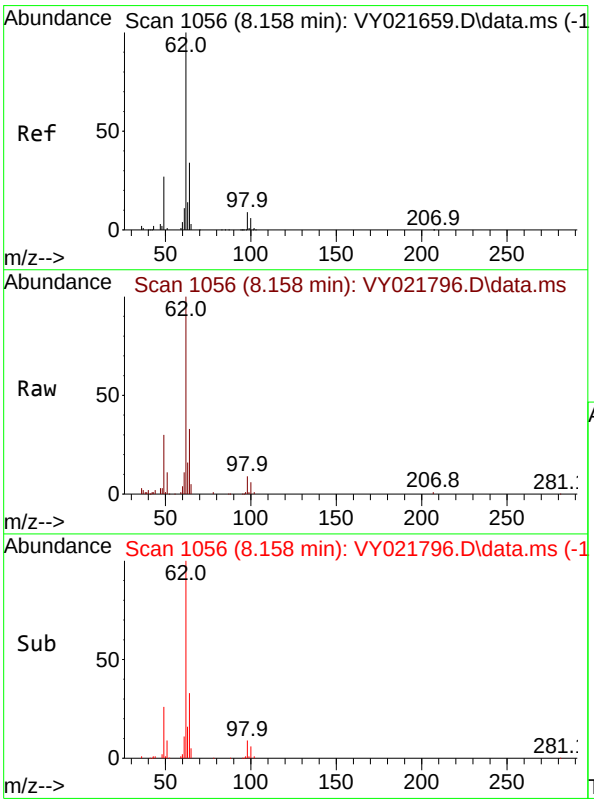
Ion	Ratio	Lower	Upper
41	100		
39	62.3	0.0	0.0#
67	77.1	0.0	0.0#
52	36.3	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

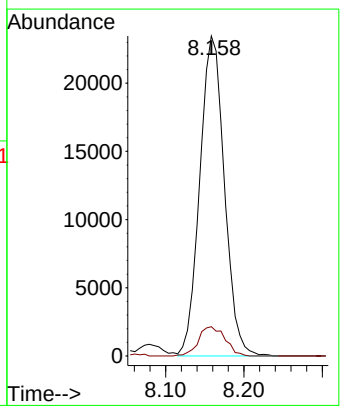
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

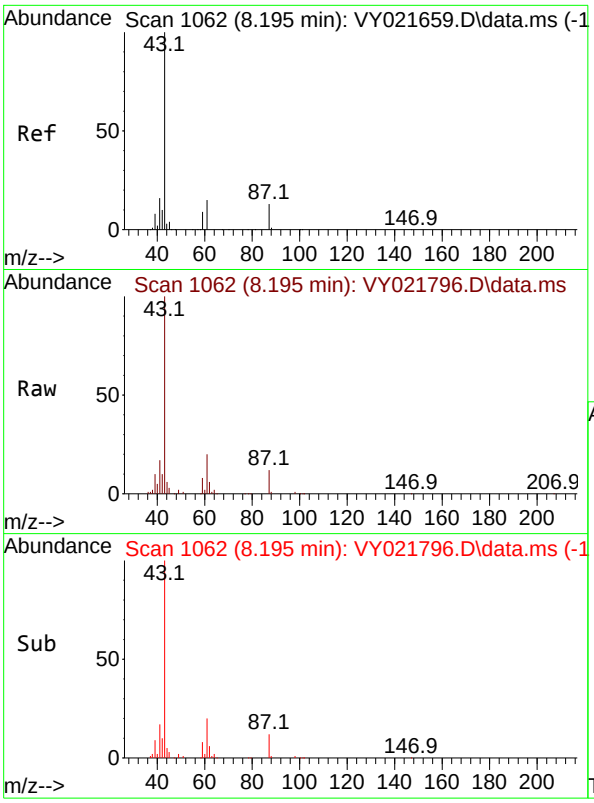


#42
1,2-Dichloroethane
Concen: 19.317 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 62 Resp: 51227

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4





#43
Isopropyl Acetate
Concen: 18.225 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

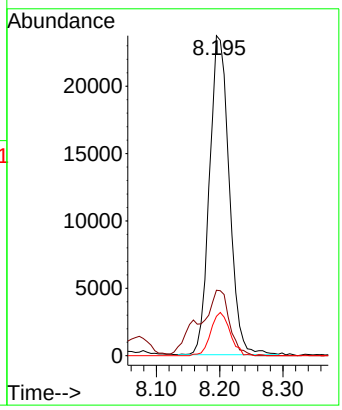
Tgt Ion: 43 Resp: 5119

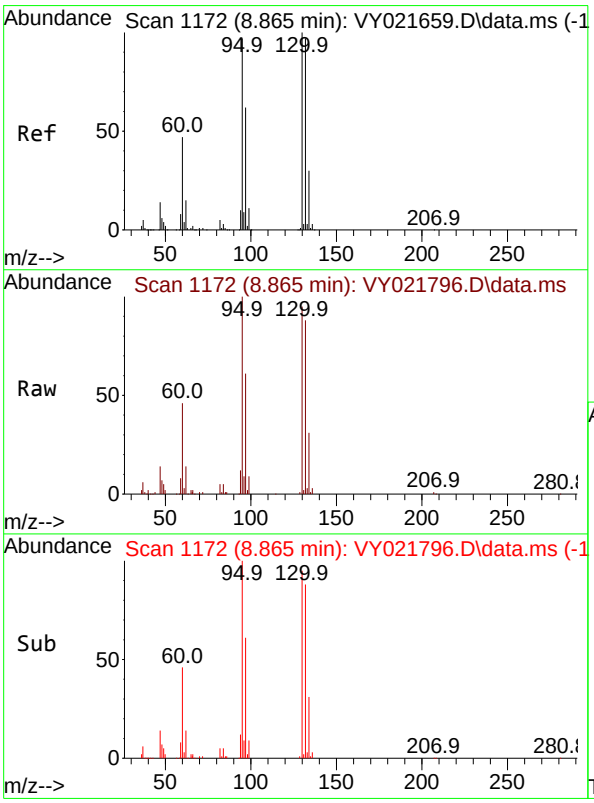
Ion	Ratio	Lower	Upper
43	100		
61	21.9	15.9	23.9
87	13.2	10.4	15.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

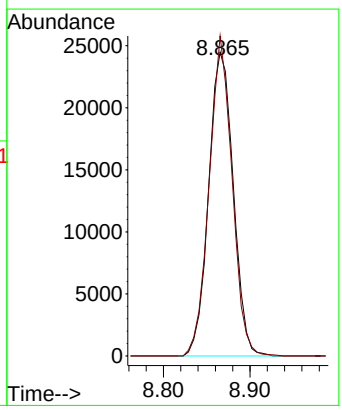


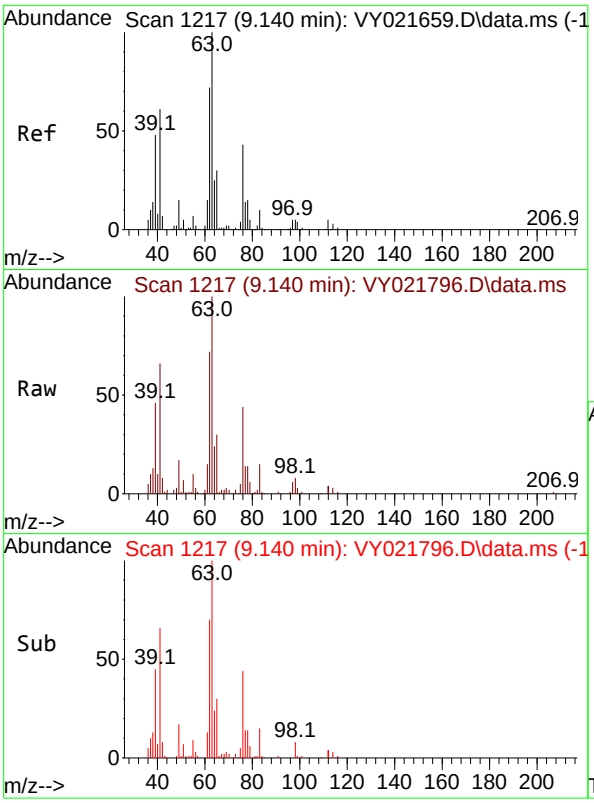


#44
Trichloroethene
Concen: 20.156 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:130 Resp: 48310

Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	194.8

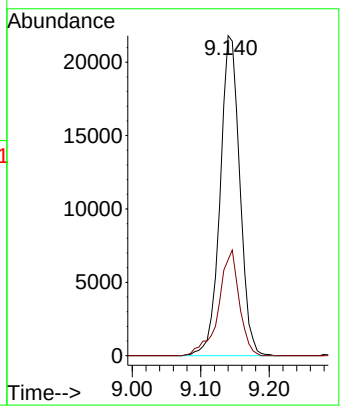




#45
1,2-Dichloropropane
Concen: 19.451 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 63 Resp: 4331

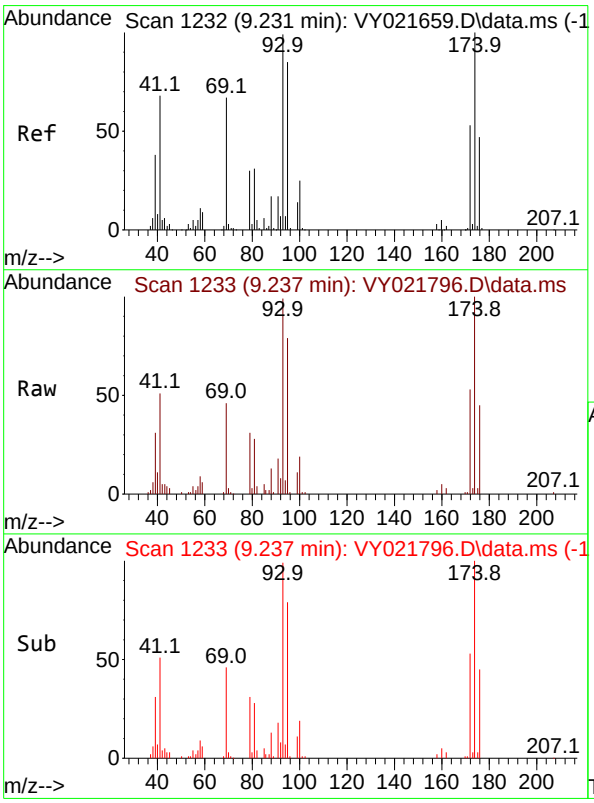
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

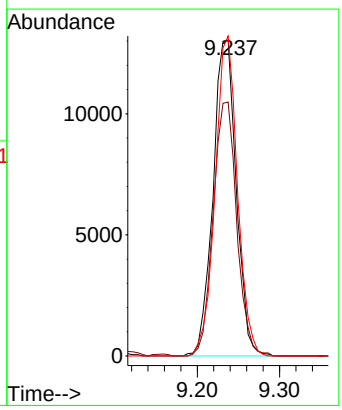
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

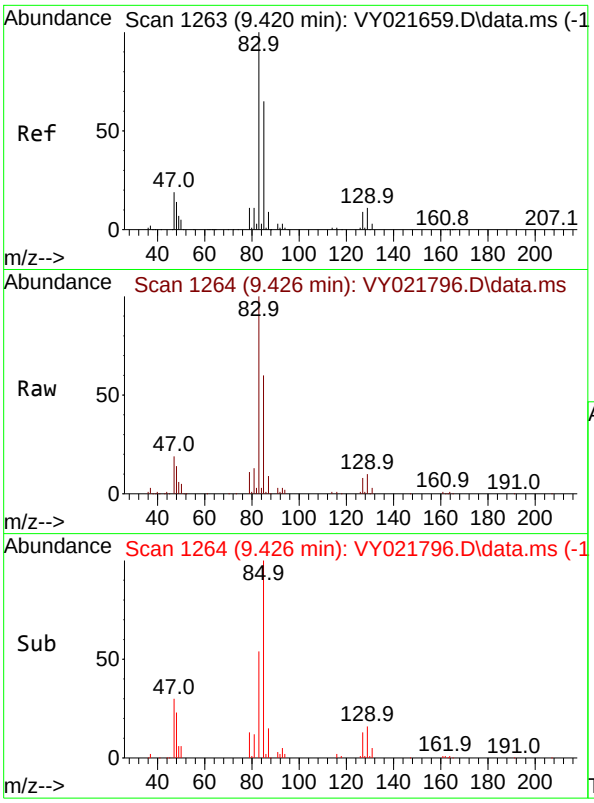


#46
Dibromomethane
Concen: 19.965 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 93 Resp: 25621

Ion	Ratio	Lower	Upper
93	100		
95	81.5	68.1	102.1
174	97.1	80.9	121.3

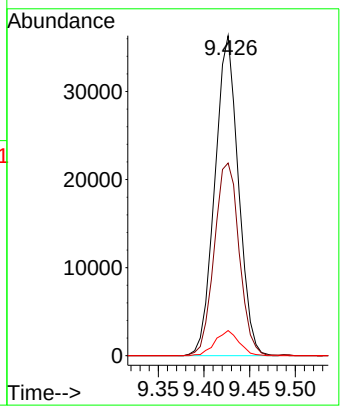




#47
Bromodichloromethane
Concen: 19.610 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 83 Resp: 6520

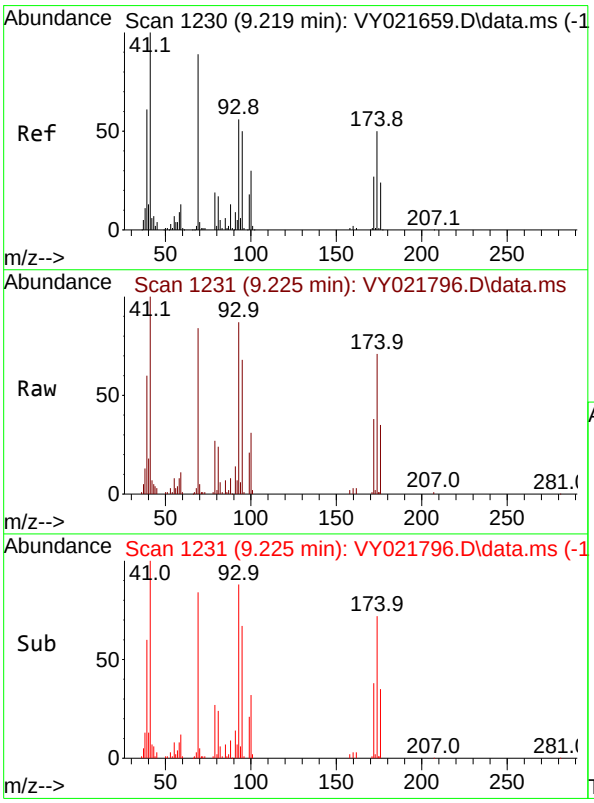
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.6
127	7.9	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

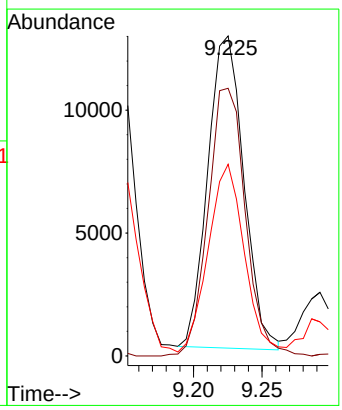
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

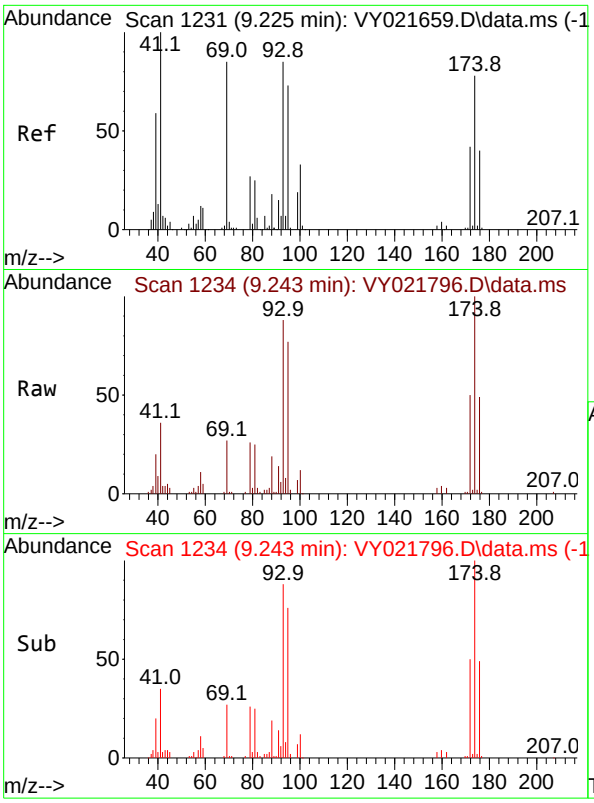


#48
Methyl methacrylate
Concen: 18.008 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 41 Resp: 23219

Ion	Ratio	Lower	Upper
41	100		
69	89.0	69.8	104.8
39	60.4	47.2	70.8

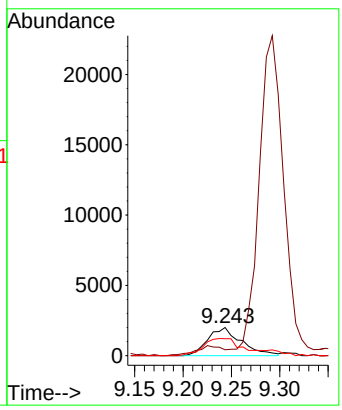




#49
1,4-Dioxane
Concen: 351.345 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 88 Resp: 483

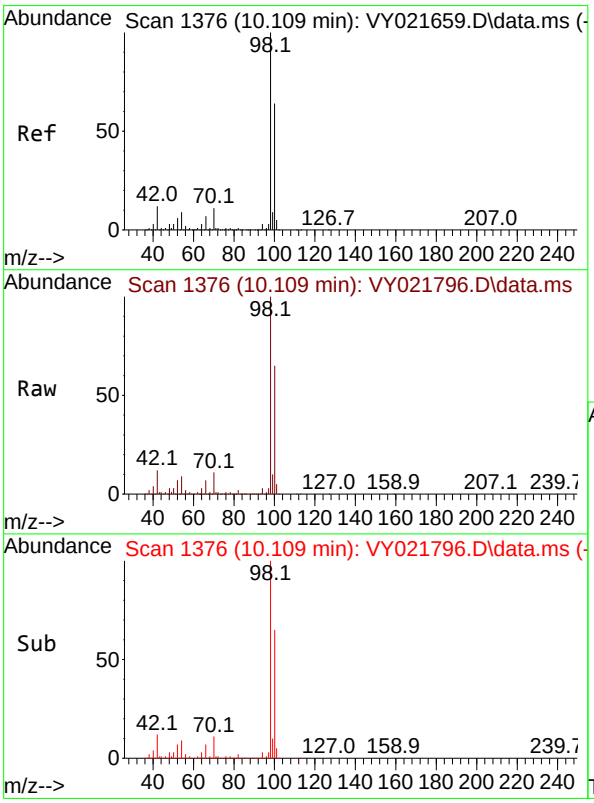
Ion	Ratio	Lower	Upper
88	100		
43	27.8	28.8	43.2
58	69.6	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

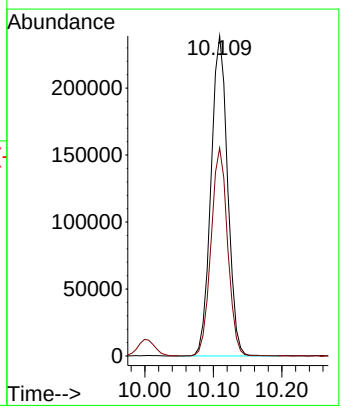
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

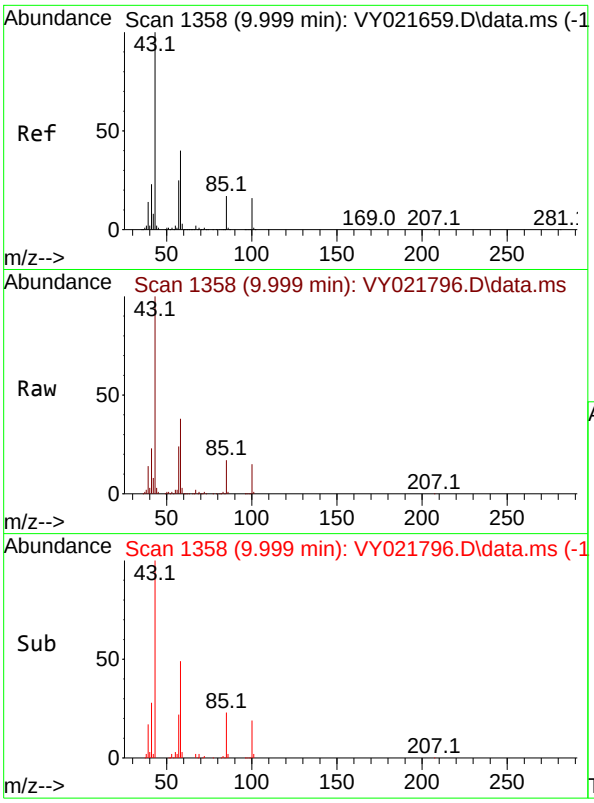


#50
Toluene-d8
Concen: 51.267 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 98 Resp: 402207

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

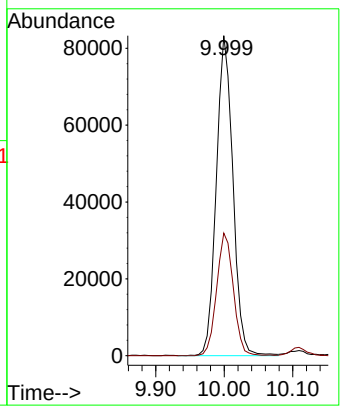




#51
4-Methyl-2-Pentanone
Concen: 95.649 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 13983

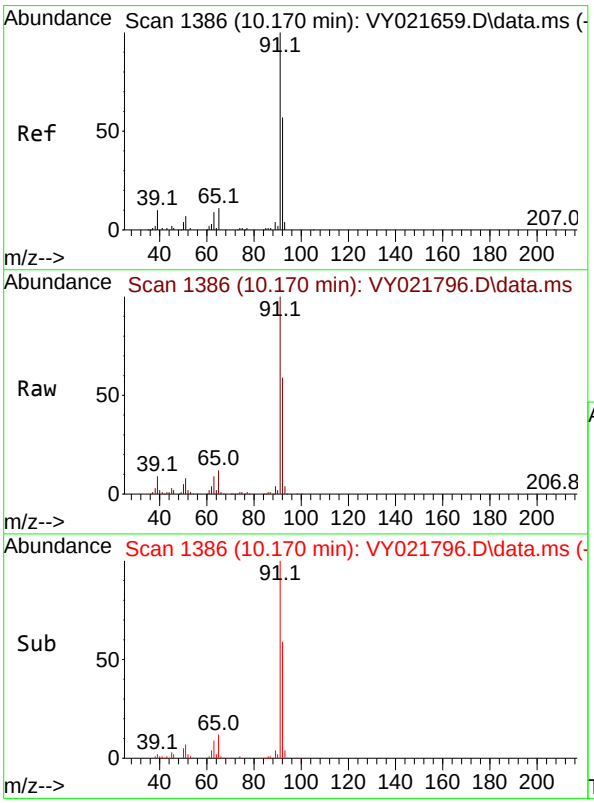
Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

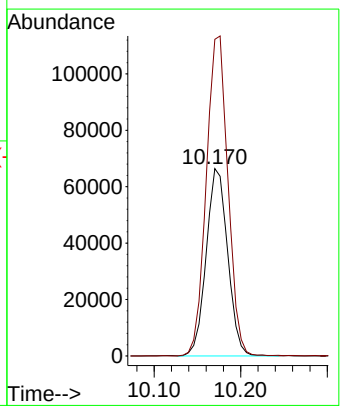
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

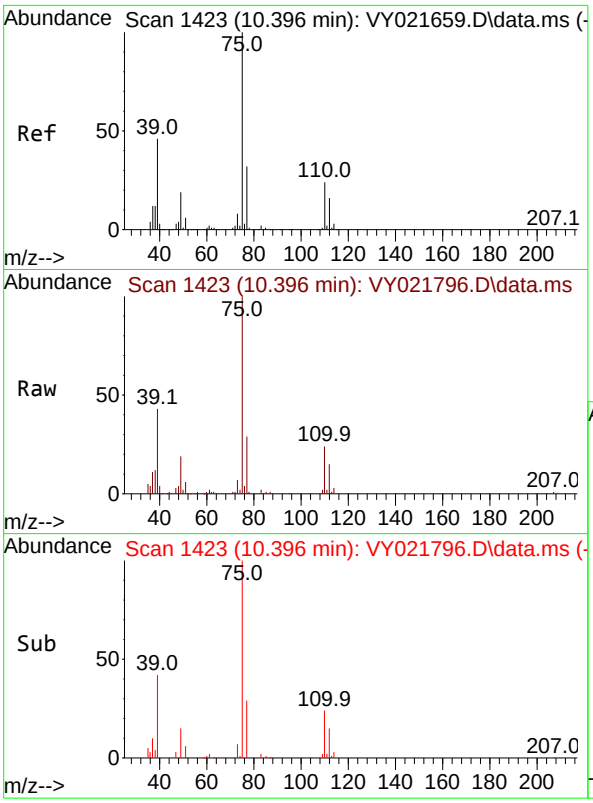


#52
Toluene
Concen: 19.502 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 92 Resp: 114460

Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.6	207.8

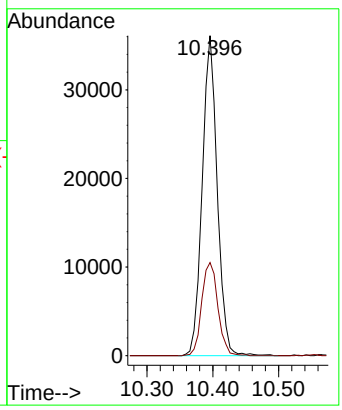




#53
t-1,3-Dichloropropene
Concen: 19.407 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 5731

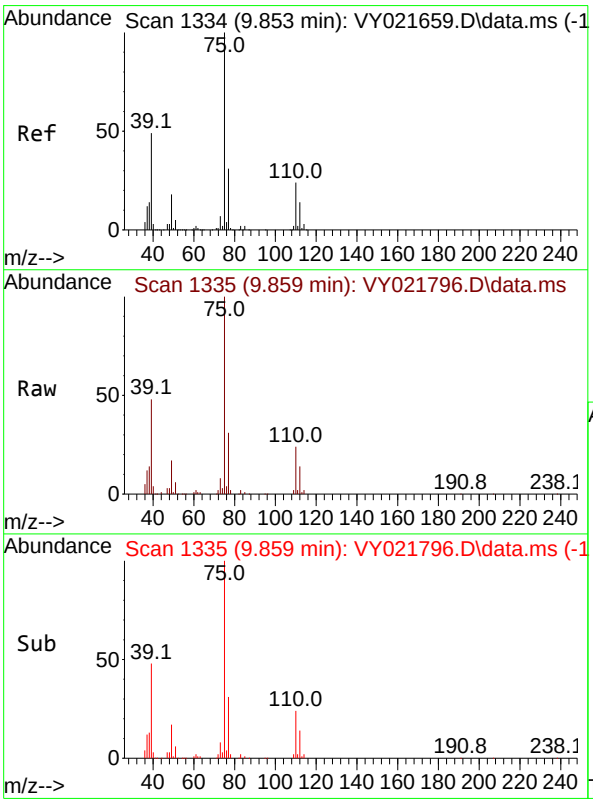
Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

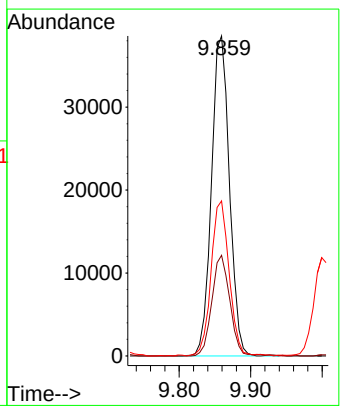
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

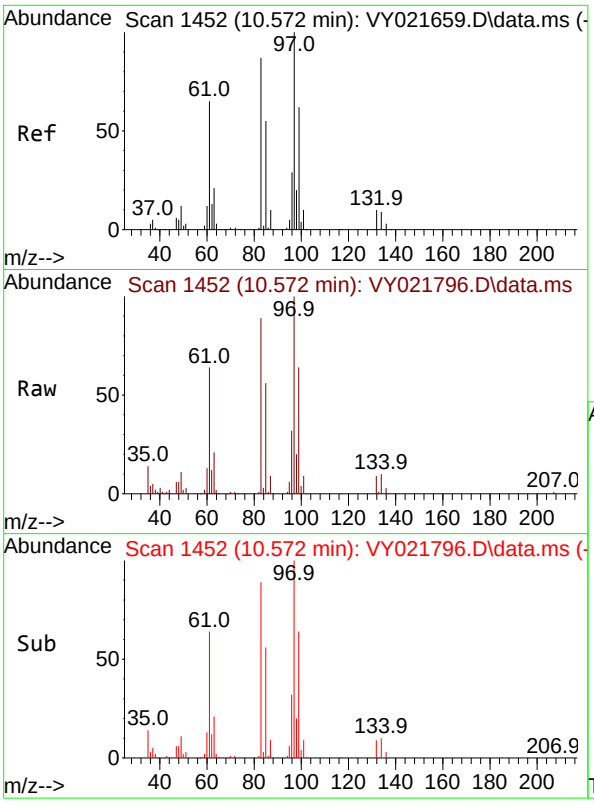


#54
cis-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 67327

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3
39	48.2	39.2	58.8

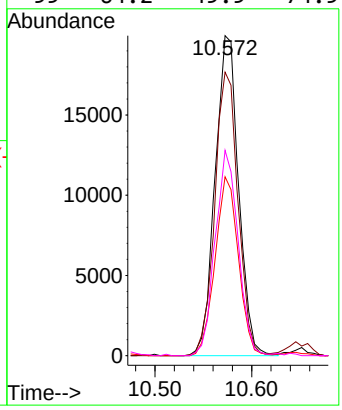




#55
1,1,2-Trichloroethane
Concen: 20.349 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 97 Resp: 3360

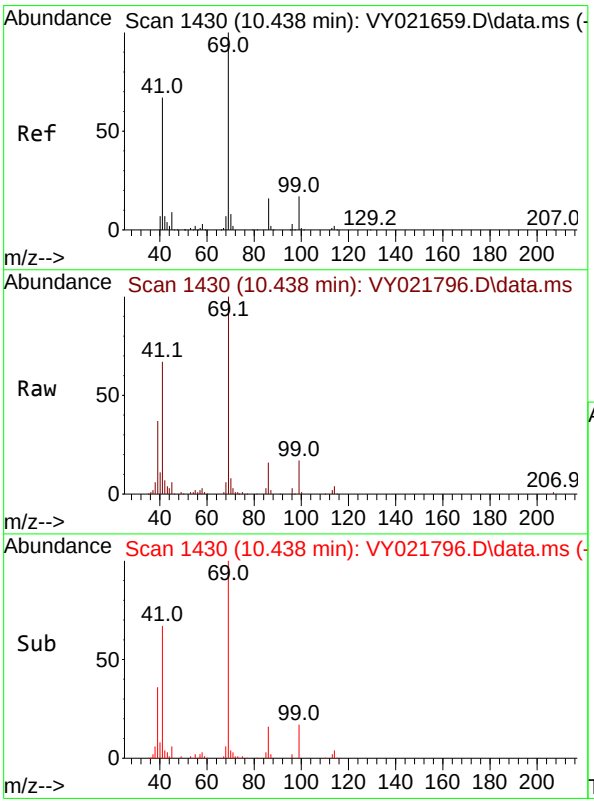
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.5	104.3
85	55.9	43.9	65.9
99	64.2	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

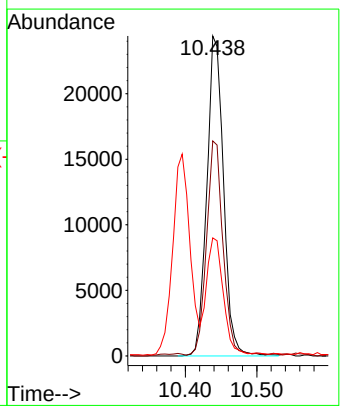
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

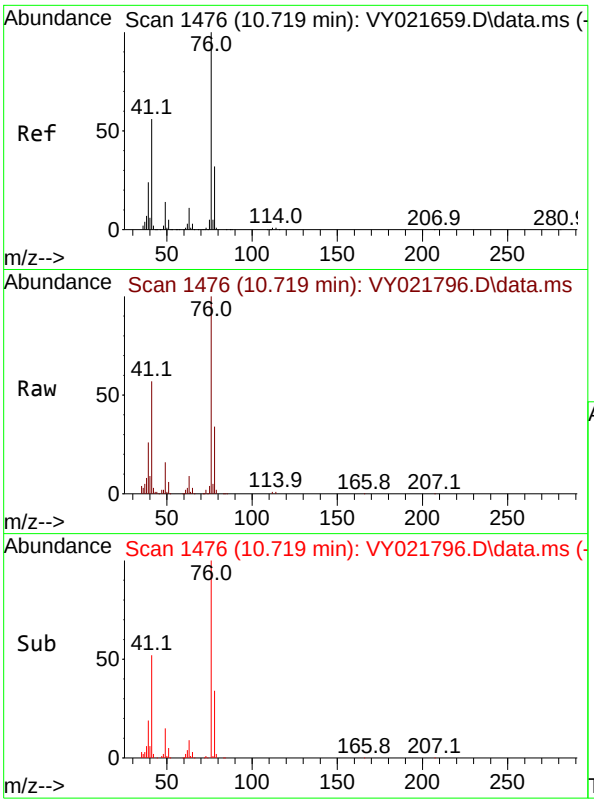


#56
Ethyl methacrylate
Concen: 18.773 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 69 Resp: 39586

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.8	80.6
39	35.7	29.6	44.4

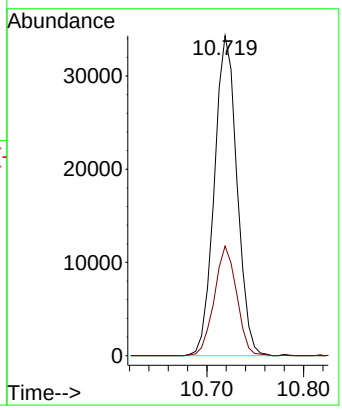




#57
1,3-Dichloropropane
Concen: 19.548 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 76 Resp: 5575

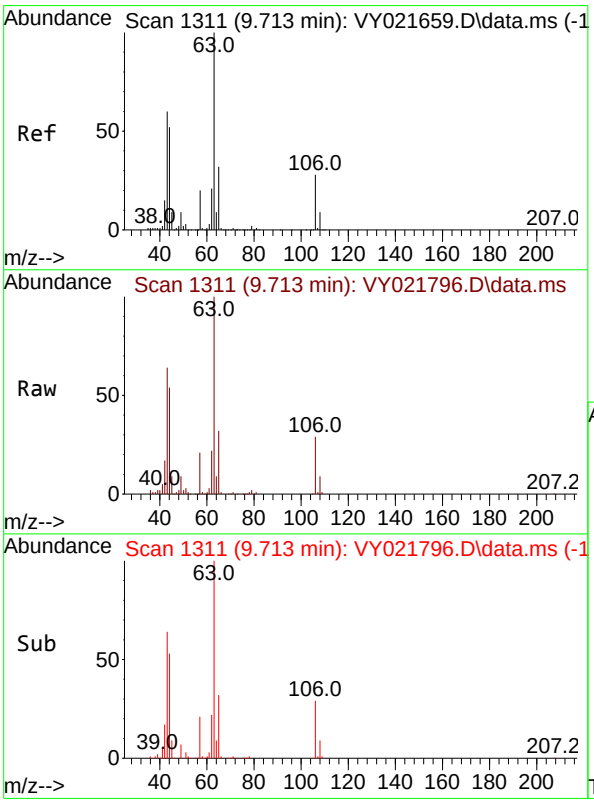
Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

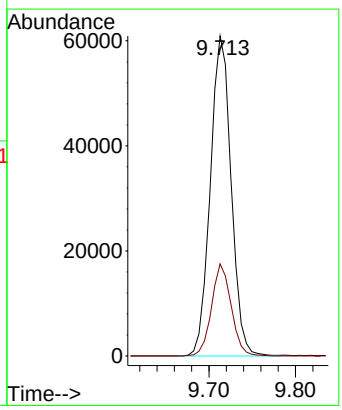
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

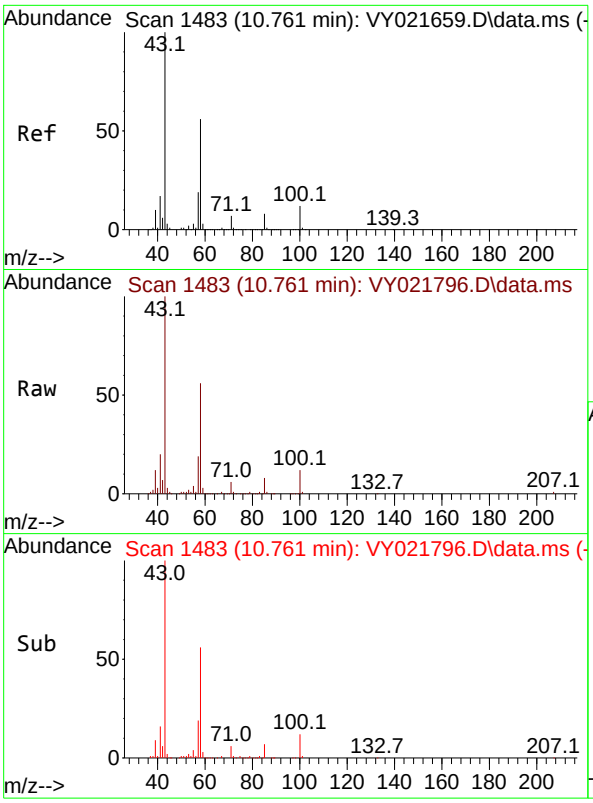


#58
2-Chloroethyl Vinyl ether
Concen: 98.974 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 63 Resp: 101813

Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.4	33.6

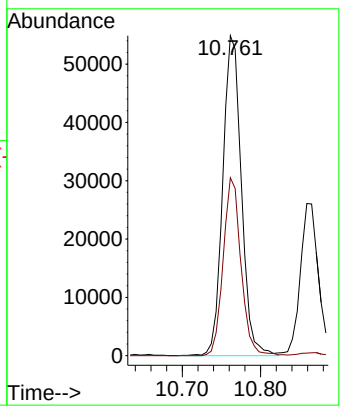




#59
2-Hexanone
Concen: 93.230 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 9077

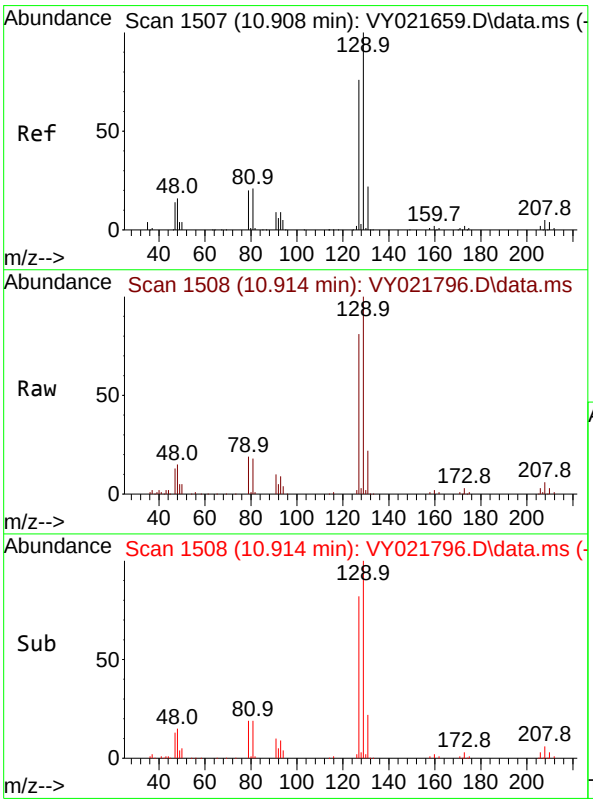
Ion	Ratio	Lower	Upper
43	100		
58	53.2	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

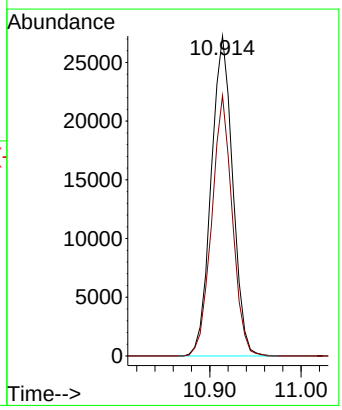
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

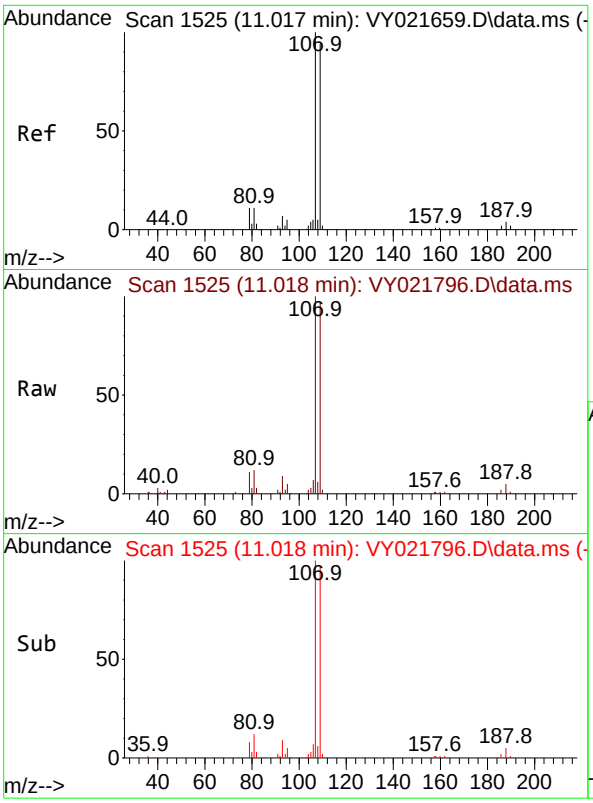


#60
Dibromochloromethane
Concen: 19.752 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:129 Resp: 44536

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7

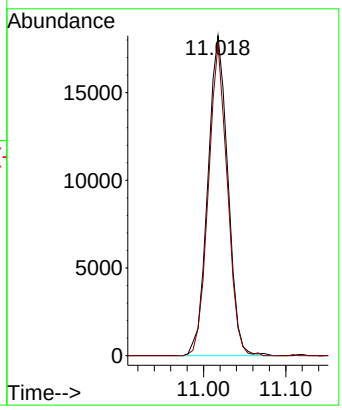




#61
1,2-Dibromoethane
Concen: 19.923 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:107 Resp: 3086

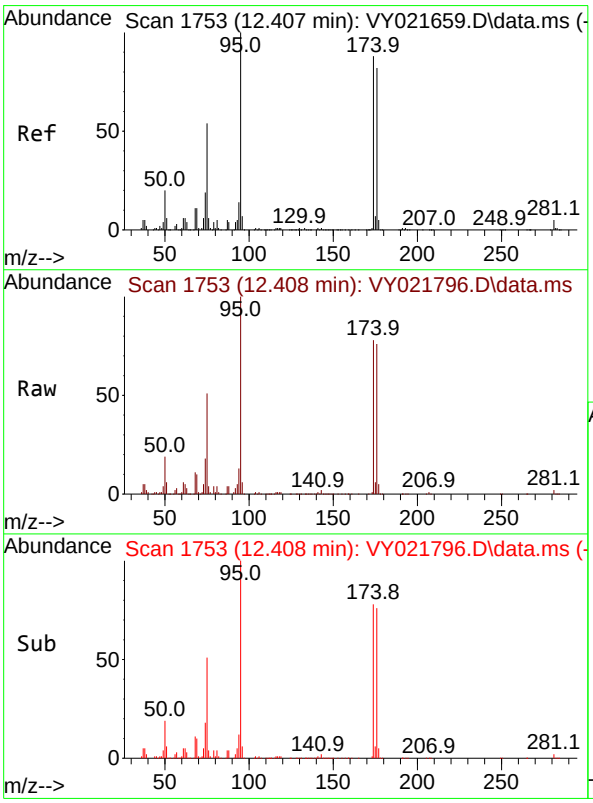
Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

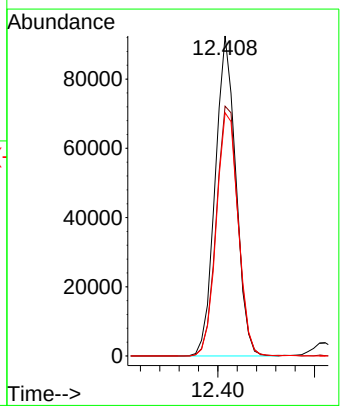
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

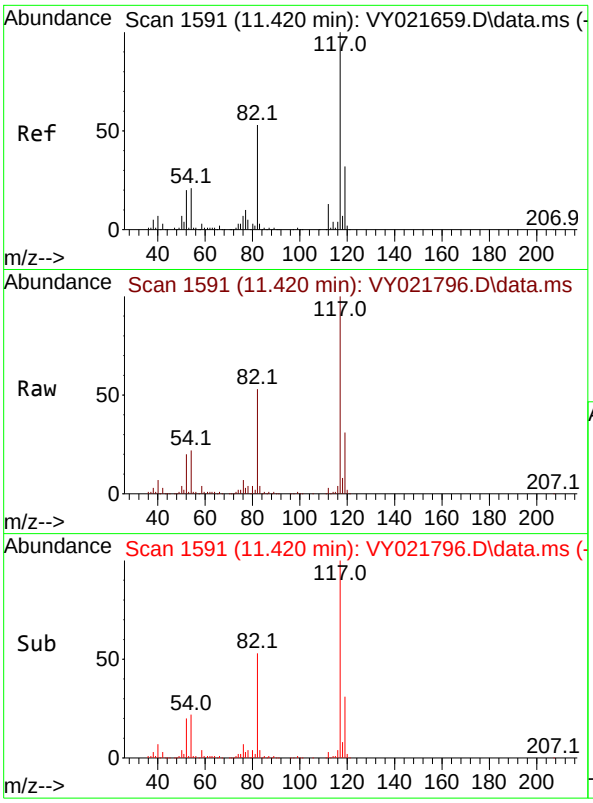


#62
4-Bromofluorobenzene
Concen: 51.789 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 95 Resp: 137431

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	170.8
176	79.9	0.0	162.0

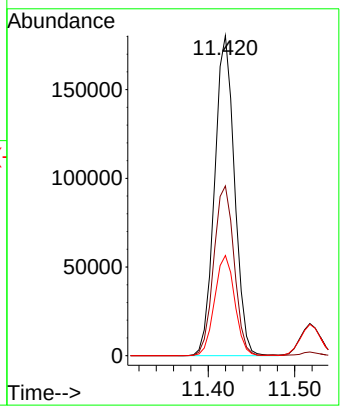




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:117 Resp: 28781

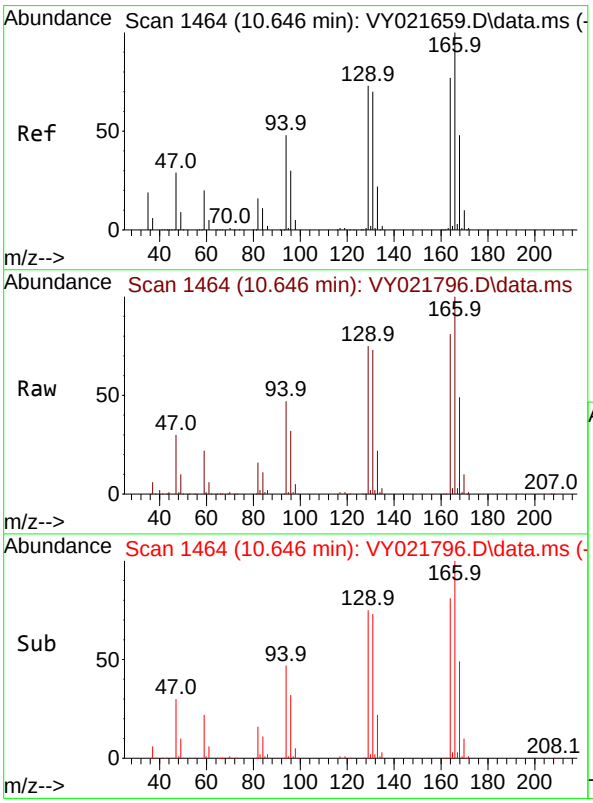
Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	31.3	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

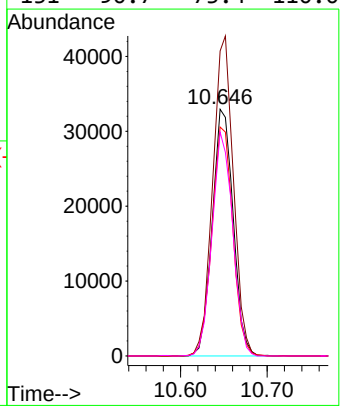
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

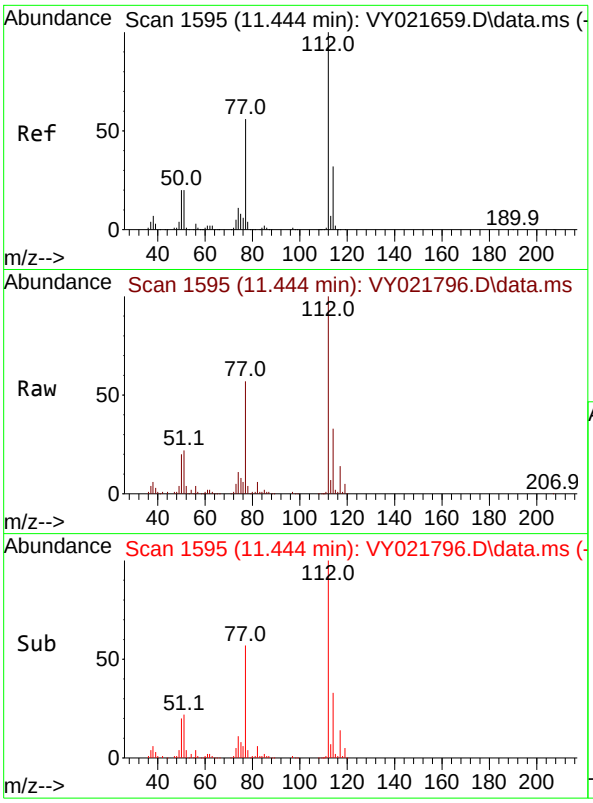


#64
Tetrachloroethene
Concen: 21.151 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:164 Resp: 55443

Ion	Ratio	Lower	Upper
164	100		
166	123.6	104.6	156.8
129	92.8	76.6	114.8
131	90.7	73.4	110.0

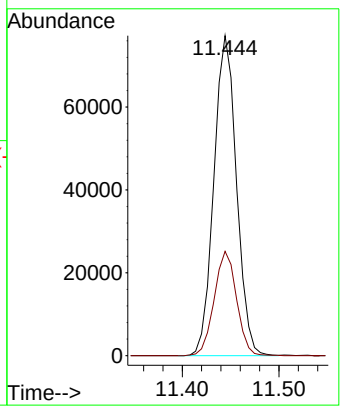




#65
Chlorobenzene
Concen: 18.989 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:112 Resp: 12528

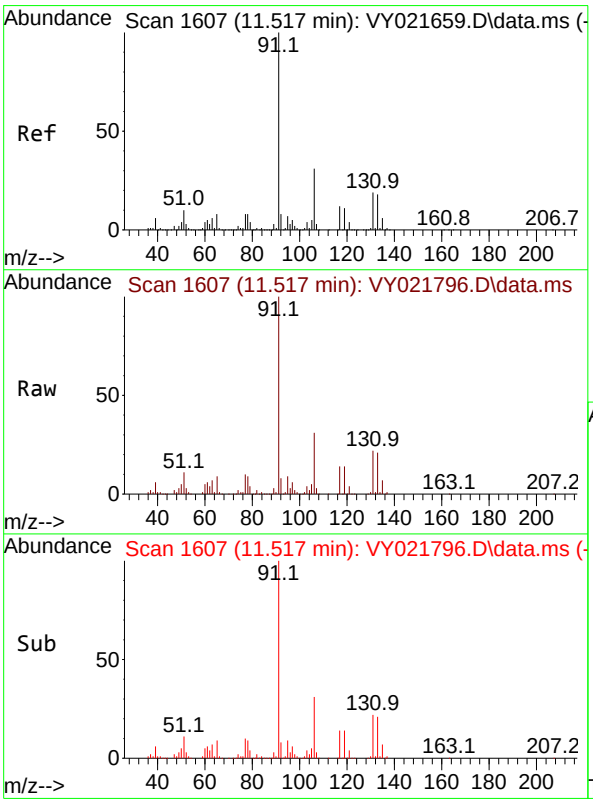
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

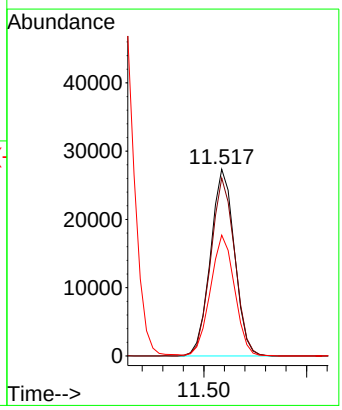
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

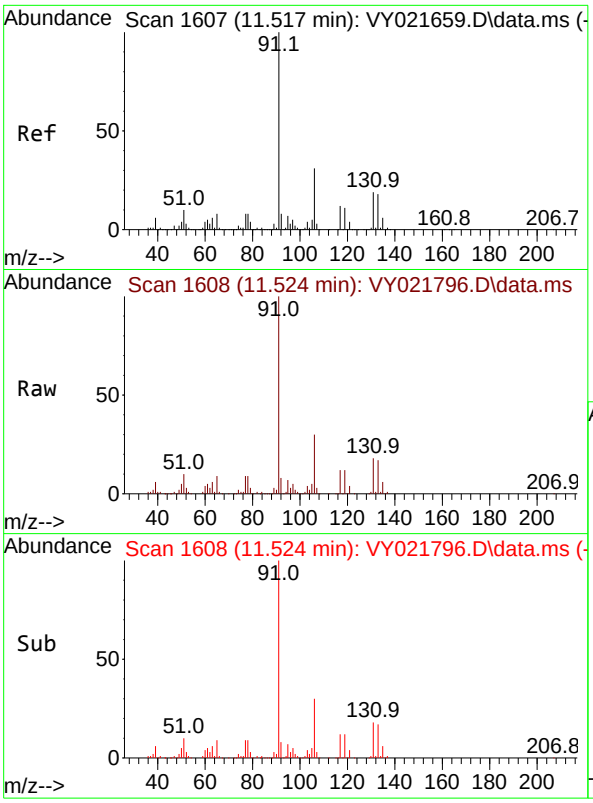


#66
1,1,1,2-Tetrachloroethane
Concen: 18.954 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:131 Resp: 44369

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	65.2	31.6	95.0

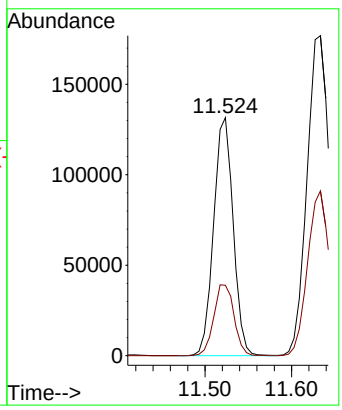




#67
Ethyl Benzene
Concen: 18.222 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 20615

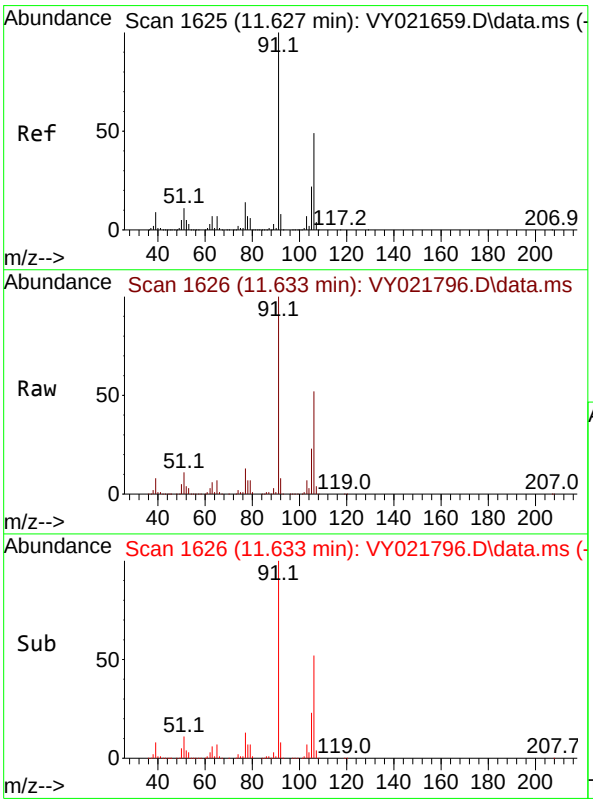
Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

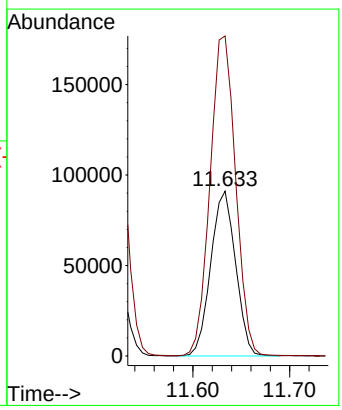
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

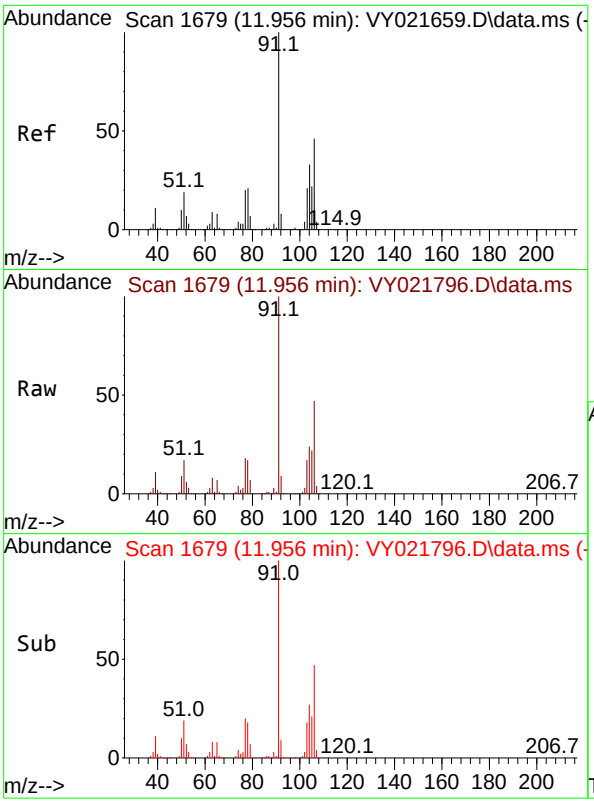


#68
m/p-Xylenes
Concen: 37.528 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:106 Resp: 162584

Ion	Ratio	Lower	Upper
106	100		
91	199.7	162.4	243.6





#69
o-Xylene
Concen: 18.495 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

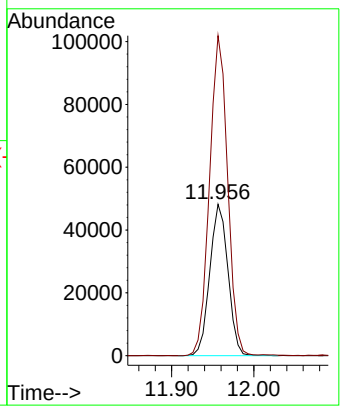
Tgt Ion:106 Resp: 7396

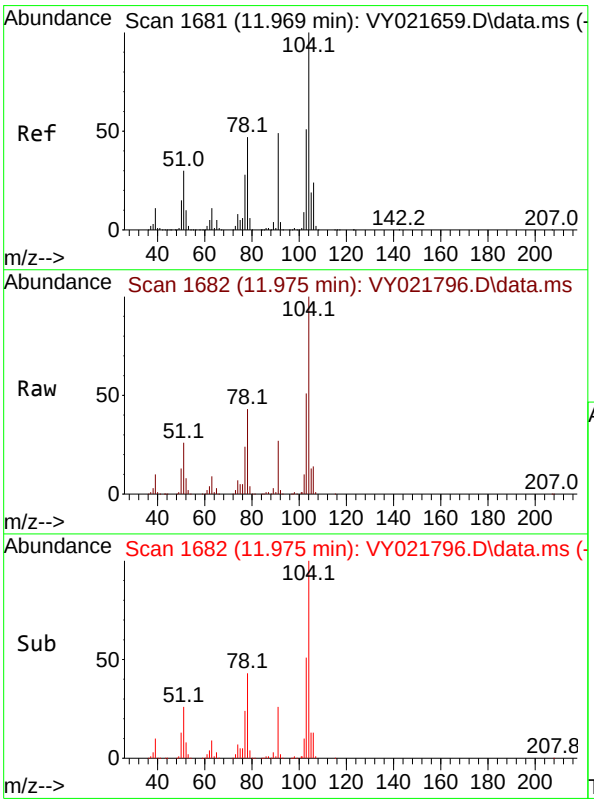
Ion	Ratio	Lower	Upper
106	100		
91	210.5	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

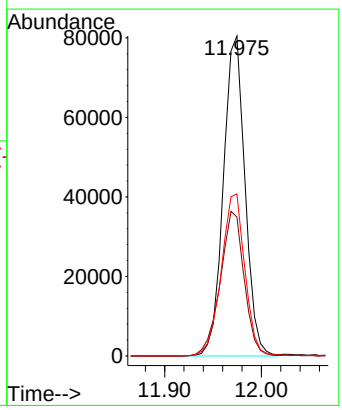


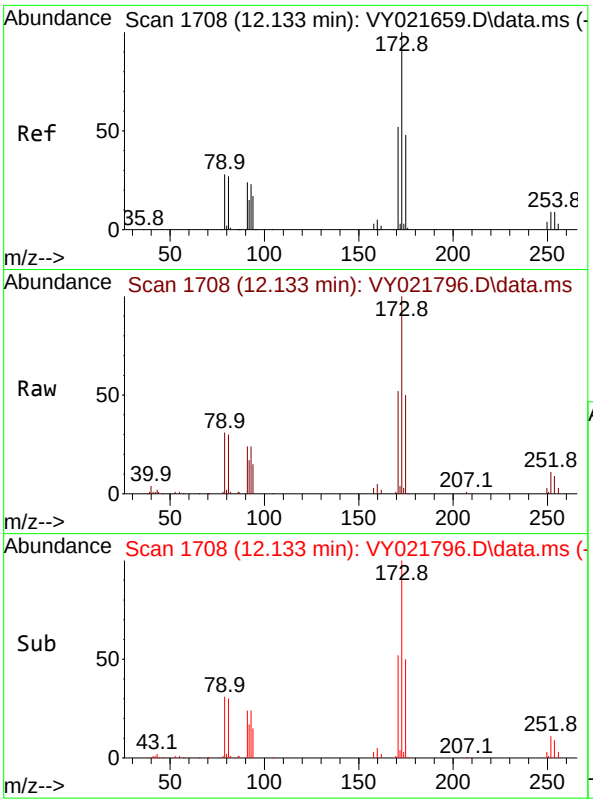


#70
Styrene
Concen: 18.734 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:104 Resp: 124911

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.8	61.2
103	55.6	44.2	66.2

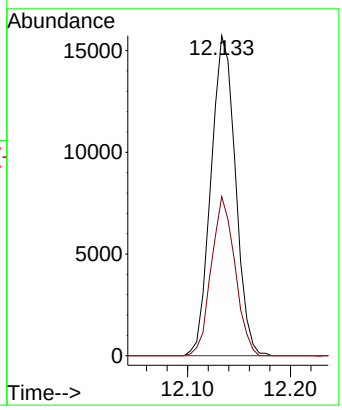




#71
Bromoform
Concen: 19.482 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:173 Resp: 2601

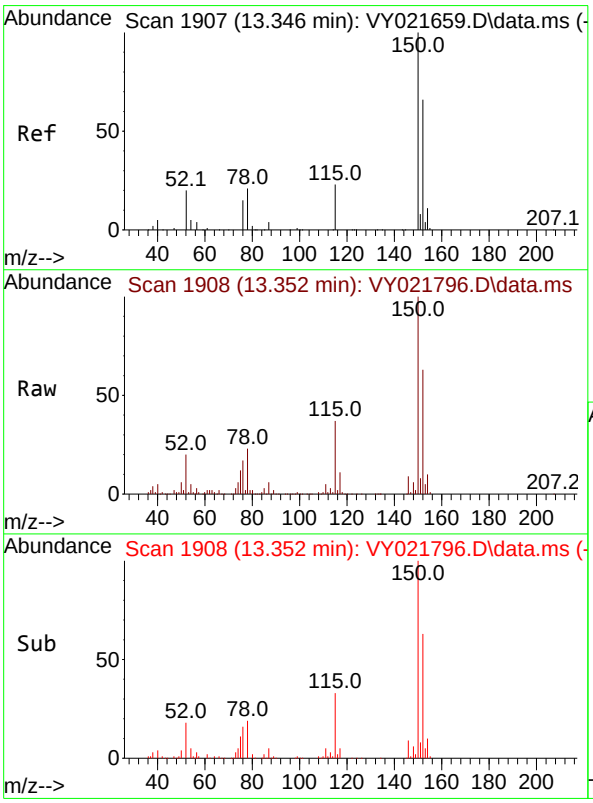
Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

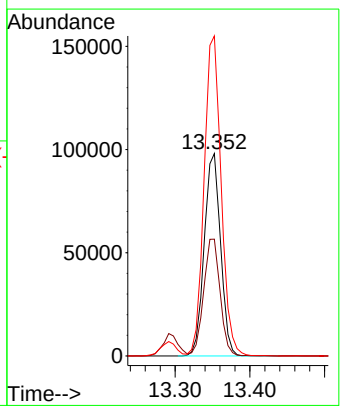
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

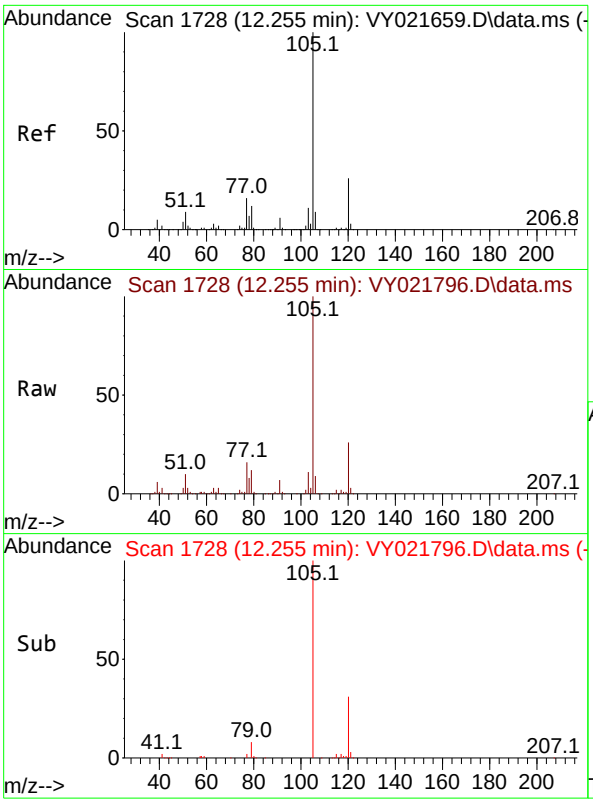


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:152 Resp: 149046

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	164.9	0.0	348.4

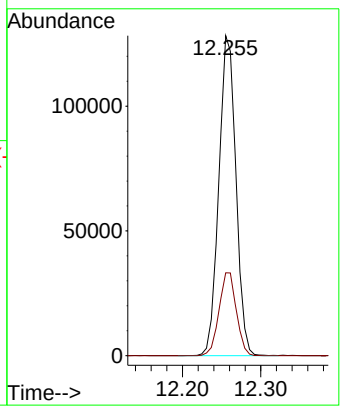




#73
Isopropylbenzene
Concen: 17.583 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:105 Resp: 19464

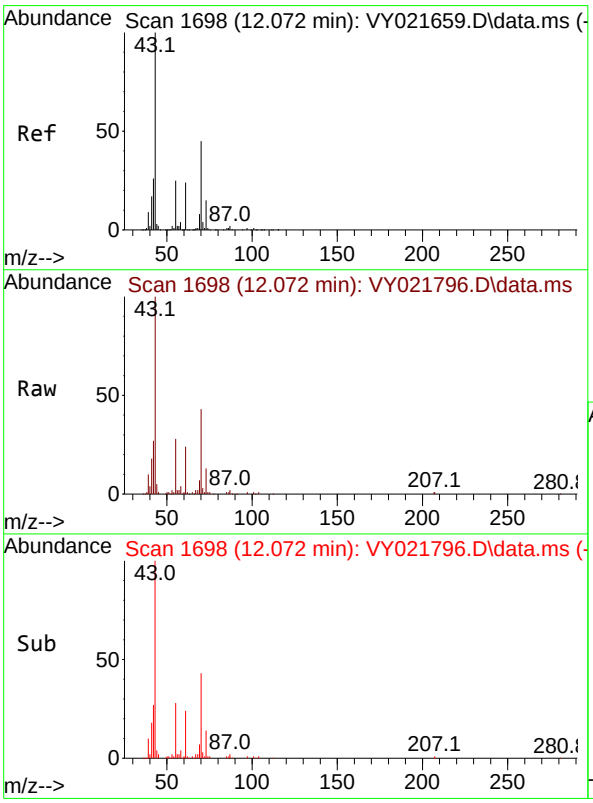
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

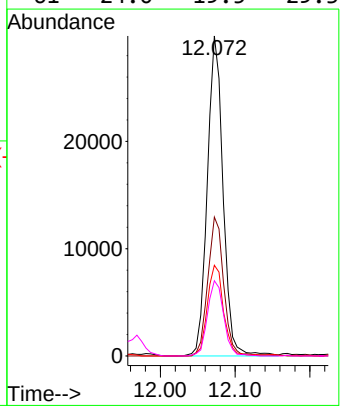
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

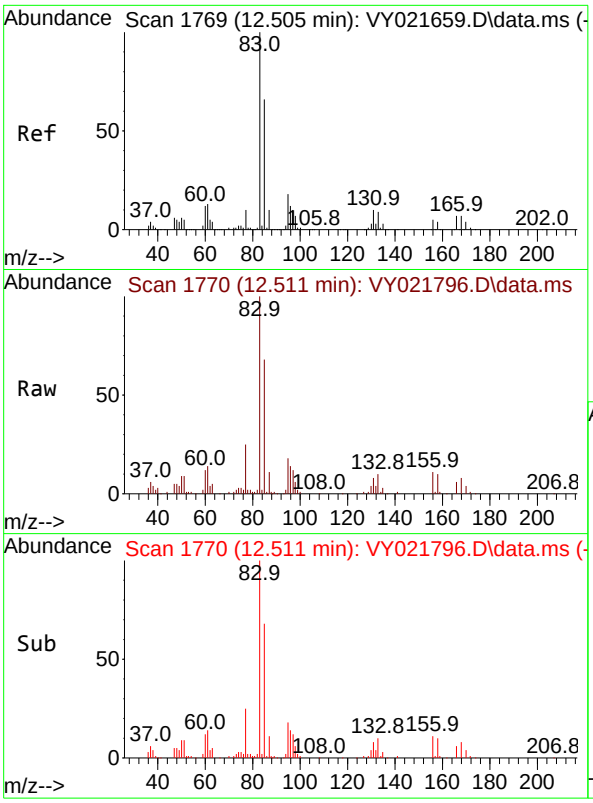


#74
N-amyl acetate
Concen: 16.847 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 43771

Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.7	52.1
55	29.1	21.2	31.8
61	24.0	19.5	29.3

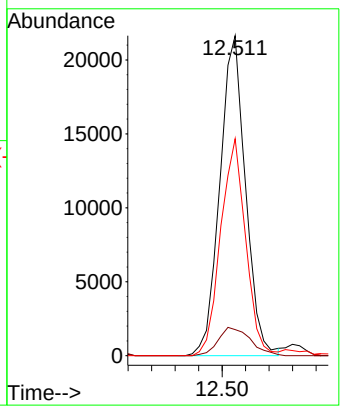




#75
1,1,2,2-Tetrachloroethane
Concen: 16.478 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 83 Resp: 3279

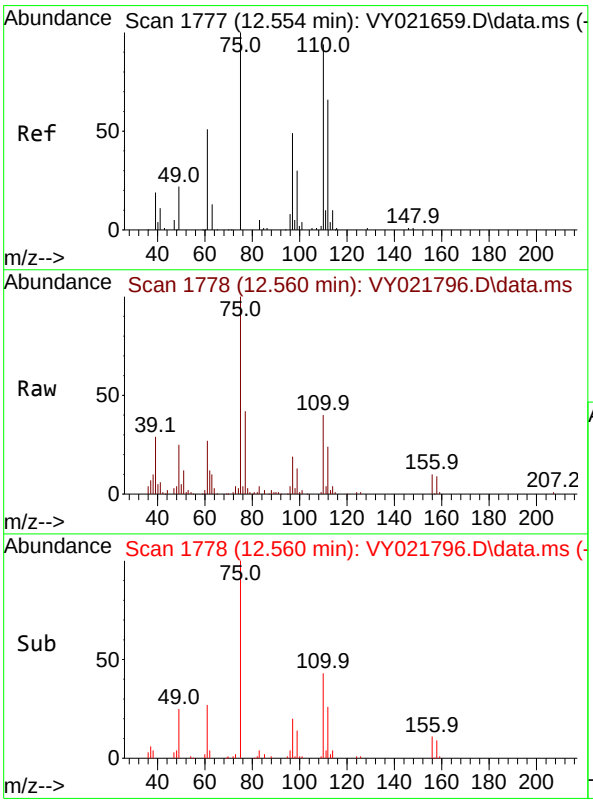
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	66.1	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

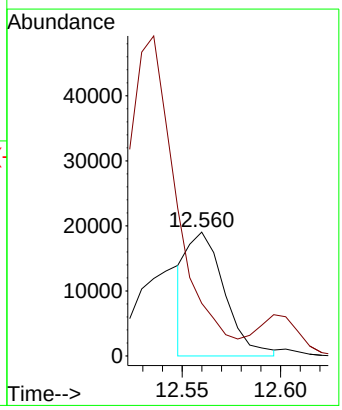
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

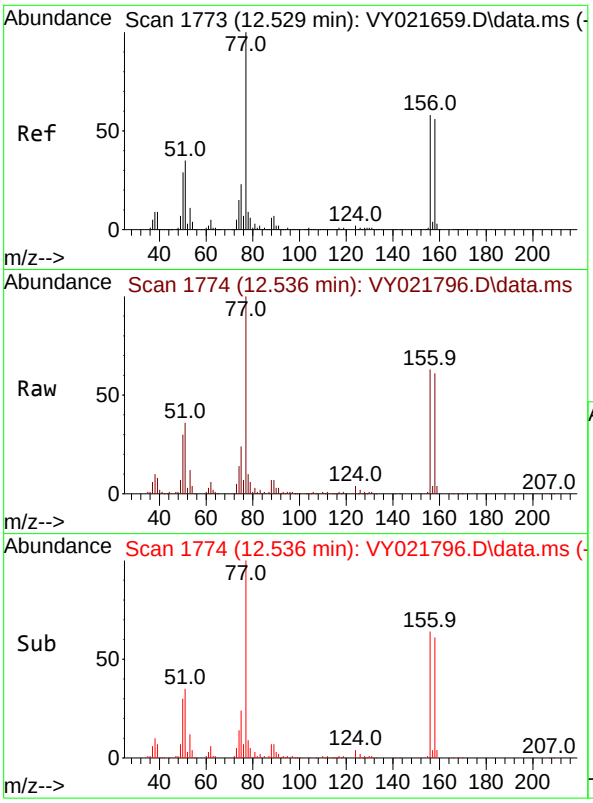


#76
1,2,3-Trichloropropane
Concen: 17.216 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 25435

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

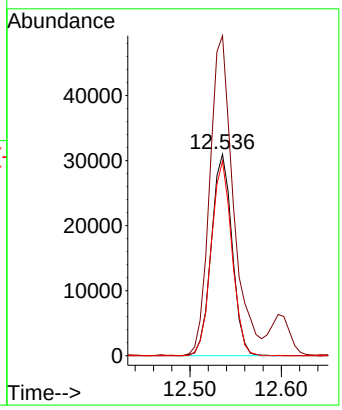




#77
Bromobenzene
Concen: 18.356 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:156 Resp: 4878

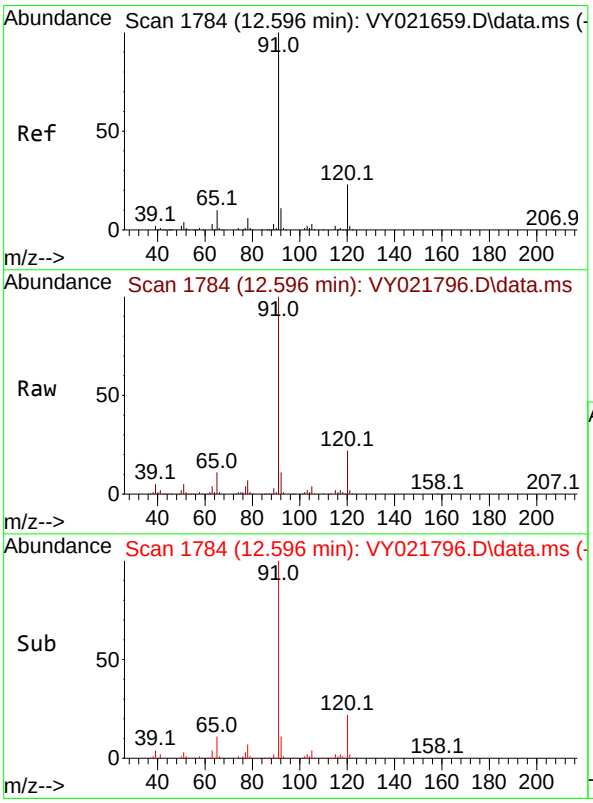
Ion	Ratio	Lower	Upper
156	100		
77	180.5	92.8	278.3
158	96.2	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

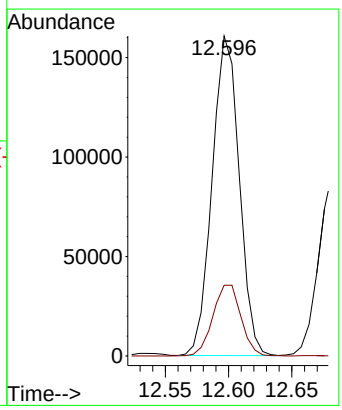
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

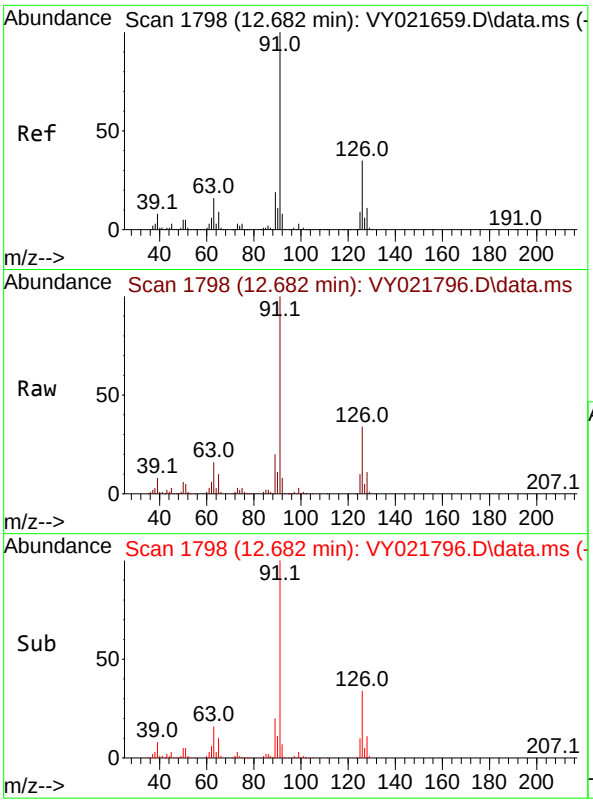


#78
n-propylbenzene
Concen: 17.983 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 239336

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.9

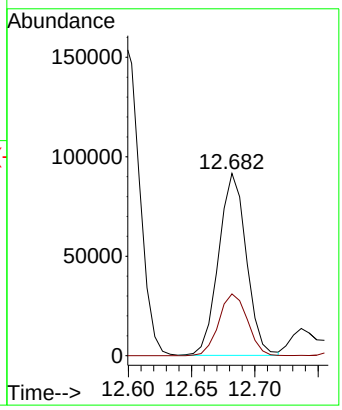




#79
2-Chlorotoluene
Concen: 18.046 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 13949

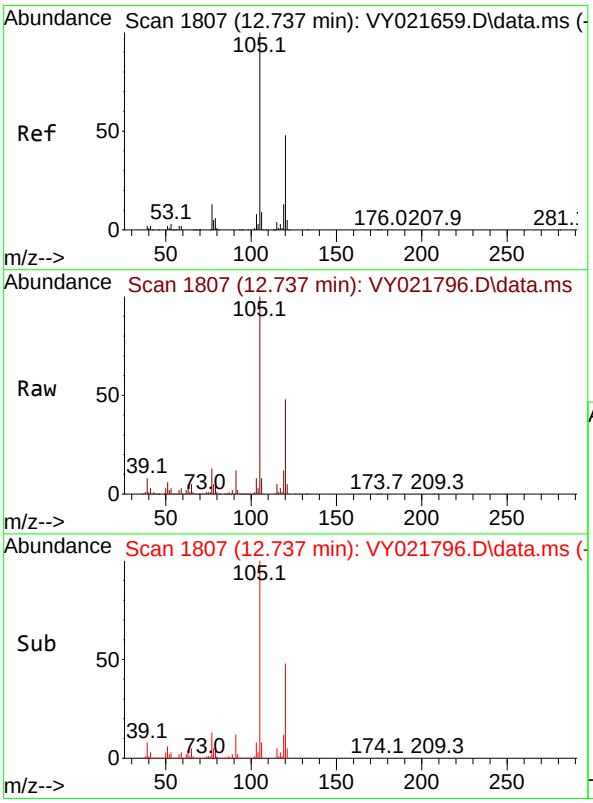
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

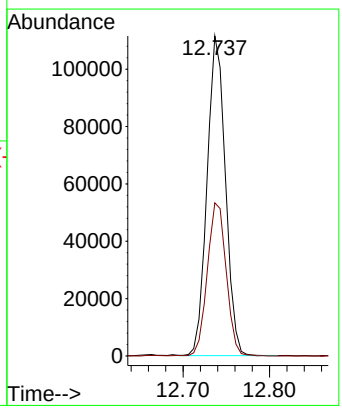
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

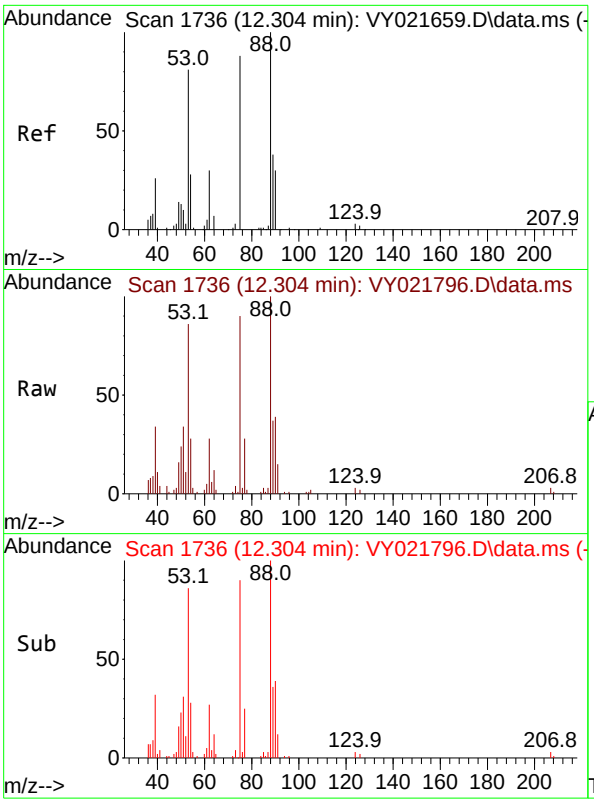


#80
1,3,5-Trimethylbenzene
Concen: 18.130 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:105 Resp: 164031

Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.5	73.5

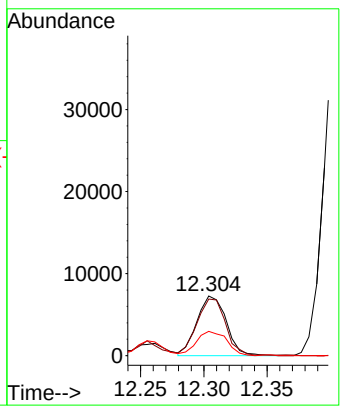




#81
trans-1,4-Dichloro-2-butene
Concen: 18.313 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

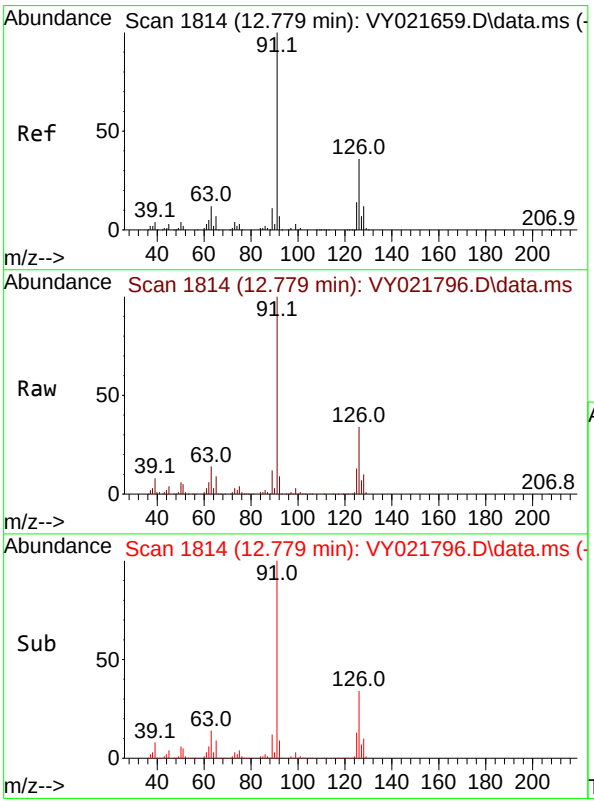
Tgt Ion: 75 Resp: 1174

Ion	Ratio	Lower	Upper
75	100		
53	91.7	76.1	114.1
89	42.2	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

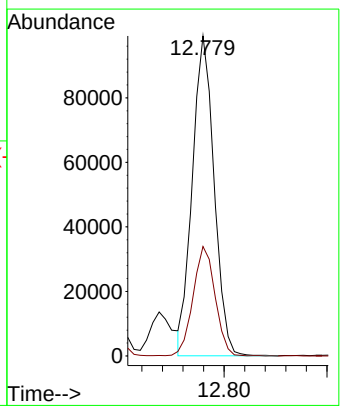
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

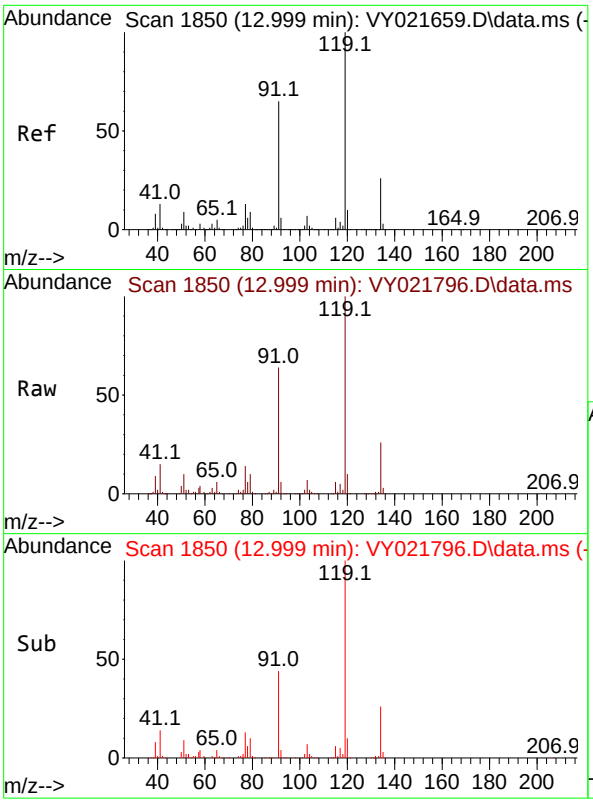


#82
4-Chlorotoluene
Concen: 18.098 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 145850

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.0	50.9

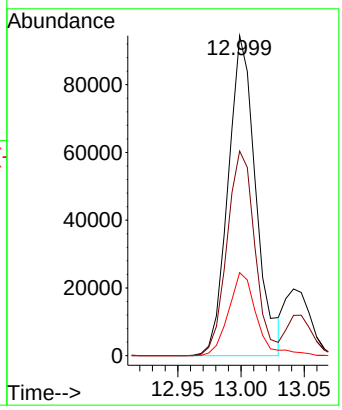




#83
tert-Butylbenzene
Concen: 17.867 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:119 Resp: 14398

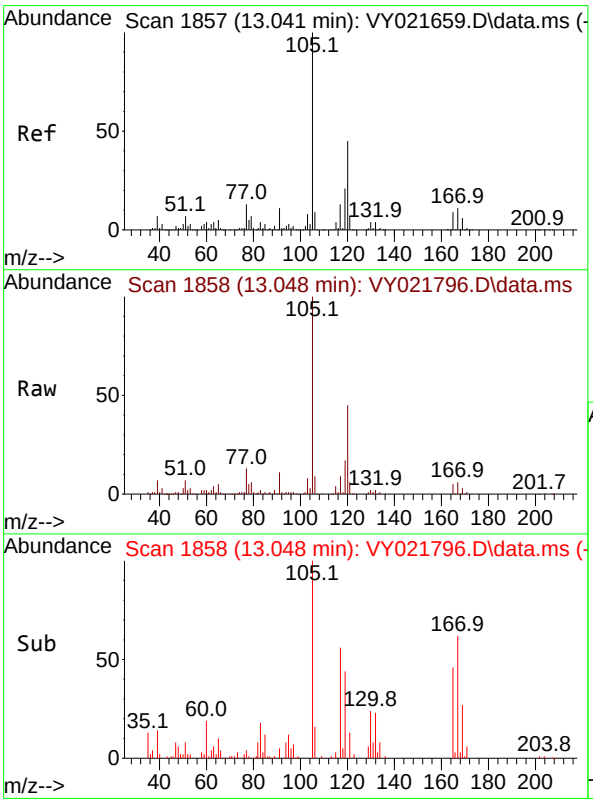
Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.6	97.7
134	26.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

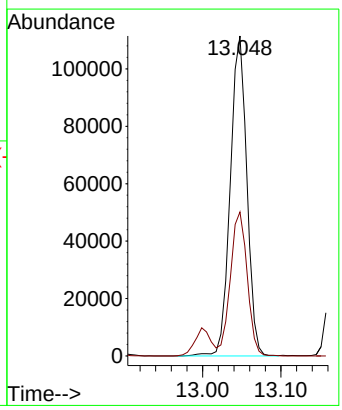
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

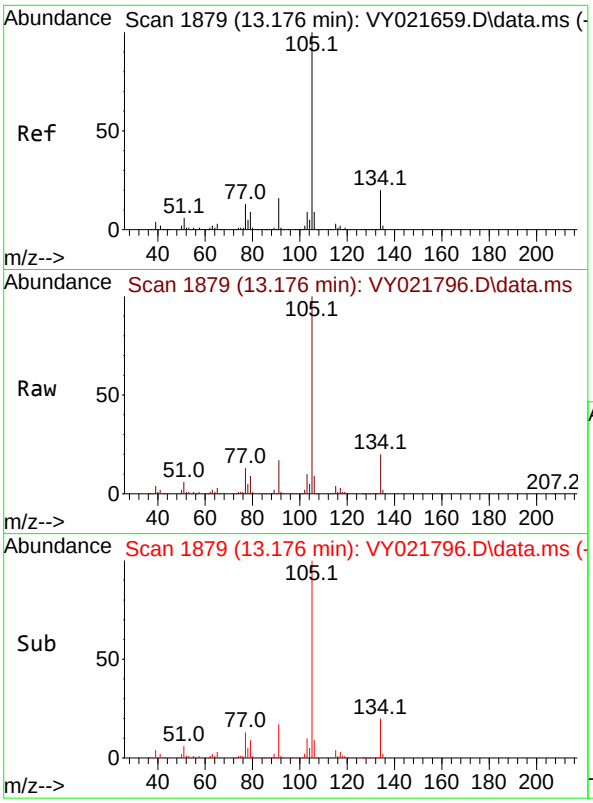


#84
1,2,4-Trimethylbenzene
Concen: 18.300 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:105 Resp: 163642

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1

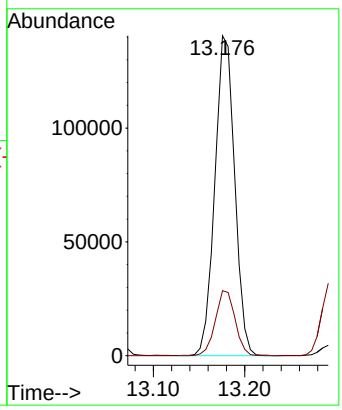




#85
sec-Butylbenzene
Concen: 18.031 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:105 Resp: 21235

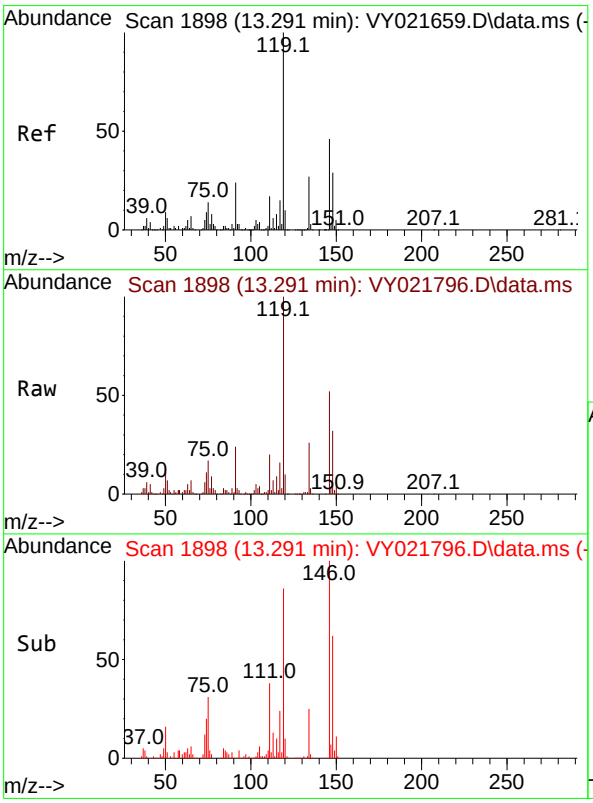
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

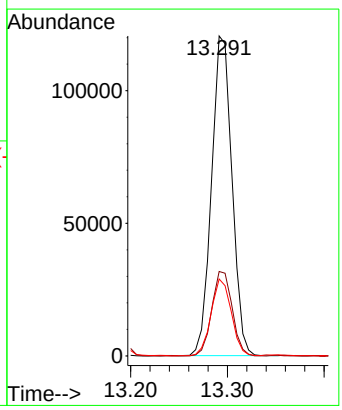
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

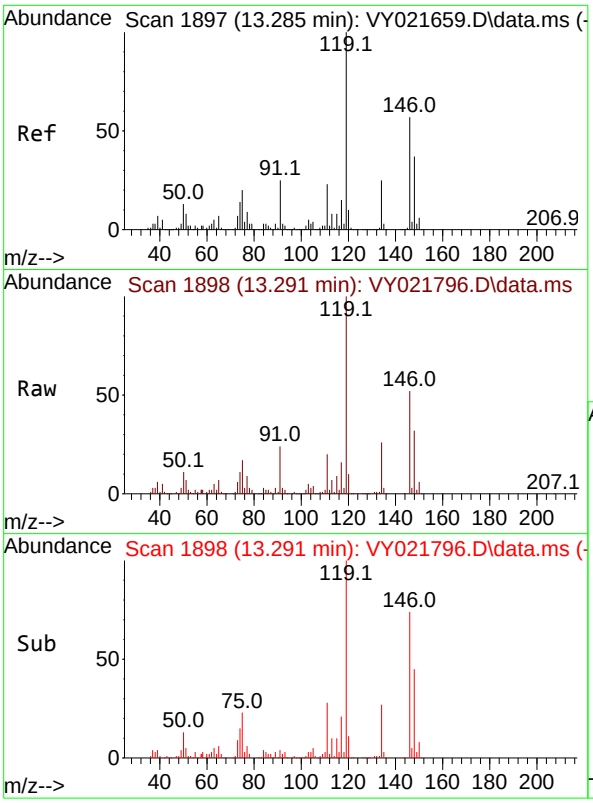


#86
p-Isopropyltoluene
Concen: 18.171 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:119 Resp: 176872

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	23.6	12.0	36.0

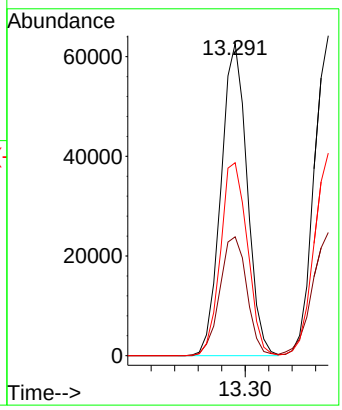




#87
1,3-Dichlorobenzene
Concen: 18.467 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:146 Resp: 9670

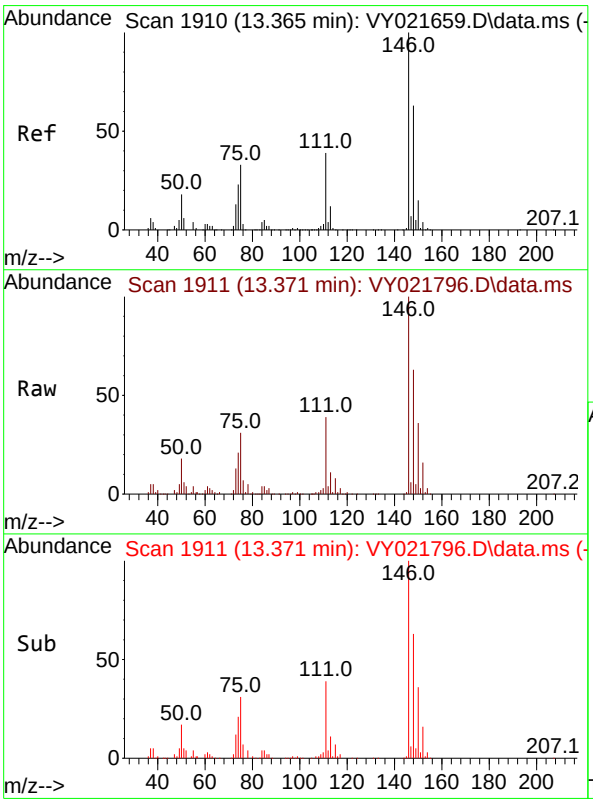
Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.7	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

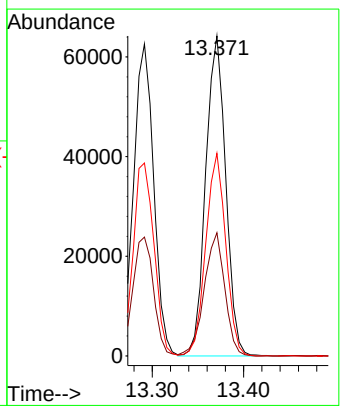
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

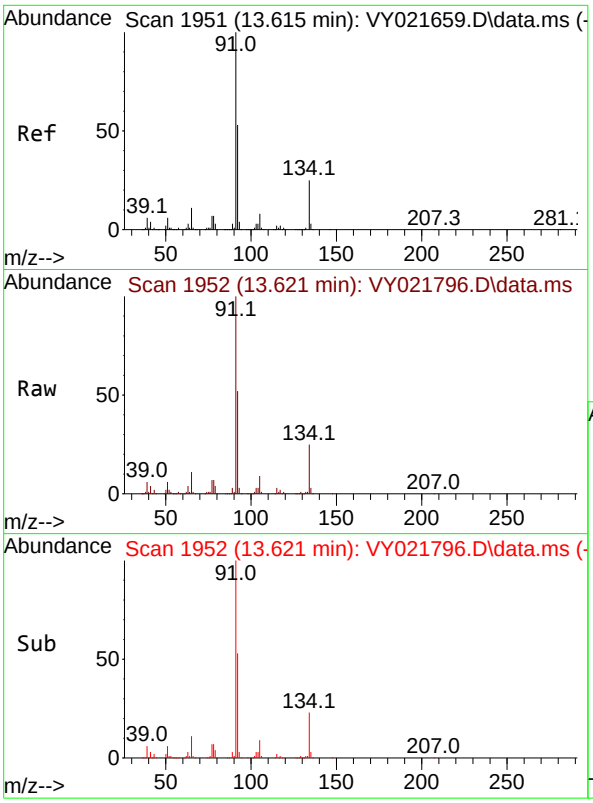


#88
1,4-Dichlorobenzene
Concen: 18.826 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:146 Resp: 97404

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.1
148	63.5	31.5	94.5

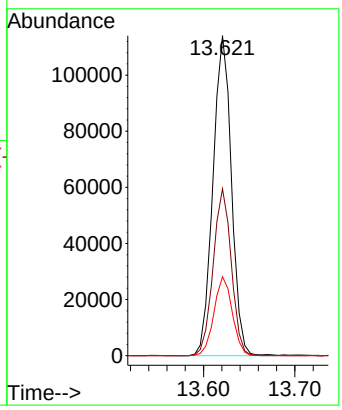




#89
n-Butylbenzene
Concen: 17.835 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 16054

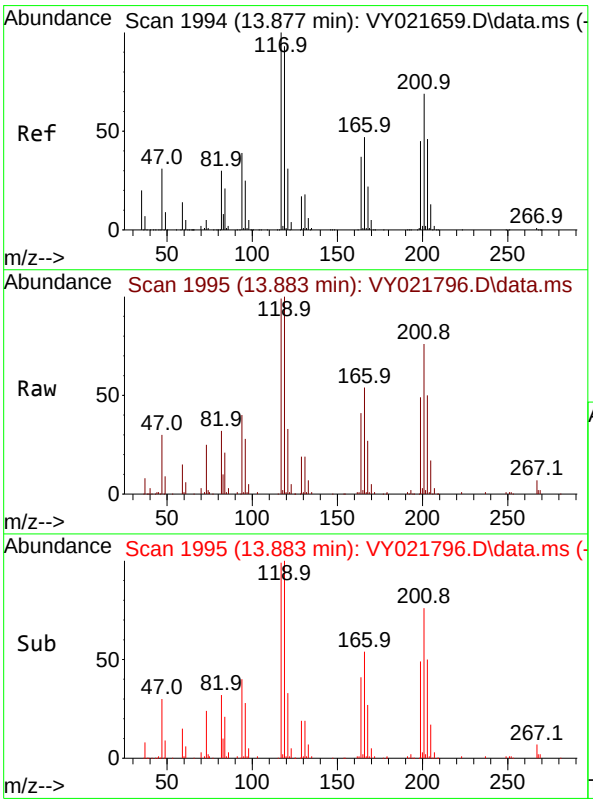
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.4	79.2
134	24.5	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

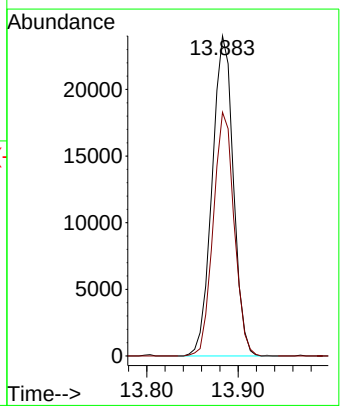
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

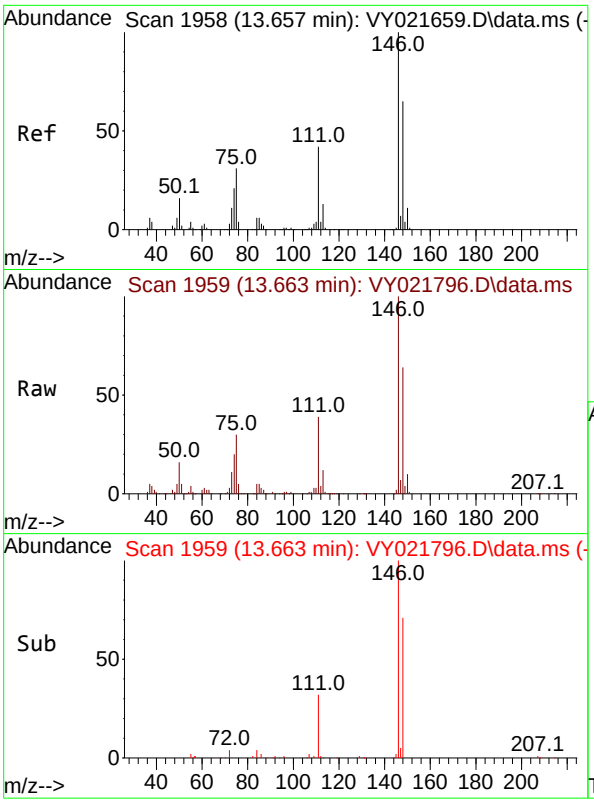


#90
Hexachloroethane
Concen: 18.191 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:117 Resp: 38801

Ion	Ratio	Lower	Upper
117	100		
201	74.9	37.4	112.1

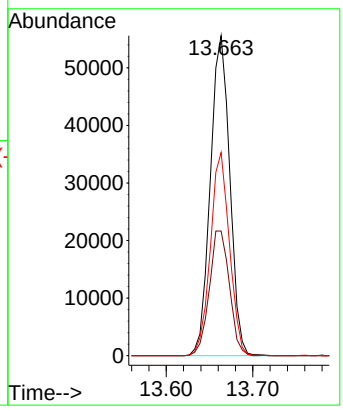




#91
1,2-Dichlorobenzene
Concen: 19.029 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:146 Resp: 8674

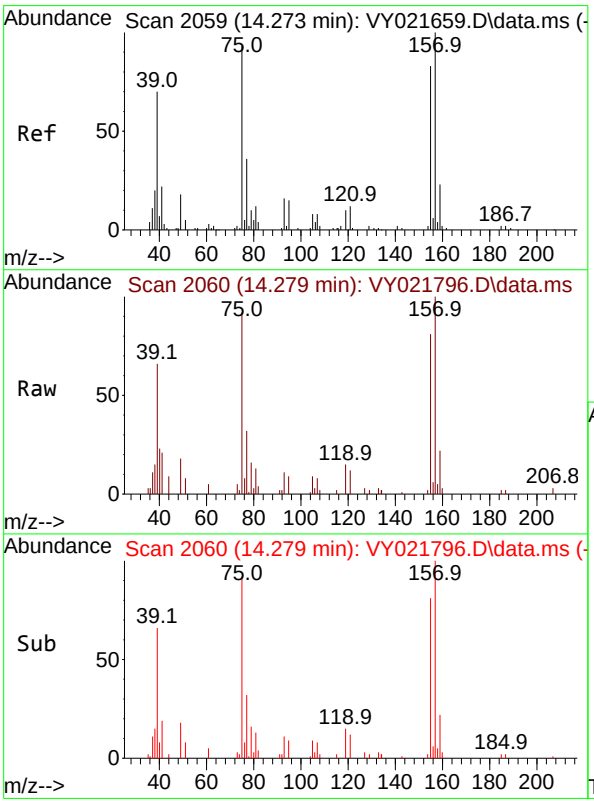
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.7	62.1
148	62.2	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

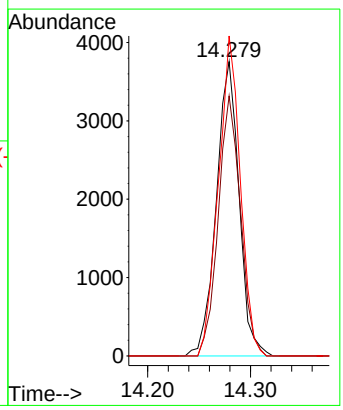
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

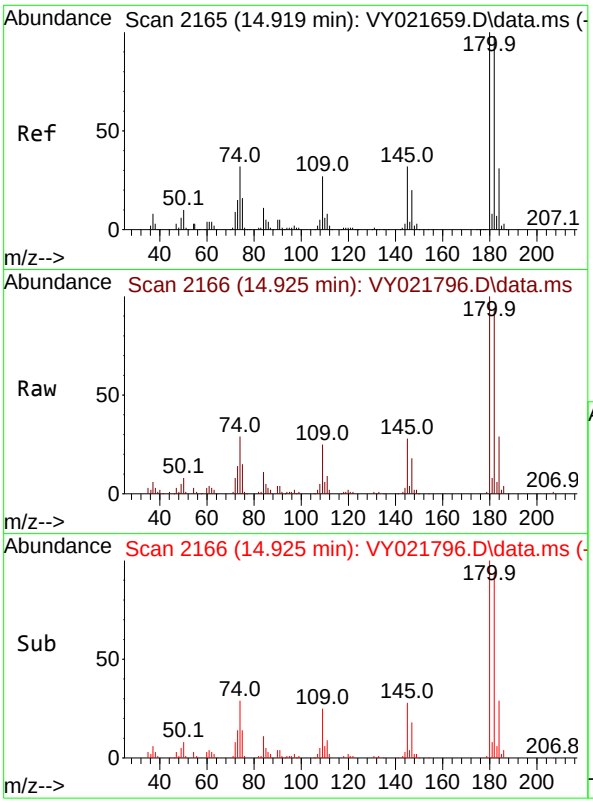


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.688 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 5765

Ion	Ratio	Lower	Upper
75	100		
155	86.3	43.0	128.8
157	104.9	54.0	162.0

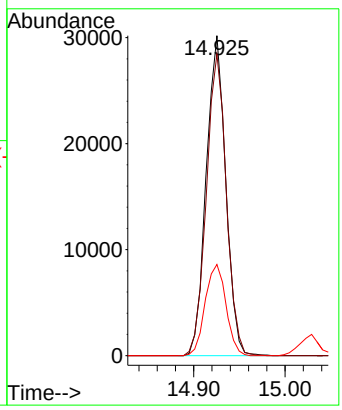




#93
1,2,4-Trichlorobenzene
Concen: 18.097 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:180 Resp: 4473

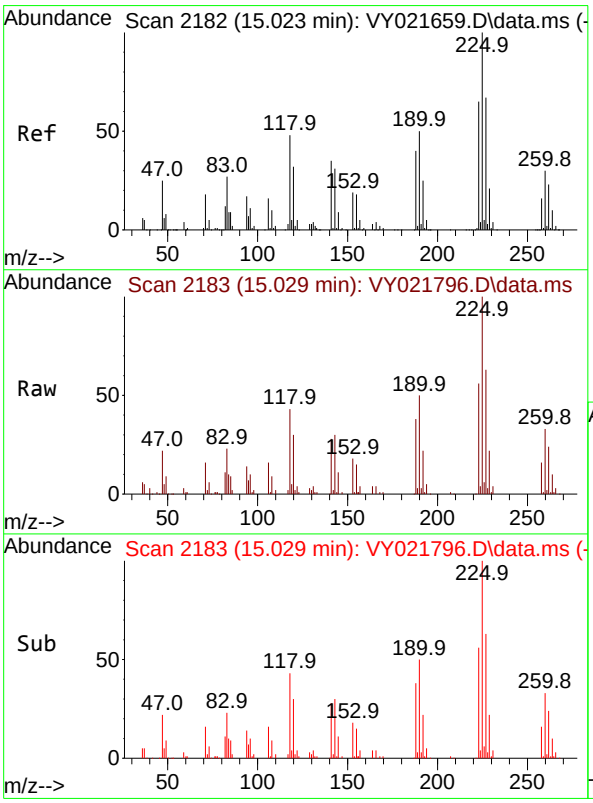
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	30.4	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

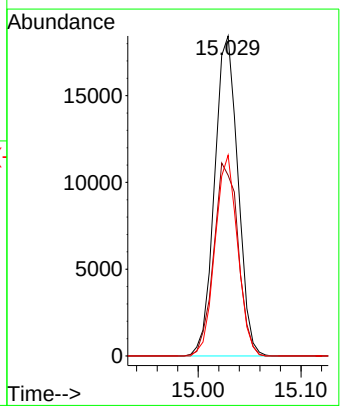
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

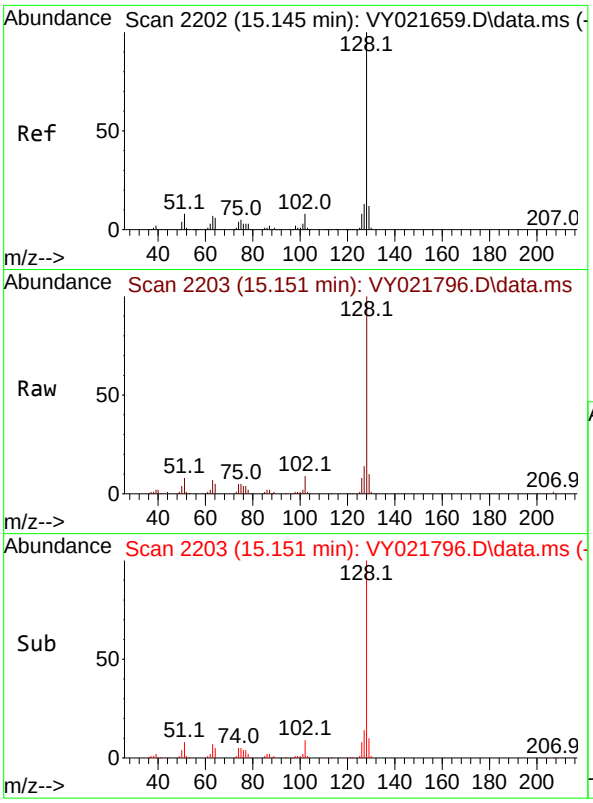


#94
Hexachlorobutadiene
Concen: 18.790 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:225 Resp: 29010

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	60.6	32.4	97.0

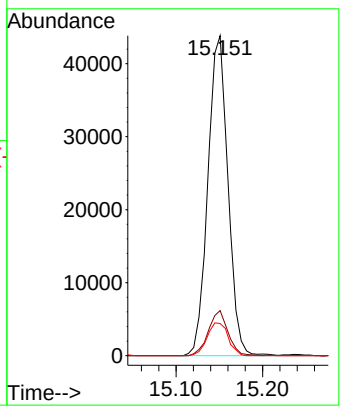




#95
Naphthalene
Concen: 17.212 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:128 Resp: 7052

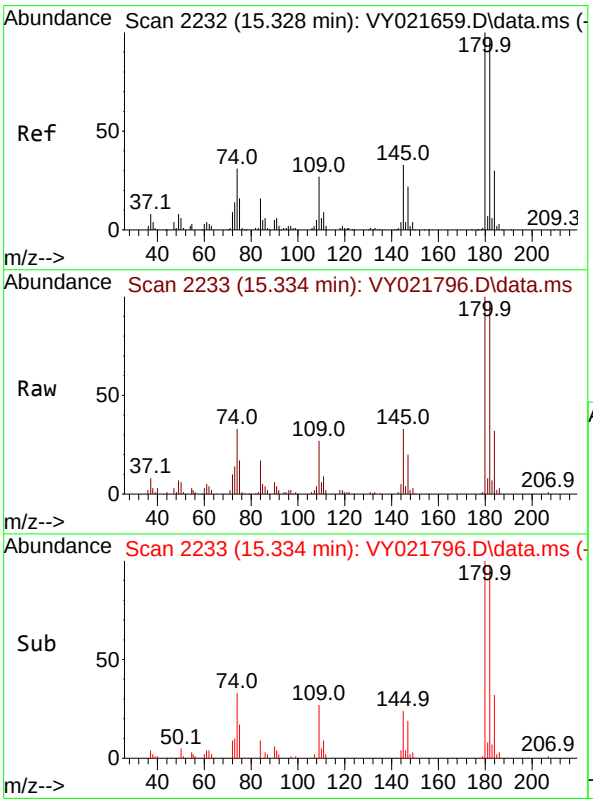
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Manual Integrations
APPROVED

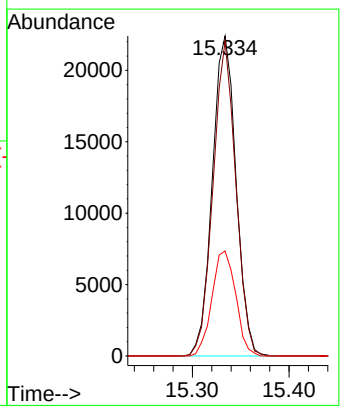
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.085 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:180 Resp: 38125

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.5
145	32.9	15.9	47.7



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:	VY0404SBSD01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBSD01	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
VY021779.D	1		04/04/25 10:49	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.018		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.018		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		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	0.088		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	0.019		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.090		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.081		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.018		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	0.018		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.018		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	0.085		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	0.019		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.019		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.019		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.019		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	0.019		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.019		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.019		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.019		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.019		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.019		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.090		0.0036	0.013	0.025	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:	VY0404SBSD01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBSD01	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
VY021779.D	1		04/04/25 10:49	VY040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.019		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	0.019		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.088		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.019		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.019		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.019		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.019		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	0.039		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.057		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	0.019		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	0.019		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	0.019		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	0.019		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	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		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:	VY0404SBSD01	SDG No.:	Q1730
Lab Sample ID:	VY0404SBSD01	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
VY021779.D	1		04/04/25 10:49	VY040425

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	0.018		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	0.018		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	52.1		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.8		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	222000	7.707				
540-36-3	1,4-Difluorobenzene	342000	8.616				
3114-55-4	Chlorobenzene-d5	300000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	152000	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\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	222129	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342162	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	299516	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151992	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	119747	49.756 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.520%		
35) Dibromofluoromethane	7.634	113	115582	52.075 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.140%		
50) Toluene-d8	10.103	98	437387	51.800 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.600%		
62) 4-Bromofluorobenzene	12.408	95	145713	51.018 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.861	85	42153	18.309 ug/l	98
3) Chloromethane	2.068	50	59338	18.329 ug/l	98
4) Vinyl Chloride	2.202	62	66651	18.205 ug/l	98
5) Bromomethane	2.592	94	47838	19.158 ug/l	96
6) Chloroethane	2.732	64	44266	18.477 ug/l	99
7) Trichlorofluoromethane	3.056	101	86996	18.549 ug/l	97
8) Diethyl Ether	3.458	74	23057	18.078 ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	47581	19.235 ug/l	98
10) Methyl Iodide	4.000	142	47402	17.468 ug/l	99
11) Tert butyl alcohol	4.872	59	13129	83.987 ug/l	96
12) 1,1-Dichloroethene	3.787	96	43256	18.565 ug/l	94
13) Acrolein	3.653	56	17313	60.655 ug/l	95
14) Allyl chloride	4.385	41	67244	18.101 ug/l	99
15) Acrylonitrile	5.055	53	47972	90.082 ug/l	99
16) Acetone	3.872	43	39791	80.784 ug/l	96
17) Carbon Disulfide	4.104	76	136817	17.828 ug/l	99
18) Methyl Acetate	4.378	43	21903	17.942 ug/l	99
19) Methyl tert-butyl Ether	5.110	73	102651	17.696 ug/l	97
20) Methylene Chloride	4.610	84	48920	17.807 ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	47181	18.392 ug/l	94
22) Diisopropyl ether	6.018	45	146004	18.736 ug/l	97
23) Vinyl Acetate	5.957	43	405658	88.983 ug/l	100
24) 1,1-Dichloroethane	5.909	63	87235	18.721 ug/l	99
25) 2-Butanone	6.896	43	59419	84.459 ug/l	99
26) 2,2-Dichloropropane	6.884	77	77434	18.682 ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53338	18.489 ug/l	99
28) Bromochloromethane	7.244	49	38032	19.353 ug/l	99
29) Tetrahydrofuran	7.262	42	39739	87.766 ug/l	99
30) Chloroform	7.421	83	90247	18.621 ug/l	98
31) Cyclohexane	7.701	56	75857	17.858 ug/l #	94
32) 1,1,1-Trichloroethane	7.616	97	83924	19.159 ug/l	99
36) 1,1-Dichloropropene	7.835	75	66042	19.535 ug/l	99
37) Ethyl Acetate	6.982	43	29052	18.209 ug/l	99
38) Carbon Tetrachloride	7.817	117	75873	19.595 ug/l	98
39) Methylcyclohexane	9.109	83	74878	18.540 ug/l	97
40) Benzene	8.079	78	193271	19.090 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	15817m	18.667	ug/l		
42) 1,2-Dichloroethane	8.158	62	54392	19.057	ug/l		100
43) Isopropyl Acetate	8.195	43	54667	18.080	ug/l		99
44) Trichloroethene	8.865	130	50130	19.433	ug/l		98
45) 1,2-Dichloropropane	9.140	63	46400	19.361	ug/l		100
46) Dibromomethane	9.231	93	25939	18.781	ug/l		98
47) Bromodichloromethane	9.420	83	69458	19.408	ug/l		99
48) Methyl methacrylate	9.219	41	25306	18.236	ug/l		97
49) 1,4-Dioxane	9.231	88	5687	384.365	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	141751	90.088	ug/l		99
52) Toluene	10.170	92	119838	18.972	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	59854	18.829	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	69651	18.573	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	34633	19.485	ug/l		99
56) Ethyl methacrylate	10.438	69	40910	18.026	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57918	18.868	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	105979	95.722	ug/l		100
59) 2-Hexanone	10.761	43	92448	88.221	ug/l		98
60) Dibromochloromethane	10.908	129	46610	19.207	ug/l		99
61) 1,2-Dibromoethane	11.011	107	31579	18.940	ug/l		99
64) Tetrachloroethene	10.646	164	55676	20.410	ug/l		99
65) Chlorobenzene	11.444	112	131622	19.170	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	46936	19.267	ug/l		99
67) Ethyl Benzene	11.517	91	223644	18.996	ug/l		99
68) m/p-Xylenes	11.627	106	173569	38.499	ug/l		99
69) o-Xylene	11.956	106	78213	18.794	ug/l		98
70) Styrene	11.969	104	132607	19.111	ug/l		99
71) Bromoform	12.133	173	27344	19.678	ug/l	#	99
73) Isopropylbenzene	12.255	105	211355	18.722	ug/l		100
74) N-amyl acetate	12.072	43	45960	17.347	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36248	17.859	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	27503m	18.255	ug/l		
77) Bromobenzene	12.529	156	50842	18.757	ug/l		99
78) n-propylbenzene	12.597	91	259575	19.126	ug/l		100
79) 2-Chlorotoluene	12.676	91	149376	18.949	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	174371	18.899	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11725	17.932	ug/l		98
82) 4-Chlorotoluene	12.779	91	156430	19.034	ug/l		100
83) tert-Butylbenzene	12.999	119	154652	18.819	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	173659	19.044	ug/l		99
85) sec-Butylbenzene	13.176	105	231681	19.291	ug/l		100
86) p-Isopropyltoluene	13.291	119	190946	19.237	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	102012	19.103	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	99610	18.879	ug/l		97
89) n-Butylbenzene	13.615	91	171547	18.688	ug/l		99
90) Hexachloroethane	13.877	117	41020	18.858	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	89545	19.263	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5695	18.104	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	46354	18.388	ug/l		99
94) Hexachlorobutadiene	15.023	225	30099	19.118	ug/l		99
95) Naphthalene	15.145	128	71772	17.176	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39094	18.186	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

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

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

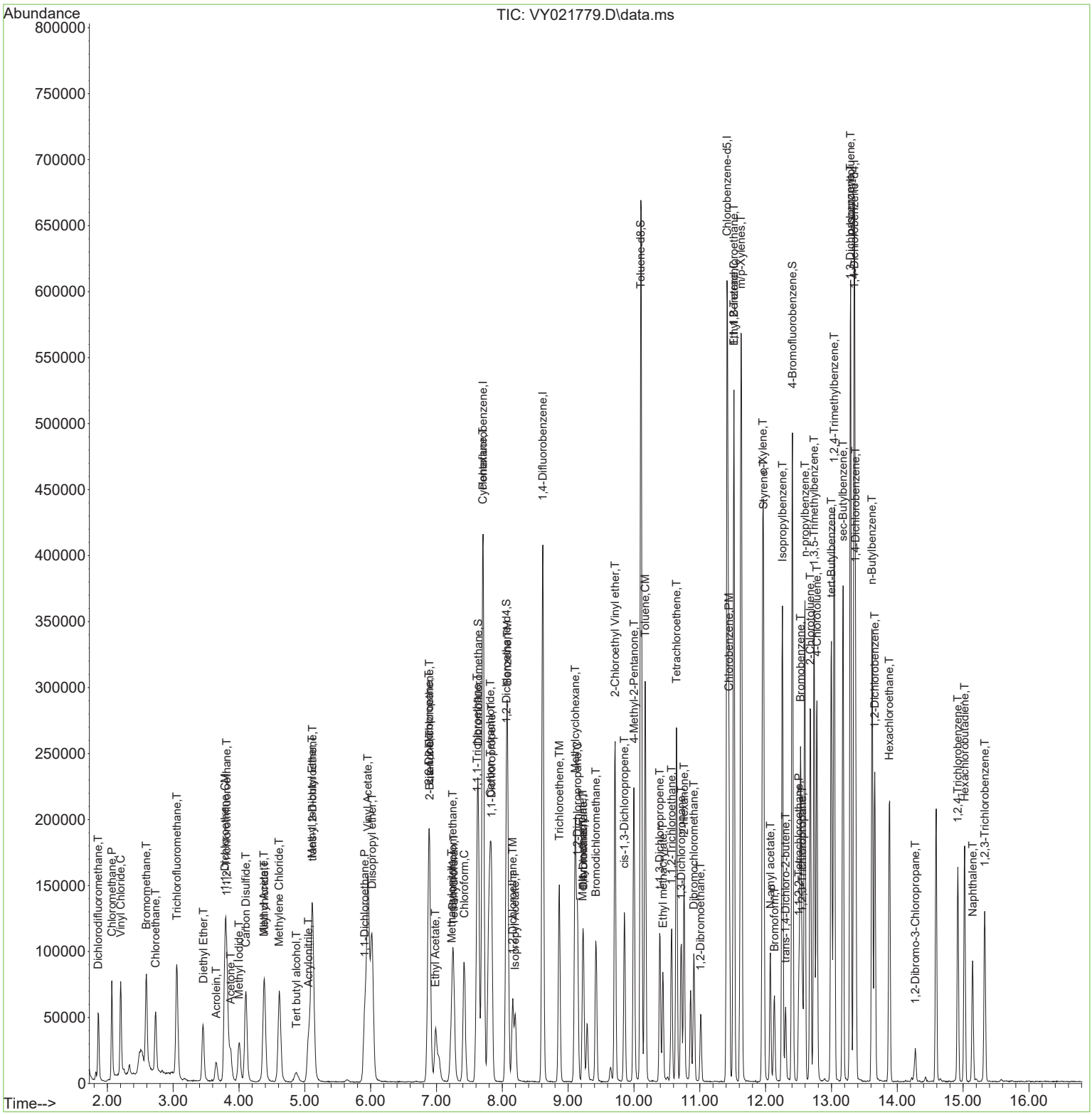
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Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

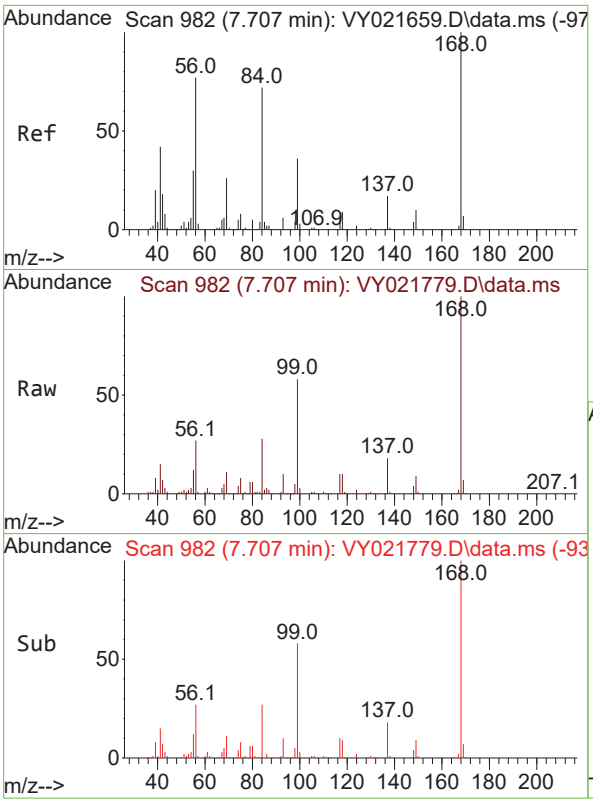
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

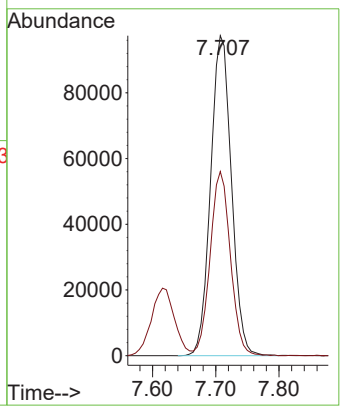




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:168 Resp: 22212

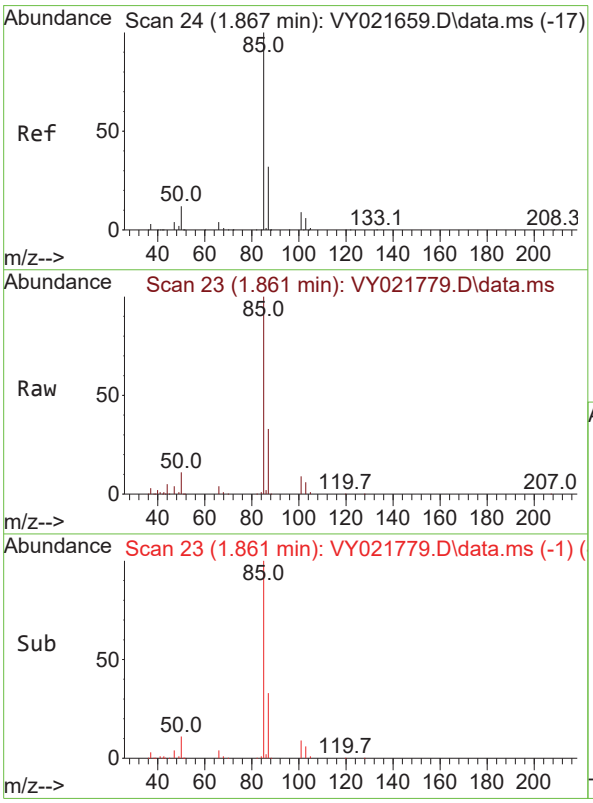
Ion	Ratio	Lower	Upper
168	100		
99	57.6	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

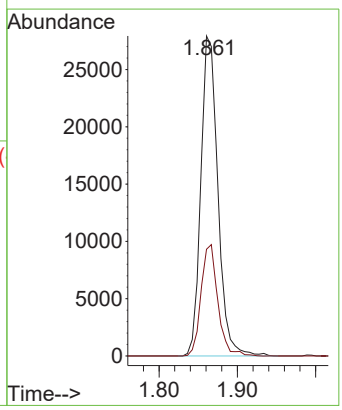
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

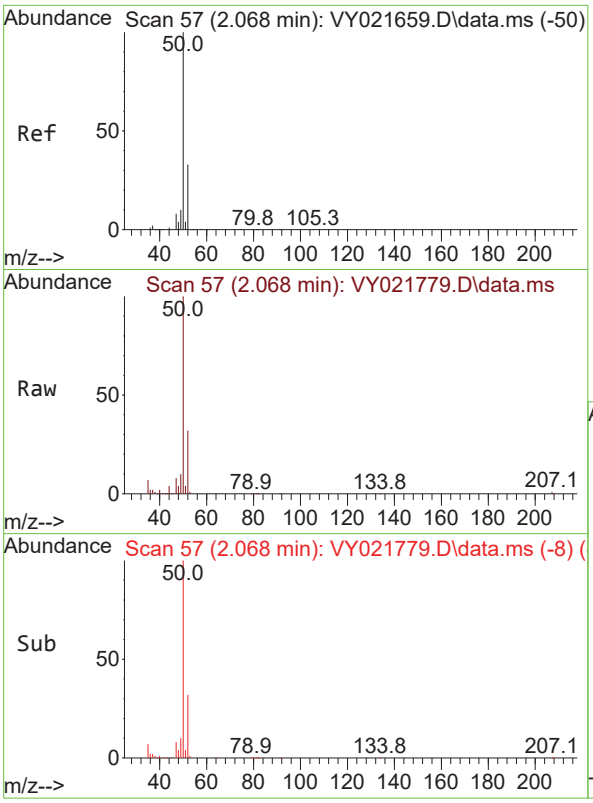


#2
Dichlorodifluoromethane
Concen: 18.309 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 85 Resp: 42153

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.2	48.6

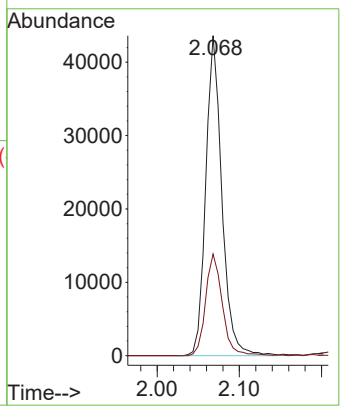




#3
Chloromethane
Concen: 18.329 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 50 Resp: 5933

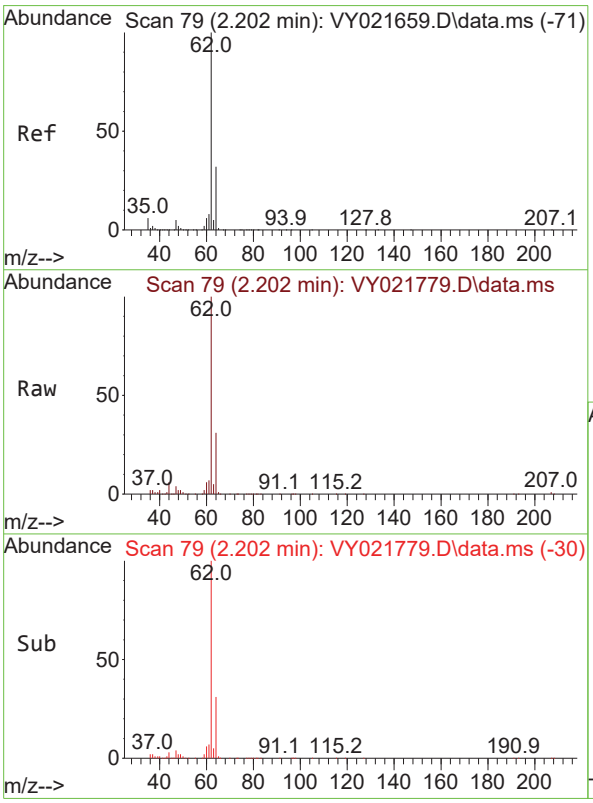
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

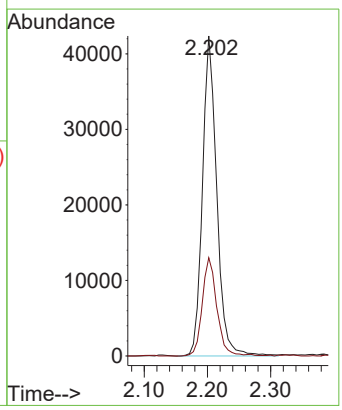
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

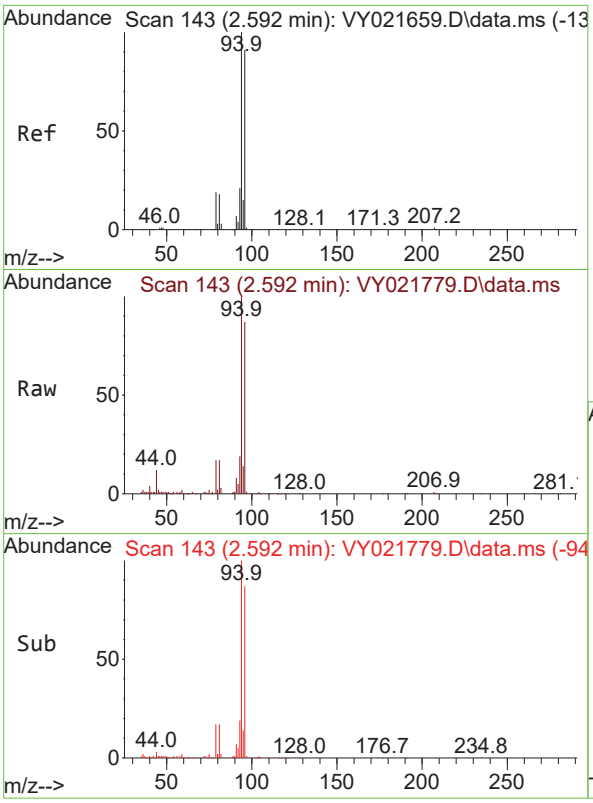


#4
Vinyl Chloride
Concen: 18.205 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 62 Resp: 66651

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.5	38.3





#5
Bromomethane
Concen: 19.158 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

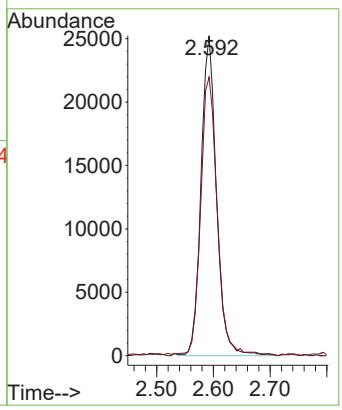
Tgt Ion: 94 Resp: 4783

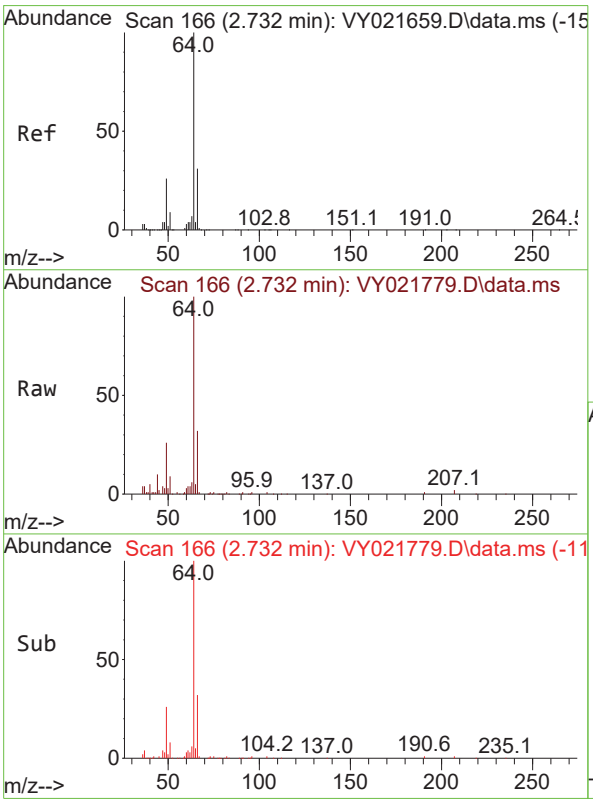
Ion	Ratio	Lower	Upper
94	100		
96	87.0	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

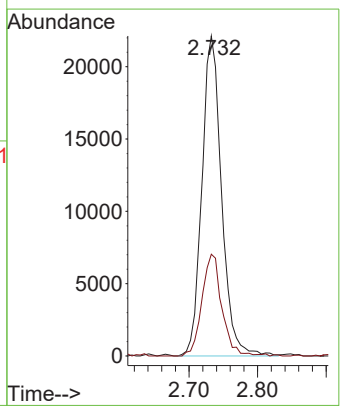


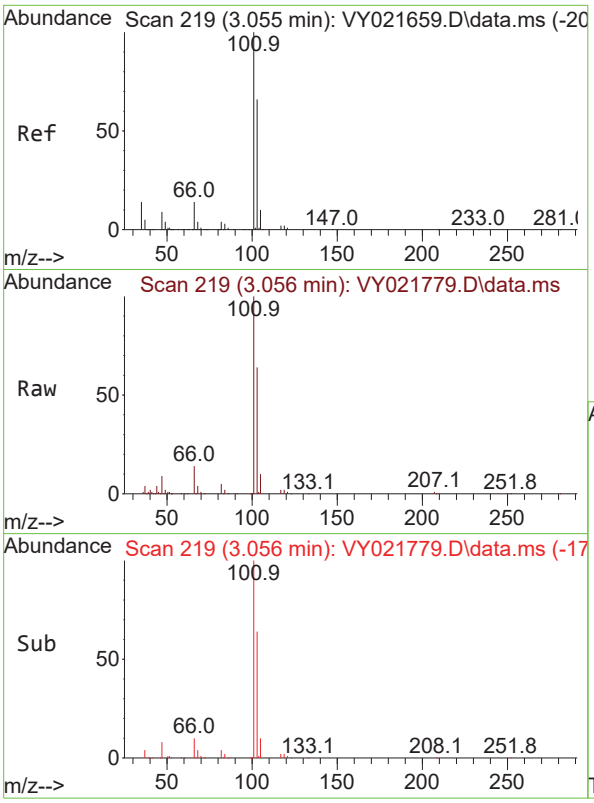


#6
Chloroethane
Concen: 18.477 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 64 Resp: 44266

Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.9	37.3

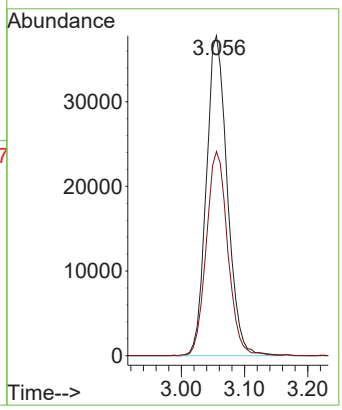




#7
Trichlorofluoromethane
Concen: 18.549 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:101 Resp: 8699

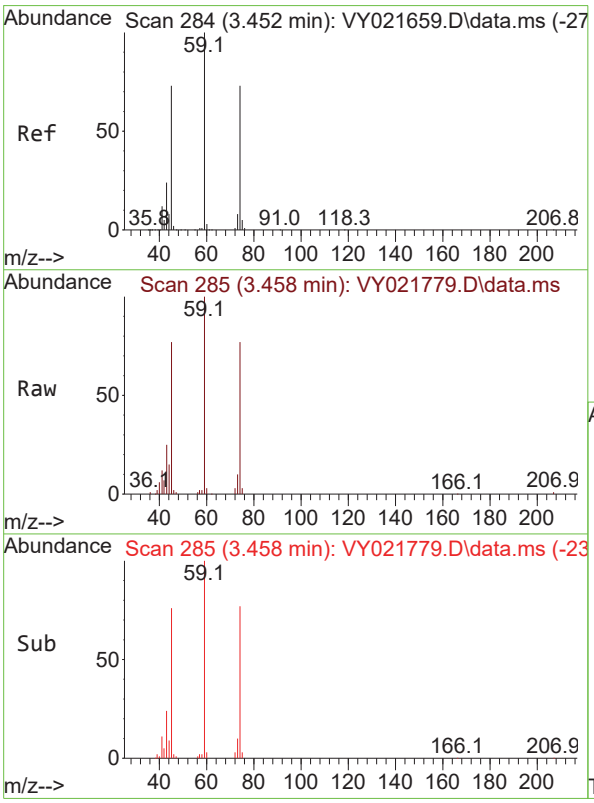
Ion	Ratio	Lower	Upper
101	100		
103	63.8	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

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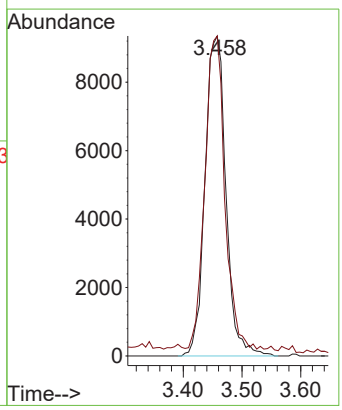
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

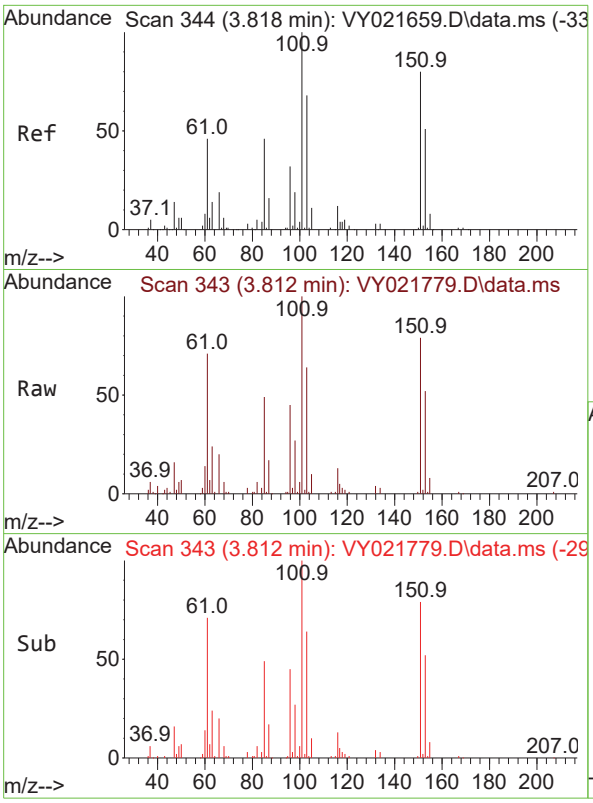


#8
Diethyl Ether
Concen: 18.078 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 74 Resp: 23057

Ion	Ratio	Lower	Upper
74	100		
45	92.7	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.235 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

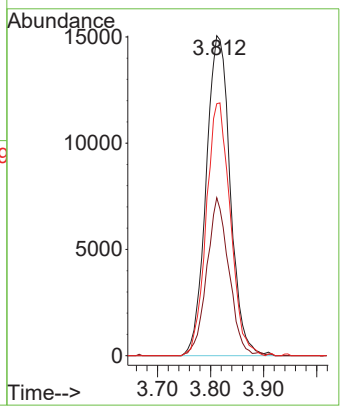
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

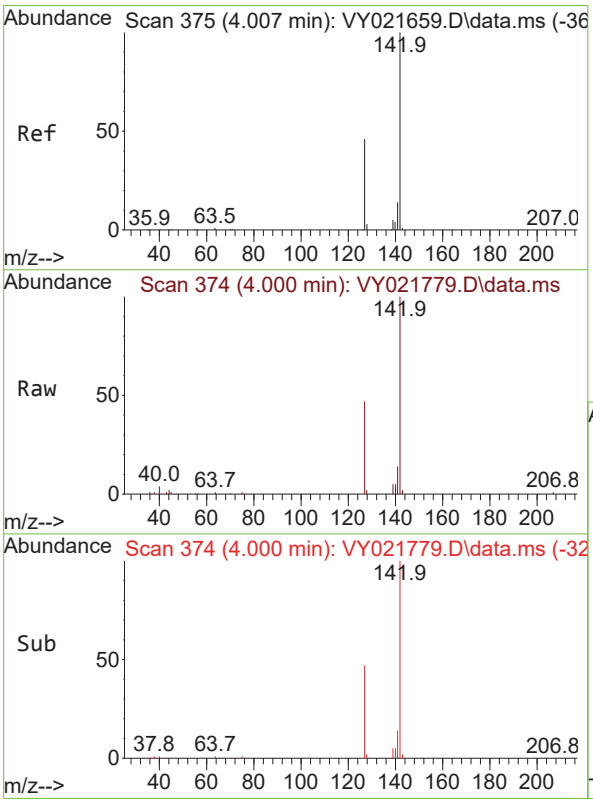
Tgt Ion:101 Resp: 4758

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.3	54.5
151	78.7	61.3	91.9

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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

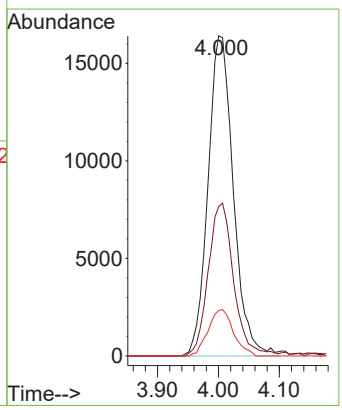


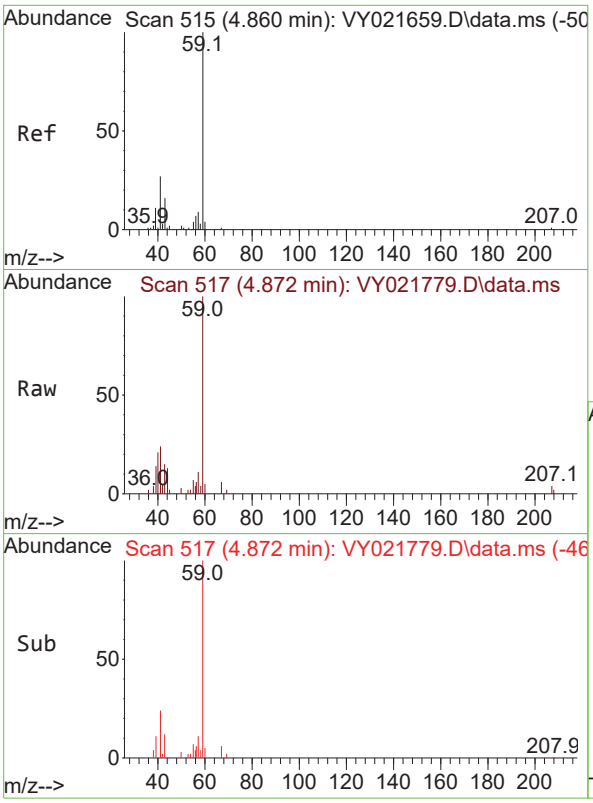


#10
Methyl Iodide
Concen: 17.468 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:142 Resp: 47402

Ion	Ratio	Lower	Upper
142	100		
127	47.8	38.7	58.1
141	14.5	11.5	17.3

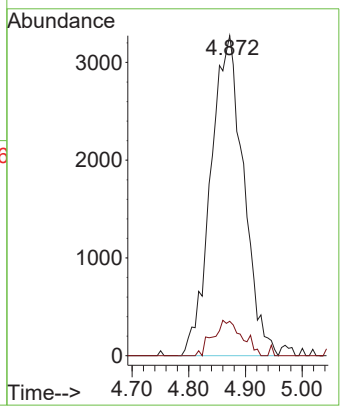




#11
Tert butyl alcohol
Concen: 83.987 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 59 Resp: 1312

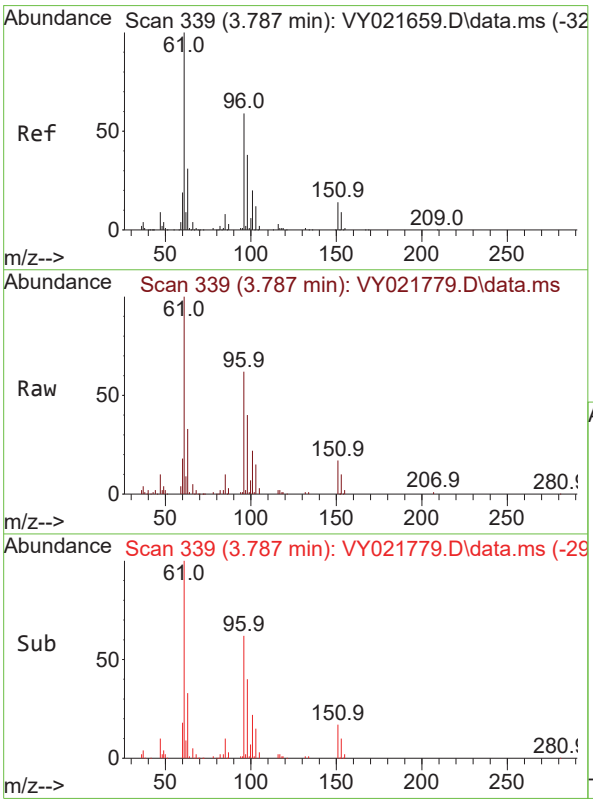
Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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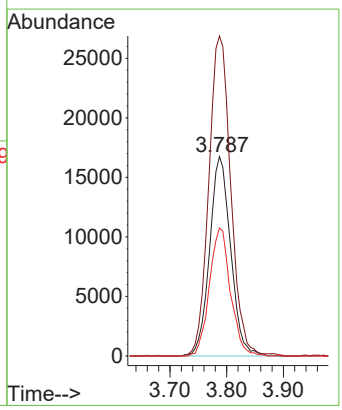
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

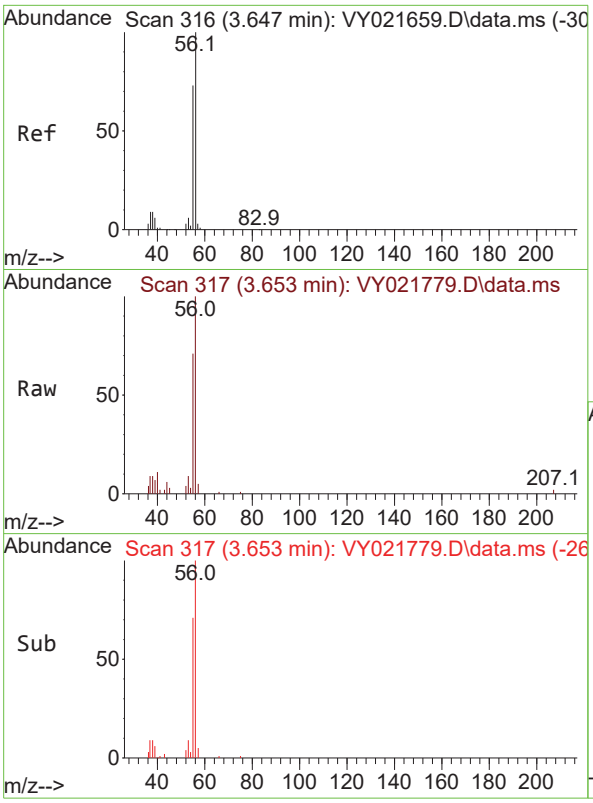


#12
1,1-Dichloroethene
Concen: 18.565 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 96 Resp: 43256

Ion	Ratio	Lower	Upper
96	100		
61	160.5	136.6	204.8
98	64.2	52.3	78.5

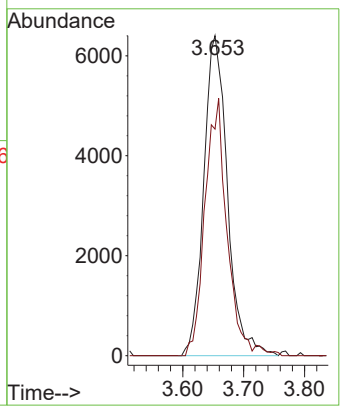




#13
Acrolein
Concen: 60.655 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 56 Resp: 1731

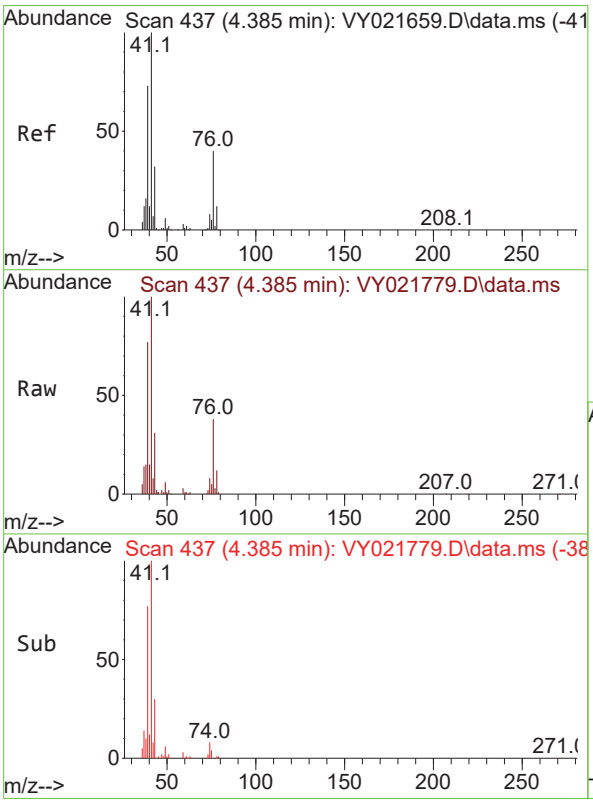
Ion	Ratio	Lower	Upper
56	100		
55	75.3	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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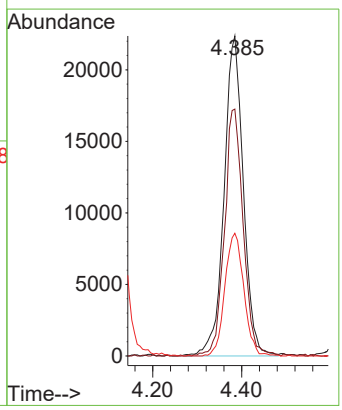
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

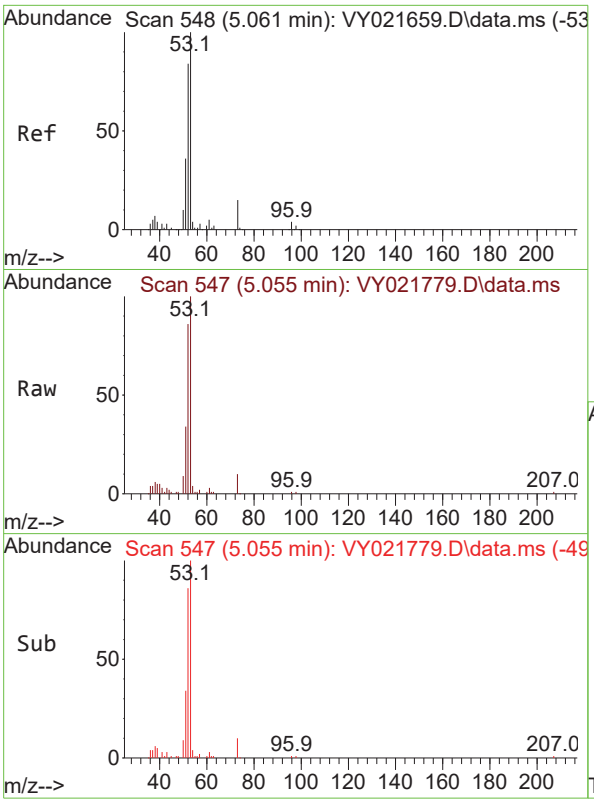


#14
Allyl chloride
Concen: 18.101 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 41 Resp: 67244

Ion	Ratio	Lower	Upper
41	100		
39	74.9	58.6	88.0
76	37.7	30.3	45.5





#15
Acrylonitrile
Concen: 90.082 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

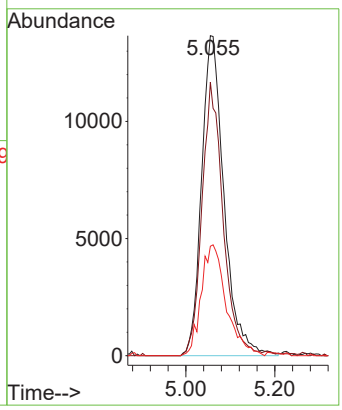
Tgt Ion: 53 Resp: 4797

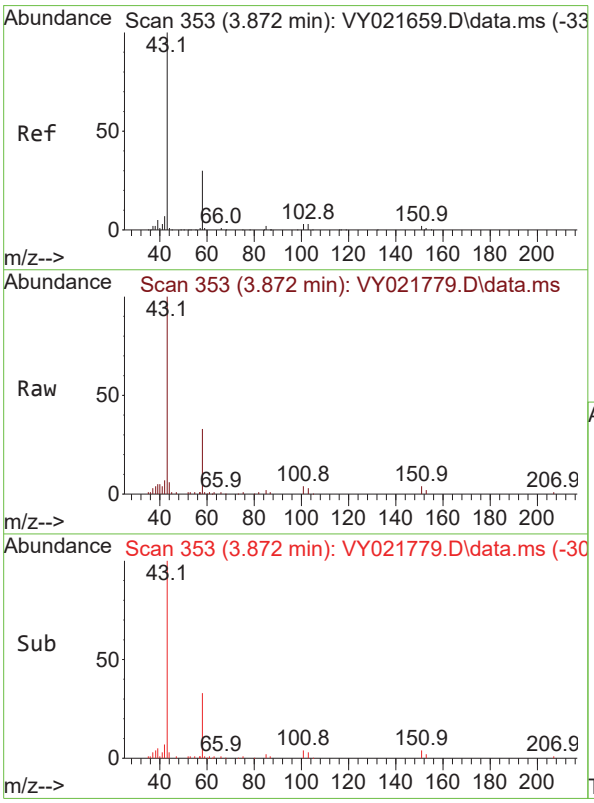
Ion	Ratio	Lower	Upper
53	100		
52	80.3	64.9	97.3
51	38.6	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

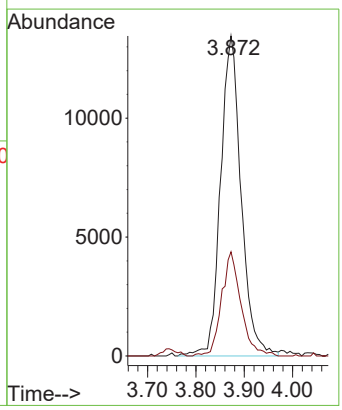


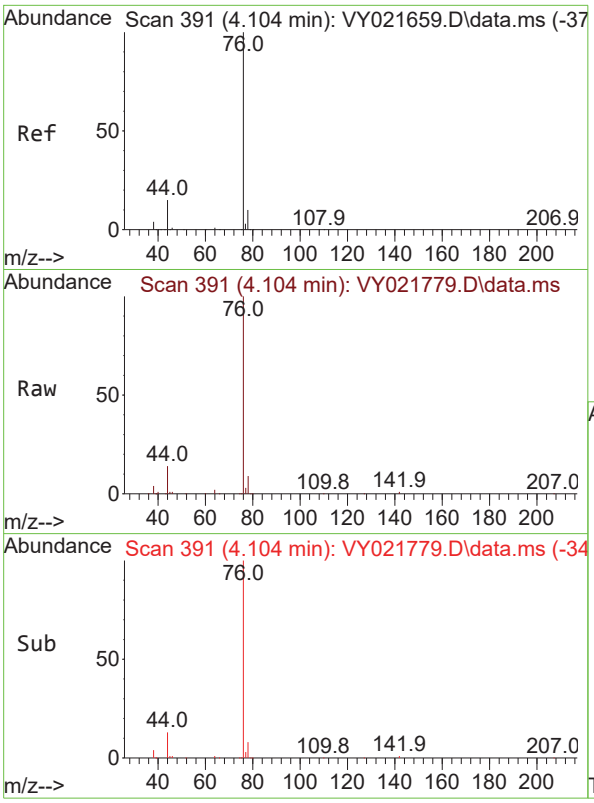


#16
Acetone
Concen: 80.784 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 39791

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.2	36.4

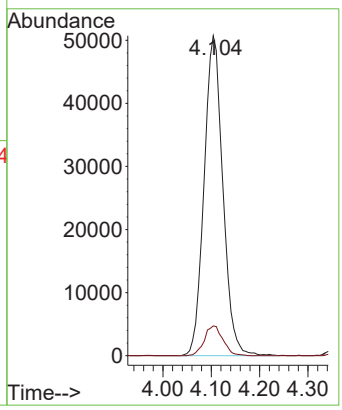




#17
Carbon Disulfide
Concen: 17.828 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 76 Resp: 13681

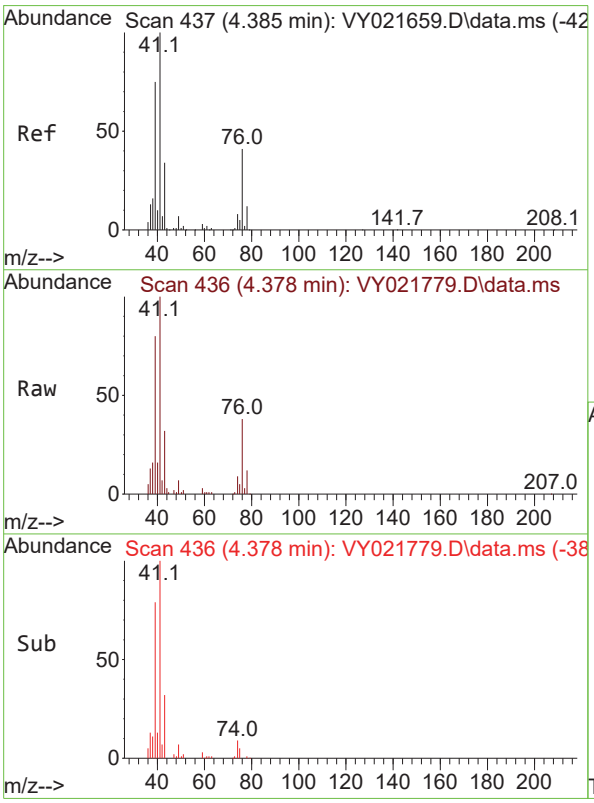
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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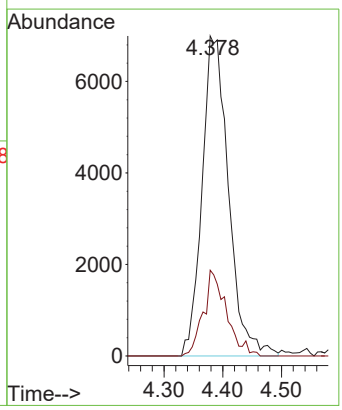
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

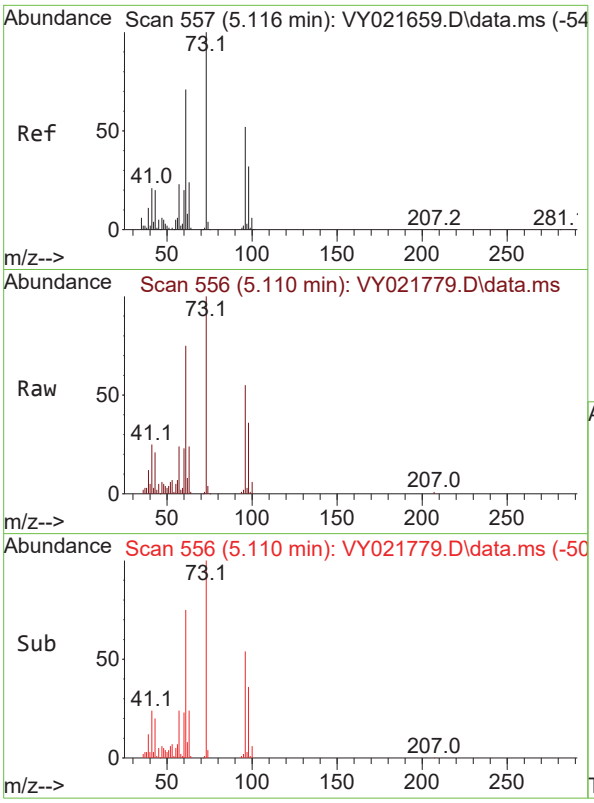


#18
Methyl Acetate
Concen: 17.942 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 21903

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.1	28.7

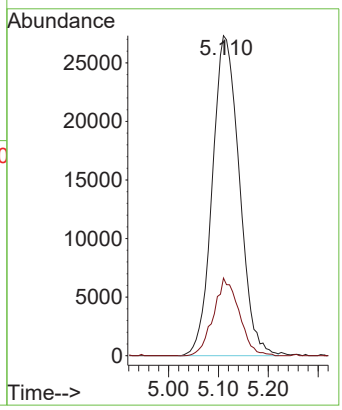




#19
Methyl tert-butyl Ether
Concen: 17.696 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 73 Resp: 10265

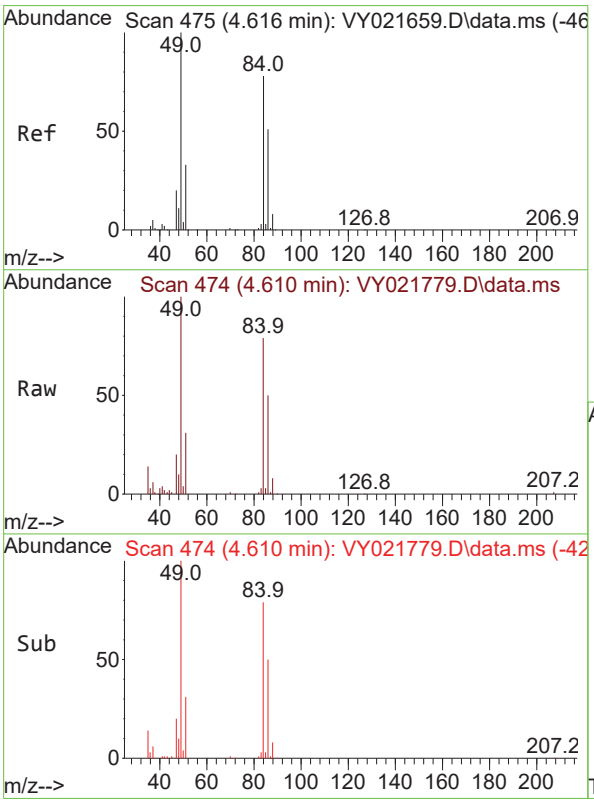
Ion	Ratio	Lower	Upper
73	100		
57	24.3	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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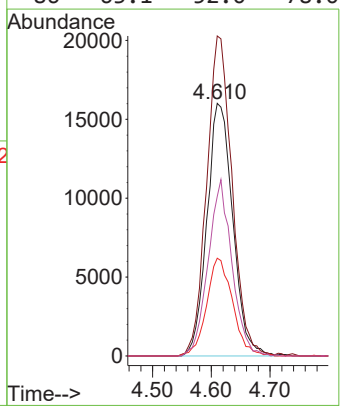
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

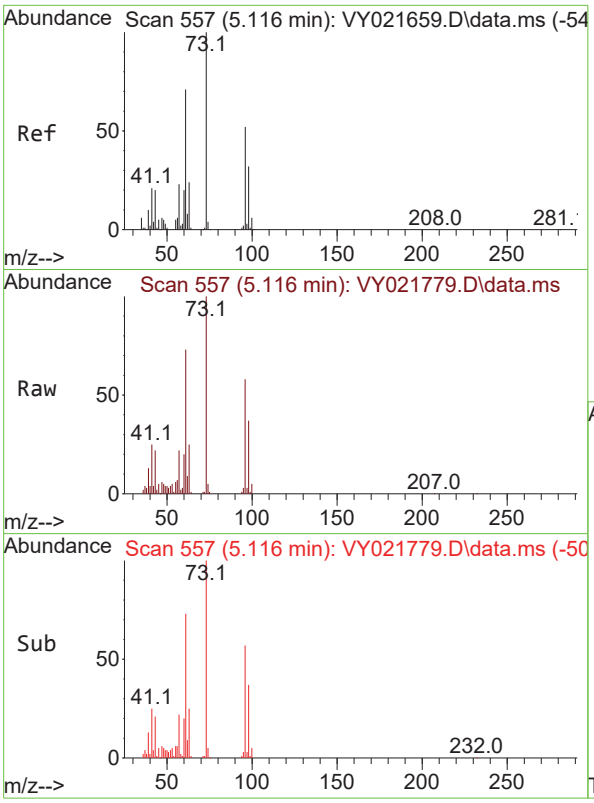


#20
Methylene Chloride
Concen: 17.807 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 84 Resp: 48920

Ion	Ratio	Lower	Upper
84	100		
49	126.7	102.8	154.2
51	38.7	33.5	50.3
86	63.1	52.0	78.0

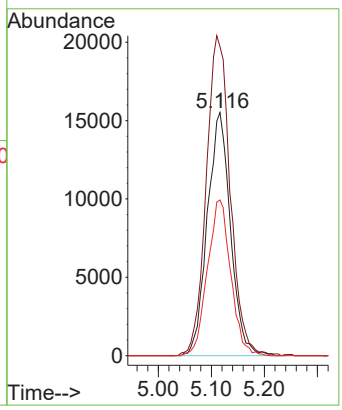




#21
trans-1,2-Dichloroethene
Concen: 18.392 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 96 Resp: 4718

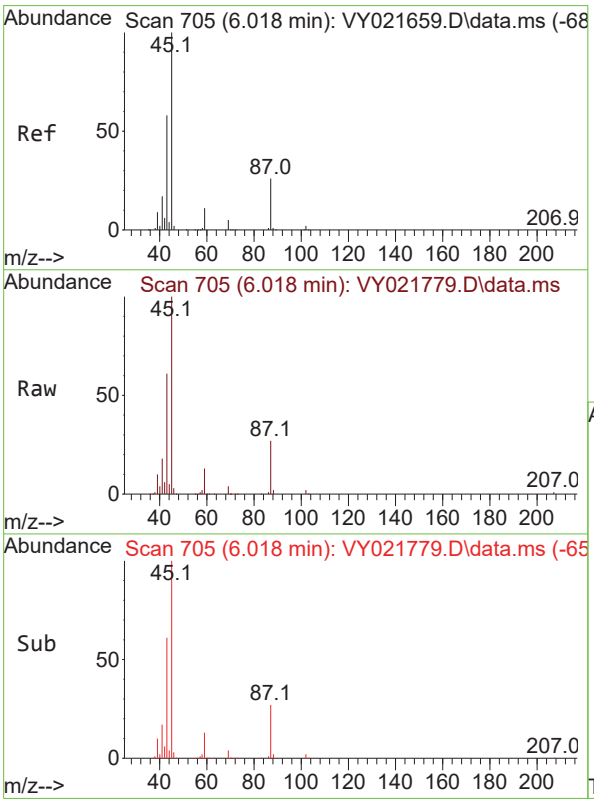
Ion	Ratio	Lower	Upper
96	100		
61	127.1	109.4	164.0
98	64.0	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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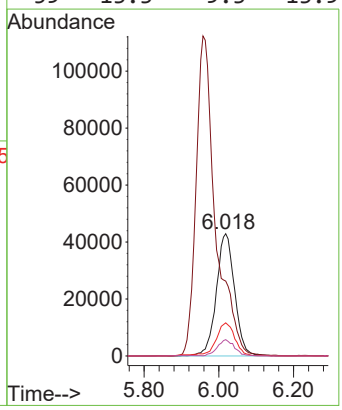
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

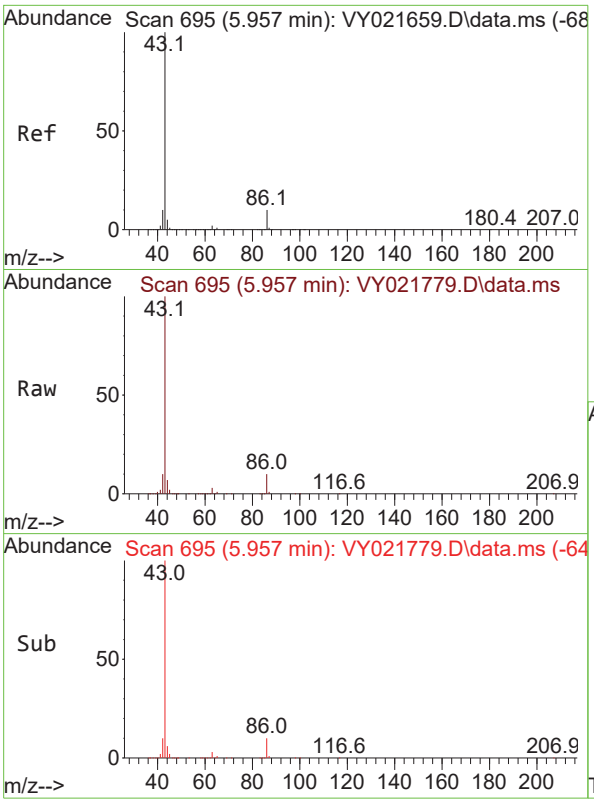


#22
Diisopropyl ether
Concen: 18.736 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 45 Resp: 146004

Ion	Ratio	Lower	Upper
45	100		
43	60.9	46.6	69.8
87	27.1	20.7	31.1
59	13.3	9.3	13.9





#23
Vinyl Acetate
Concen: 88.983 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

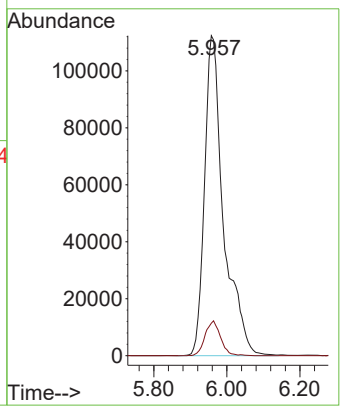
Tgt Ion: 43 Resp: 40565

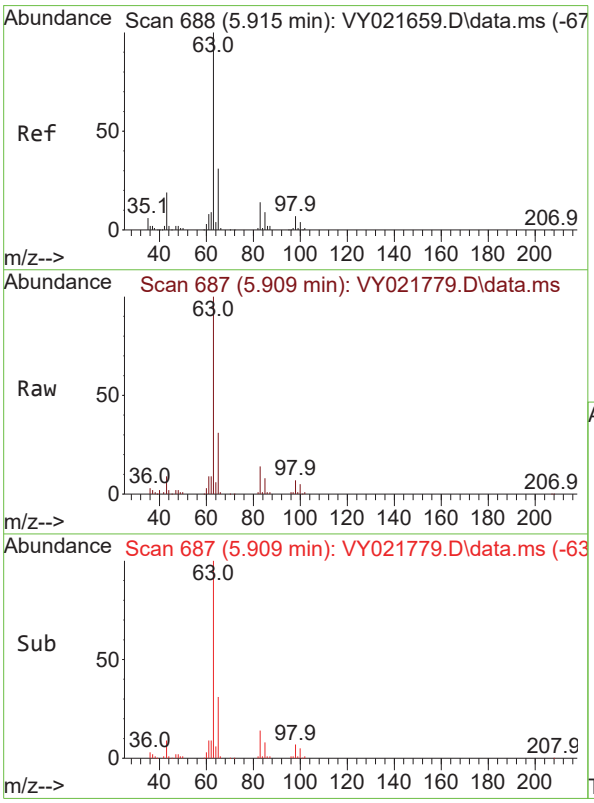
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

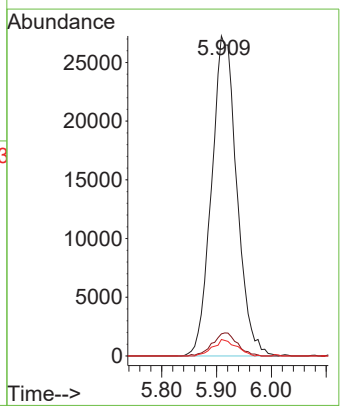


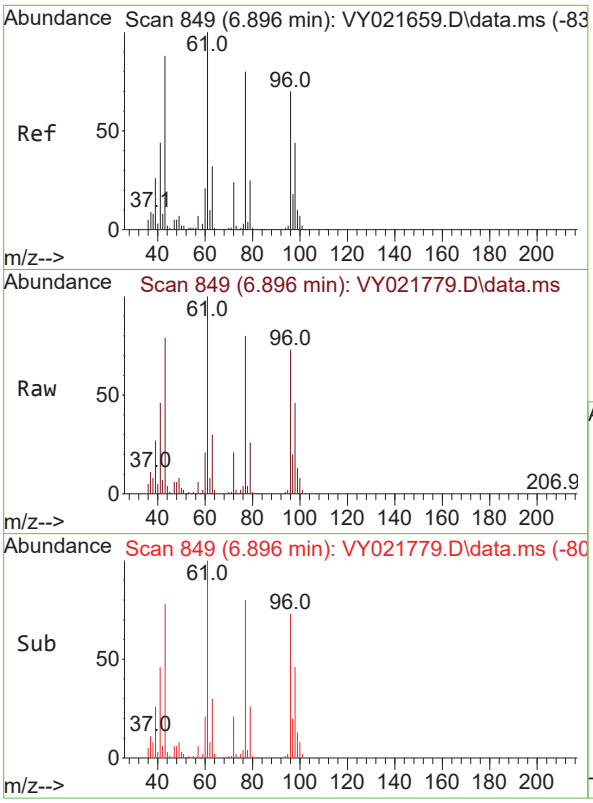


#24
1,1-Dichloroethane
Concen: 18.721 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 63 Resp: 87235

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	5.1	2.2	6.6





#25
2-Butanone
Concen: 84.459 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

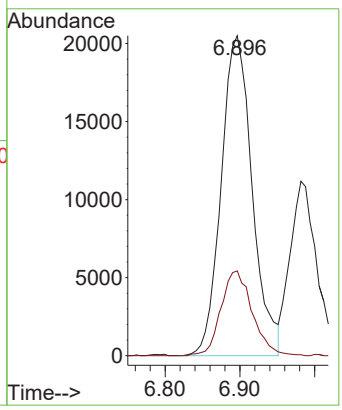
Tgt Ion: 43 Resp: 5941

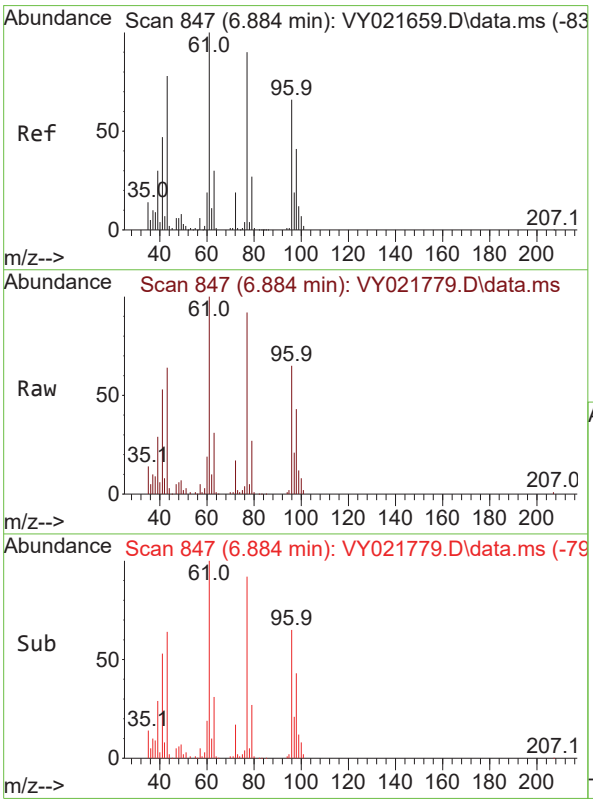
Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

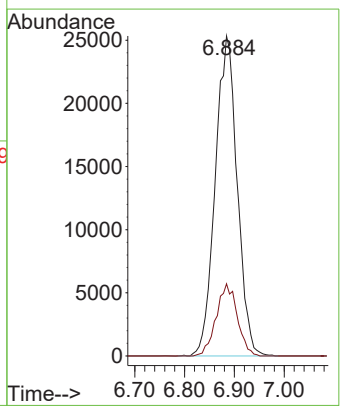


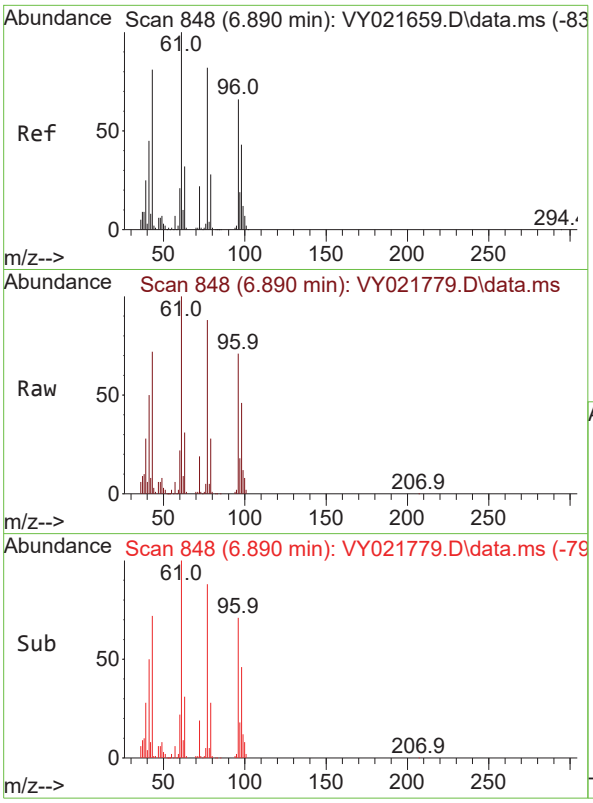


#26
2,2-Dichloropropane
Concen: 18.682 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 77 Resp: 77434

Ion	Ratio	Lower	Upper
77	100		
97	21.6	11.1	33.1

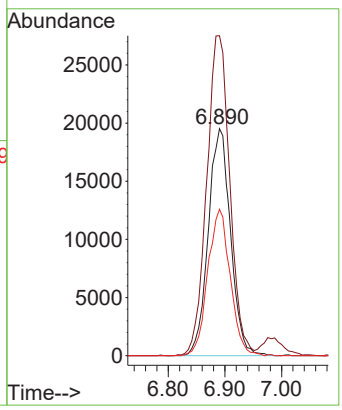




#27
cis-1,2-Dichloroethene
Concen: 18.489 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 96 Resp: 5333

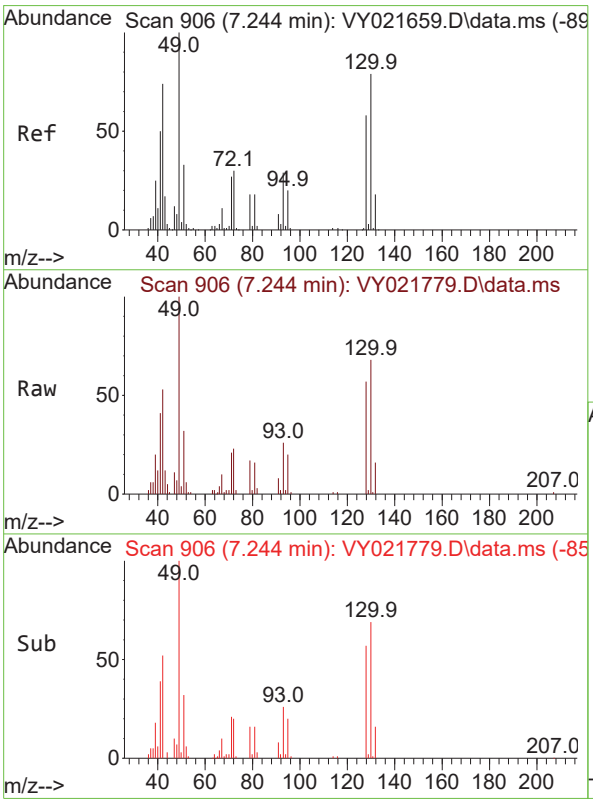
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	296.4
98	64.9	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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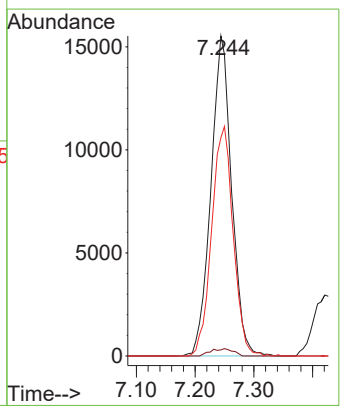
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

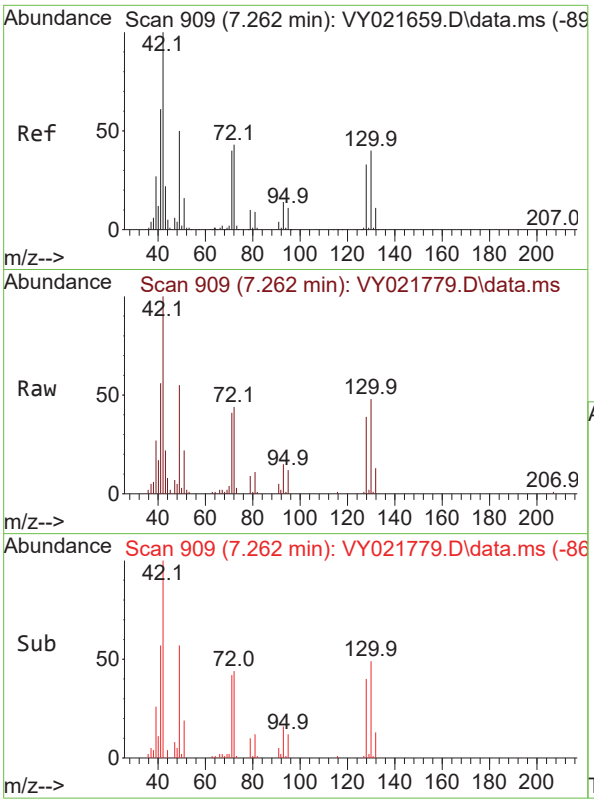


#28
Bromochloromethane
Concen: 19.353 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 49 Resp: 38032

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	74.3	60.1	90.1

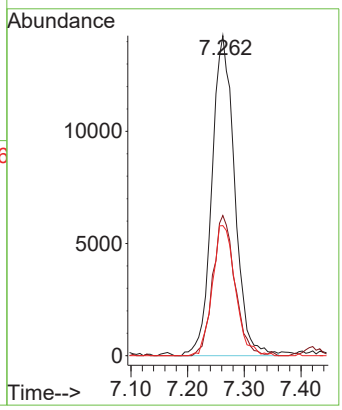




#29
Tetrahydrofuran
Concen: 87.766 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 42 Resp: 3973

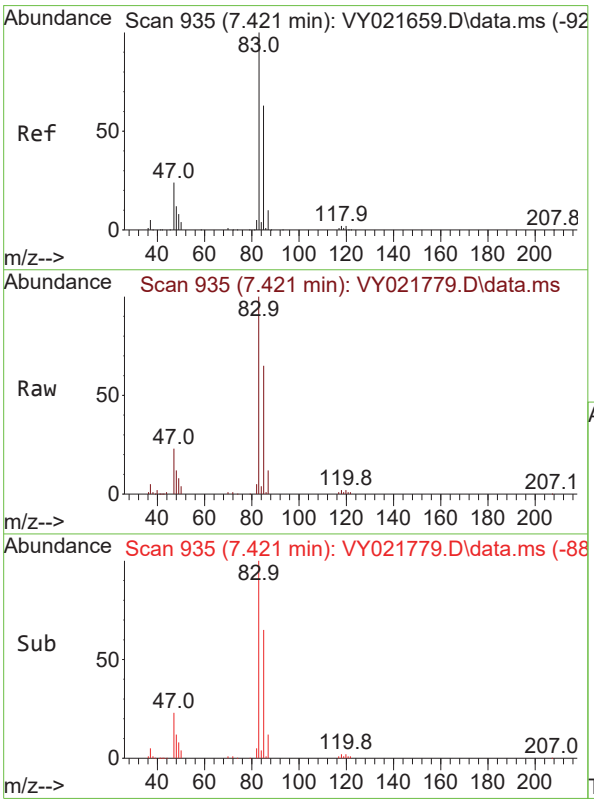
Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.6	52.0
71	40.9	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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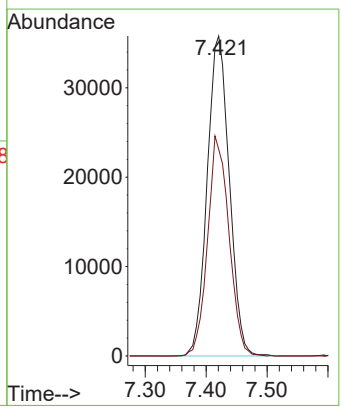
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

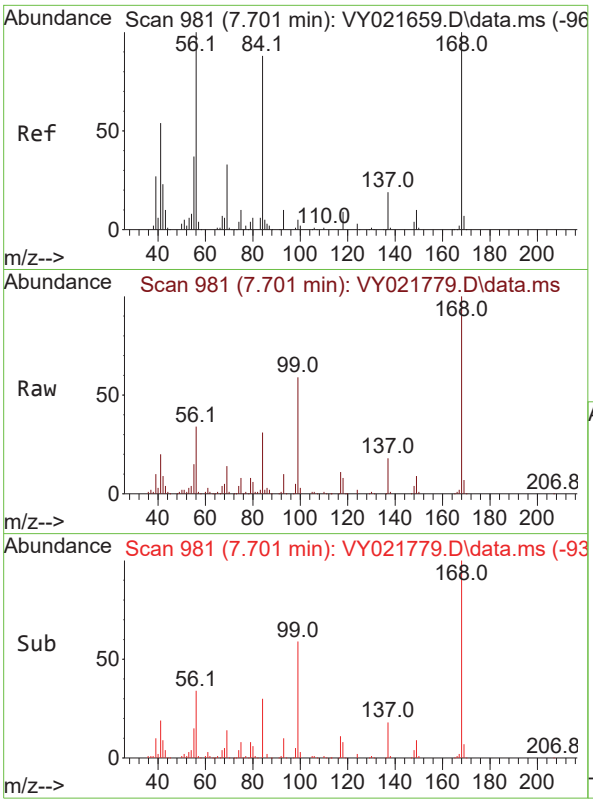


#30
Chloroform
Concen: 18.621 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 83 Resp: 90247

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8

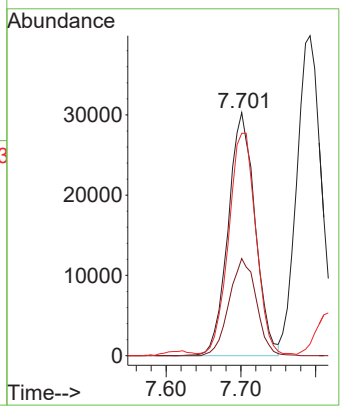




#31
Cyclohexane
Concen: 17.858 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 56 Resp: 7585

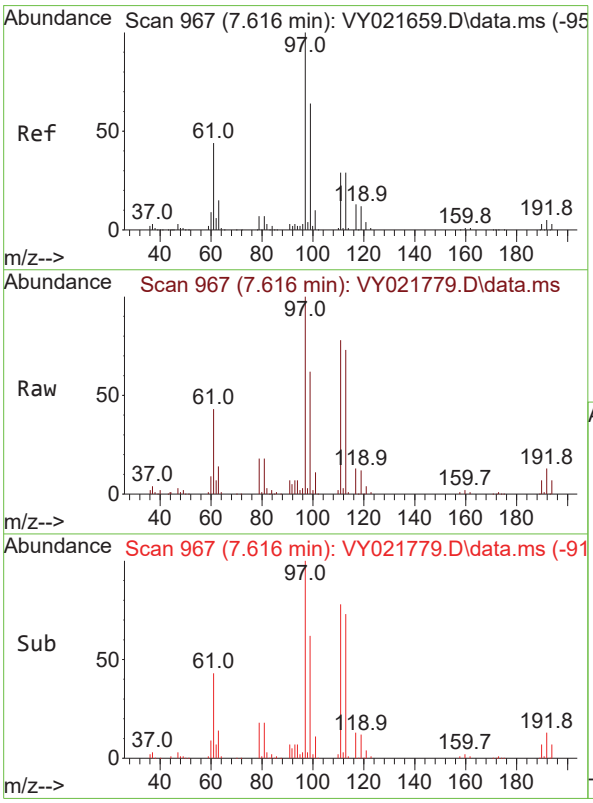
Ion	Ratio	Lower	Upper
56	100		
69	40.0	26.6	40.0
84	89.8	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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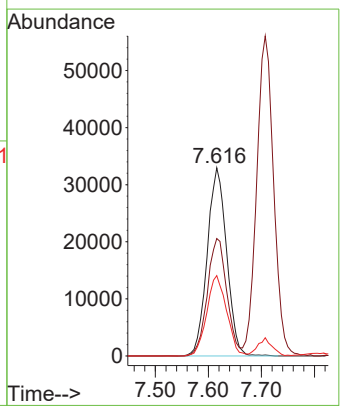
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

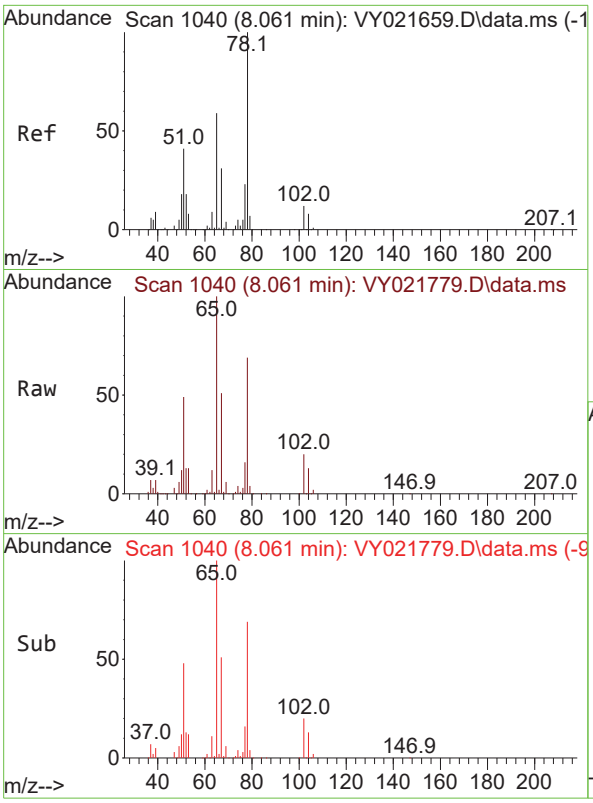


#32
1,1,1-Trichloroethane
Concen: 19.159 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 97 Resp: 83924

Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.7	76.1
61	43.7	35.2	52.8

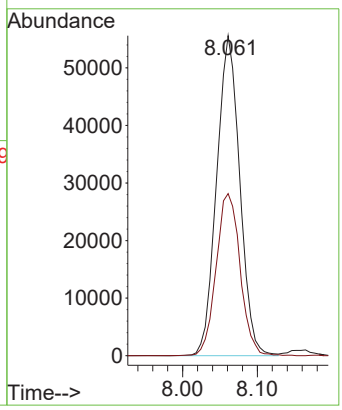




#33
1,2-Dichloroethane-d4
Concen: 49.756 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 65 Resp: 11974

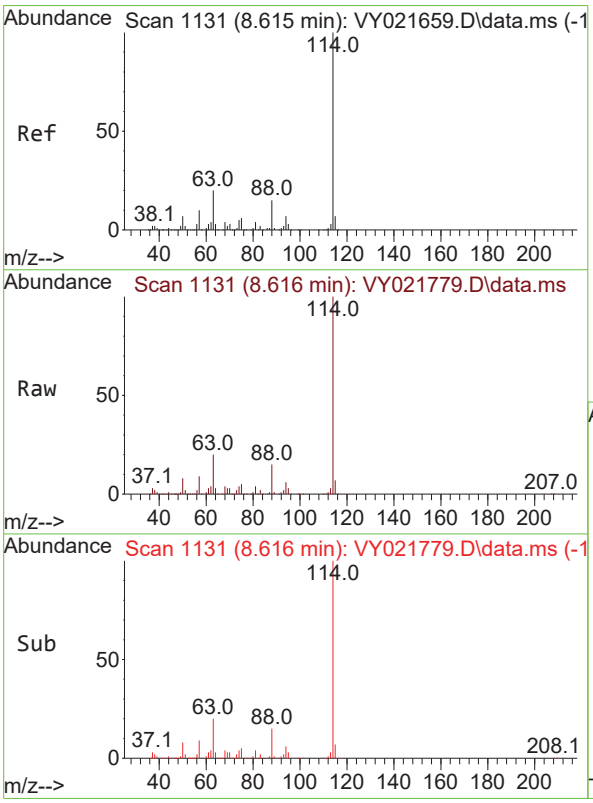
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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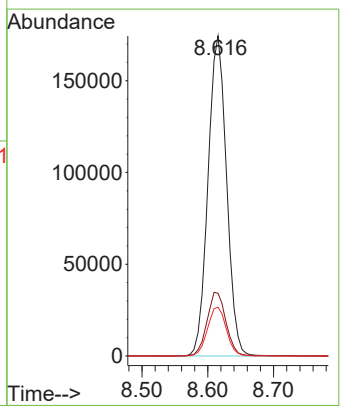
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

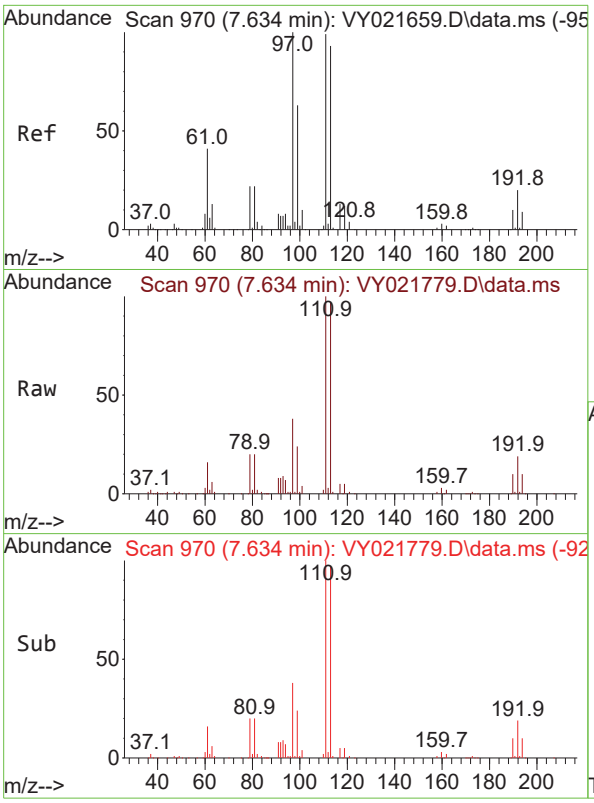


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:114 Resp: 342162

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.2
88	15.2	0.0	29.8

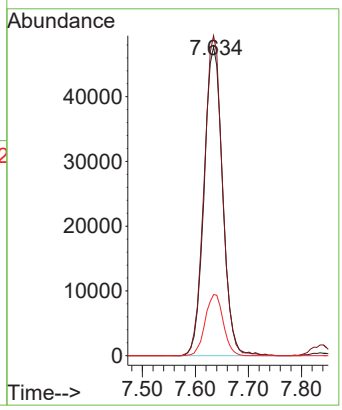




#35
Dibromofluoromethane
Concen: 52.075 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:113 Resp: 11558

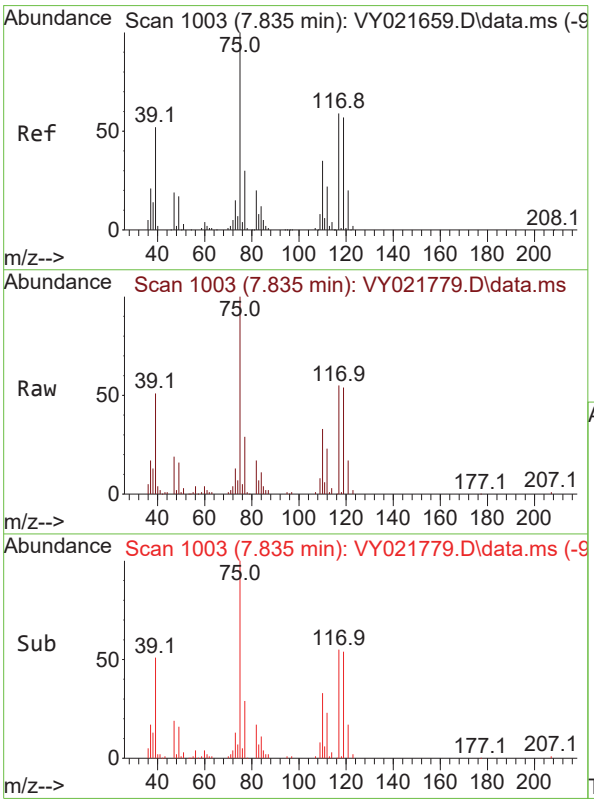
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	19.5	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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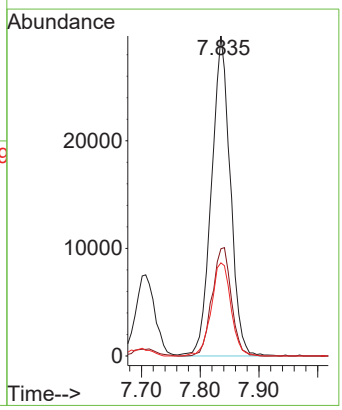
Reviewed By :Mahesh Dadoda 04/07/2025
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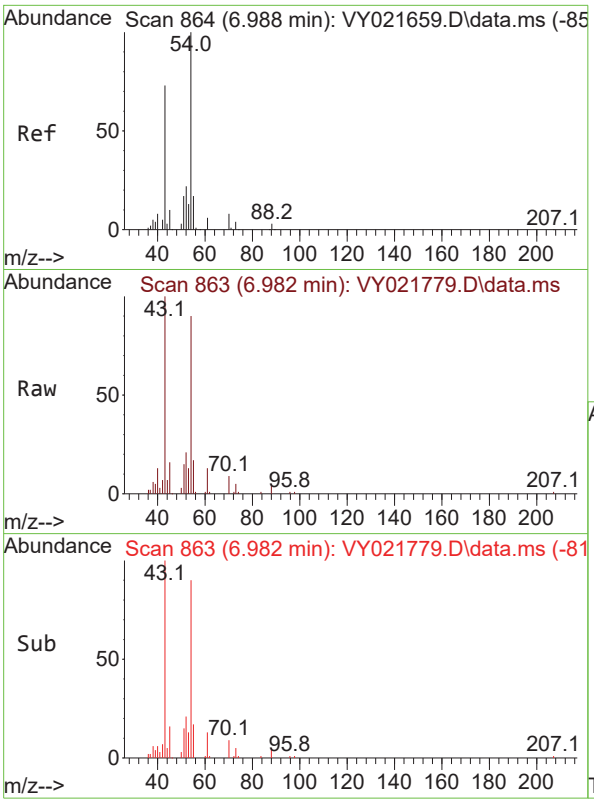


#36
1,1-Dichloropropene
Concen: 19.535 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 66042

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.0	50.9
77	30.5	24.8	37.2





#37
Ethyl Acetate
Concen: 18.209 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

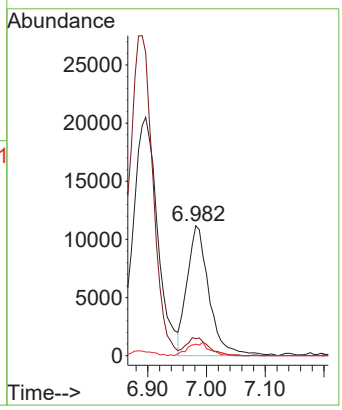
Tgt Ion: 43 Resp: 2905

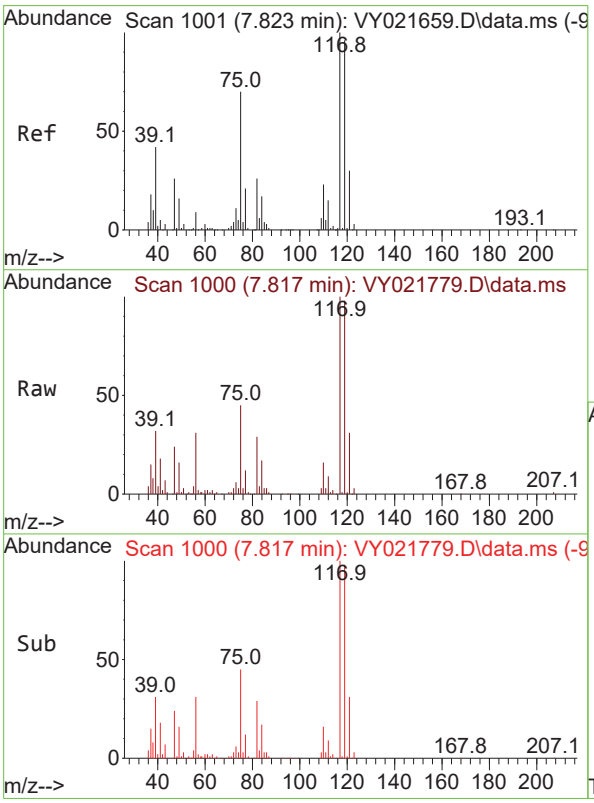
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	10.0	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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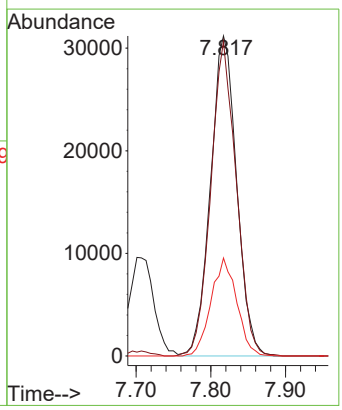


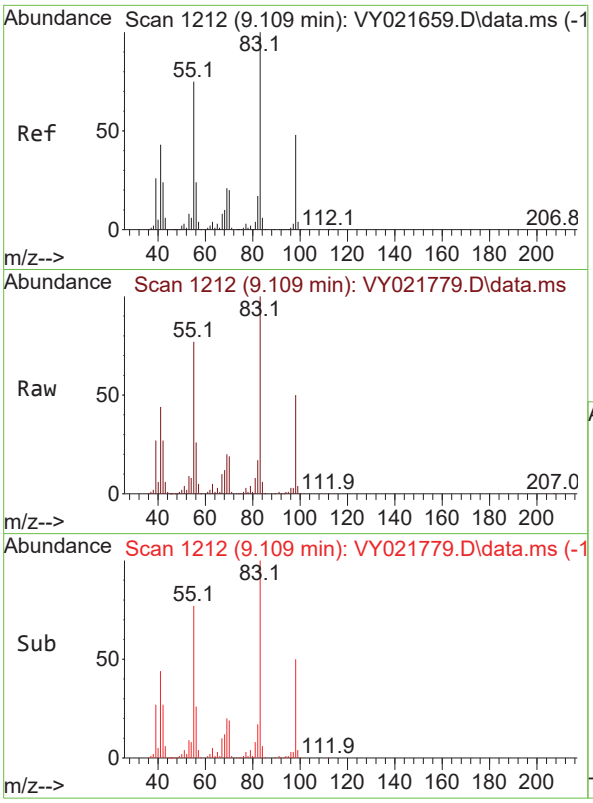


#38
Carbon Tetrachloride
Concen: 19.595 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:117 Resp: 75873

Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.2	114.4
121	30.6	24.2	36.4





#39
Methylcyclohexane
Concen: 18.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

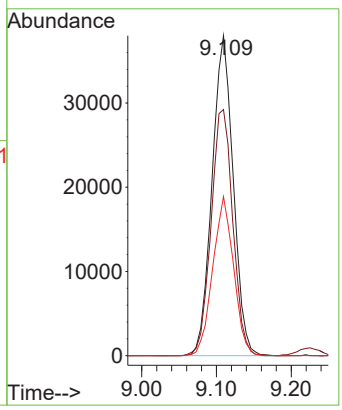
Tgt Ion: 83 Resp: 7487

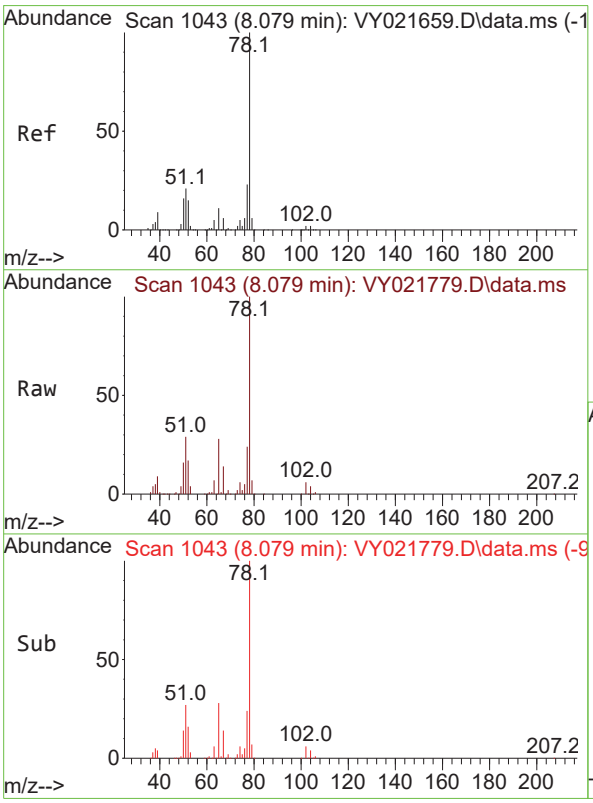
Ion	Ratio	Lower	Upper
83	100		
55	76.9	59.7	89.5
98	49.7	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

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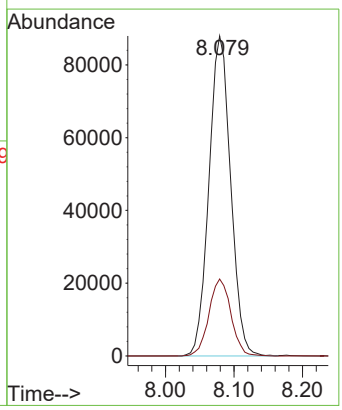


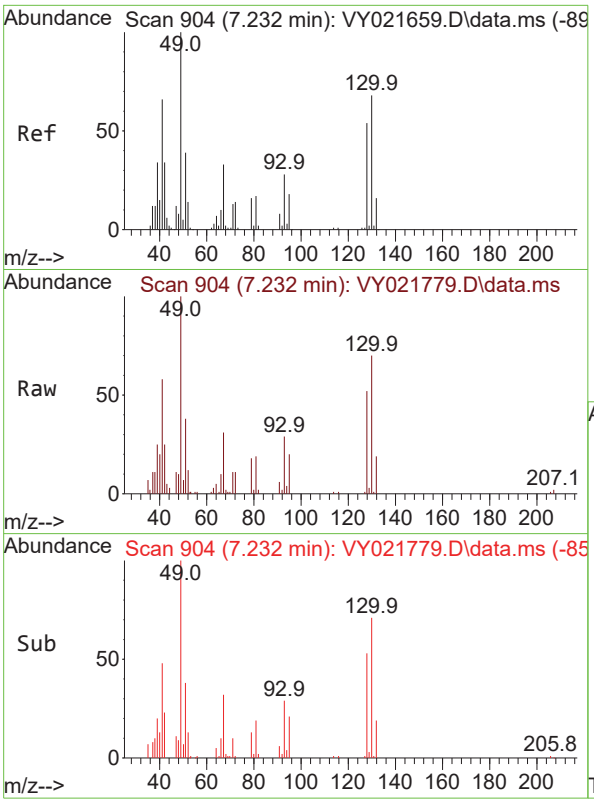


#40
Benzene
Concen: 19.090 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 78 Resp: 193271

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

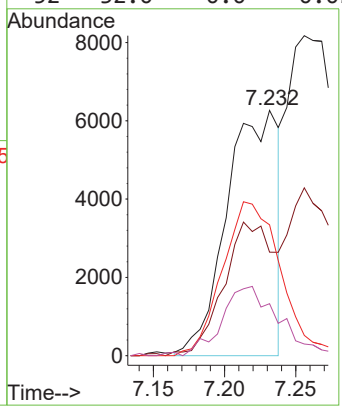




#41
Methacrylonitrile
Concen: 18.667 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 41 Resp: 1581

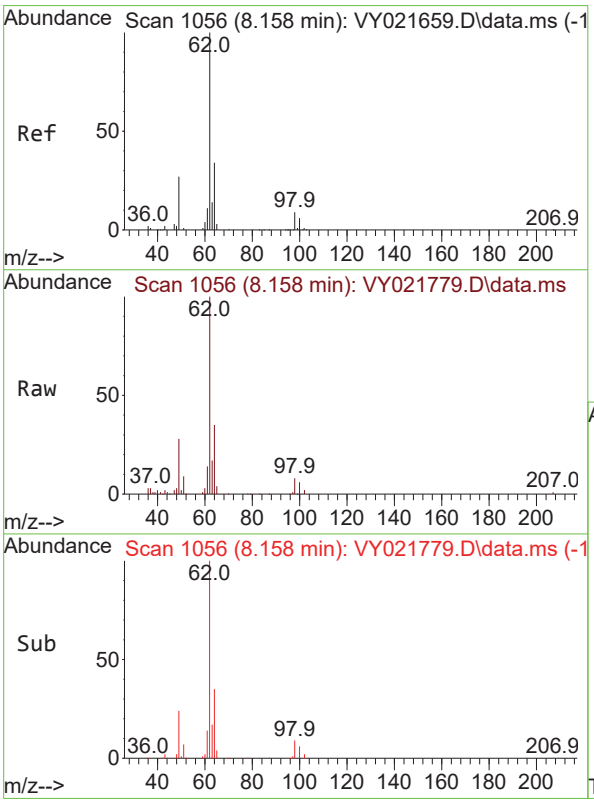
Ion	Ratio	Lower	Upper
41	100		
39	53.3	0.0	0.0#
67	71.5	0.0	0.0#
52	32.0	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

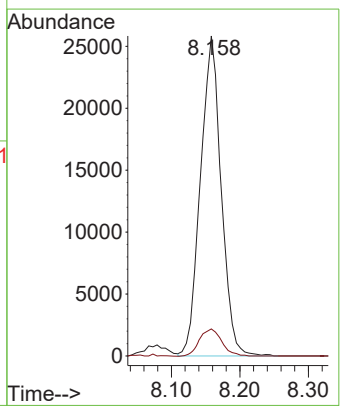
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

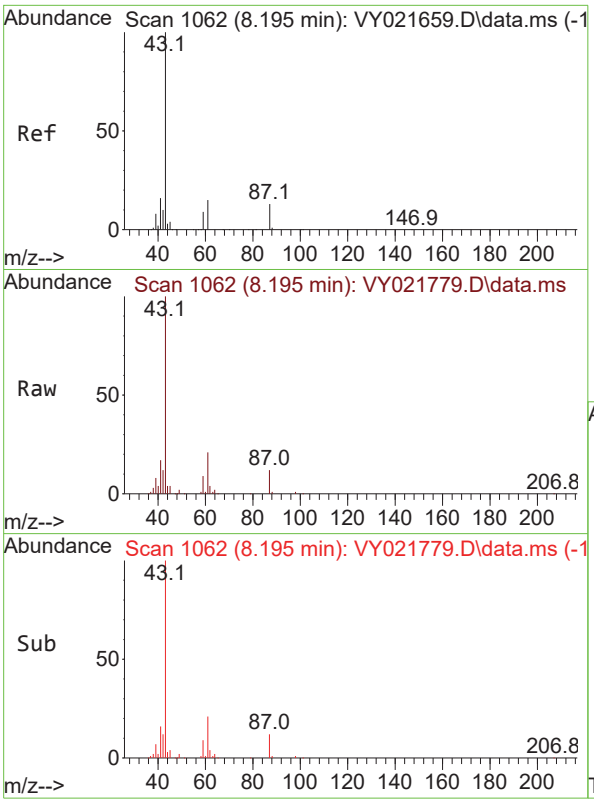


#42
1,2-Dichloroethane
Concen: 19.057 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 62 Resp: 54392

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 18.080 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

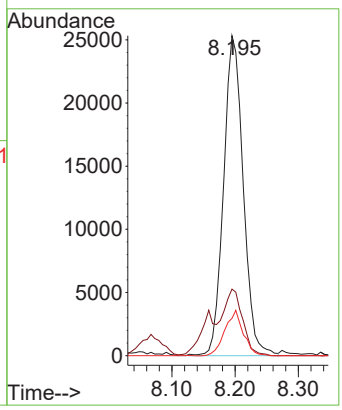
Tgt Ion: 43 Resp: 5466

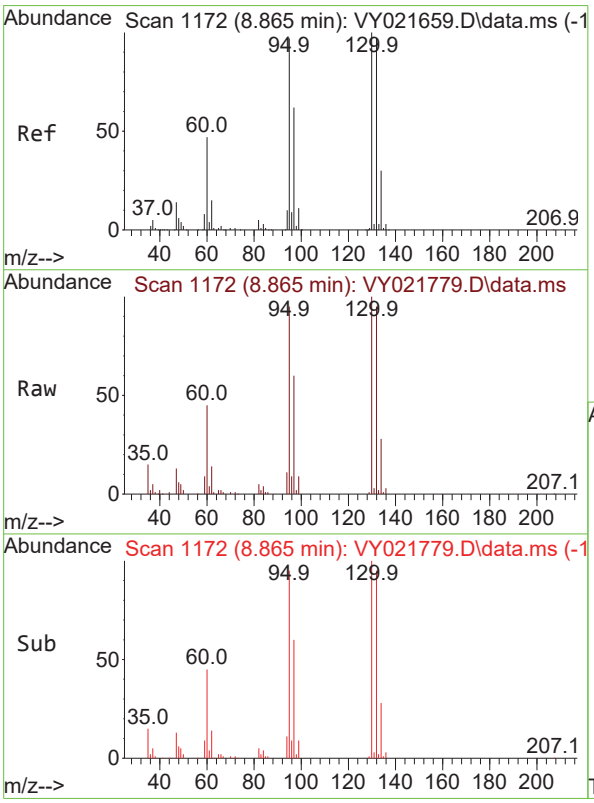
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.9	23.9
87	13.3	10.4	15.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

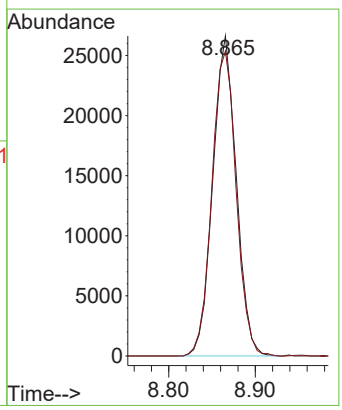


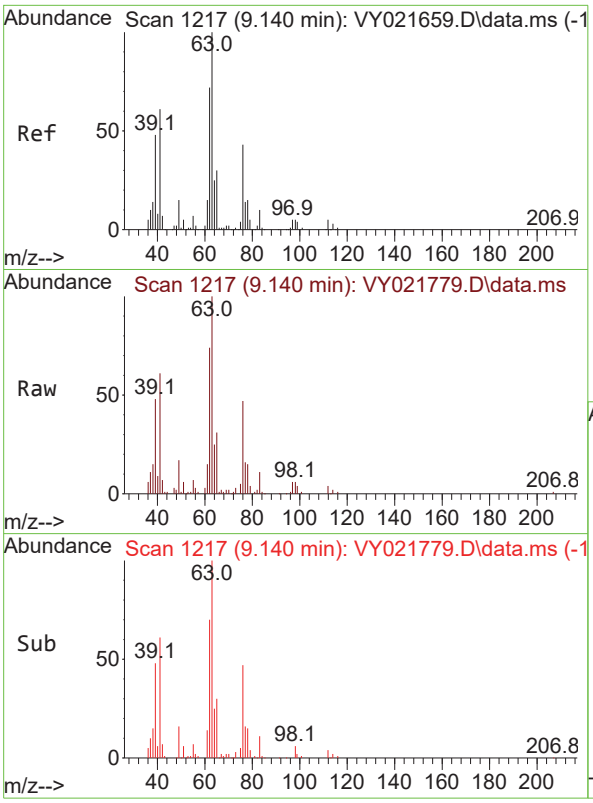


#44
Trichloroethene
Concen: 19.433 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:130 Resp: 50130

Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8

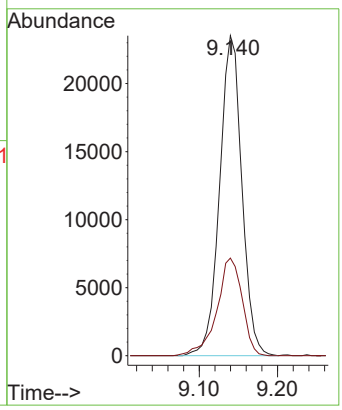




#45
1,2-Dichloropropane
Concen: 19.361 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 63 Resp: 4640

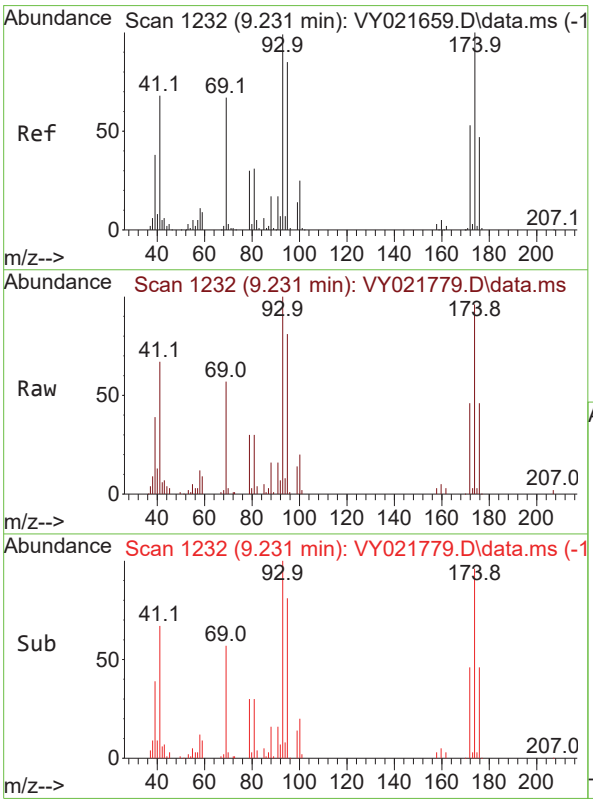
Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

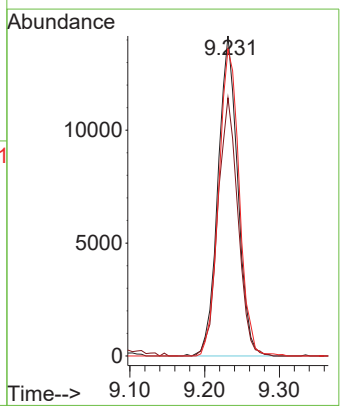
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

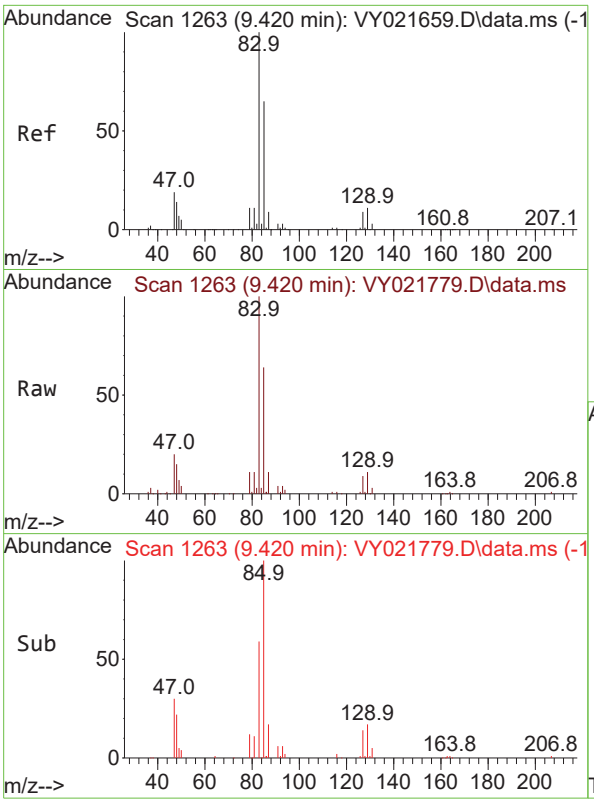


#46
Dibromomethane
Concen: 18.781 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 93 Resp: 25939

Ion	Ratio	Lower	Upper
93	100		
95	82.2	68.1	102.1
174	100.1	80.9	121.3

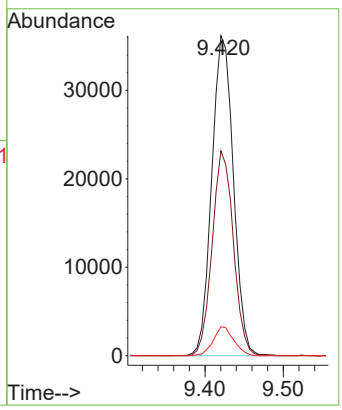




#47
Bromodichloromethane
Concen: 19.408 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 83 Resp: 6945

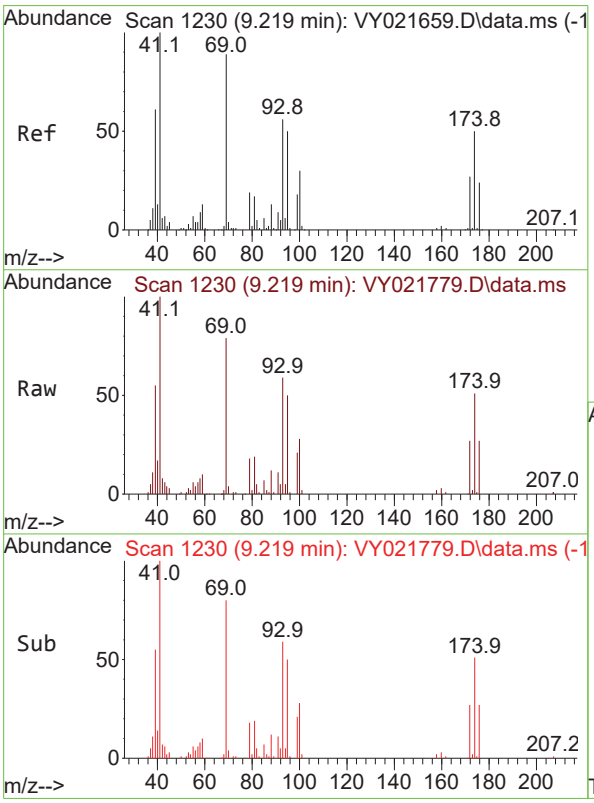
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	9.1	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

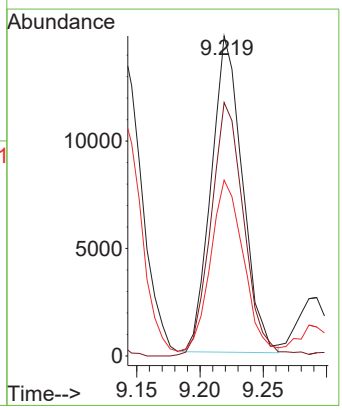
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

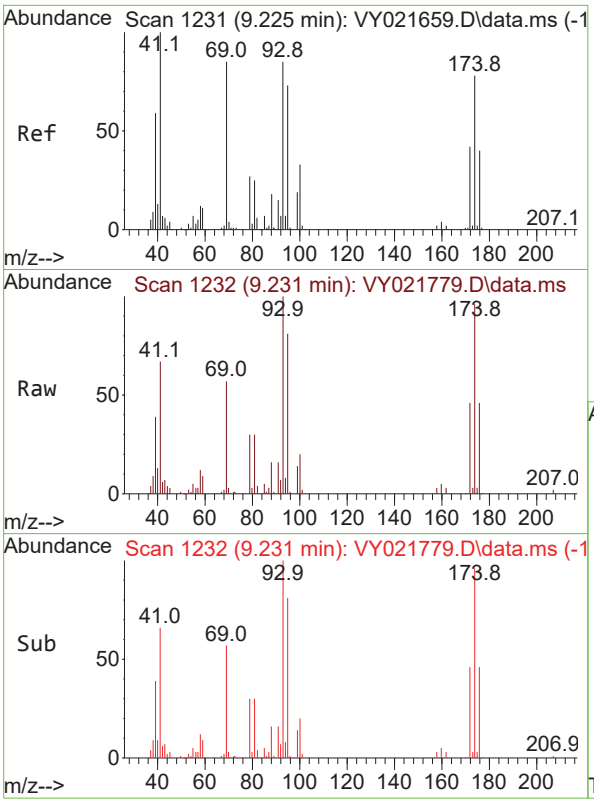


#48
Methyl methacrylate
Concen: 18.236 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 41 Resp: 25306

Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.8	104.8
39	56.9	47.2	70.8

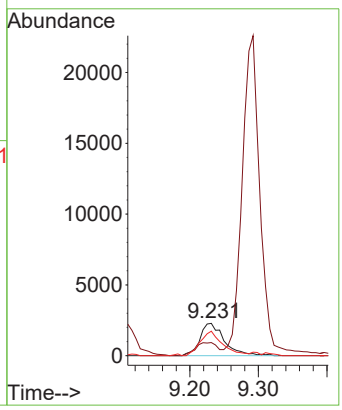




#49
1,4-Dioxane
Concen: 384.365 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 88 Resp: 568

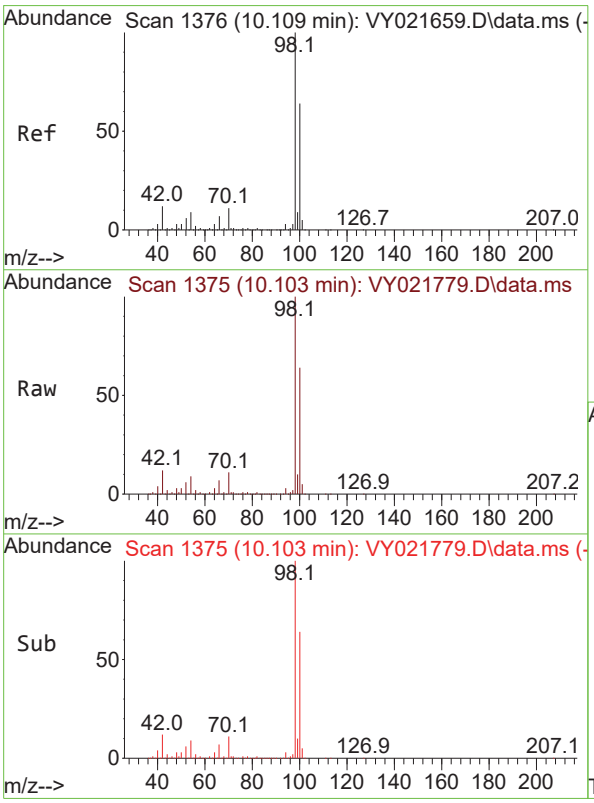
Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.8	43.2
58	69.4	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

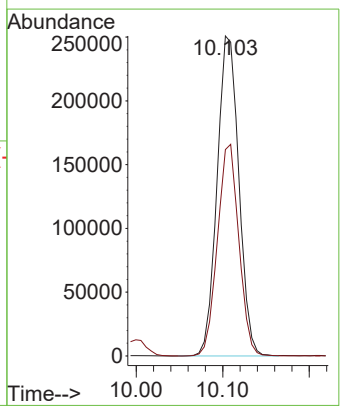
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

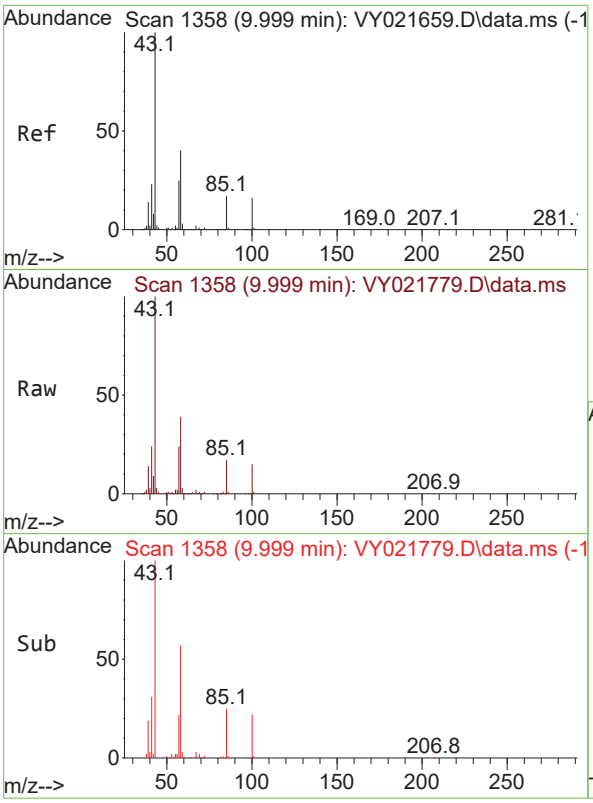


#50
Toluene-d8
Concen: 51.800 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 98 Resp: 437387

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

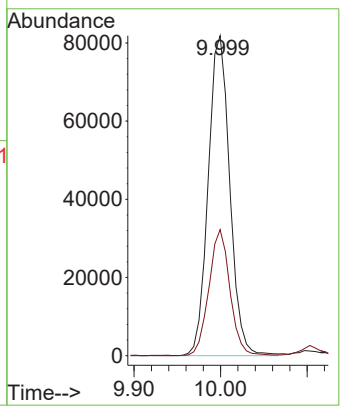




#51
4-Methyl-2-Pentanone
Concen: 90.088 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 14175

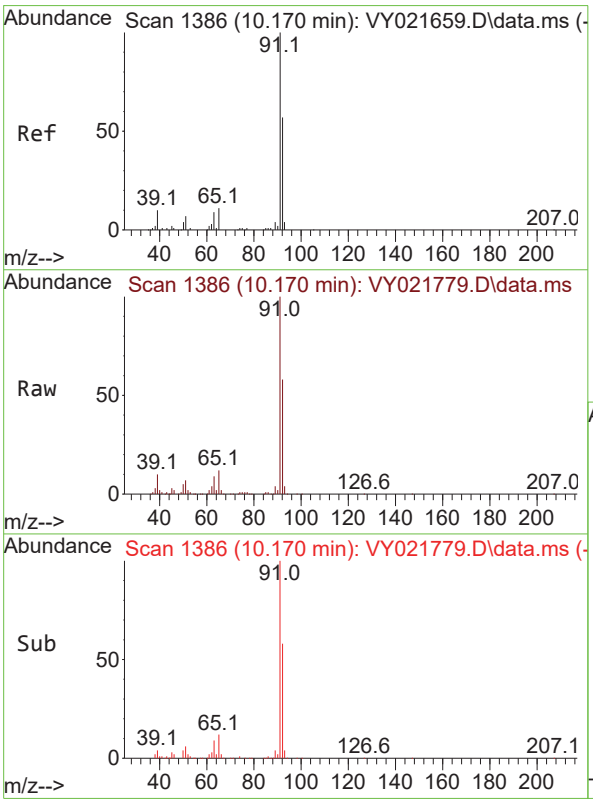
Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

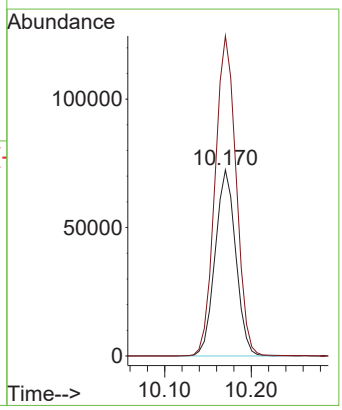
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

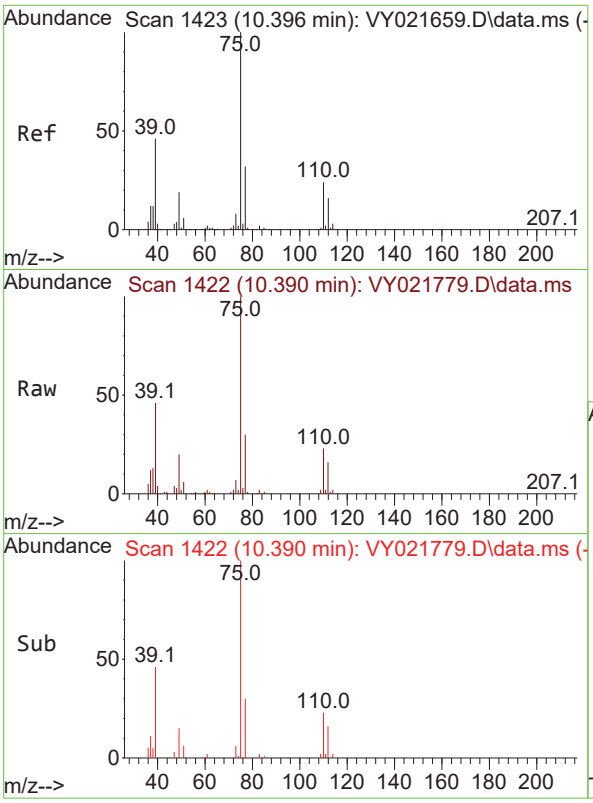


#52
Toluene
Concen: 18.972 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 92 Resp: 119838

Ion	Ratio	Lower	Upper
92	100		
91	176.3	138.6	207.8

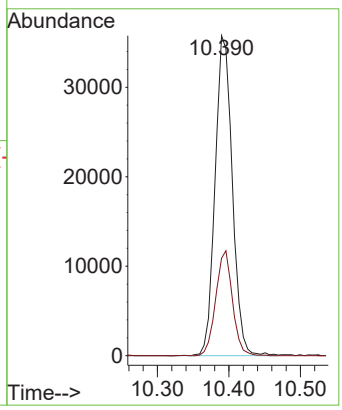




#53
t-1,3-Dichloropropene
Concen: 18.829 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 5985

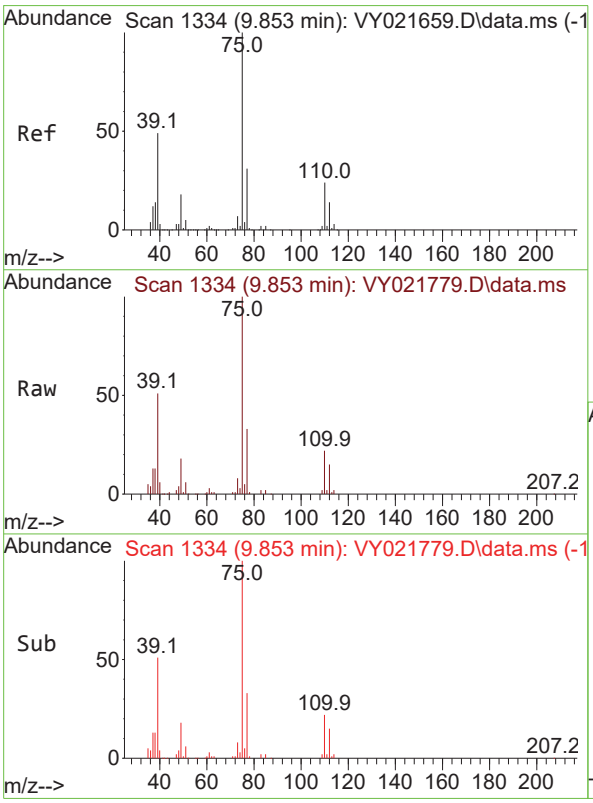
Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

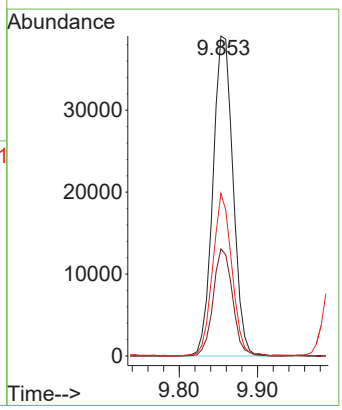
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

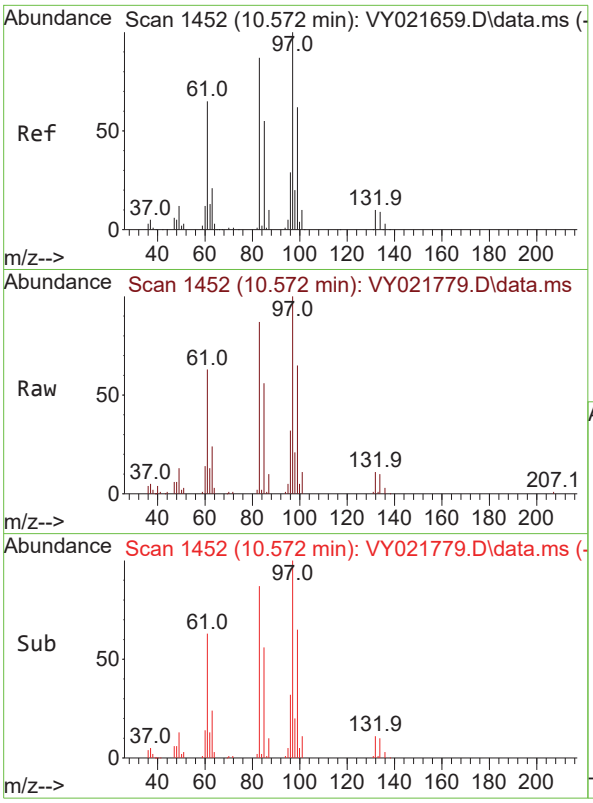


#54
cis-1,3-Dichloropropene
Concen: 18.573 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 69651

Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.9	37.3
39	50.6	39.2	58.8

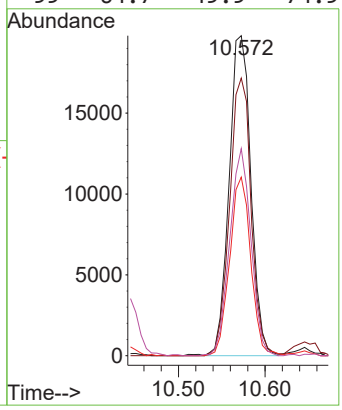




#55
1,1,2-Trichloroethane
Concen: 19.485 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 97 Resp: 3463

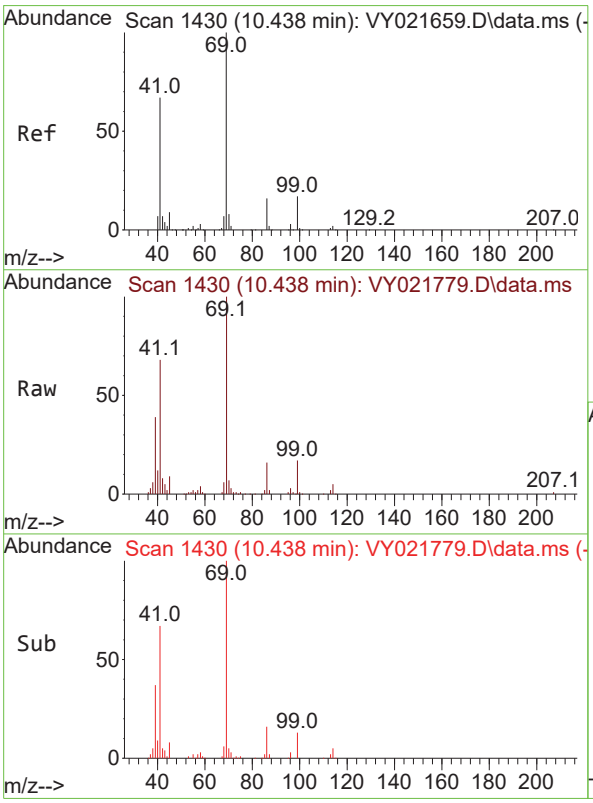
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.5	104.3
85	55.8	43.9	65.9
99	64.7	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

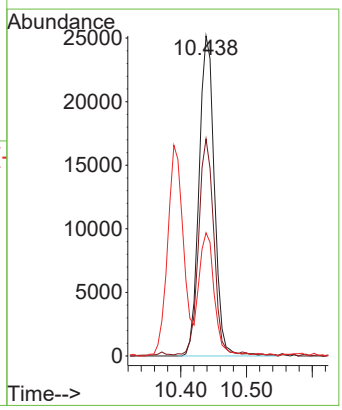
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

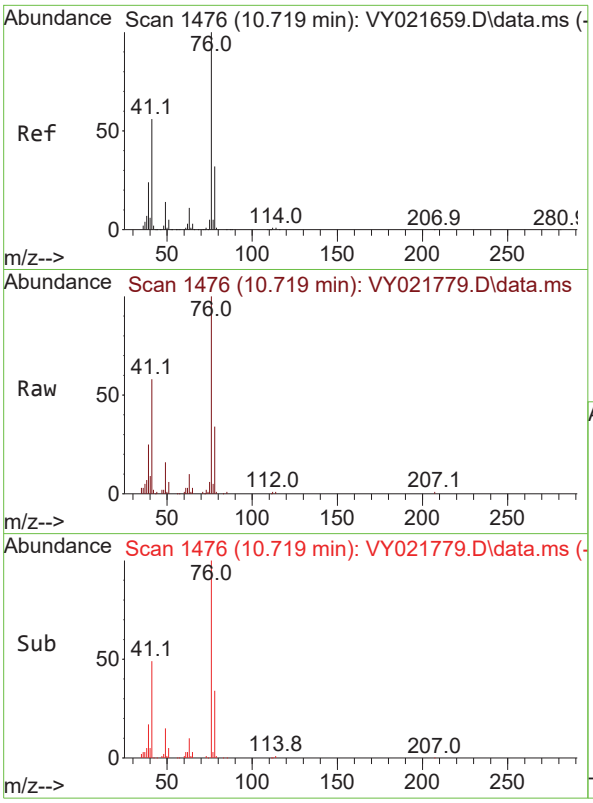


#56
Ethyl methacrylate
Concen: 18.026 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 69 Resp: 40910

Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.8	80.6
39	36.9	29.6	44.4

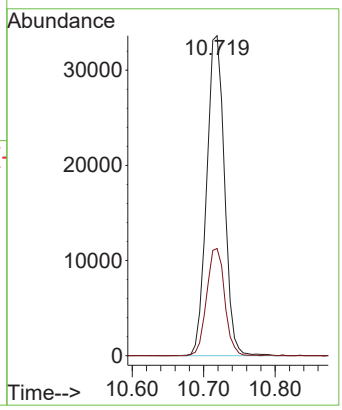




#57
1,3-Dichloropropane
Concen: 18.868 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 76 Resp: 5791

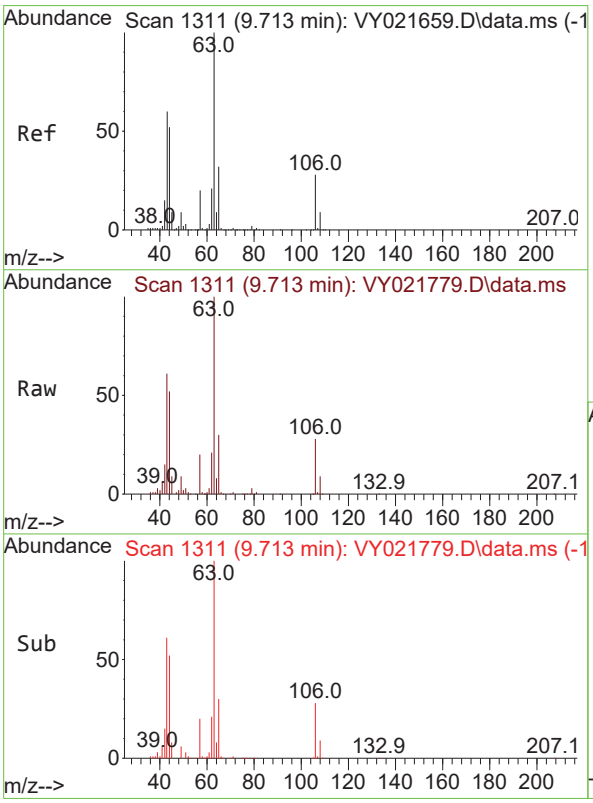
Ion	Ratio	Lower	Upper
76	100		
78	34.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

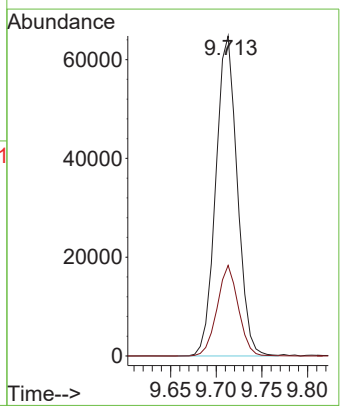
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

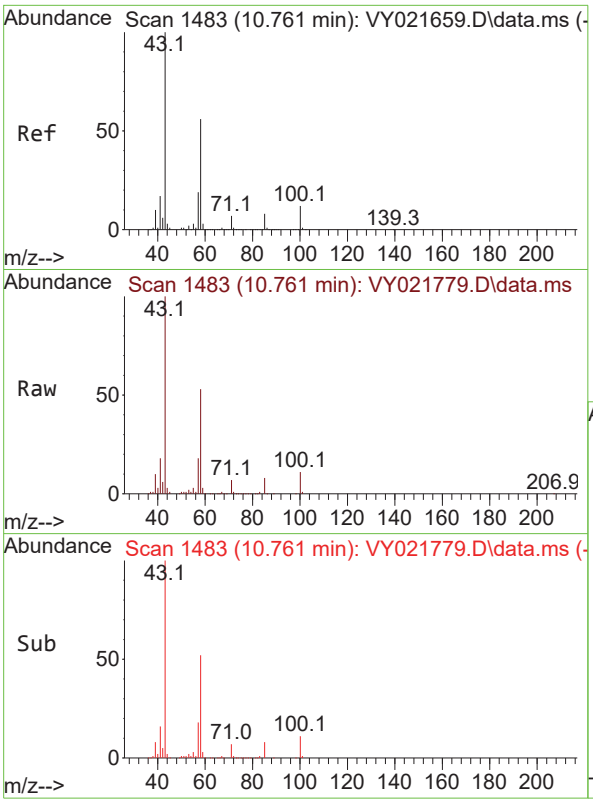


#58
2-Chloroethyl Vinyl ether
Concen: 95.722 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 63 Resp: 105979

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6





#59
2-Hexanone
Concen: 88.221 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

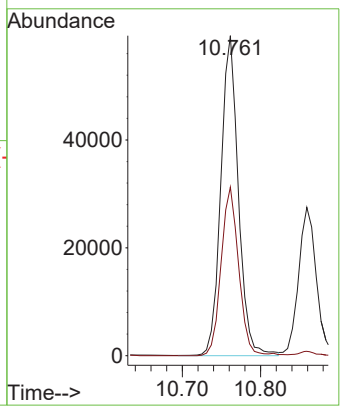
Tgt Ion: 43 Resp: 9244

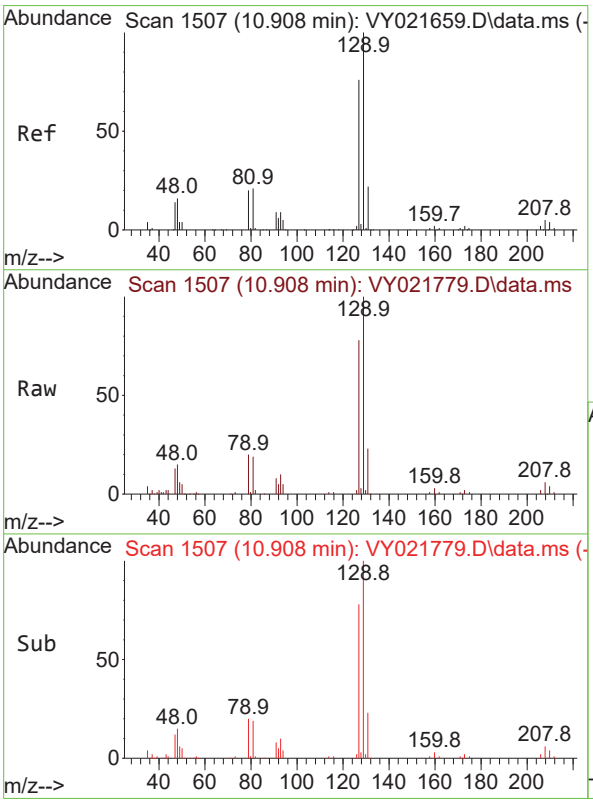
Ion	Ratio	Lower	Upper
43	100		
58	52.9	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

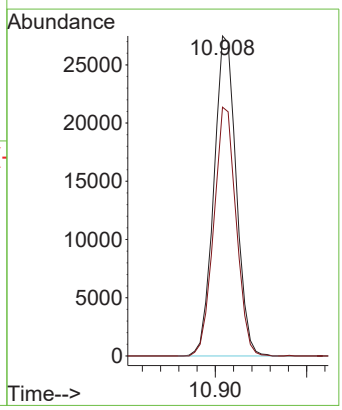


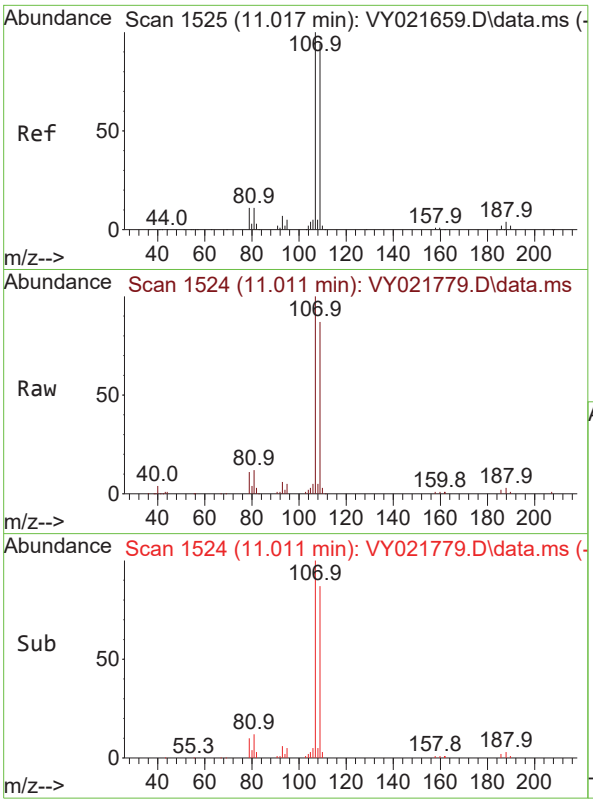


#60
Dibromochloromethane
Concen: 19.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:129 Resp: 46610

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7

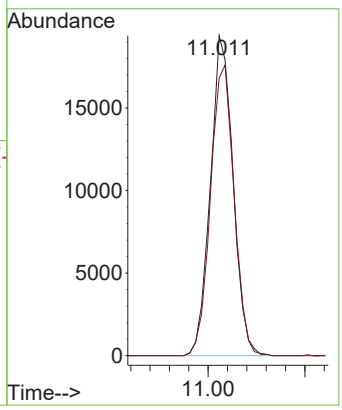




#61
1,2-Dibromoethane
Concen: 18.940 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:107 Resp: 3157

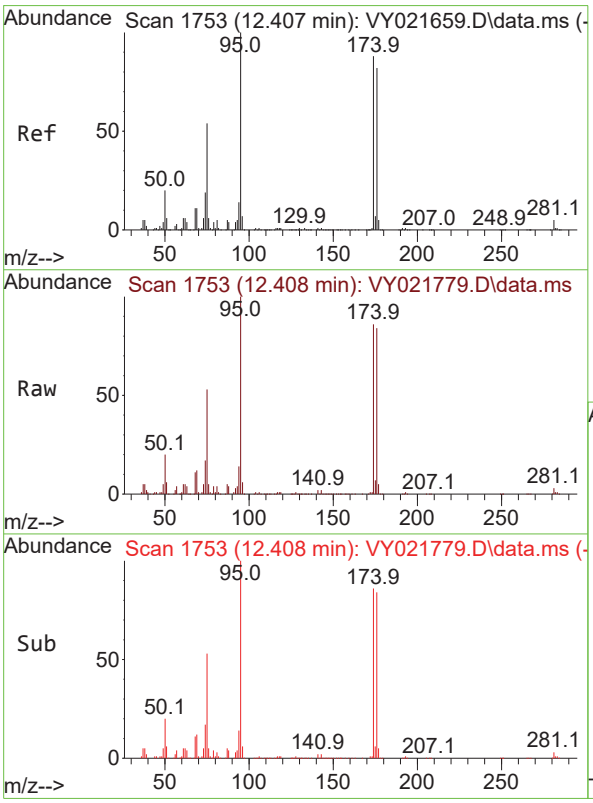
Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

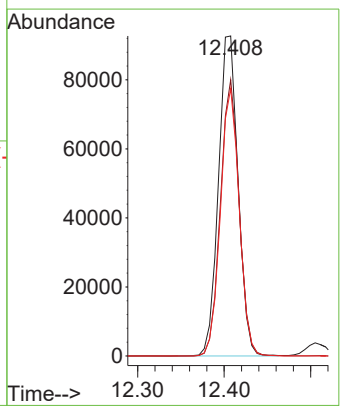
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

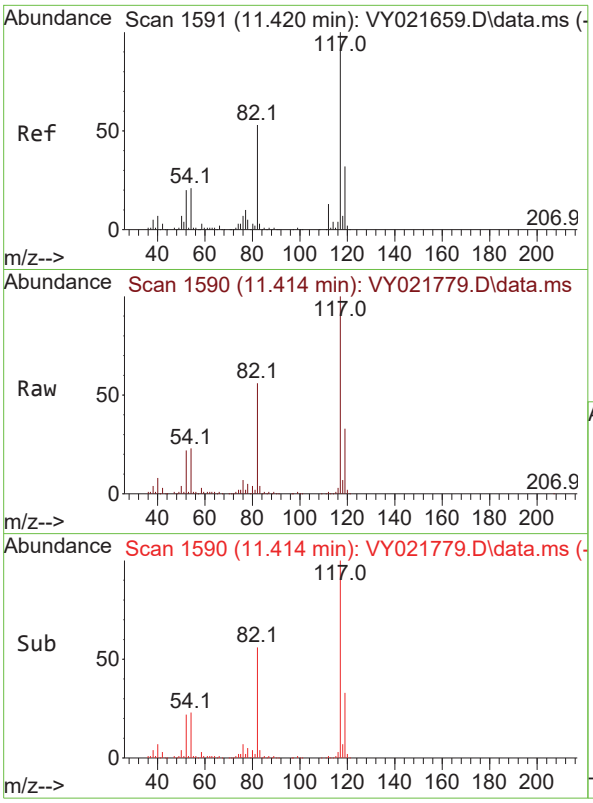


#62
4-Bromofluorobenzene
Concen: 51.018 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 95 Resp: 145713

Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	170.8
176	80.0	0.0	162.0

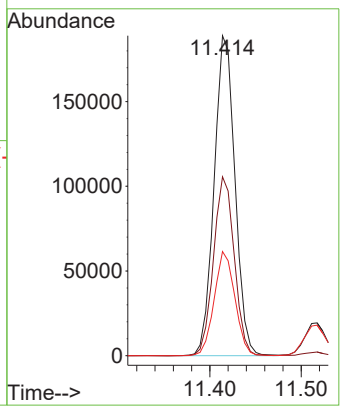




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:117 Resp: 29951

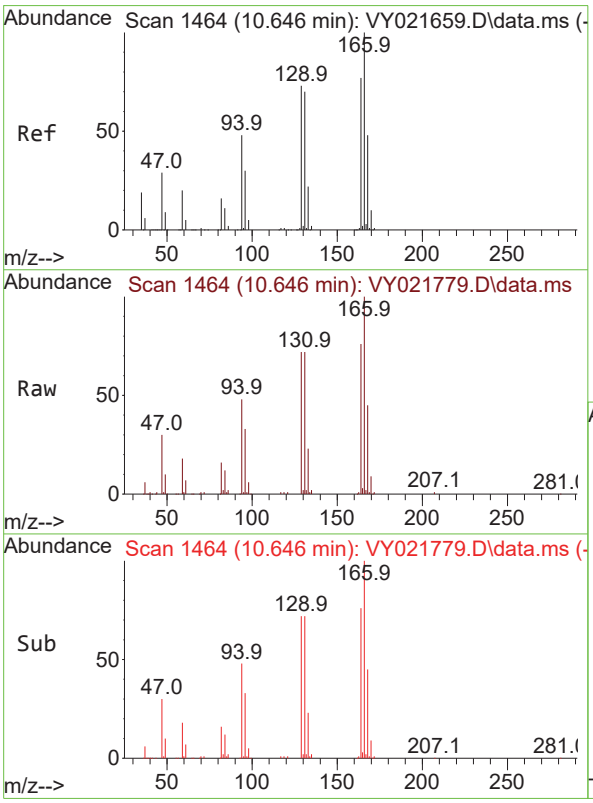
Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	32.5	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

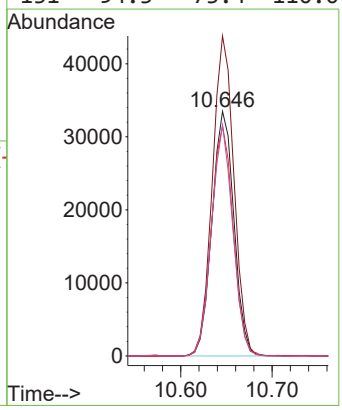
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

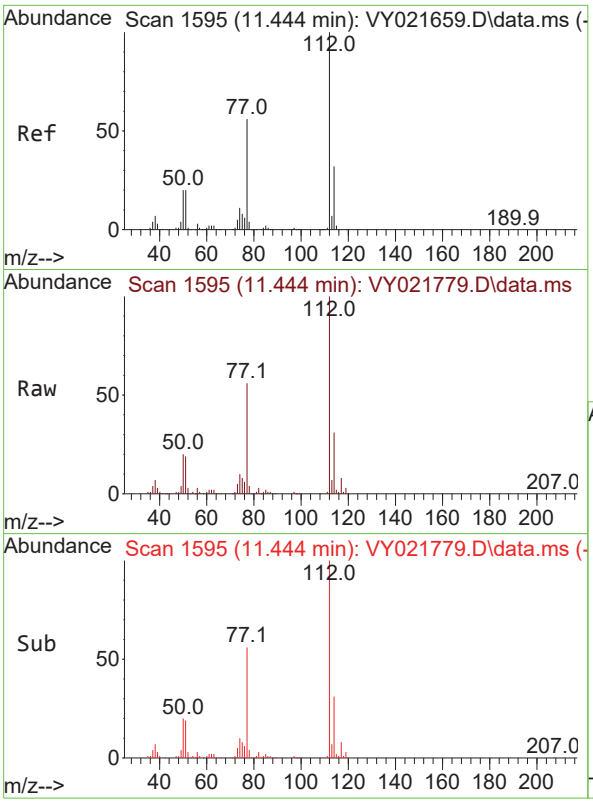


#64
Tetrachloroethene
Concen: 20.410 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:164 Resp: 55676

Ion	Ratio	Lower	Upper
164	100		
166	130.8	104.6	156.8
129	94.1	76.6	114.8
131	94.3	73.4	110.0

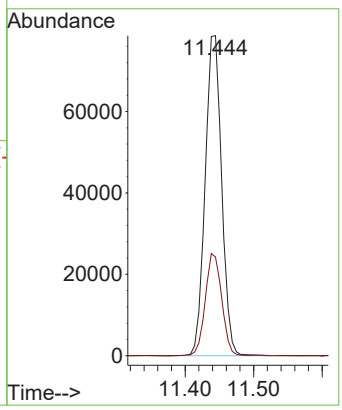




#65
Chlorobenzene
Concen: 19.170 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:112 Resp: 13162

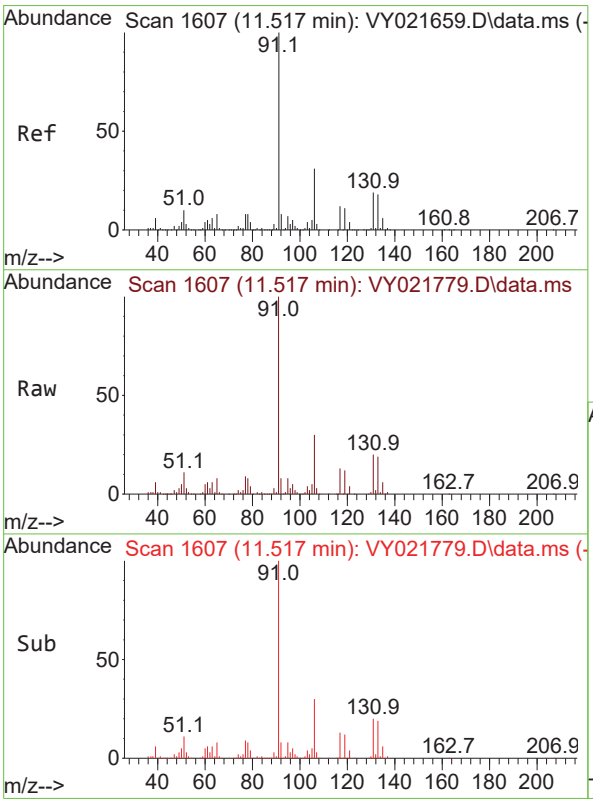
Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

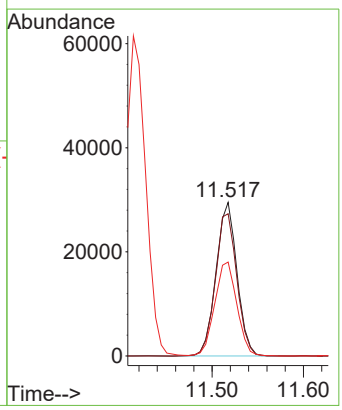
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

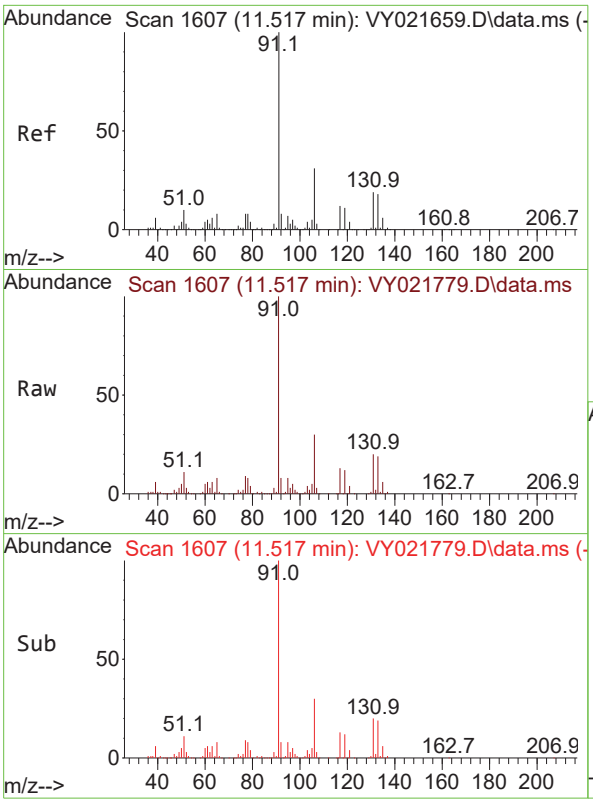


#66
1,1,1,2-Tetrachloroethane
Concen: 19.267 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:131 Resp: 46936

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.8
119	64.9	31.6	95.0

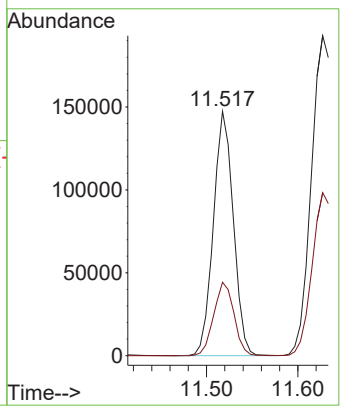




#67
Ethyl Benzene
Concen: 18.996 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 22364

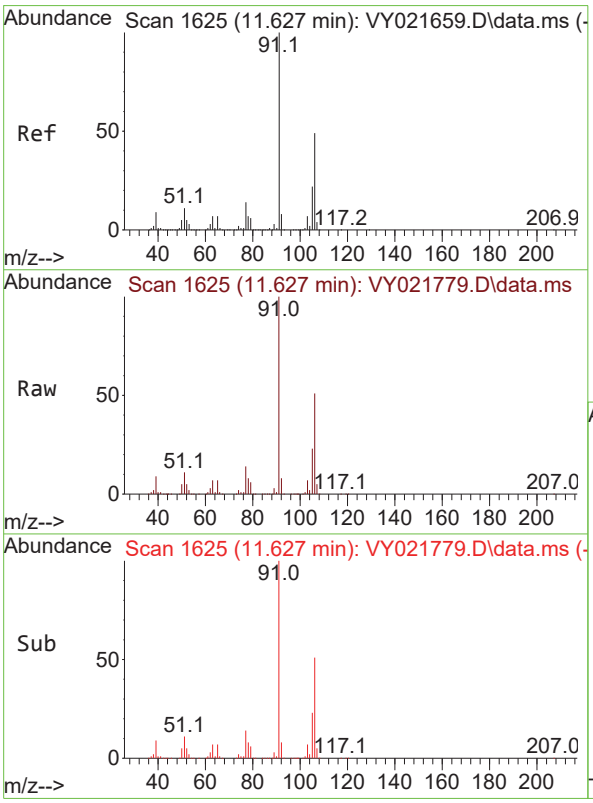
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

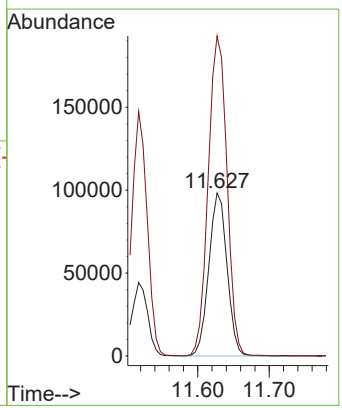
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

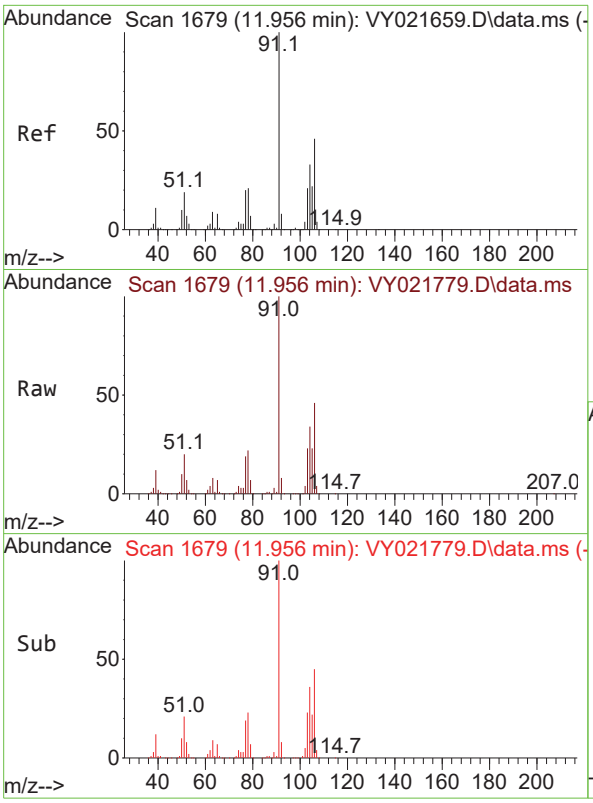


#68
m/p-Xylenes
Concen: 38.499 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:106 Resp: 173569

Ion	Ratio	Lower	Upper
106	100		
91	201.9	162.4	243.6

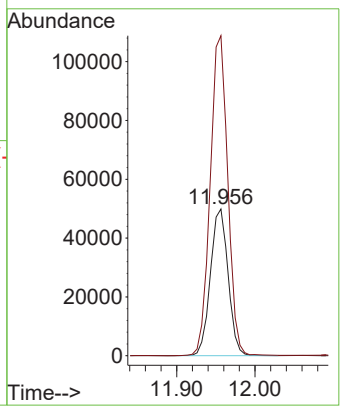




#69
o-Xylene
Concen: 18.794 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:106 Resp: 7821

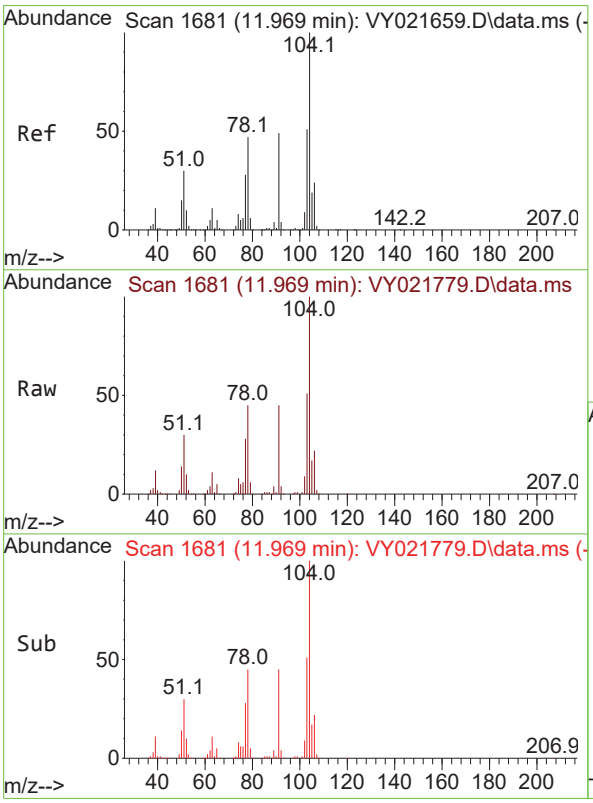
Ion	Ratio	Lower	Upper
106	100		
91	216.9	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

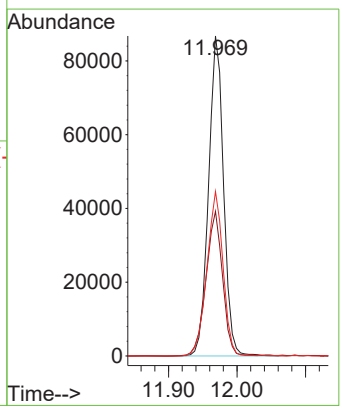
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

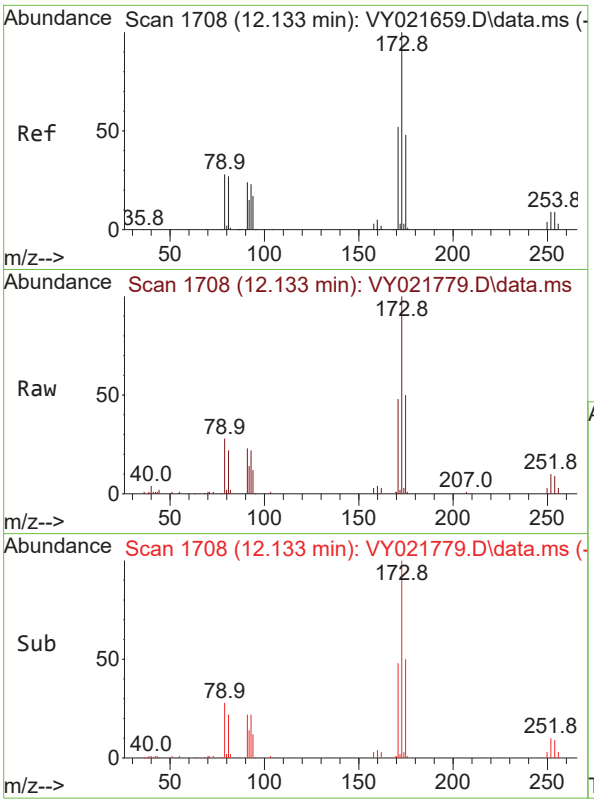


#70
Styrene
Concen: 19.111 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:104 Resp: 132607

Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.8	61.2
103	55.4	44.2	66.2

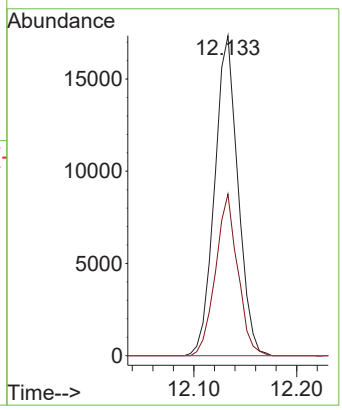




#71
Bromoform
Concen: 19.678 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:173 Resp: 2734

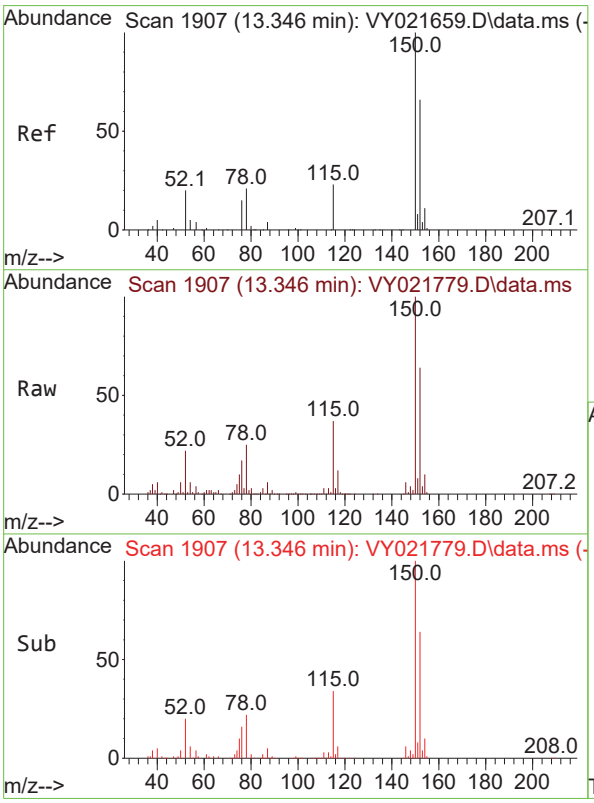
Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

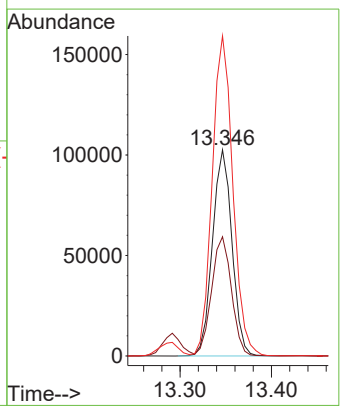
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

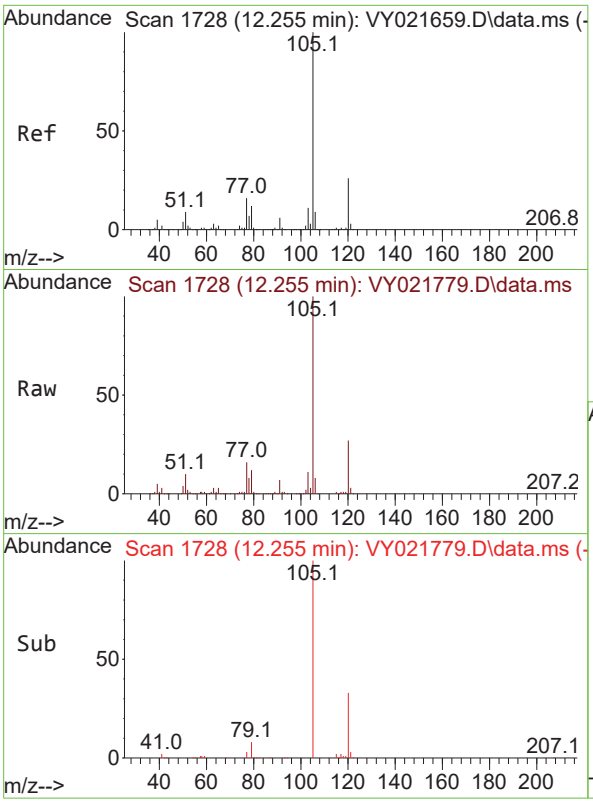


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:152 Resp: 151992

Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.8	86.5
150	164.1	0.0	348.4

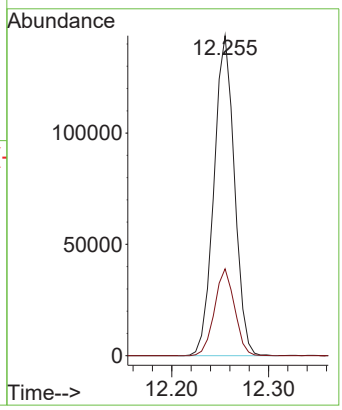




#73
Isopropylbenzene
Concen: 18.722 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:105 Resp: 21135

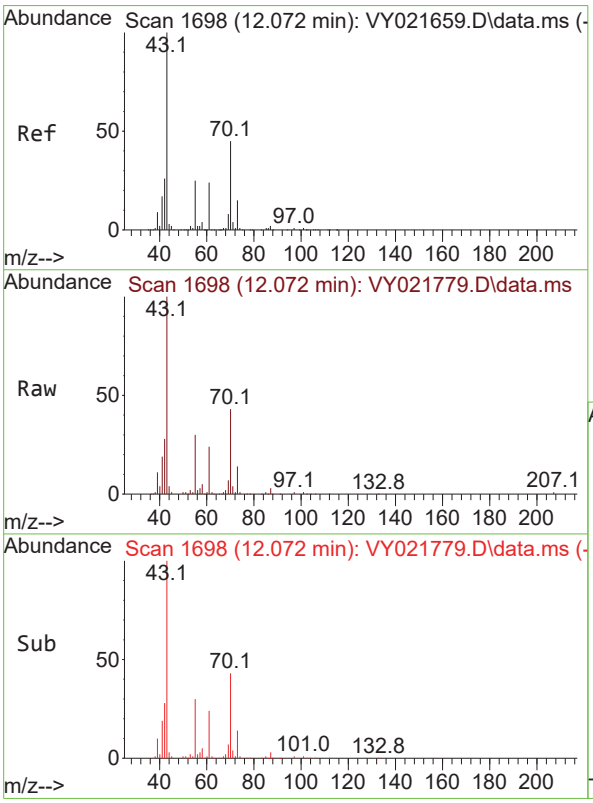
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

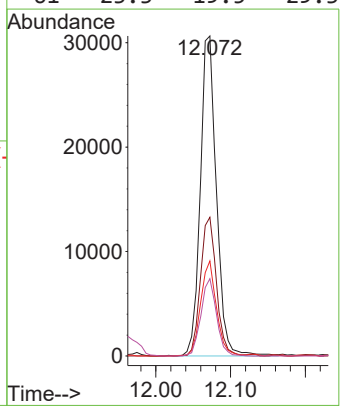
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

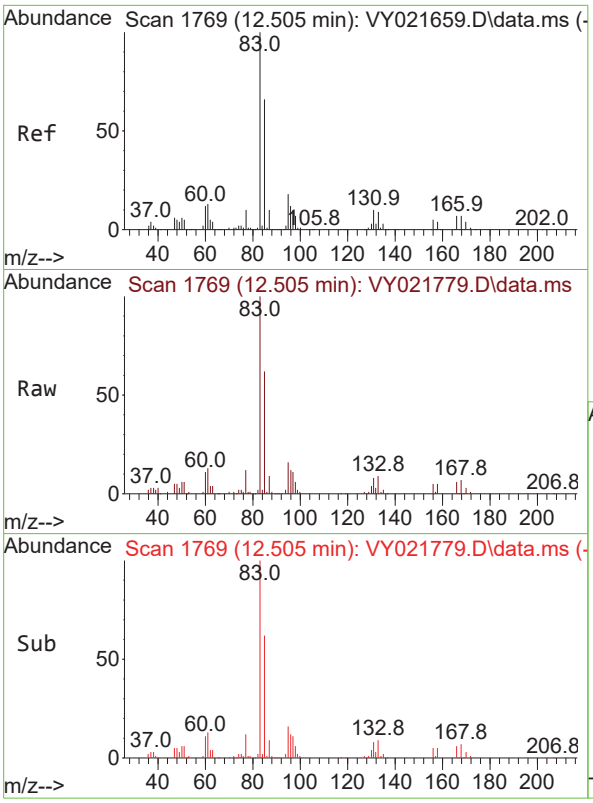


#74
N-amyl acetate
Concen: 17.347 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 45960

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.7	52.1
55	29.2	21.2	31.8
61	23.3	19.5	29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 17.859 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

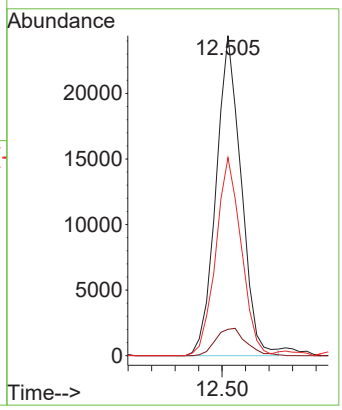
Tgt Ion: 83 Resp: 3624

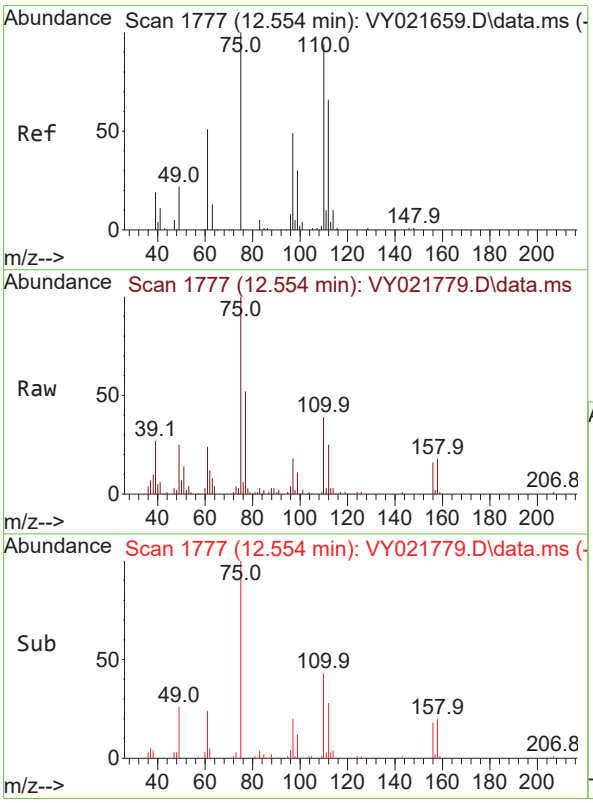
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	62.8	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

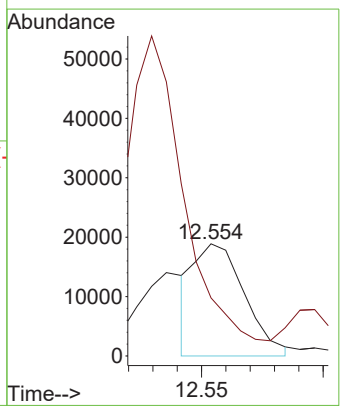


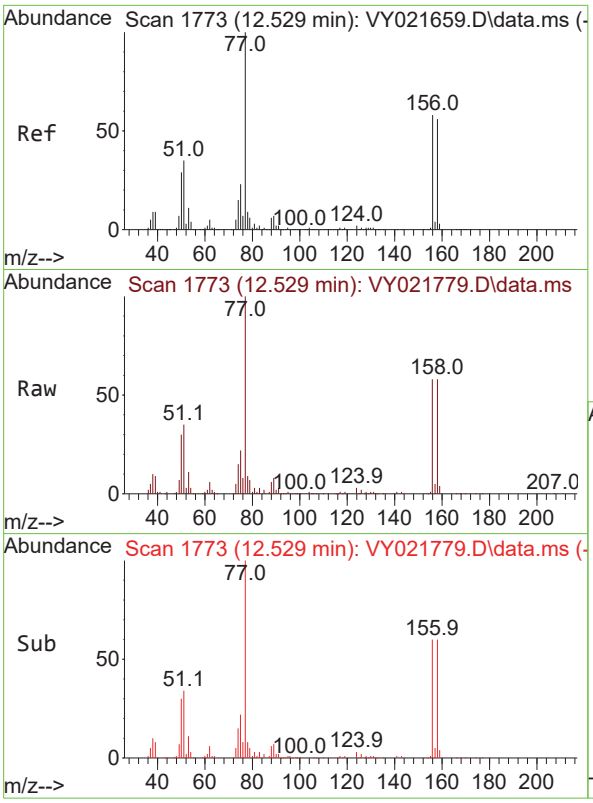


#76
1,2,3-Trichloropropane
Concen: 18.255 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 27503

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

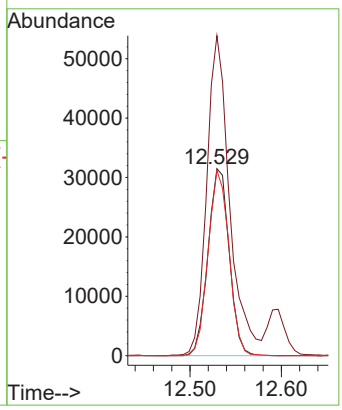




#77
Bromobenzene
Concen: 18.757 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

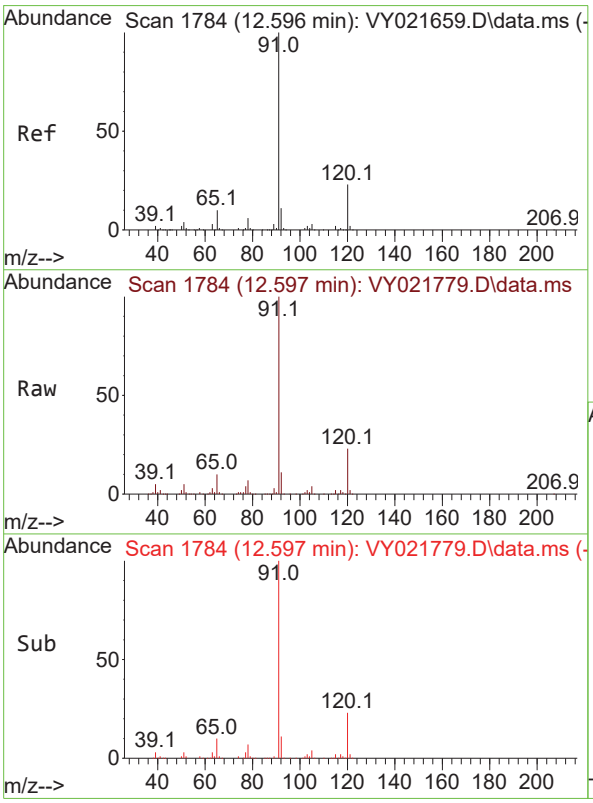
Tgt Ion:156 Resp: 5084

Ion	Ratio	Lower	Upper
156	100		
77	184.5	92.8	278.3
158	97.9	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

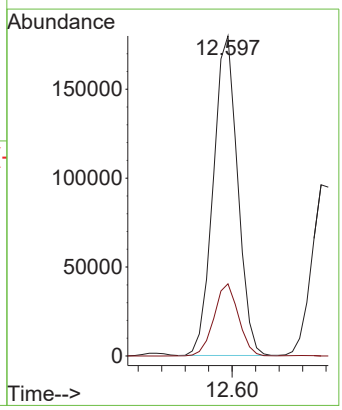
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

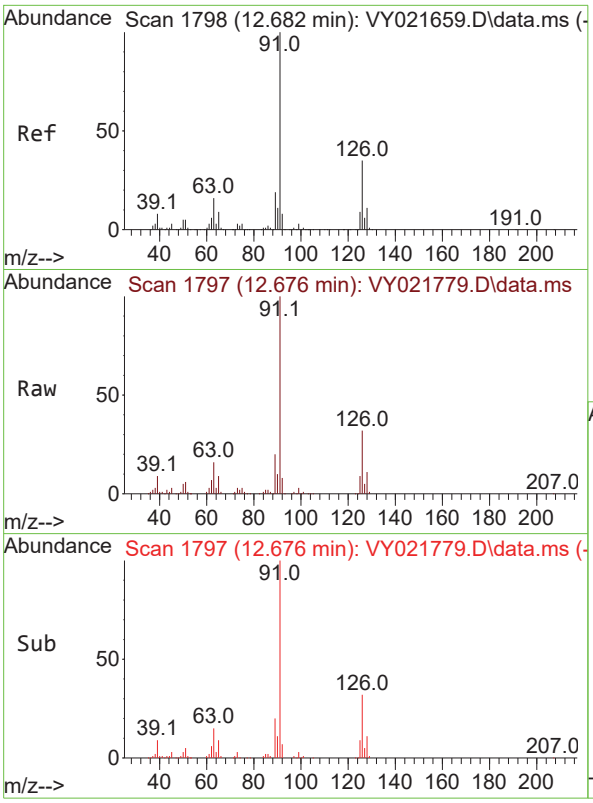


#78
n-propylbenzene
Concen: 19.126 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 259575

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9

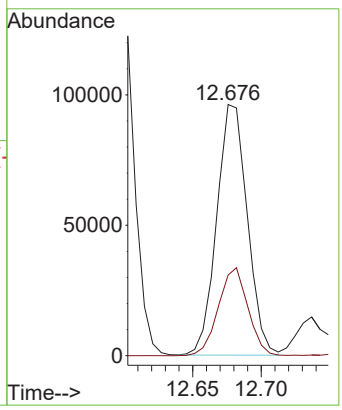




#79
2-Chlorotoluene
Concen: 18.949 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 14937

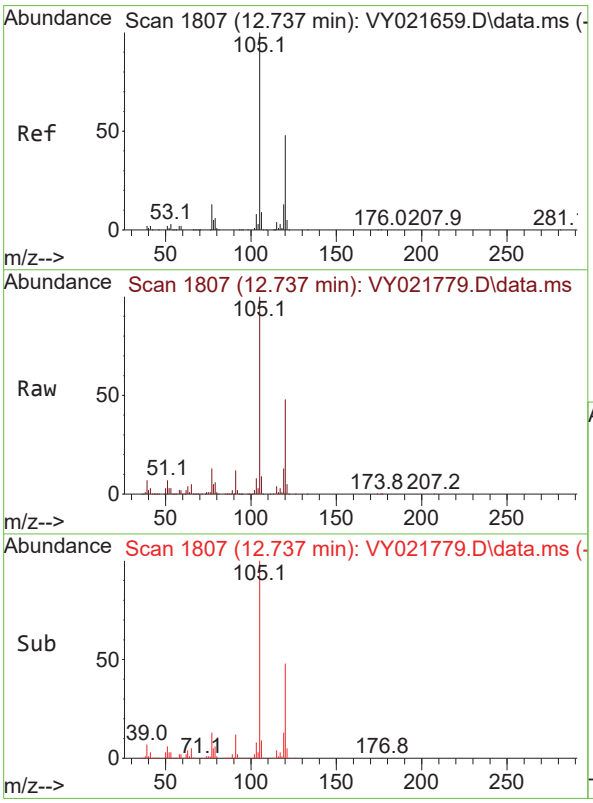
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

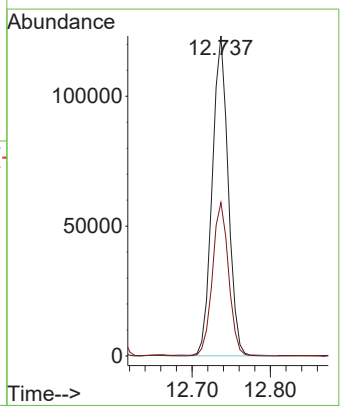
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

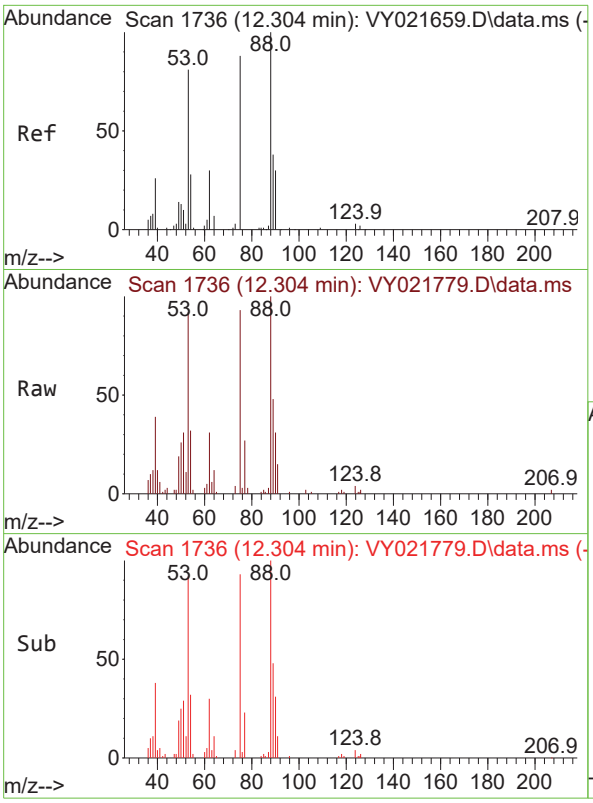


#80
1,3,5-Trimethylbenzene
Concen: 18.899 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:105 Resp: 174371

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.5	73.5

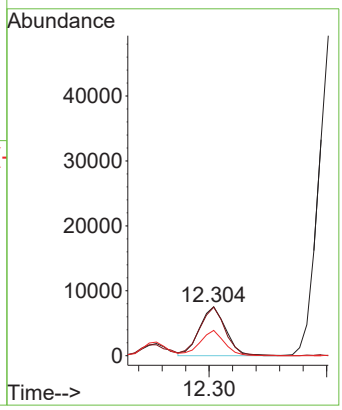




#81
trans-1,4-Dichloro-2-butene
Concen: 17.932 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 1172

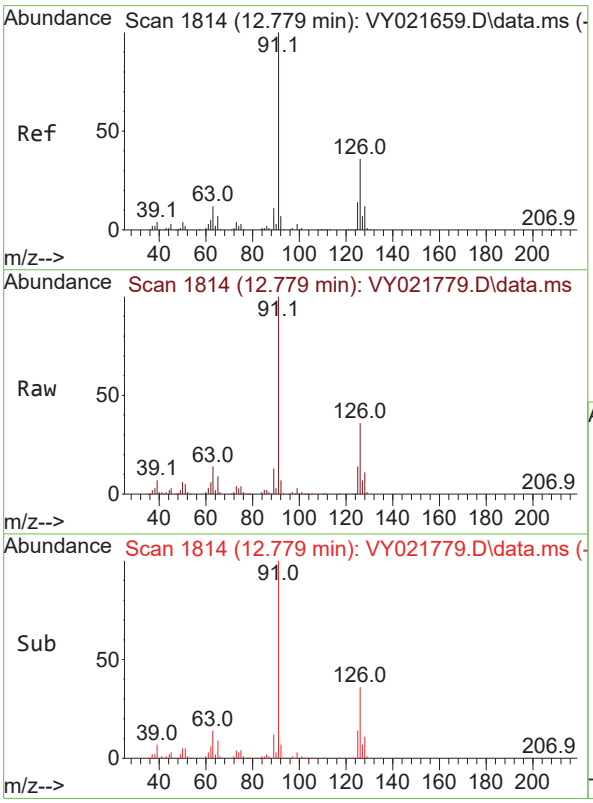
Ion	Ratio	Lower	Upper
75	100		
53	96.7	76.1	114.1
89	47.7	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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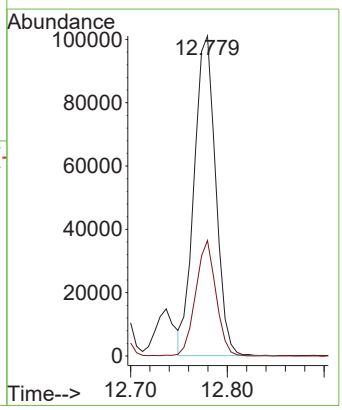
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

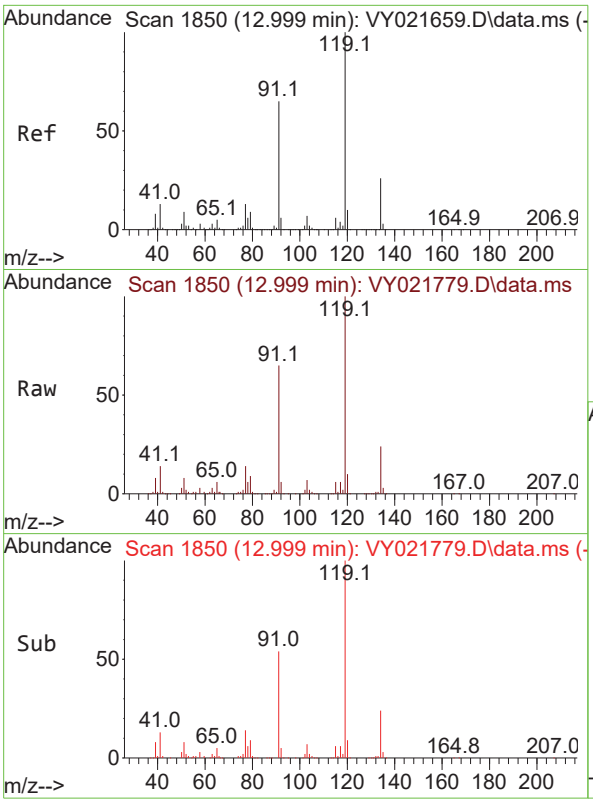


#82
4-Chlorotoluene
Concen: 19.034 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 156430

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

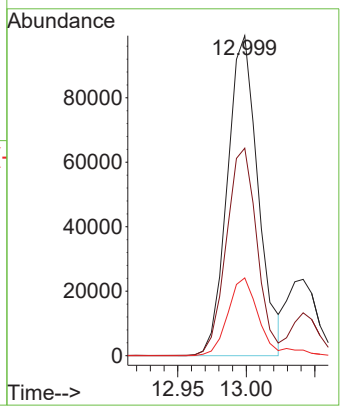




#83
tert-Butylbenzene
Concen: 18.819 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:119 Resp: 15465

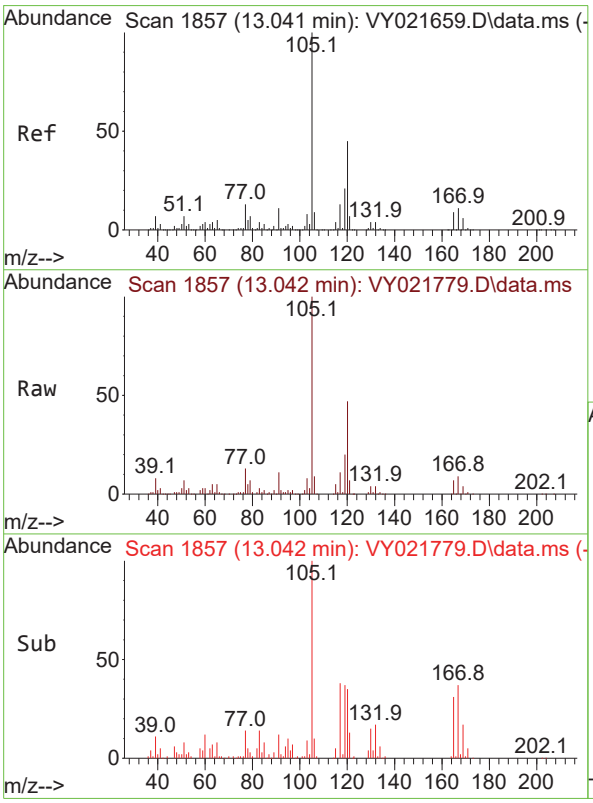
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.6	97.7
134	25.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

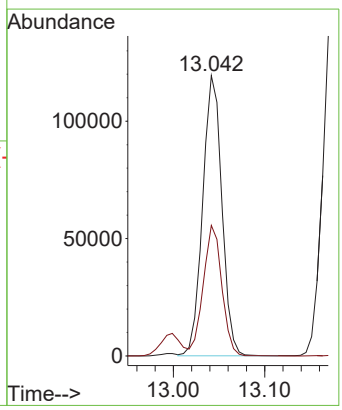
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

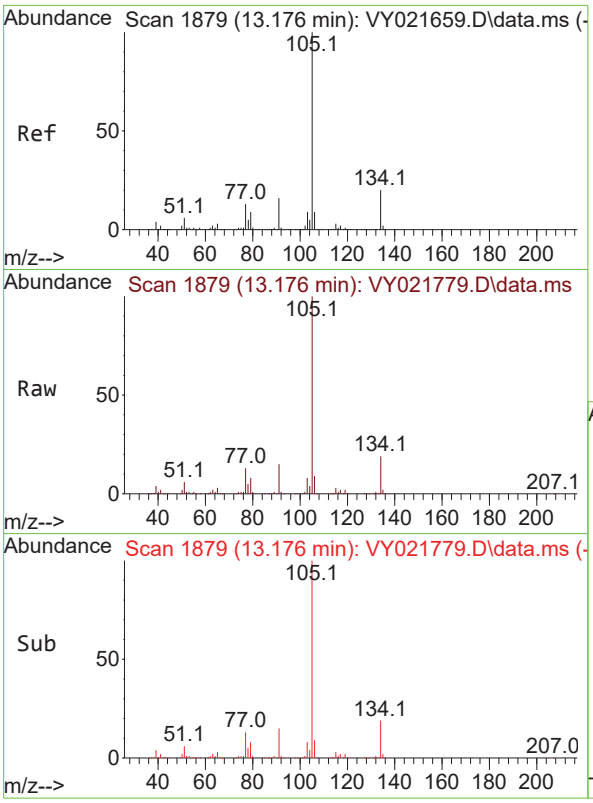


#84
1,2,4-Trimethylbenzene
Concen: 19.044 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:105 Resp: 173659

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.1

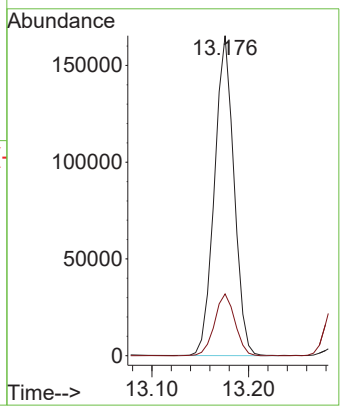




#85
sec-Butylbenzene
Concen: 19.291 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:105 Resp: 23168

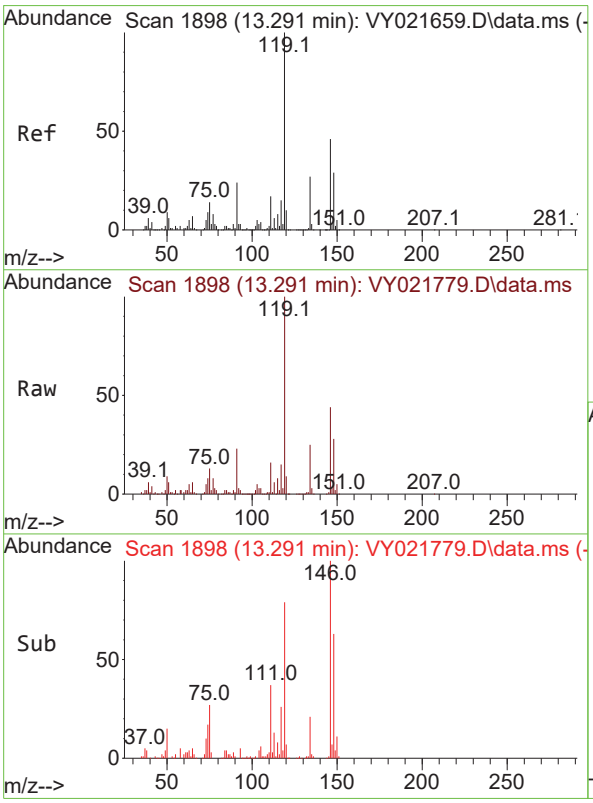
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

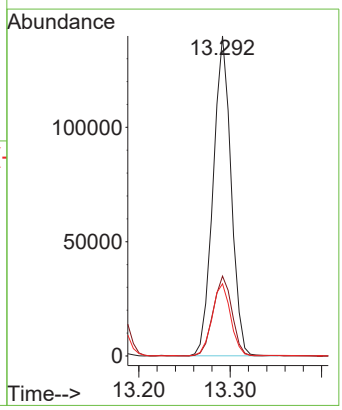
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

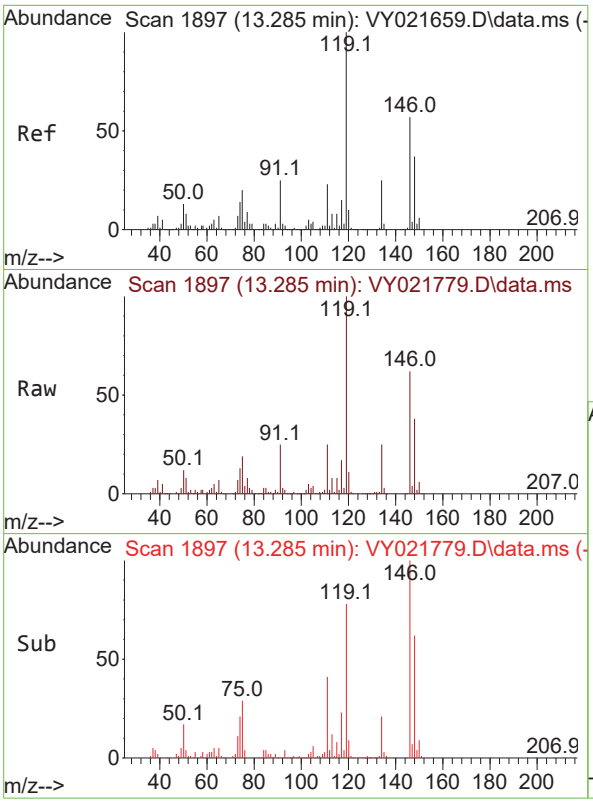


#86
p-Isopropyltoluene
Concen: 19.237 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:119 Resp: 190946

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	23.5	12.0	36.0

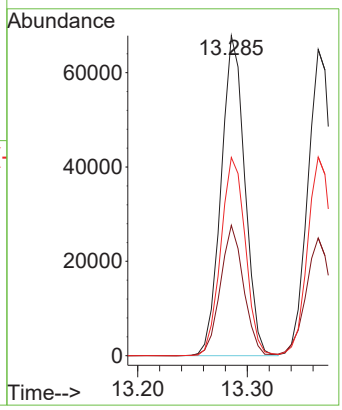




#87
1,3-Dichlorobenzene
Concen: 19.103 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:146 Resp: 10201

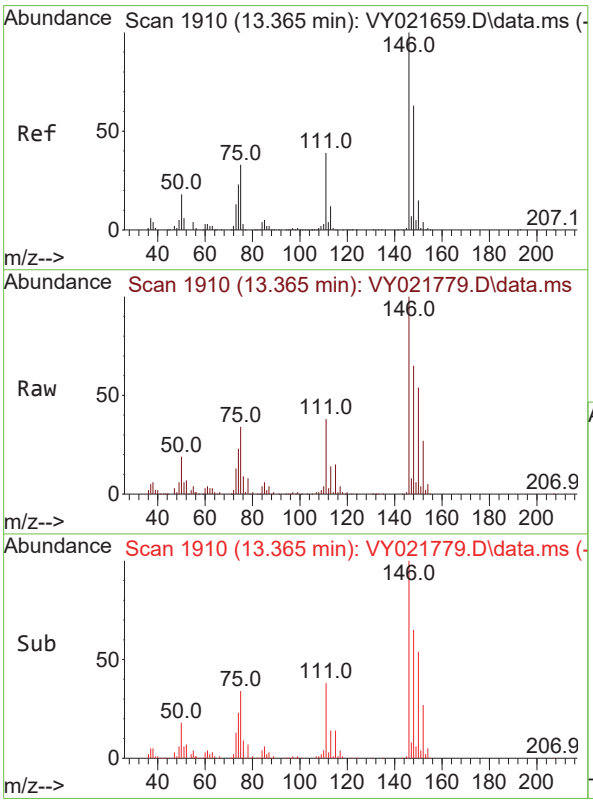
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.0	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

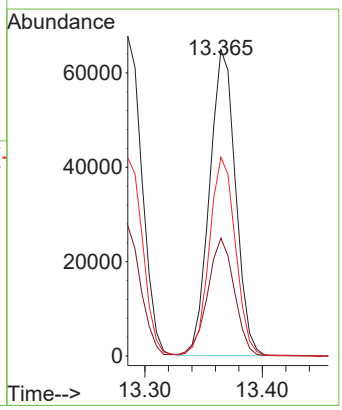
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

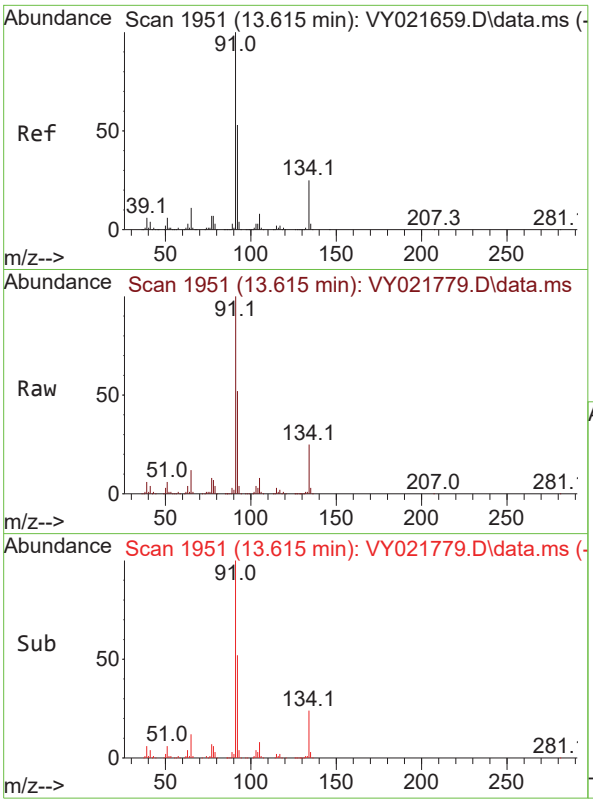


#88
1,4-Dichlorobenzene
Concen: 18.879 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:146 Resp: 99610

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.1	57.1
148	65.6	31.5	94.5

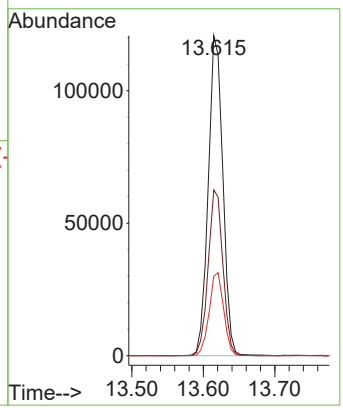




#89
n-Butylbenzene
Concen: 18.688 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 17154

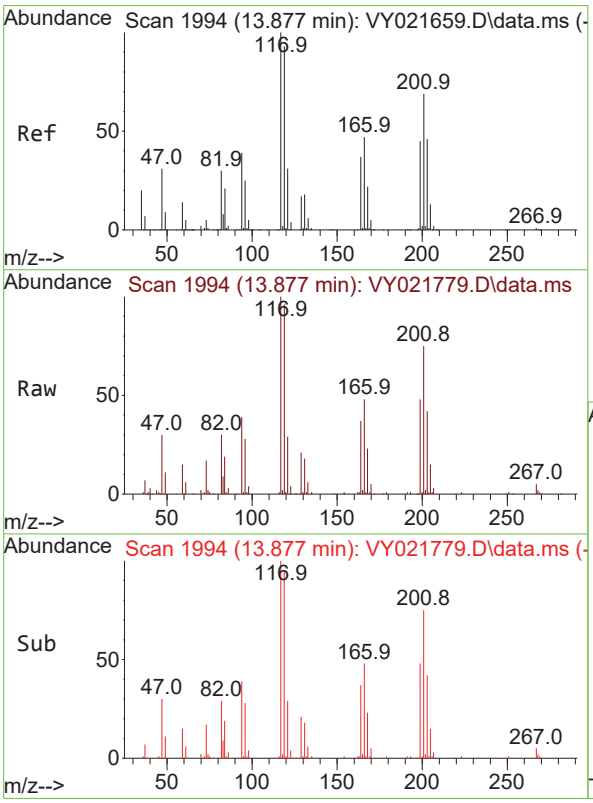
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.2
134	25.7	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

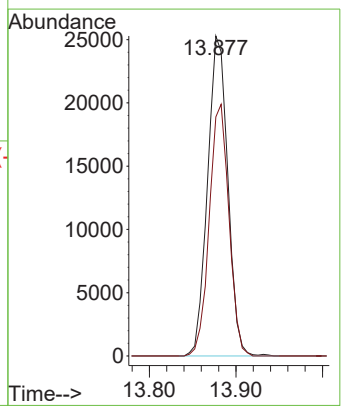
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

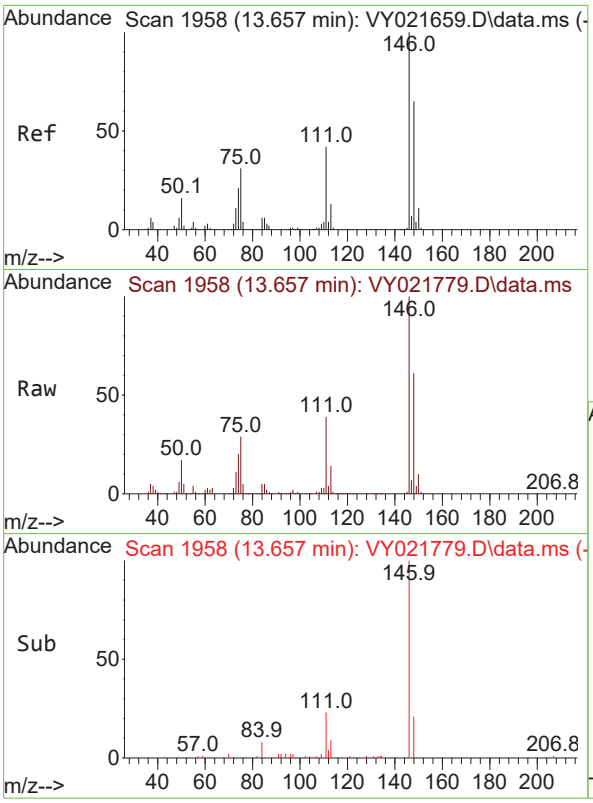


#90
Hexachloroethane
Concen: 18.858 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:117 Resp: 41020

Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.4	112.1

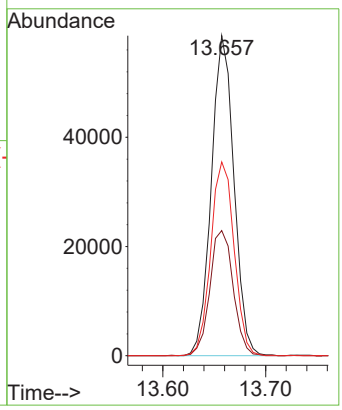




#91
1,2-Dichlorobenzene
Concen: 19.263 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:146 Resp: 8954

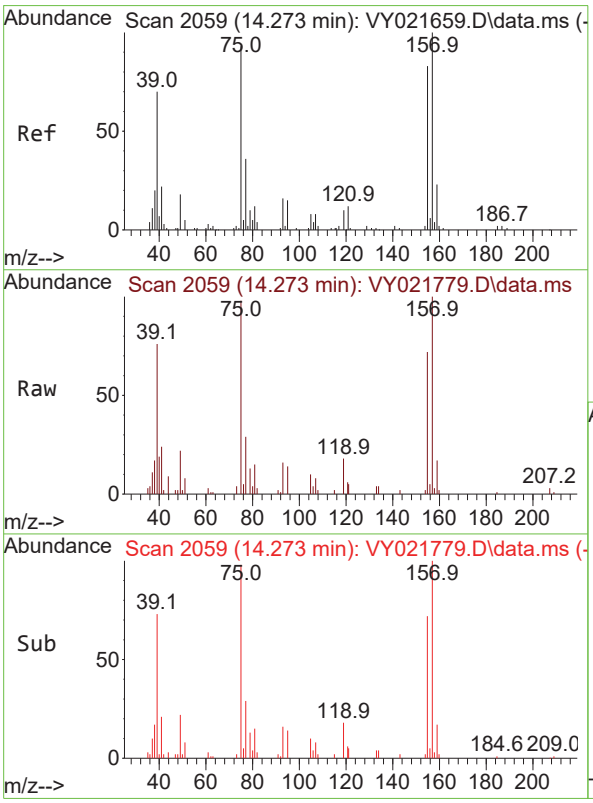
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	62.5	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

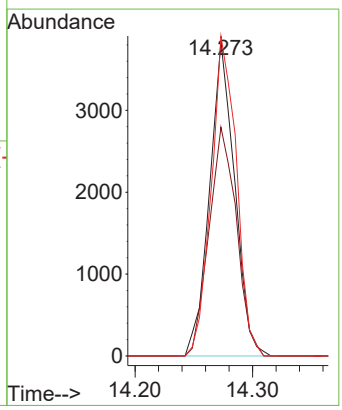
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

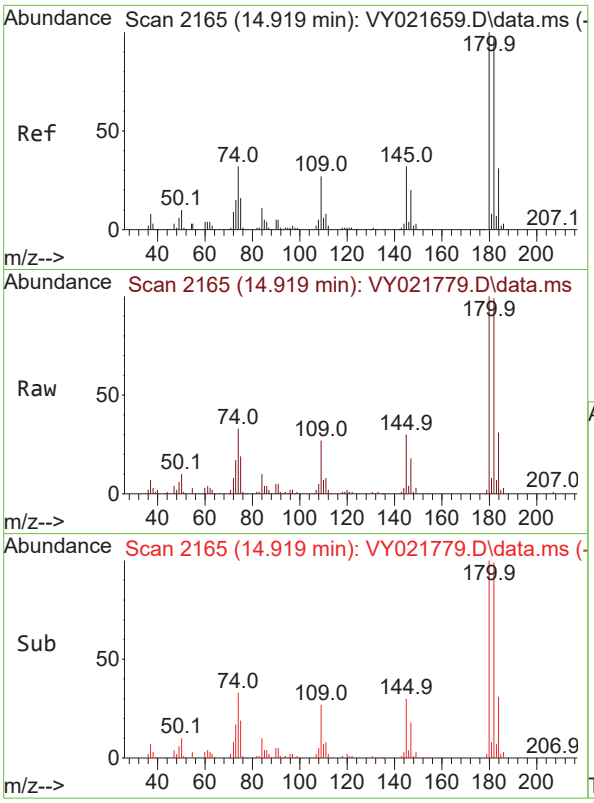


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.104 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 5695

Ion	Ratio	Lower	Upper
75	100		
155	79.3	43.0	128.8
157	102.1	54.0	162.0





#93
1,2,4-Trichlorobenzene
Concen: 18.388 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

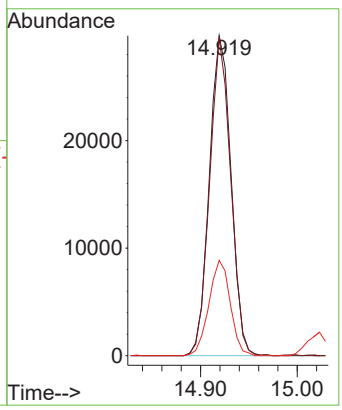
Tgt Ion:180 Resp: 4635

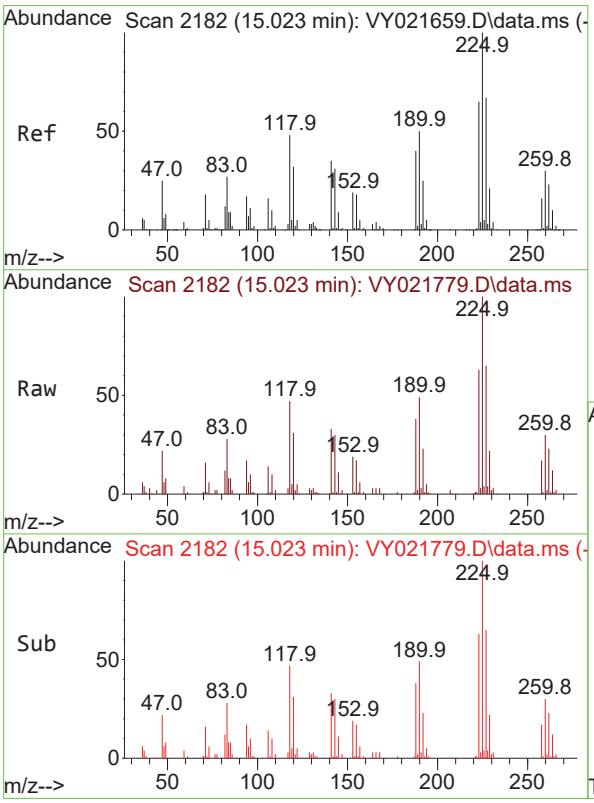
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	29.3	14.9	44.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025

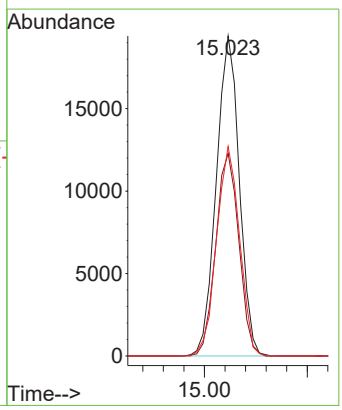


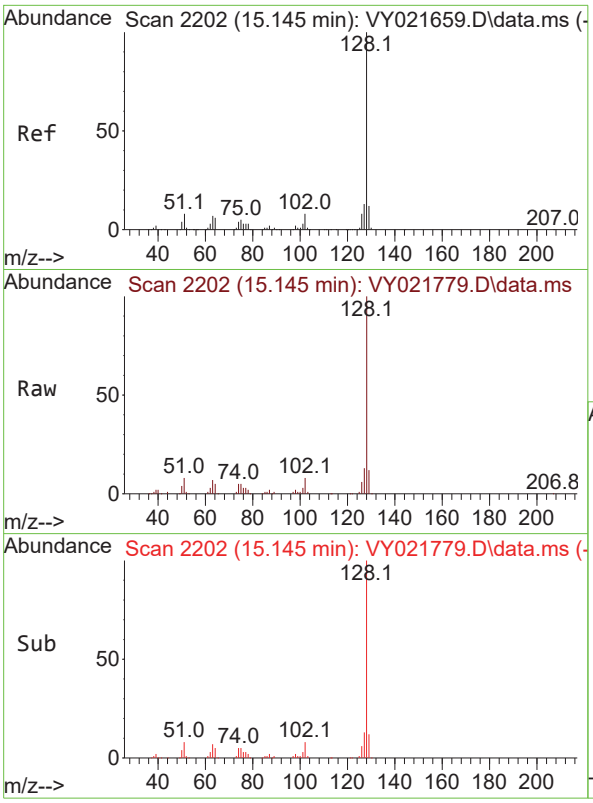


#94
Hexachlorobutadiene
Concen: 19.118 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:225 Resp: 30099

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.7
227	65.4	32.4	97.0

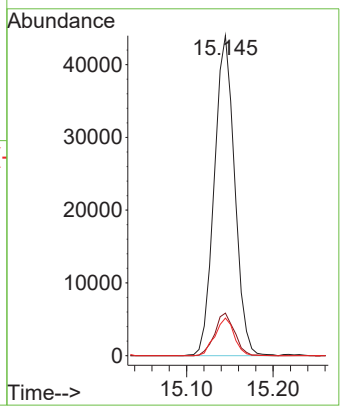




#95
Naphthalene
Concen: 17.176 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:128 Resp: 7177

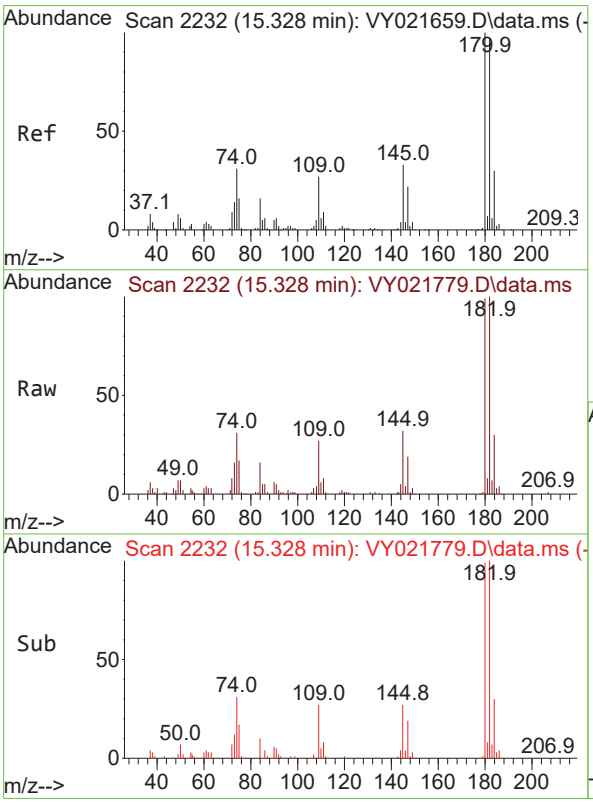
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.2	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Manual Integrations
APPROVED

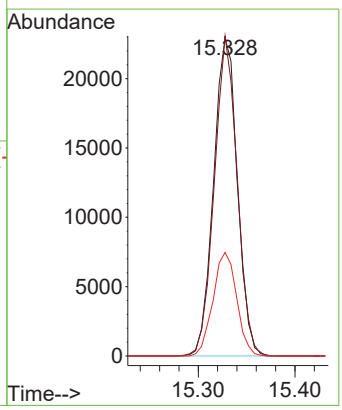
Reviewed By :Mahesh Dadoda 04/07/2025
Supervised By :Semsettin Yesilyurt 04/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.186 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:180 Resp: 39094

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	32.4	15.9	47.7



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

Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY040425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021776.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:23 PM	Sam	4/7/2025 1:12:29 PM	Peak Integrated by Software
VY0404SBS01	VY021778.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:27 PM	Sam	4/7/2025 1:12:30 PM	Peak Integrated by Software
VY0404SBS01	VY021778.D	Methacrylonitrile	MMDadoda	4/7/2025 12:55:27 PM	Sam	4/7/2025 1:12:30 PM	Peak Integrated by Software
VY0404SBSD01	VY021779.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:31 PM	Sam	4/7/2025 1:12:31 PM	Peak Integrated by Software
VY0404SBSD01	VY021779.D	Methacrylonitrile	MMDadoda	4/7/2025 12:55:31 PM	Sam	4/7/2025 1:12:31 PM	Peak Integrated by Software
Q1730-11	VY021786.D	Ethyl Acetate	MMDadoda	4/7/2025 12:55:35 PM	Sam	4/7/2025 1:12:33 PM	Peak Integrated by Software
VSTDCCC050	VY021792.D	1,2,3-Trichloropropane	MMDadoda	4/7/2025 12:55:43 PM	Sam	4/7/2025 1:12:34 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY040725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021794.D	1,2,3-Trichloropropane	MMDadoda	4/8/2025 2:05:42 PM	SAM	4/8/2025 2:07:22 PM	Peak Integrated by Software
VSTDCCC050	VY021794.D	Methacrylonitrile	MMDadoda	4/8/2025 2:05:42 PM	SAM	4/8/2025 2:07:22 PM	Peak Integrated by Software
VY0407SBS01	VY021796.D	1,2,3-Trichloropropane	MMDadoda	4/8/2025 2:05:43 PM	SAM	4/8/2025 2:07:23 PM	Peak Integrated by Software
VSTDCCC050	VY021804.D	1,2,3-Trichloropropane	MMDadoda	4/8/2025 2:05:49 PM	SAM	4/8/2025 2:07:27 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040425

Review By	Mahesh Dadoda	Review On	4/7/2025 12:13:49 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/7/2025 1:12:39 PM				
SubDirectory	VY040425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133593
Initial Calibration Stds	
CCC	VP133594,VP133595
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	VY021775.D	04 Apr 2025 08:52	SY/MD	Ok
2	VSTDCCC050	VY021776.D	04 Apr 2025 09:22	SY/MD	Ok,M
3	VY0404SBL01	VY021777.D	04 Apr 2025 09:57	SY/MD	Ok
4	VY0404SBS01	VY021778.D	04 Apr 2025 10:26	SY/MD	Ok,M
5	VY0404SBSD01	VY021779.D	04 Apr 2025 10:49	SY/MD	Ok,M
6	Q1721-01	VY021780.D	04 Apr 2025 12:22	SY/MD	Ok
7	Q1730-01	VY021781.D	04 Apr 2025 13:27	SY/MD	Ok
8	Q1730-03	VY021782.D	04 Apr 2025 13:50	SY/MD	Ok
9	Q1730-05	VY021783.D	04 Apr 2025 14:13	SY/MD	Ok
10	Q1730-07	VY021784.D	04 Apr 2025 14:37	SY/MD	Ok
11	Q1730-09	VY021785.D	04 Apr 2025 15:00	SY/MD	Ok
12	Q1730-11	VY021786.D	04 Apr 2025 15:24	SY/MD	Ok,M
13	Q1730-13	VY021787.D	04 Apr 2025 15:47	SY/MD	Ok
14	Q1730-15	VY021788.D	04 Apr 2025 16:11	SY/MD	Ok
15	Q1730-17	VY021789.D	04 Apr 2025 16:34	SY/MD	ReRun
16	Q1730-19	VY021790.D	04 Apr 2025 16:57	SY/MD	ReRun
17	VIBLK	VY021791.D	04 Apr 2025 17:21	SY/MD	Ok
18	VSTDCCC050	VY021792.D	04 Apr 2025 17:44	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040725

Review By	Mahesh Dadoda	Review On	4/8/2025 2:06:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/8/2025 2:07:32 PM				
SubDirectory	VY040725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133613
Initial Calibration Stds	
CCC	VP133614,VP133615
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	VY021793.D	07 Apr 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY021794.D	07 Apr 2025 09:10	SY/MD	Ok,M
3	VY0407SBL01	VY021795.D	07 Apr 2025 13:35	SY/MD	Ok
4	VY0407SBS01	VY021796.D	07 Apr 2025 14:07	SY/MD	Ok,M
5	VY0407SBSD01	VY021797.D	07 Apr 2025 14:30	SY/MD	Ok,M
6	Q1730-17	VY021798.D	07 Apr 2025 15:10	SY/MD	Ok
7	Q1730-19	VY021799.D	07 Apr 2025 15:32	SY/MD	Ok
8	Q1733-01	VY021800.D	07 Apr 2025 15:56	SY/MD	Ok
9	Q1735-01	VY021801.D	07 Apr 2025 16:19	SY/MD	Ok
10	Q1737-01	VY021802.D	07 Apr 2025 16:42	SY/MD	ReRun
11	Q1738-01	VY021803.D	07 Apr 2025 17:06	SY/MD	ReRun
12	VSTDCCC050	VY021804.D	07 Apr 2025 17:29	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040425

Review By	Mahesh Dadoda	Review On	4/7/2025 12:13:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/7/2025 1:12:39 PM		
SubDirectory	VY040425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133593
Initial Calibration Stds	
CCC	VP133594,VP133595
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	VY021775.D	04 Apr 2025 08:52		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021776.D	04 Apr 2025 09:22		SY/MD	Ok,M
3	VY0404SBL01	VY0404SBL01	VY021777.D	04 Apr 2025 09:57		SY/MD	Ok
4	VY0404SBS01	VY0404SBS01	VY021778.D	04 Apr 2025 10:26		SY/MD	Ok,M
5	VY0404SBSD01	VY0404SBSD01	VY021779.D	04 Apr 2025 10:49		SY/MD	Ok,M
6	Q1721-01	AU-05-040325	VY021780.D	04 Apr 2025 12:22	vial-A	SY/MD	Ok
7	Q1730-01	OU4-VSL-15-040325	VY021781.D	04 Apr 2025 13:27	vial-A	SY/MD	Ok
8	Q1730-03	OU4-VSL-16-040325	VY021782.D	04 Apr 2025 13:50	vial-A	SY/MD	Ok
9	Q1730-05	OU4-VSL-17-040325	VY021783.D	04 Apr 2025 14:13	vial-A	SY/MD	Ok
10	Q1730-07	OU4-PCS-TC-21-04032	VY021784.D	04 Apr 2025 14:37	vial-A	SY/MD	Ok
11	Q1730-09	OU4-PCS-TC-22-04032	VY021785.D	04 Apr 2025 15:00	vial-A	SY/MD	Ok
12	Q1730-11	OU4-PCS-TC-23-04032	VY021786.D	04 Apr 2025 15:24	vial-A	SY/MD	Ok,M
13	Q1730-13	OU4-PCS-TC-24-04032	VY021787.D	04 Apr 2025 15:47	vial-A	SY/MD	Ok
14	Q1730-15	OU4-PCS-TC-25-04032	VY021788.D	04 Apr 2025 16:11	vial-A	SY/MD	Ok
15	Q1730-17	OU4-PCS-TC-26-04032	VY021789.D	04 Apr 2025 16:34	Vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1730-19	OU4-CF-15-040325	VY021790.D	04 Apr 2025 16:57	vial-A Internal Standard Fail	SY/MD	ReRun
17	VIBLK	VIBLK	VY021791.D	04 Apr 2025 17:21		SY/MD	Ok
18	VSTDCCC050	VSTDCCC050EC	VY021792.D	04 Apr 2025 17:44		SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040425

Review By	Mahesh Dadoda	Review On	4/7/2025 12:13:49 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/7/2025 1:12:39 PM		
SubDirectory	VY040425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133593
Initial Calibration Stds	
CCC	VP133594,VP133595
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040725

Review By	Mahesh Dadoda	Review On	4/8/2025 2:06:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/8/2025 2:07:32 PM		
SubDirectory	VY040725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133613
Initial Calibration Stds	
CCC	VP133614,VP133615
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	VY021793.D	07 Apr 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021794.D	07 Apr 2025 09:10		SY/MD	Ok,M
3	VY0407SBL01	VY0407SBL01	VY021795.D	07 Apr 2025 13:35		SY/MD	Ok
4	VY0407SBS01	VY0407SBS01	VY021796.D	07 Apr 2025 14:07		SY/MD	Ok,M
5	VY0407SBSD01	VY0407SBSD01	VY021797.D	07 Apr 2025 14:30		SY/MD	Ok,M
6	Q1730-17	OU4-PCS-TC-26-04032	VY021798.D	07 Apr 2025 15:10	vial-B	SY/MD	Ok
7	Q1730-19	OU4-CF-15-040325	VY021799.D	07 Apr 2025 15:32	vial-B	SY/MD	Ok
8	Q1733-01	ETGI-328	VY021800.D	07 Apr 2025 15:56	vial-A	SY/MD	Ok
9	Q1735-01	50660-50661-50662-56	VY021801.D	07 Apr 2025 16:19	vial-A	SY/MD	Ok
10	Q1737-01	RT3069	VY021802.D	07 Apr 2025 16:42	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q1738-01	OK-02-040425	VY021803.D	07 Apr 2025 17:06	vial-A Internal Standard Fail	SY/MD	ReRun
12	VSTDCCC050	VSTDCCC050EC	VY021804.D	07 Apr 2025 17:29		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135307

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
Q1729-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1729-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1729-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1729-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1729-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1729-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1729-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1729-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1729-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1729-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1730-01	OU4-VSL-15-040325	11	1.14	10.58	11.72	11.39	96.9	
Q1730-03	OU4-VSL-16-040325	12	1.15	10.28	11.43	10.86	94.5	
Q1730-05	OU4-VSL-17-040325	13	1.16	11.32	12.48	11.62	92.4	
Q1730-07	OU4-PCS-TC-21-040325	14	1.18	10.92	12.1	10.9	89.0	
Q1730-09	OU4-PCS-TC-22-040325	15	1.16	11.79	12.95	11.87	90.8	
Q1730-11	OU4-PCS-TC-23-040325	16	1.19	11.24	12.43	11.41	90.9	
Q1730-13	OU4-PCS-TC-24-040325	17	1.18	10.42	11.6	10.69	91.3	
Q1730-15	OU4-PCS-TC-25-040325	18	1.14	11.13	12.27	11.43	92.5	
Q1730-17	OU4-PCS-TC-26-040325	19	1.15	10.84	11.99	11.13	92.1	
Q1730-19	OU4-CF-15-040325	20	1.15	10.74	11.89	11.23	93.9	
Q1732-01	TT-8	21	1.15	10.40	11.55	10.48	89.7	
Q1732-02	TT-8-EPH	22	1.15	10.33	11.48	10.34	89.0	
Q1732-03	TT-8-VOC	23	1.19	10.01	11.2	10.11	89.1	
Q1733-01	ETGI-328	24	1.18	10.19	11.37	8.37	70.6	
Q1733-02	ETGI-328-E2	25	1.18	10.29	11.47	8.27	68.9	
Q1734-01	HEH6237-1-1	26	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-02	HEH6237-1-2	27	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-03	STJ23-1-1	28	1.00	1.00	2.00	2.00	100.0	pilc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135307

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
Q1734-04	STJ23-1-2	29	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-05	HIA989S-1-1	30	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-06	HIA989S-1-2	31	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-07	HED302R-1-1	32	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-08	HED302R-1-2	33	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-09	HED302R-2-1	34	1.00	1.00	2.00	2.00	100.0	pilc
Q1734-10	HED302R-2-2	35	1.00	1.00	2.00	2.00	100.0	pilc
Q1735-01	50660-50661-50662-5663 -COMP	36	1.18	10.92	12.1	10.42	84.6	
Q1736-01	GST1	37	1.18	10.04	11.22	9.07	78.6	
Q1736-02	GST2	38	1.18	10.93	12.11	9.98	80.5	
Q1737-01	RT3069	39	1.19	11.58	12.77	11.34	87.7	
Q1738-01	OK-02-040425	40	1.16	10.34	11.5	10.06	86.1	
Q1738-02	OK-02-040425-E2	41	1.19	10.54	11.73	10.37	87.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135307

WorkList Name : %1-040425 **WorkList ID :** 188724 **Department :** Wet-Chemistry **Date :** 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1736-01	GST1	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1736-02	GST2	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1730-01	OU4-VSL-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-03	OU4-VSL-16-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-05	OU4-VSL-17-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-07	OU4-PCS-TC-21-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-09	OU4-PCS-TC-22-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-11	OU4-PCS-TC-23-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-13	OU4-PCS-TC-24-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-15	OU4-PCS-TC-25-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-17	OU4-PCS-TC-26-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-19	OU4-CF-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1729-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1729-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO

Date/Time 04/04/25 1520

Raw Sample Received by: JB CCDC

Raw Sample Relinquished by: SM

Date/Time 04/04/25 17:15

Raw Sample Received by: SM

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WP135307

WorkList Name : %1-040425 **WorkList ID :** 188724 **Department :** Wet-Chemistry **Date :** 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1729-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1732-01	TT-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-02	TT-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-03	TT-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-01	ETGI-328	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-02	ETGI-328-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-01	HEH6237-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-08	HED302R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-09	HED302R-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-10	HED302R-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1735-01	50660-50661-50662-5663-COM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1737-01	RT3069	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-02	HEH6237-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-03	STJ23-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-04	STJ23-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-05	HIA989S-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-06	HIA989S-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-07	HED302R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1738-01	OK-02-040425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1738-02	OK-02-040425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/04/2025	Chemtech -SO

Date/Time 04/04/25 15:20

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/04/25 17:15

Raw Sample Received by:

Raw Sample Relinquished by:

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

Prep Standard - Chemical Standard Summary

Order ID : Q1730

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VY040425,VY040725,

Standard ID :
VP131767,VP131783,VP132035,VP132036,VP132098,VP133175,VP133342,VP133343,VP133544,VP133545,VP133593,VP133594,VP133595,VP133613,VP133614,VP133615,

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,V14883,V14896,V14897,V14898,V14899,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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133342	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/20/2025

FROM 1.00000ml of V14896 + 1.00000ml of V14897 + 1.00000ml of V14898 + 1.00000ml of V14899 + 21.00000ml of V14883 = 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	VP133343	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/20/2025

FROM 5.62500ml of V14883 + 9.37500ml of VP133342 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	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
732	BFB TUNE CHECK - SOIL	VP133593	04/04/2025	04/05/2025	Amit Patel	None	None	Mahesh Dadoda 04/07/2025

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	VP133594	04/04/2025	04/05/2025	Amit Patel	None	None	Mahesh Dadoda 04/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 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	VP133595	04/04/2025	04/05/2025	Amit Patel	None	None	Mahesh Dadoda 04/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 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	VP133613	04/07/2025	04/08/2025	Amit Patel	None	None	Mahesh Dadoda 04/09/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = Final Quantity: 5.000 ml

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133614	04/07/2025	04/08/2025	Amit Patel	None	None	Mahesh Dadoda 04/09/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 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	VP133615	04/07/2025	04/08/2025	Amit Patel	None	None	Mahesh Dadoda 04/09/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 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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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	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

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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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	10/25/2025	02/19/2025 / Jaswal	04/22/2024 / Jaswal	V14883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14897

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14898

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14899

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 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

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

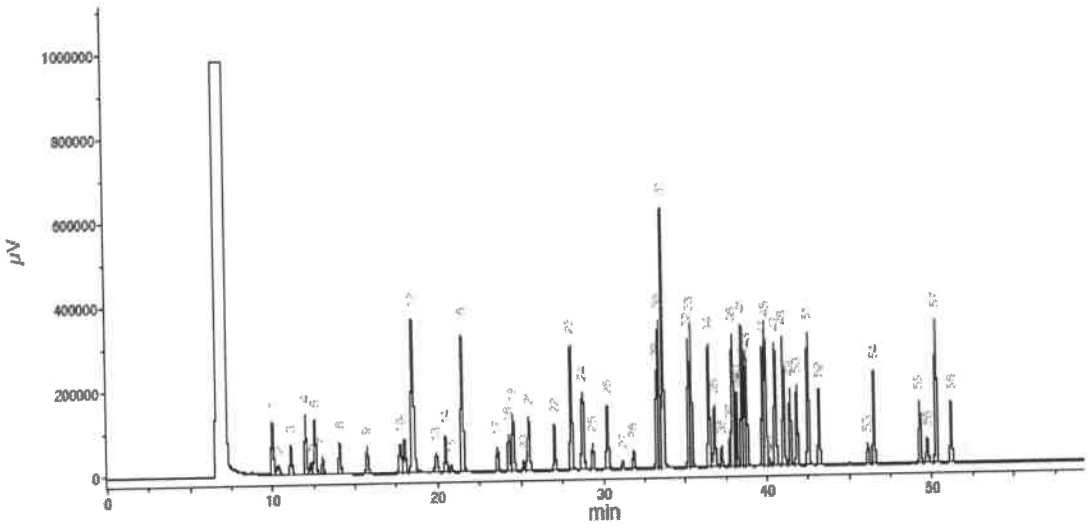
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/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	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
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	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	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))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 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.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

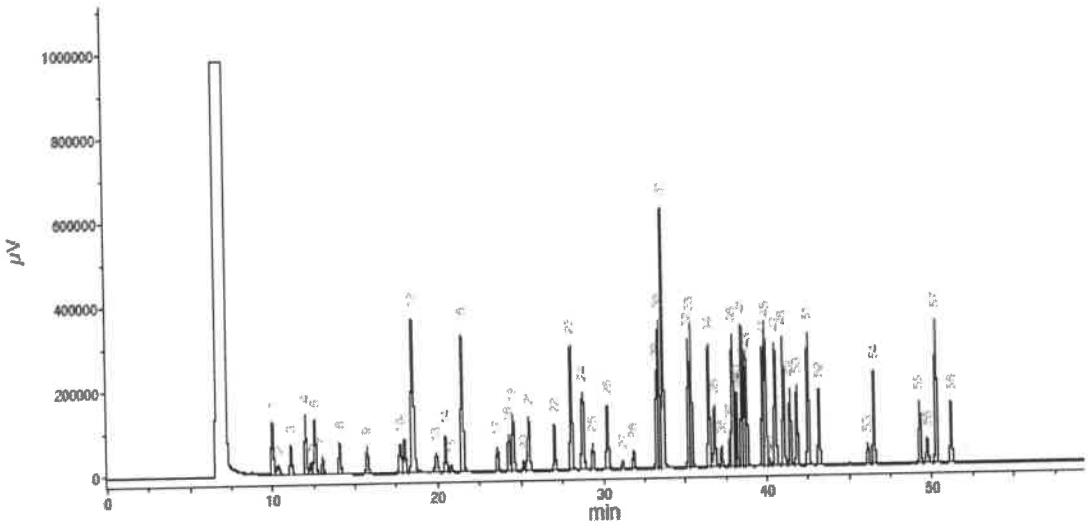
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	MKCR6561	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)	MKBW6137V	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 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
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	48.26
56	Hexachlorobutadiene	48.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	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))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 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.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): Water **Lot#** 072324Q

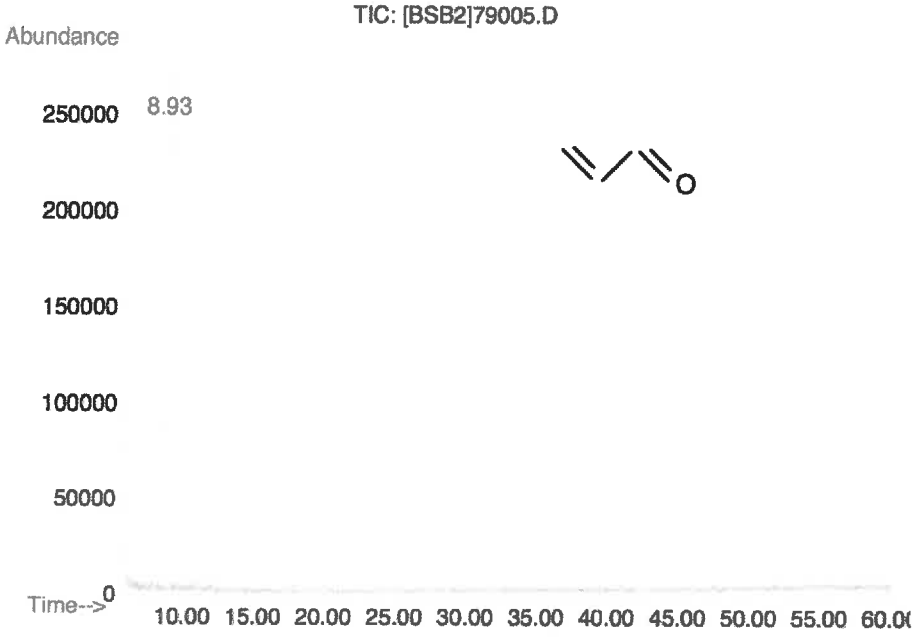
5 vial
V14895 to V14899

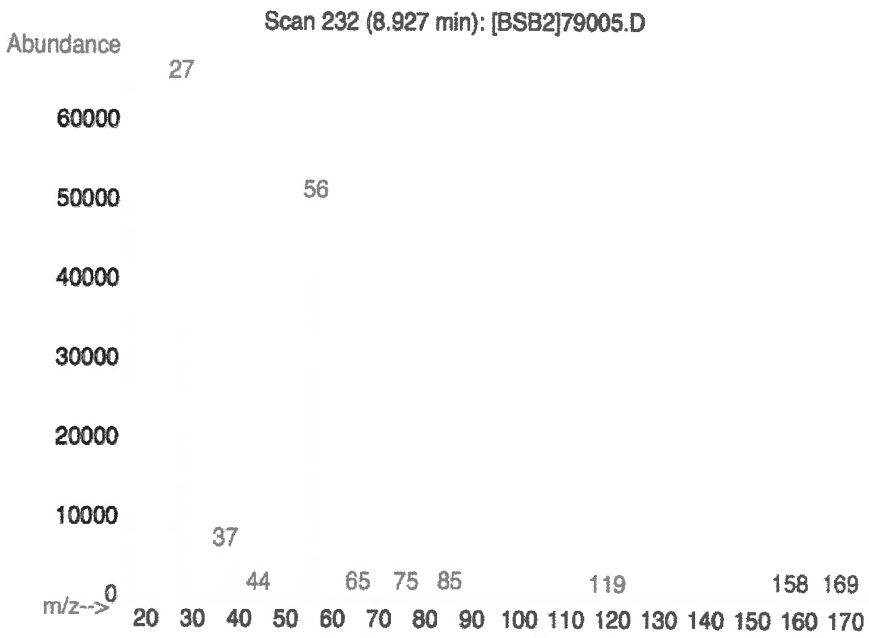
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	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 03/18/24
5 vial

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

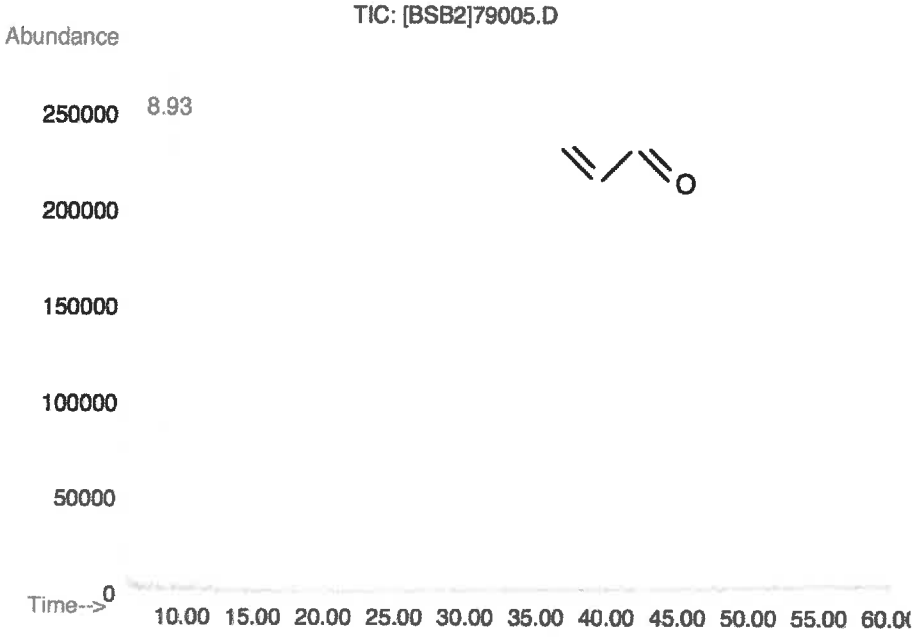
Weight(s) shown below were combined and diluted to (mL): 10.0

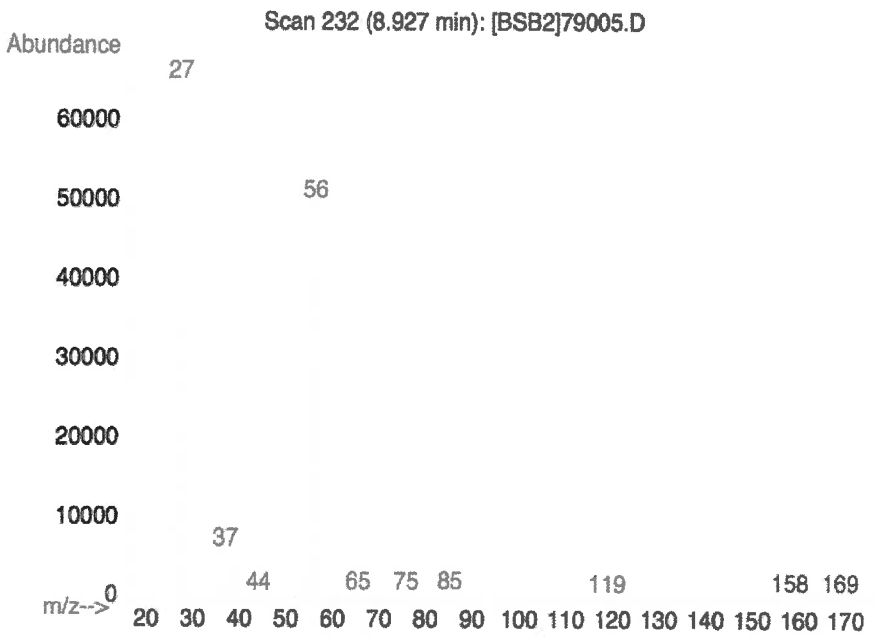
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
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- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
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- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	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 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5 vial

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

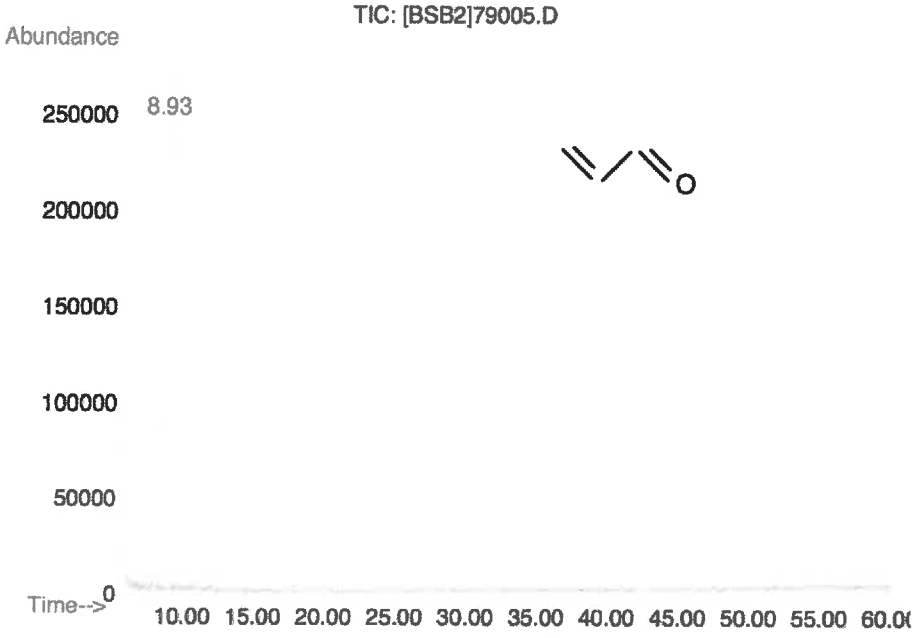
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Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

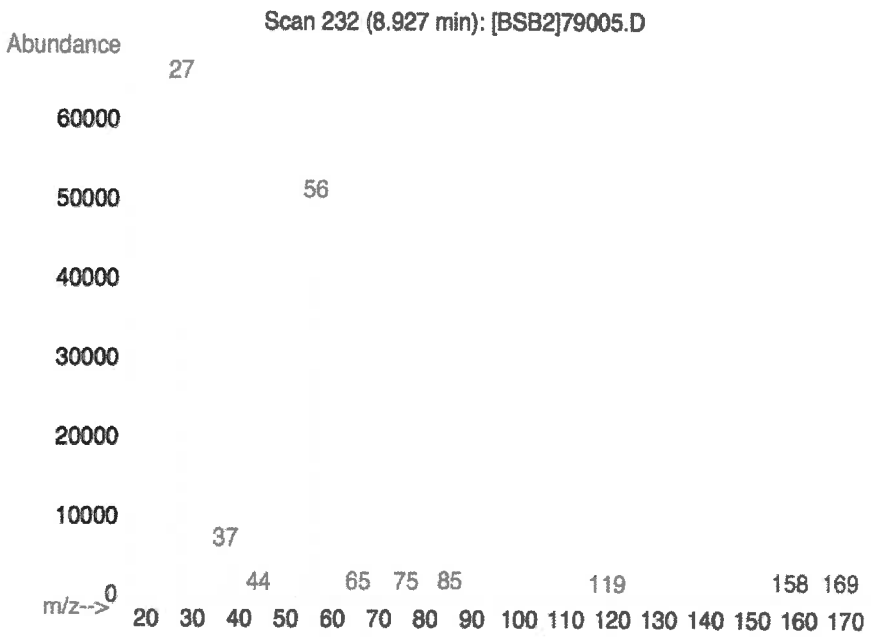
Lawrence Barry 031725
Formulated By: Lawrence Barry DATE

Pedro Rentas 031725
Reviewed By: Pedro L. Rentas DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

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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
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Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): Water **Lot#** 072324Q

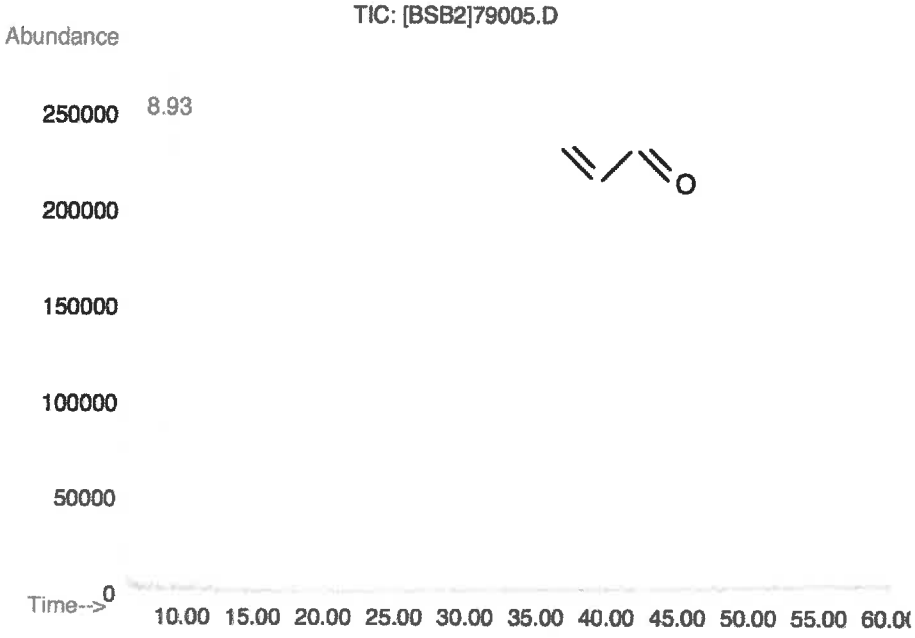
5 vials
V14895 to V14899

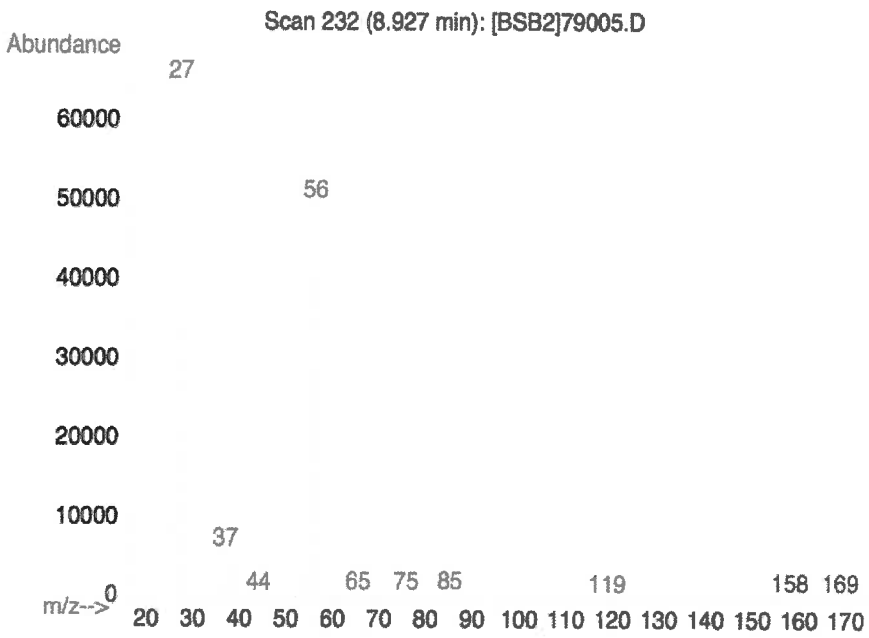
Formulated By: Lawrence Barry — 031725 DATE

Reviewed By: Pedro L. Rentas — 031725 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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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

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

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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

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Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

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

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): **Lot#**
Water 072324Q

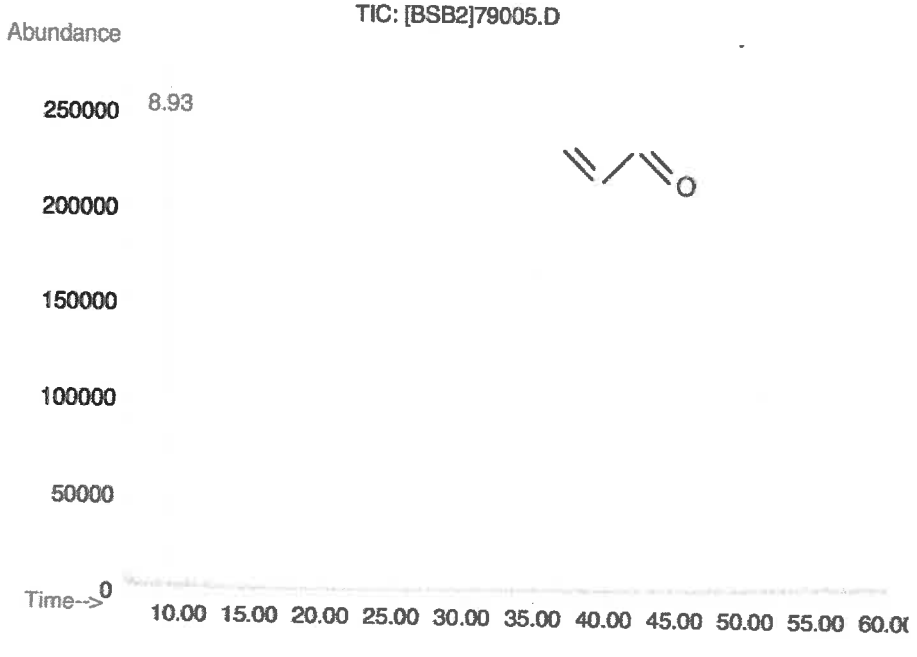
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

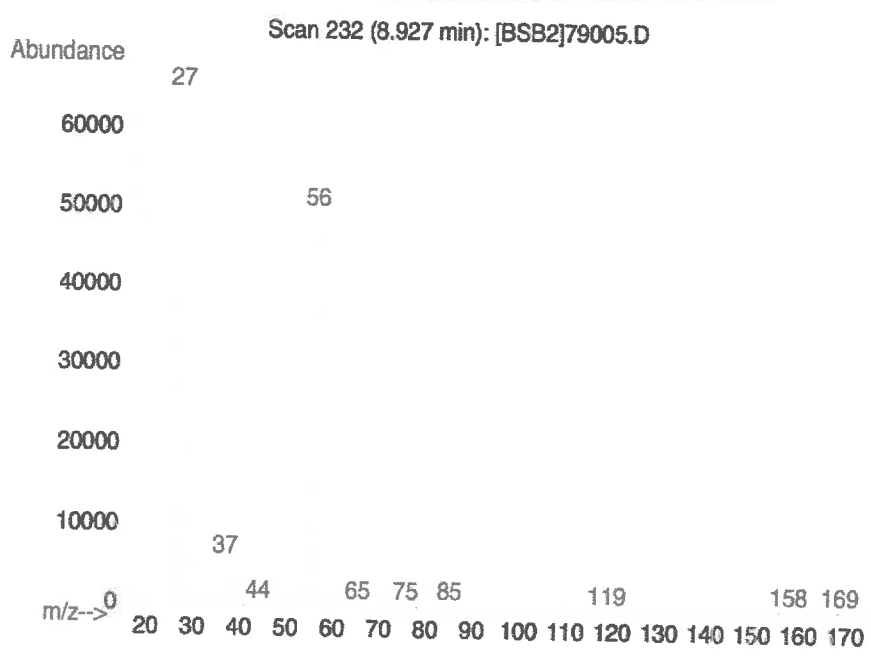
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
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	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Absolute Standards, Inc.
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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

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

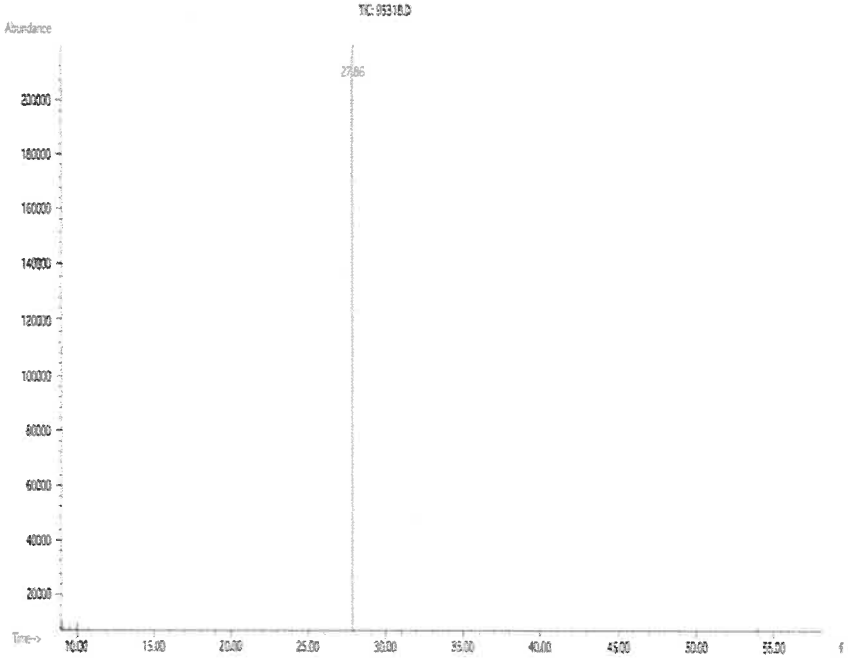
Solvent(s): Methanol **Lot#** EJ143-US

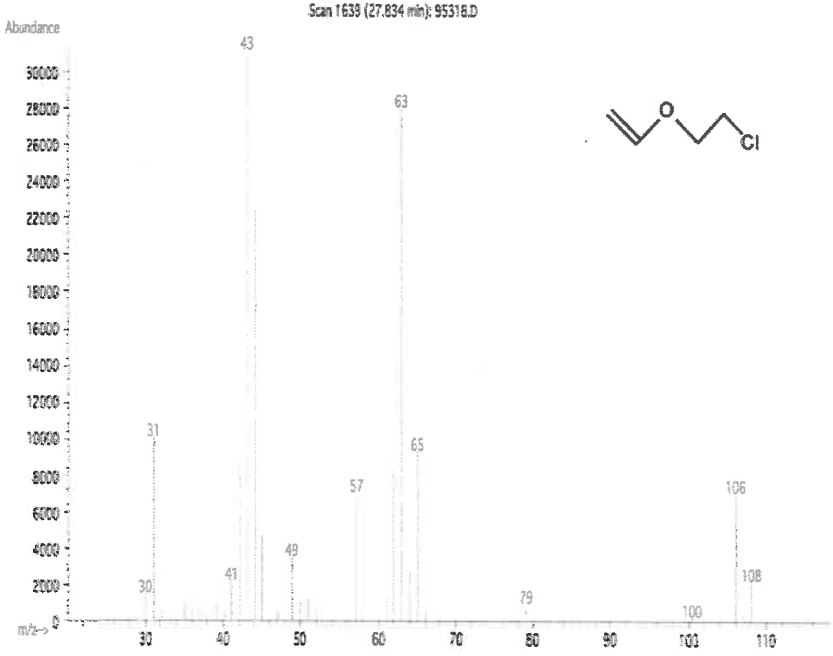
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

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

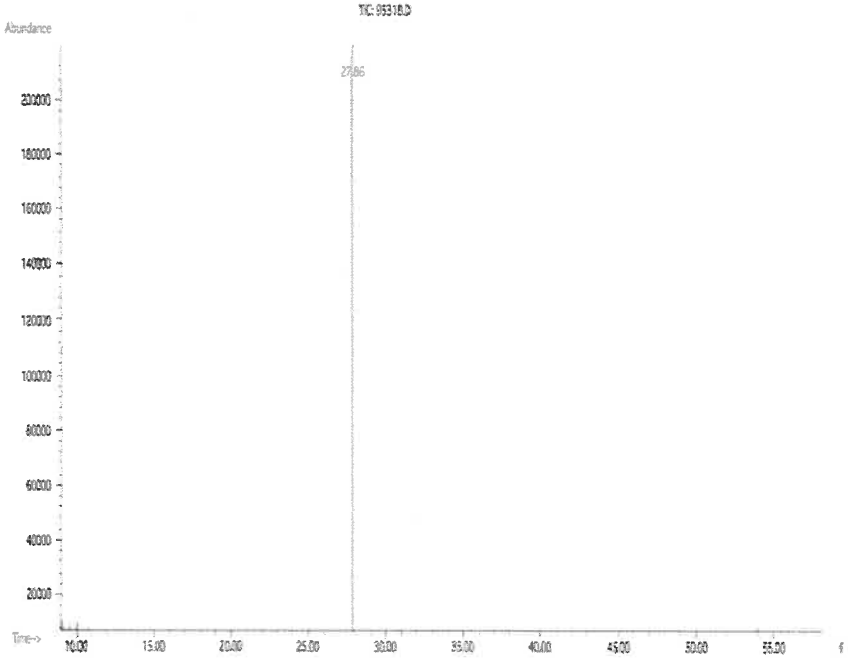
Solvent(s): Methanol **Lot#** EJ143-US

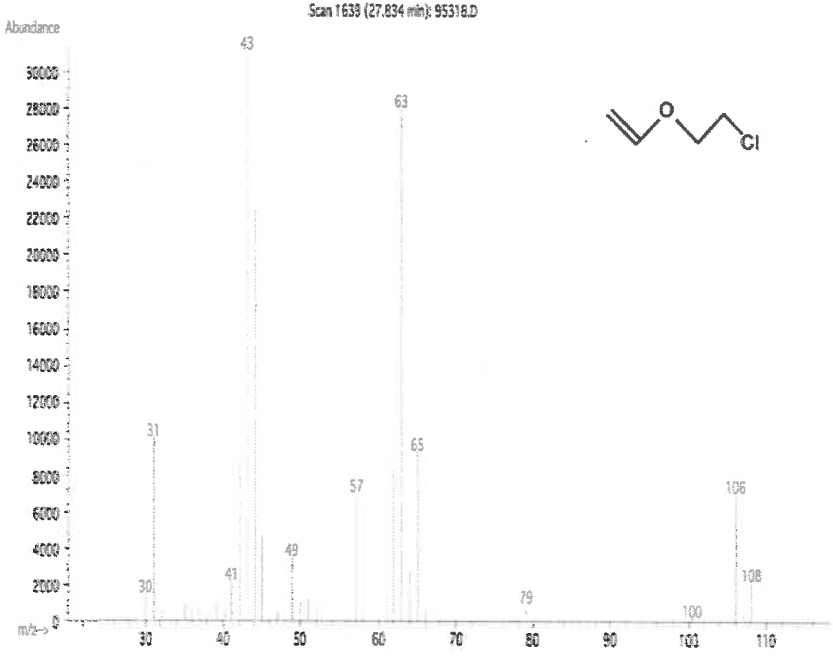
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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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.
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

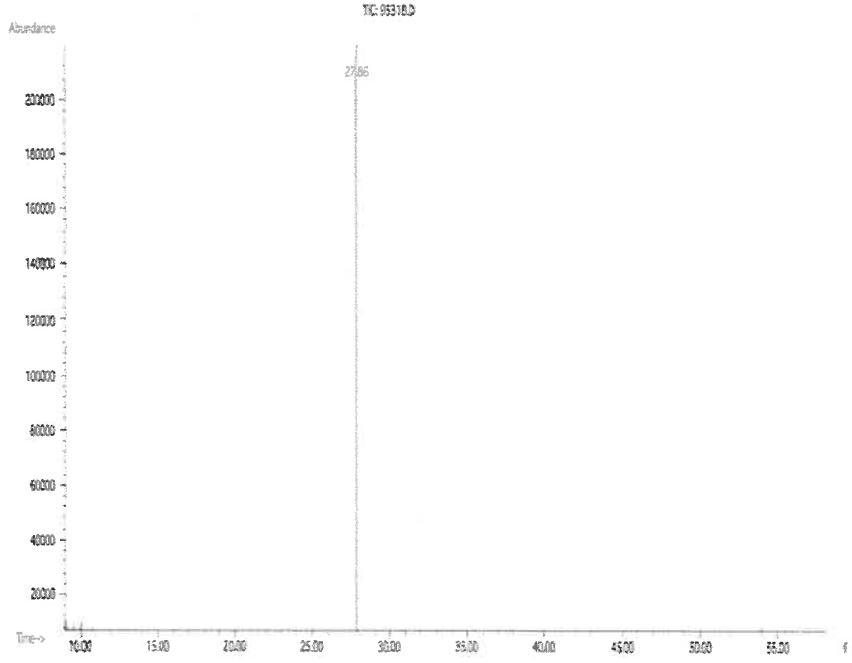
V14630 to V14649

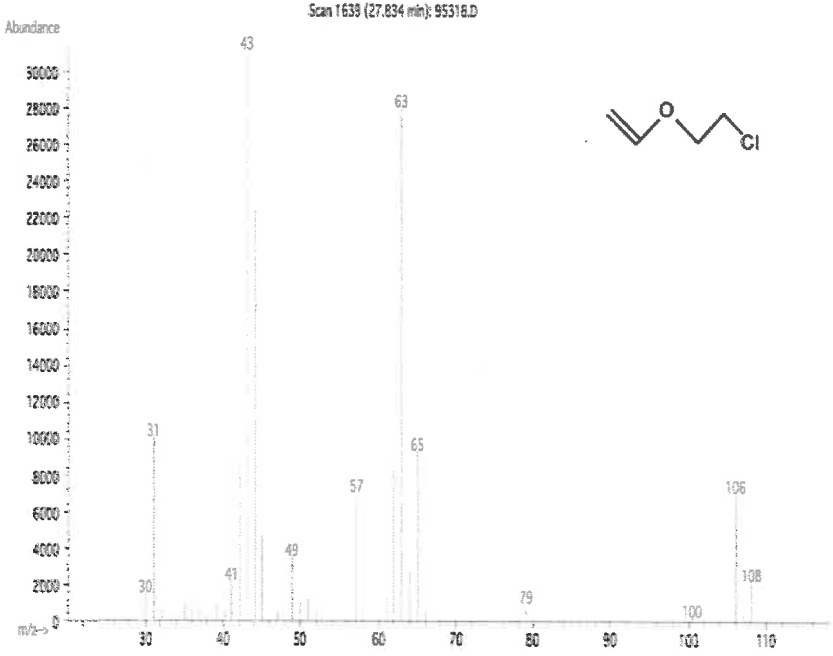
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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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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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Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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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.
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Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

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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
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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 12/6/24
20 vial
V14630 to
V14649

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

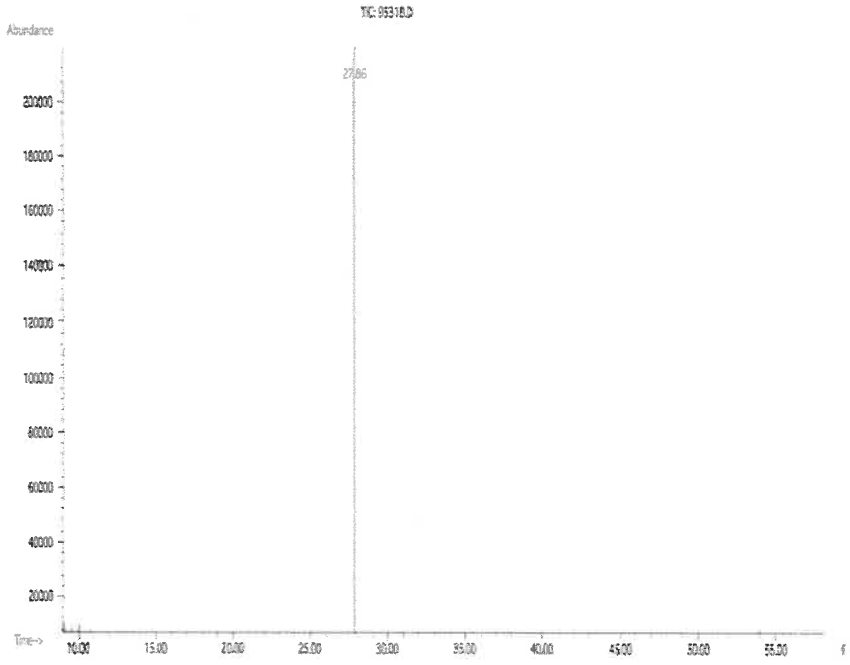
Solvent(s): Methanol **Lot#** EJ143-US

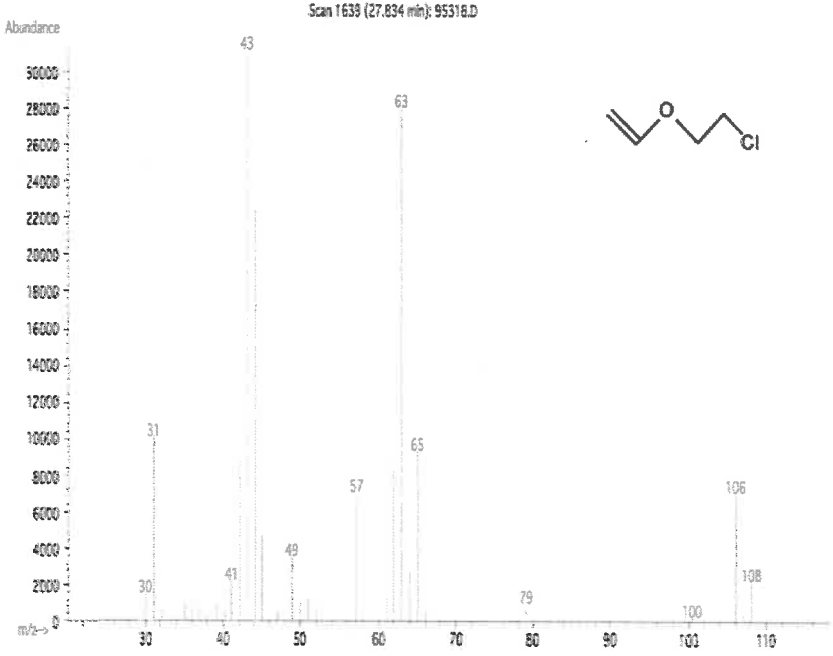
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

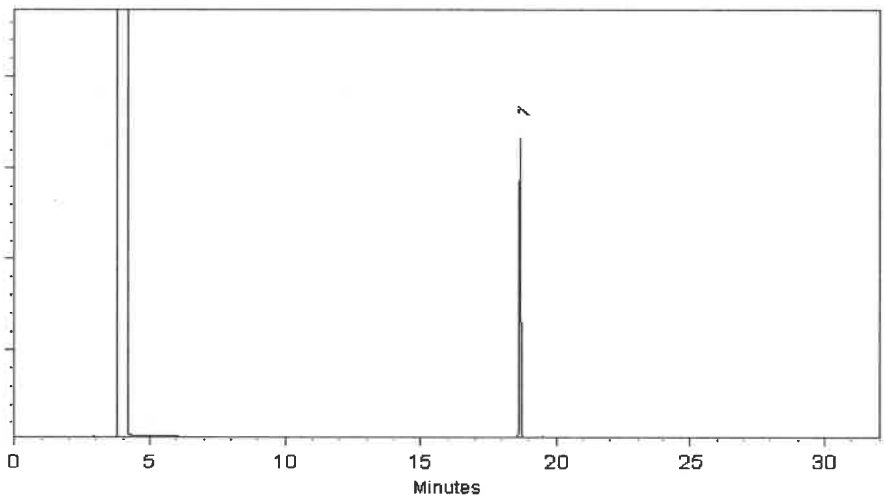
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

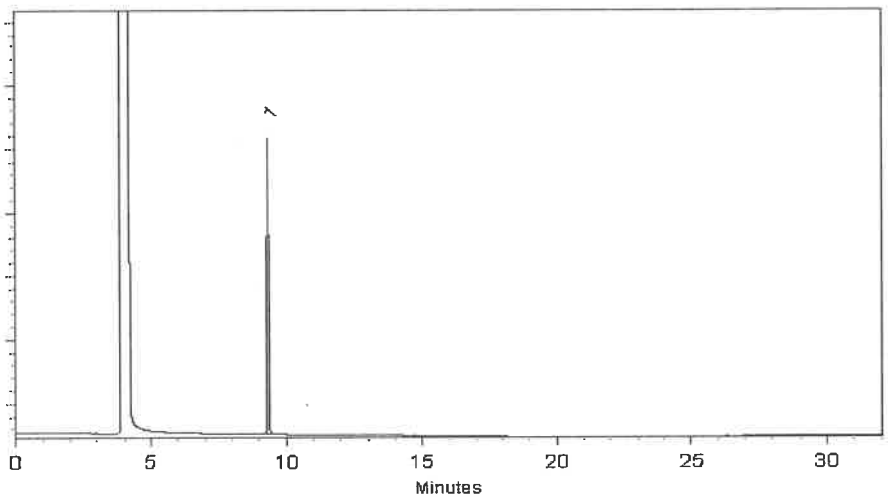
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 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.
- 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

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

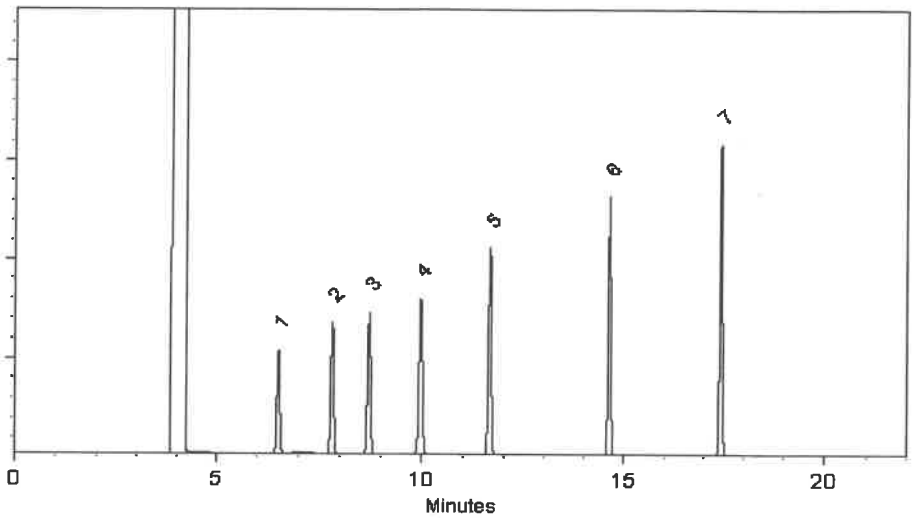
Inj. Temp:
200°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

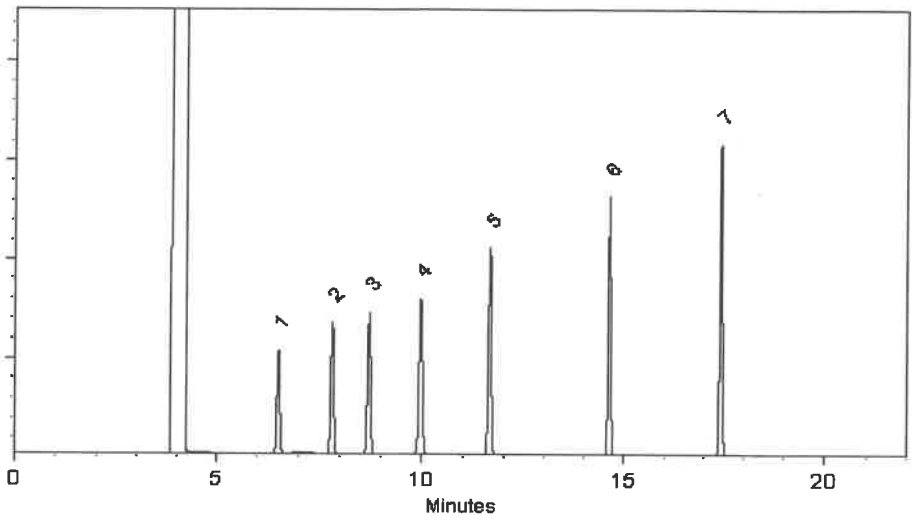
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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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.)

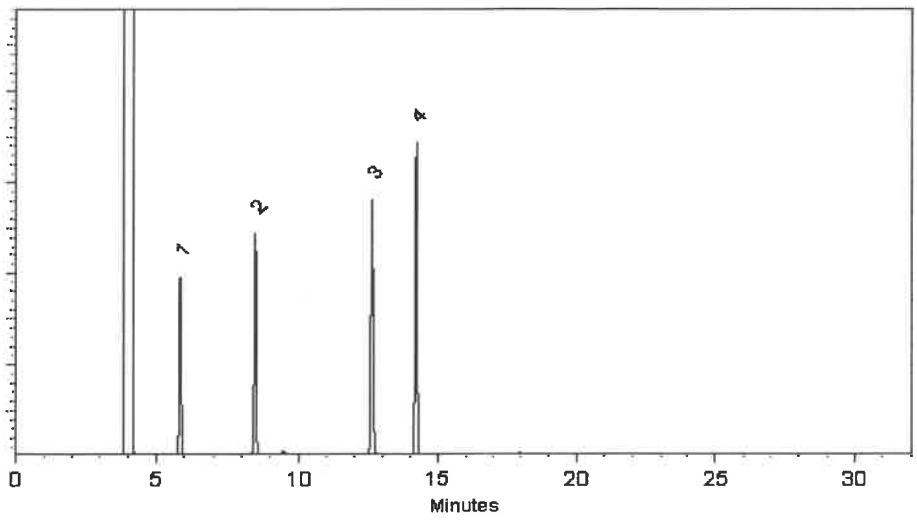
Inj. Temp:
200°C

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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.)

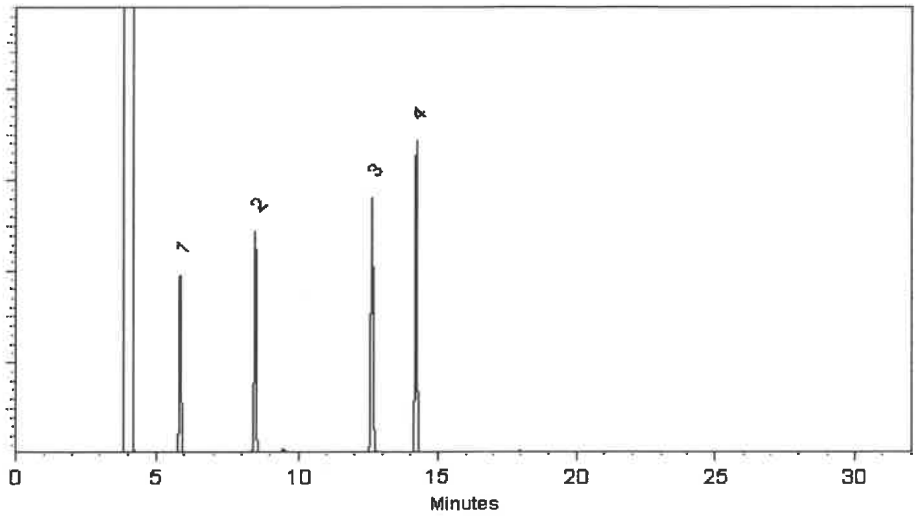
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

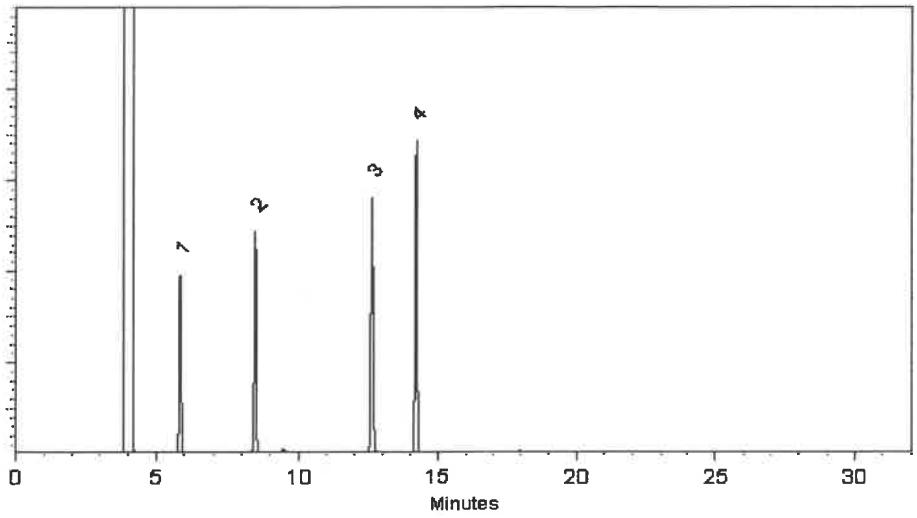
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

30 Vial

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** 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.

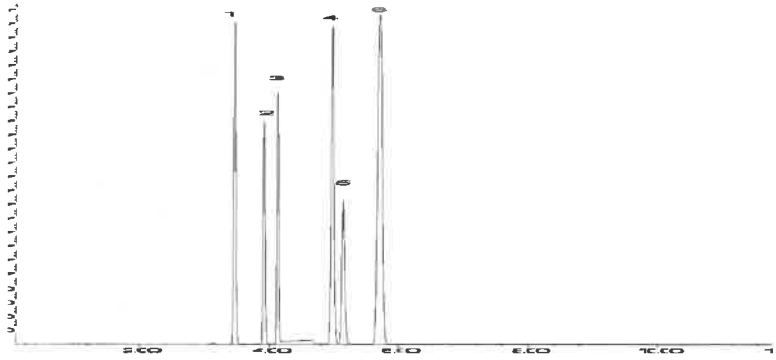
Inj. Temp:
200°C

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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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

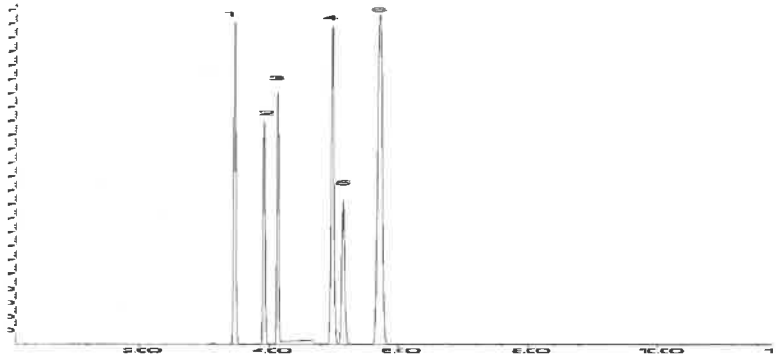
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

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.)

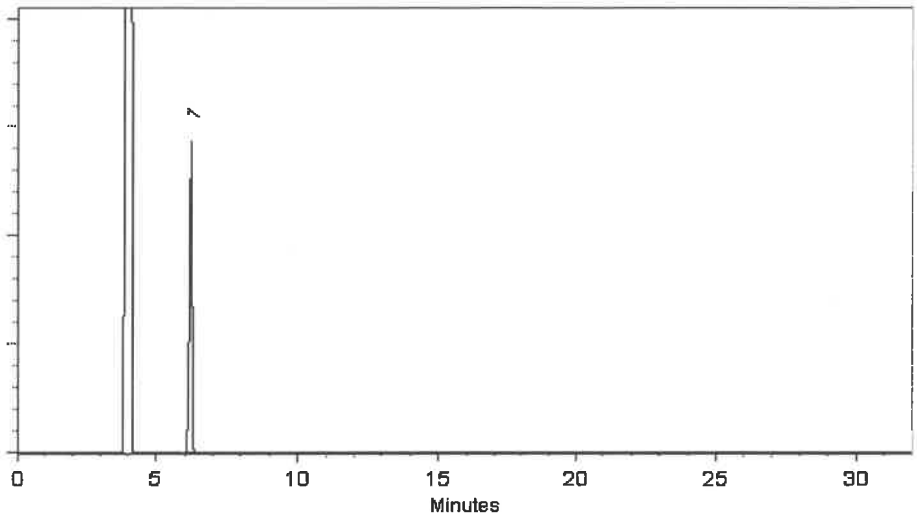
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

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.)

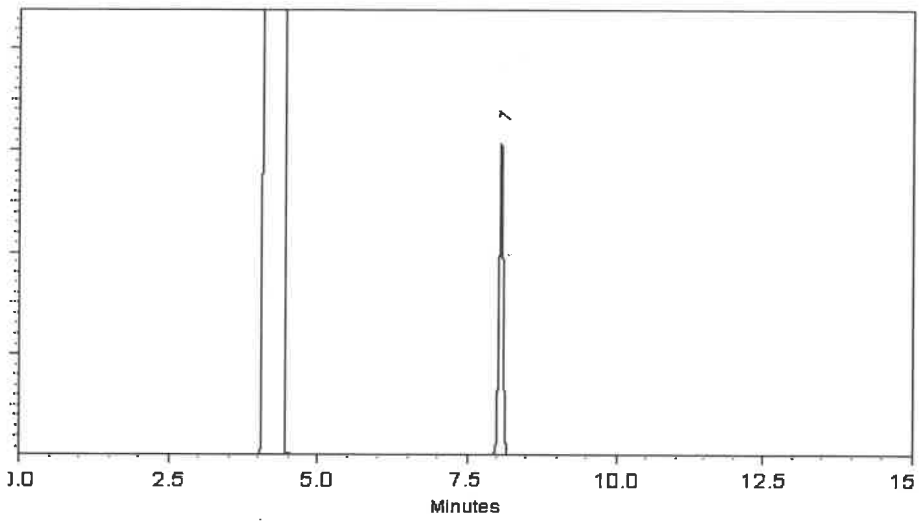
Inj. Temp:
200°C

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.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

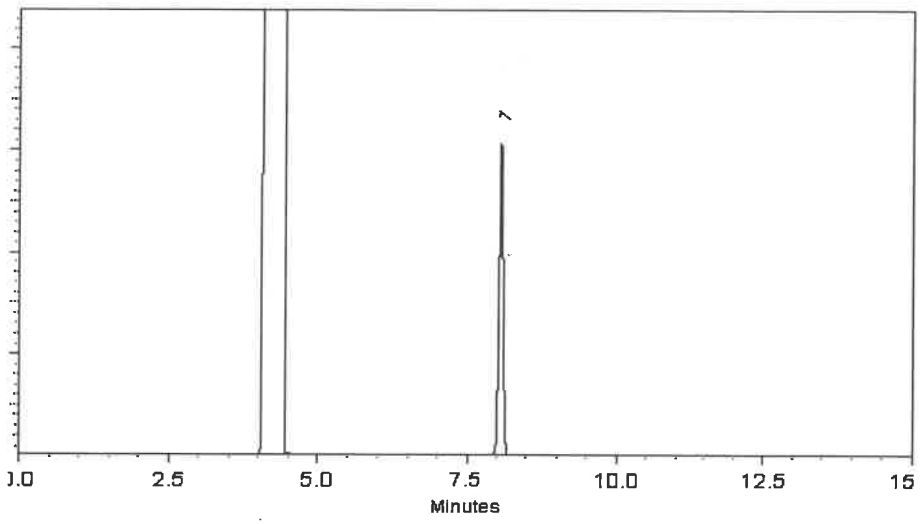
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

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Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

V14883
V14884

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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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

Preservation Log

BalanceID: VOC-SC-2

Review By: pedro

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1730-01	38.34-33.13=5.21	12:24	38.37-33.11=5.26	12:25	35.58-30.85=4.73	12:26	V14143	04/04/2025	8260 TERRACORE SAMPLES
2	Q1730-03	38.33-33.11=5.22	12:27	38.17-33.19=4.98	12:28	35.09-30.88=4.21	12:29	V14143	04/04/2025	
3	Q1730-05	38.59-32.89=5.7	12:30	38.73-33.07=5.66	12:31	35.80-30.79=5.01	12:32	V14143	04/04/2025	
4	Q1730-07	38.57-33.05=5.52	12:33	39.69-33.02=6.67	12:34	36.45-30.86=5.59	12:35	V14143	04/04/2025	
5	Q1730-09	39.64-33.06=6.58	12:36	39.54-33.20=6.34	12:37	36.62-30.41=6.21	12:38	V14143	04/04/2025	
6	Q1730-11	38.99-33.09=5.9	12:39	38.96-33.16=5.8	12:40	35.33-30.68=4.65	12:41	V14143	04/04/2025	
7	Q1730-13	39.38-32.98=6.4	12:42	39.01-33.08=5.93	12:43	34.53-30.80=3.73	12:44	V14143	04/04/2025	
8	Q1730-15	39.07-33.13=5.94	12:45	38.46-33.0=5.46	12:46	35.78-30.76=5.02	12:47	V14143	04/04/2025	
9	Q1730-17	38.95-33.04=5.91	12:48	39.41-33.12=6.29	12:49	35.75-30.78=4.97	12:50	V14143	04/04/2025	
10	Q1730-19	38.79-33.22=5.57	12:51	38.61-33.13=5.48	12:52	35.77-30.84=4.93	12:53	V14143	04/04/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Q1730

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

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:	C. Odell

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:
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-VSL-15-040325	4/3/25	1210	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-VSL-16-040325	4/3/25	1220	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-VSL-17-040325	4/3/25	1230	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-21-040325	4/3/25	1345	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-22-040325	4/3/25	1350	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-23-040325	4/3/25	1355	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-24-040325	4/3/25	1400	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-25-040325	4/3/25	1405	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-26-040325	4/3/25	1410	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-CF-15-040325	4/3/25	1300	G	S		3	2	1				X	X	X	X	X	X	X	X	X

[2] Preservation Code

Lab Use 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)

Relinquished by: (signature)	Date/Time: 4/3/25 1700	Client Comments:
Received by: (signature)	Date/Time: 4/4/25 1045	2.7; 2.6
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:	

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:

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.

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1730 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 4/4/2025 10:51:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 4/4/2025 10:45:00 AM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 4/4/2025 11:24:53 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1730-01	OU4-VSL-15-040325	Solid	04/03/2025	12:10	VOCMS Group3		8260D		10 Bus. Days
Q1730-03	OU4-VSL-16-040325	Solid	04/03/2025	12:20	VOCMS Group3		8260D		10 Bus. Days
Q1730-05	OU4-VSL-17-040325	Solid	04/03/2025	12:30	VOCMS Group3		8260D		10 Bus. Days
Q1730-07	OU4-PCS-TC-21-040325	Solid	04/03/2025	13:45	VOCMS Group3		8260D		10 Bus. Days
Q1730-09	OU4-PCS-TC-22-040325	Solid	04/03/2025	13:50	VOCMS Group3		8260D		10 Bus. Days
Q1730-11	OU4-PCS-TC-23-040325	Solid	04/03/2025	13:55	VOCMS Group3		8260D		10 Bus. Days
Q1730-13	OU4-PCS-TC-24-040325	Solid	04/03/2025	14:00	VOCMS Group3		8260D		10 Bus. Days
Q1730-15	OU4-PCS-TC-25-040325	Solid	04/03/2025	14:05					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1730 NOBI03
Client Name : Nobis Group
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Order Date : 4/4/2025 10:51:00 AM
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Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 4/4/2025 11:24:53 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D		10 Bus. Days
Q1730-17	OU4-PCS-TC-26-040325	Solid	04/03/2025	14:10					
					VOCMS Group3		8260D		10 Bus. Days
Q1730-19	OU4-CF-15-040325	Solid	04/03/2025	13:00					
					VOCMS Group3		8260D		10 Bus. Days

Relinguished By :
Date / Time : 4/4/25 1145

Received By :
Date / Time : 4/4/25 14:15

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.300%#			
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.020%#			
50) Toluene-d8	10.109	98	44774	5.177	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.360%#			
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.700%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l		98
3) Chloromethane	2.074	50	19017	6.010	ug/l		90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l		93
5) Bromomethane	2.598	94	15395	6.308	ug/l		99
6) Chloroethane	2.733	64	13977	5.969	ug/l		99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l		98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l		98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l		98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l	#	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l		92
13) Acrolein	3.653	56	7499	26.881	ug/l		93
14) Allyl chloride	4.385	41	19469	5.362	ug/l		97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l	#	88
16) Acetone	3.873	43	15736	32.687	ug/l		100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l		99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l		97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l		100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l		96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l		95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l		95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l		98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l	#	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l		96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l		100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l		99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l		99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l		99
30) Chloroform	7.421	83	26819	5.662	ug/l		95
31) Cyclohexane	7.707	56	25394	6.117	ug/l	#	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l		97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l		99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l	#	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l		95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l		97
40) Benzene	8.079	78	56287	5.427	ug/l		92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.268	41	12369	14.252	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l		98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l		97
44) Trichloroethene	8.866	130	14453	5.470	ug/l		98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l		99
46) Dibromomethane	9.231	93	7882	5.571	ug/l		97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l		92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l		96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l		97
52) Toluene	10.176	92	32954	5.093	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l		94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l		93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l		98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l		92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l		99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l		100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l		93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l		97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l		98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l		97
69) o-Xylene	11.956	106	20041	4.786	ug/l		98
70) Styrene	11.975	104	32075	4.594	ug/l		99
71) Bromoform	12.133	173	7253	5.187	ug/l	#	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l		99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l		95
76) 1,2,3-Trichloropropane	12.554	75	13972	9.675	ug/l	#	100
77) Bromobenzene	12.536	156	13783	5.305	ug/l		97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l		100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l		88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l		100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l		99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l		100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l		94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l		96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l		97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l		96
95) Naphthalene	15.151	128	16796	4.194	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

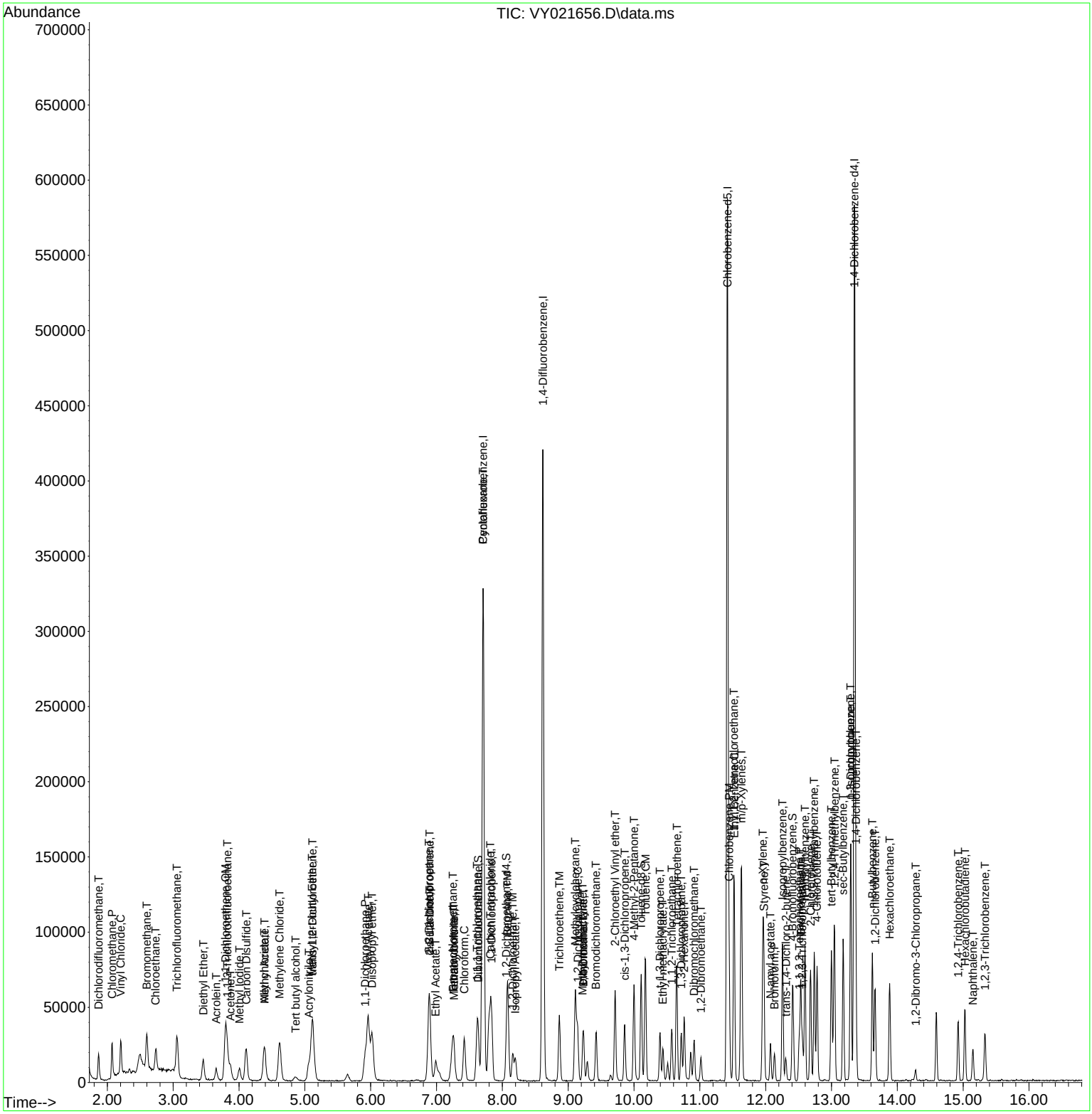
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

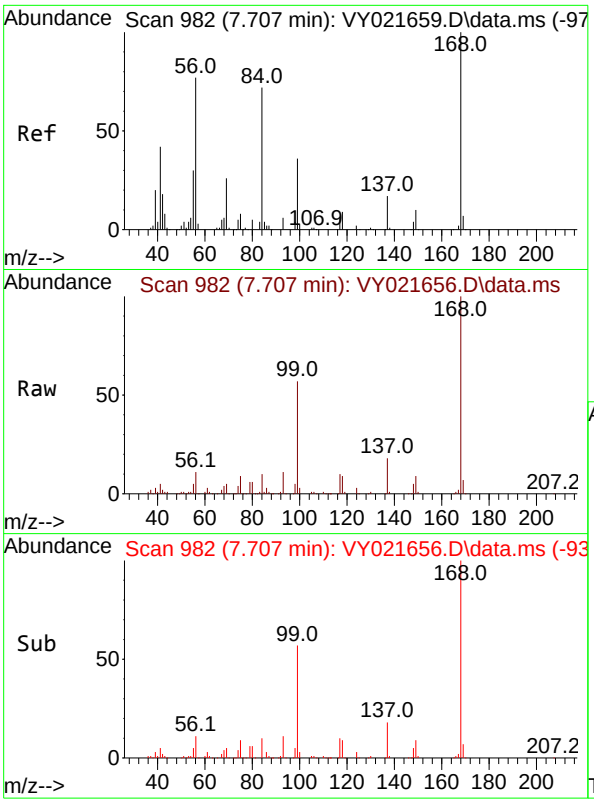
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration



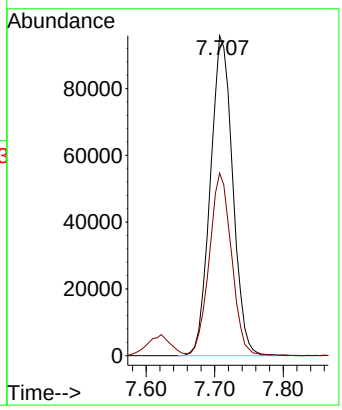


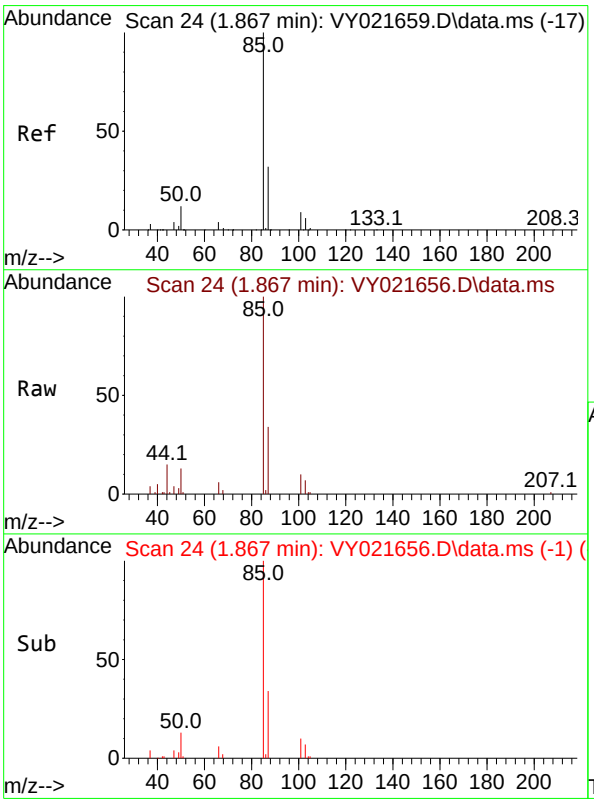
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 217101

Ion	Ratio	Lower	Upper
168	100		
99	56.8	46.7	70.1

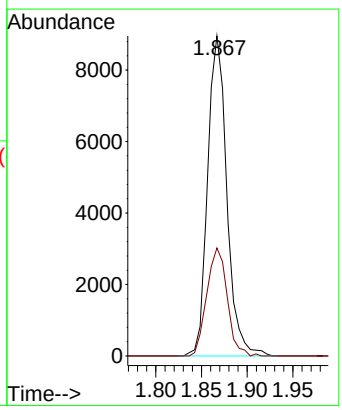


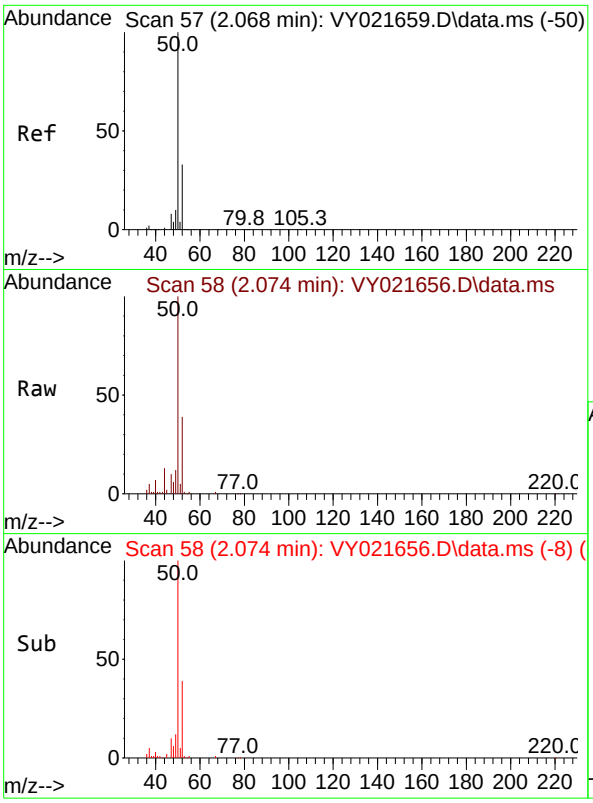


#2
Dichlorodifluoromethane
Concen: 5.806 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 85 Resp: 13065

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.2	48.6



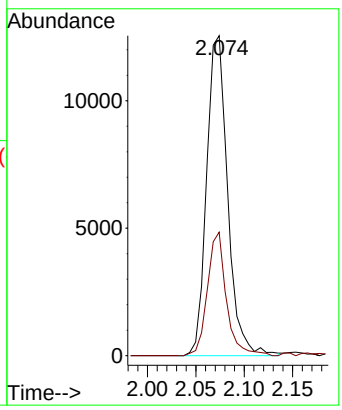


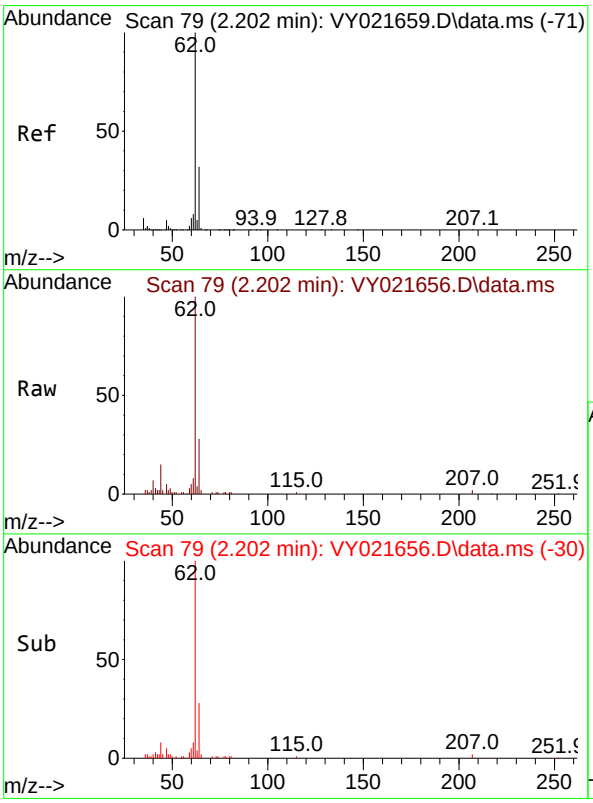
#3
Chloromethane
Concen: 6.010 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 19017

Ion	Ratio	Lower	Upper
50	100		
52	38.6	26.3	39.5

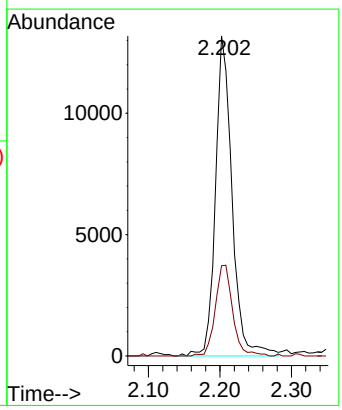


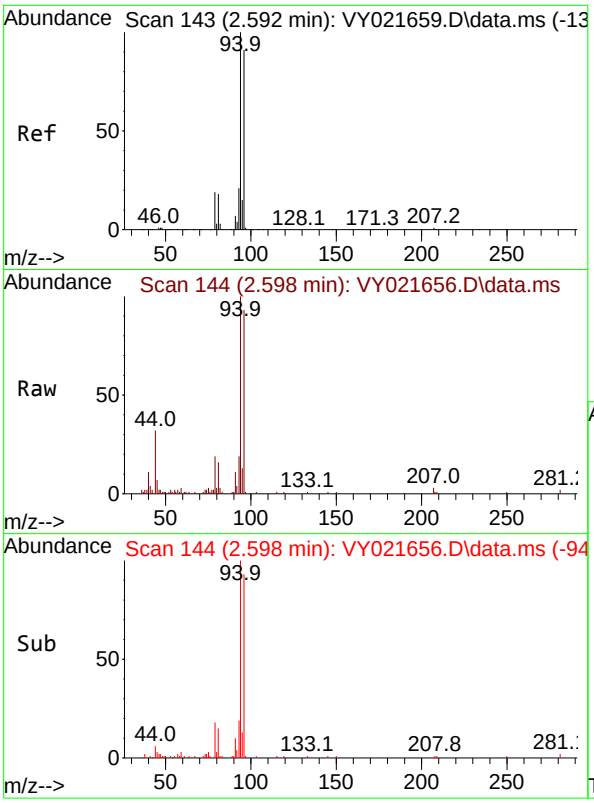


#4
Vinyl Chloride
Concen: 5.928 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 21214

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.5	38.3



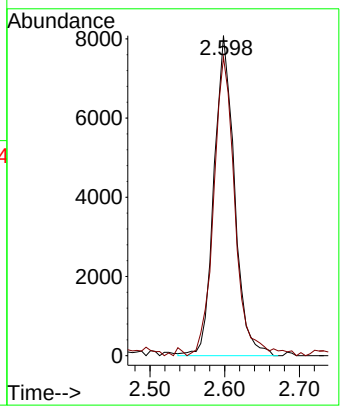


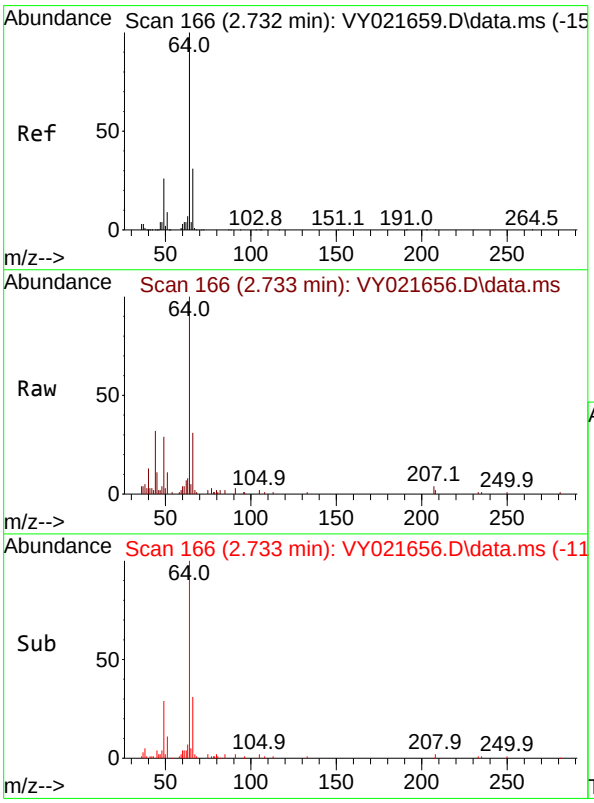
#5
Bromomethane
Concen: 6.308 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 15395

Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.8	109.2

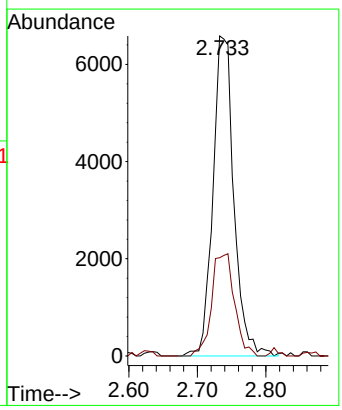


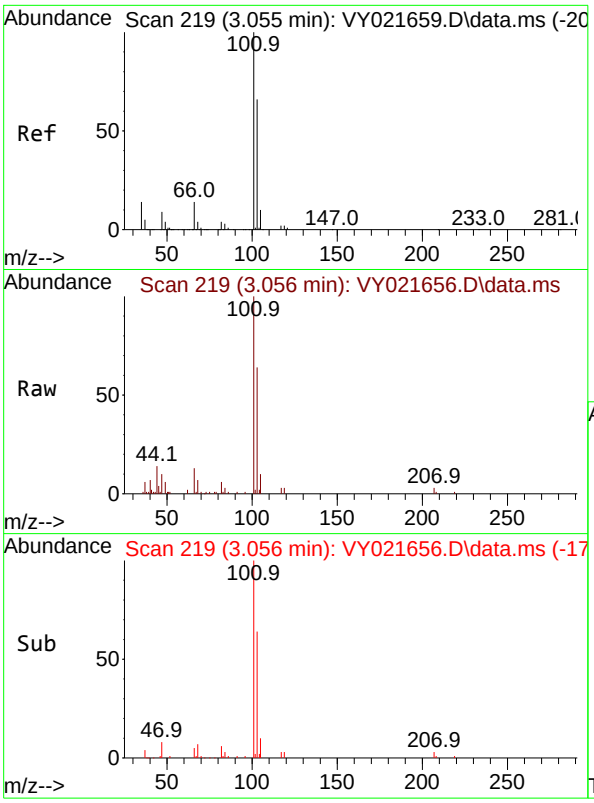


#6
Chloroethane
Concen: 5.969 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 64 Resp: 13977

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.9	37.3



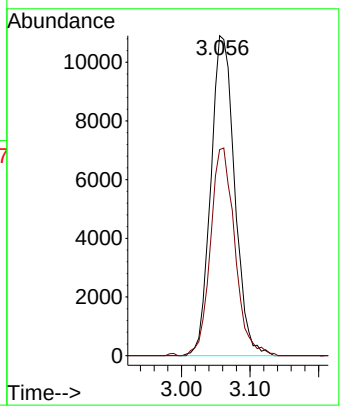


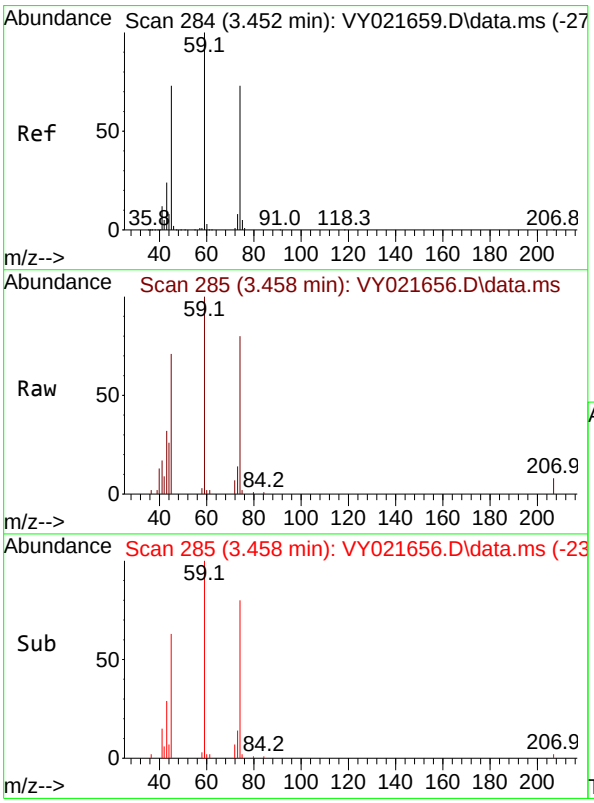
#7
Trichlorofluoromethane
Concen: 5.740 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 26311

Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.1	79.7

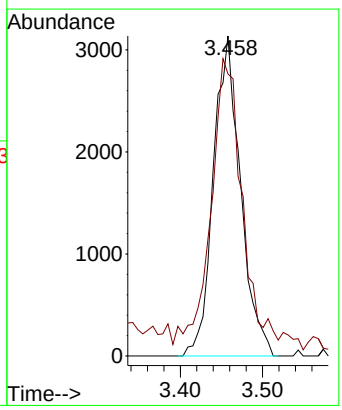


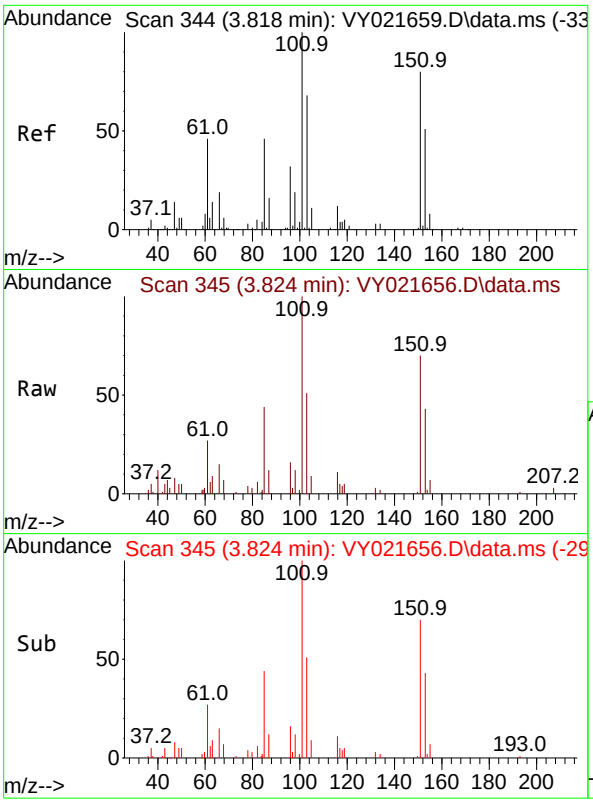


#8
Diethyl Ether
Concen: 5.786 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 74 Resp: 7213

Ion	Ratio	Lower	Upper
74	100		
45	99.4	48.6	145.8



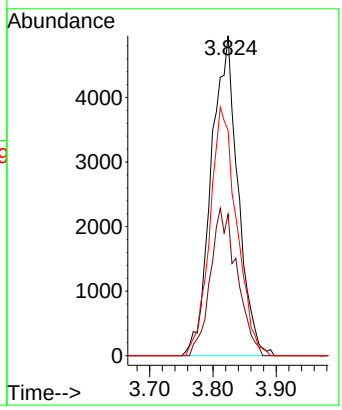


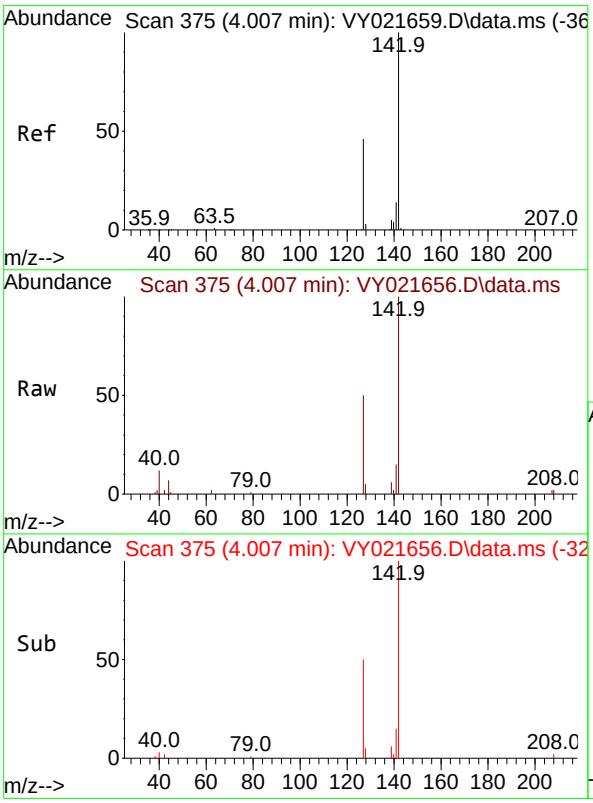
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.995 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 14493

Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.3	54.5
151	78.3	61.3	91.9

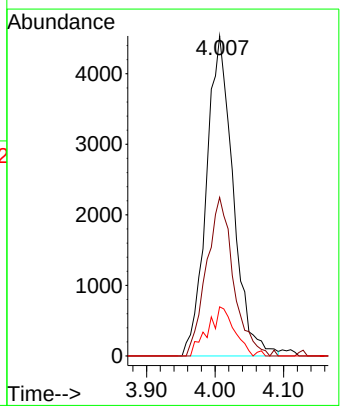


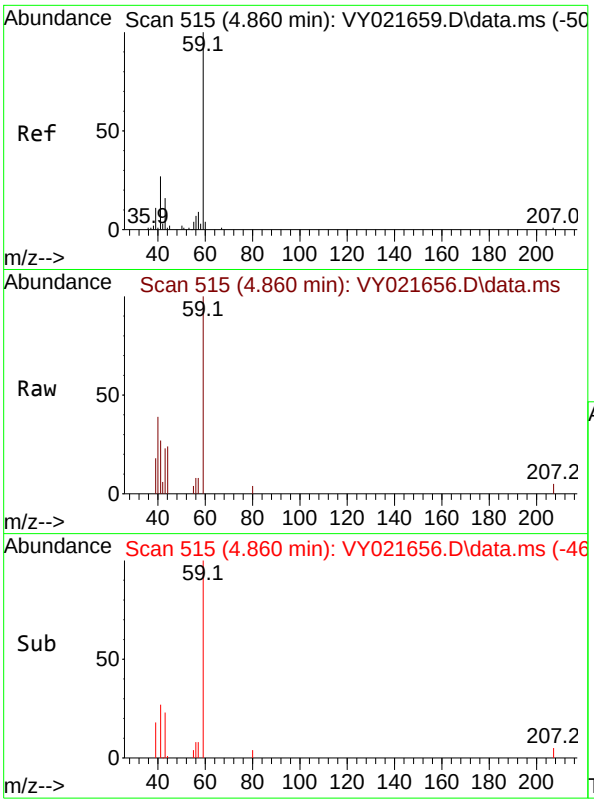


#10
Methyl Iodide
Concen: 4.642 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:142 Resp: 12311

Ion	Ratio	Lower	Upper
142	100		
127	50.2	38.7	58.1
141	15.0	11.5	17.3



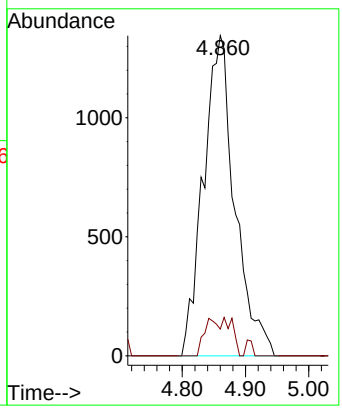


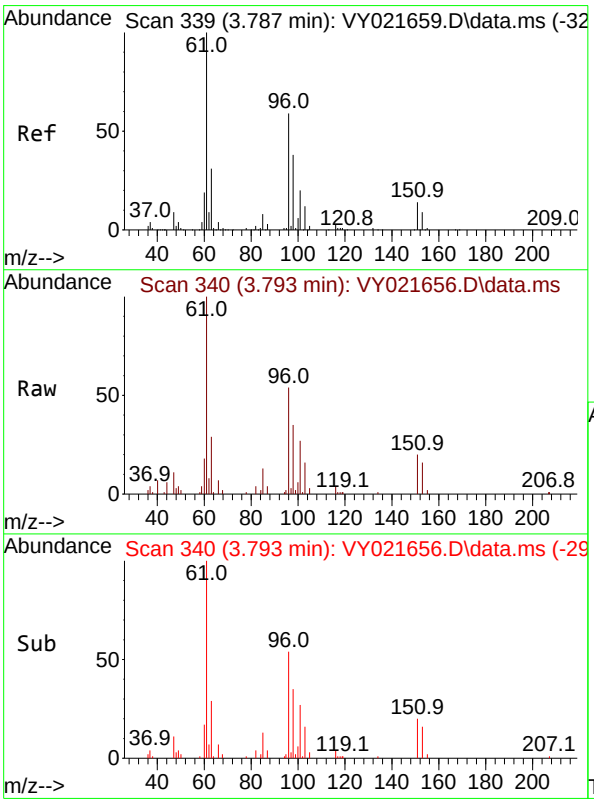
#11
Tert butyl alcohol
Concen: 30.344 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 4636

Ion	Ratio	Lower	Upper
59	100		
57	5.7	9.2	13.8#

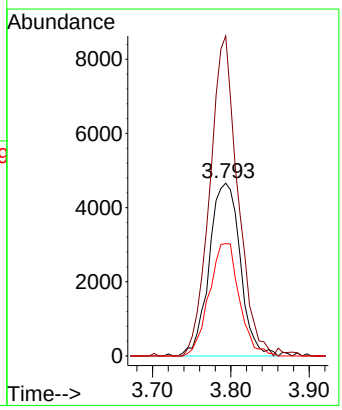


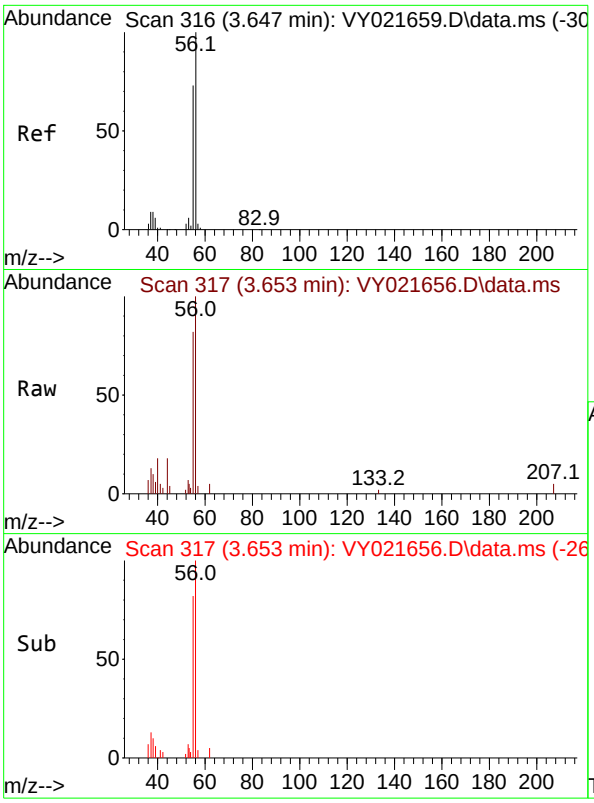


#12
1,1-Dichloroethene
Concen: 5.611 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 96 Resp: 12778

Ion	Ratio	Lower	Upper
96	100		
61	185.1	136.6	204.8
98	65.0	52.3	78.5



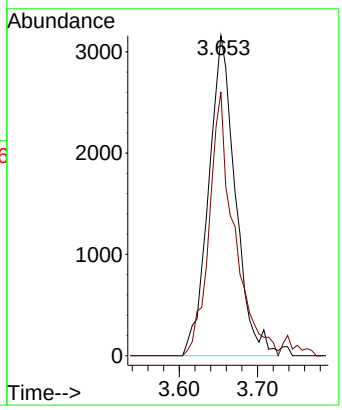


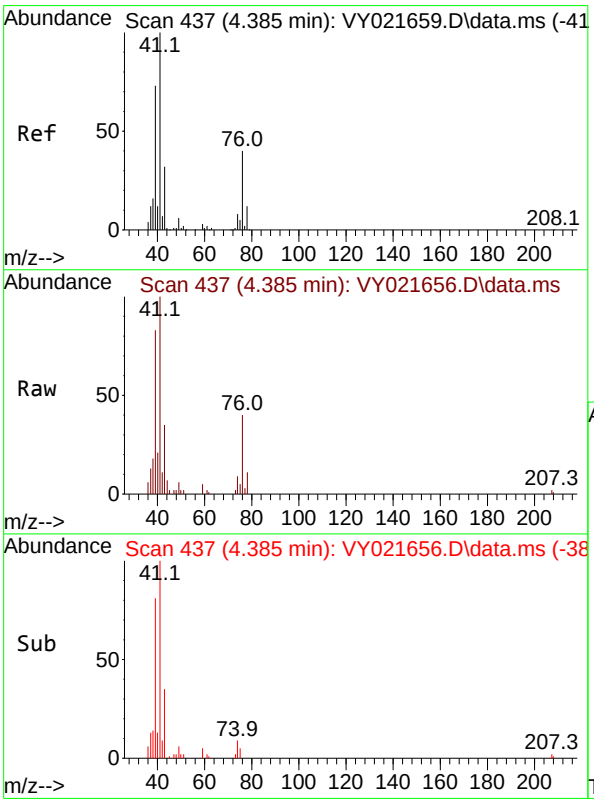
#13
Acrolein
Concen: 26.881 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7499

Ion	Ratio	Lower	Upper
56	100		
55	76.7	56.6	85.0

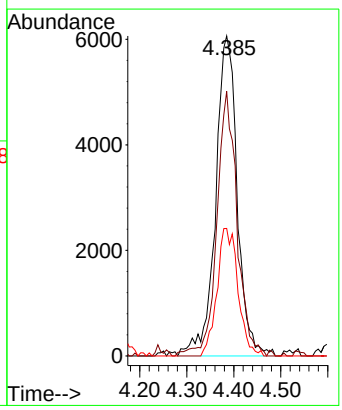


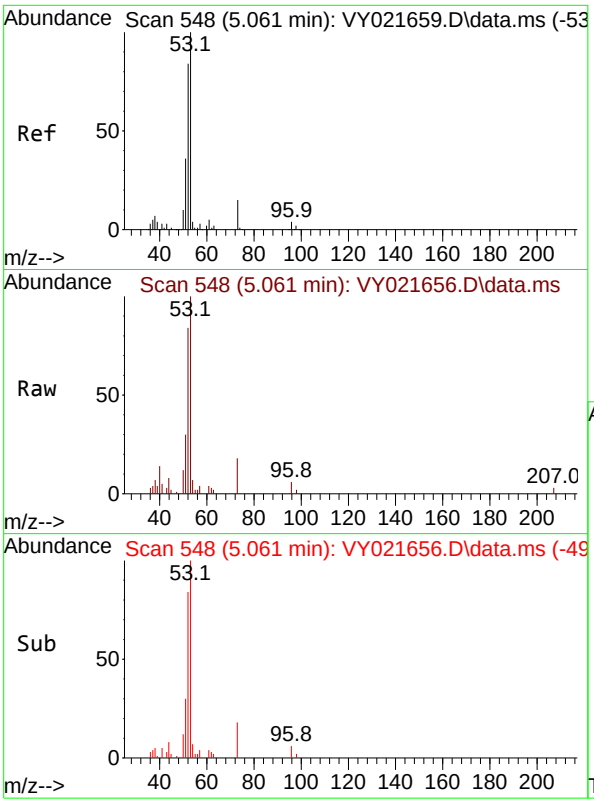


#14
Allyl chloride
Concen: 5.362 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 19469

Ion	Ratio	Lower	Upper
41	100		
39	76.8	58.6	88.0
76	38.6	30.3	45.5



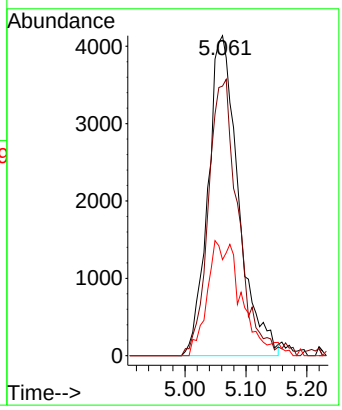


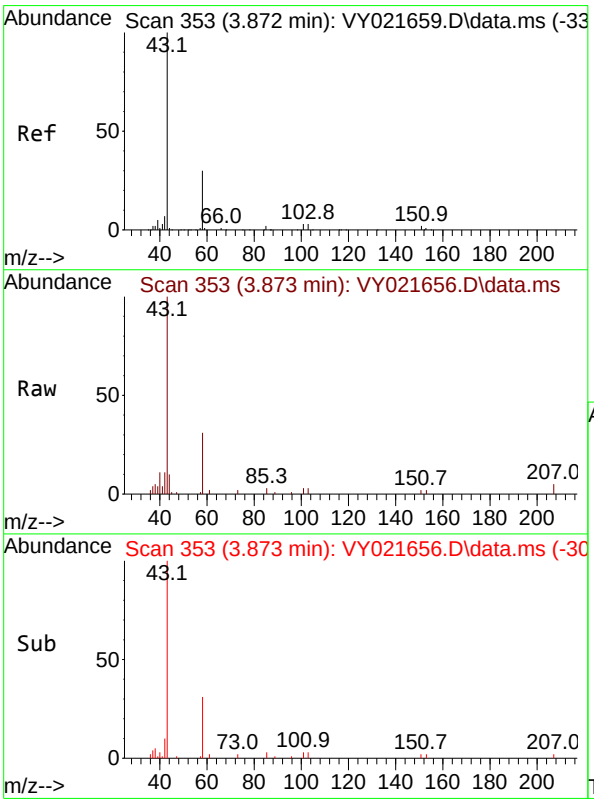
#15
Acrylonitrile
Concen: 27.546 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 14337

Ion	Ratio	Lower	Upper
53	100		
52	84.3	64.9	97.3
51	18.9	30.2	45.2#

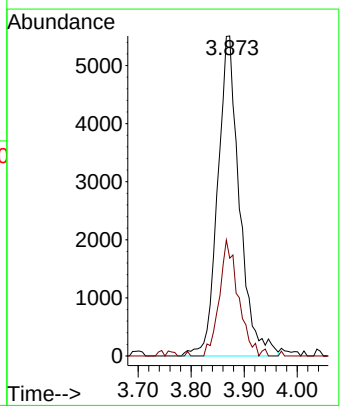


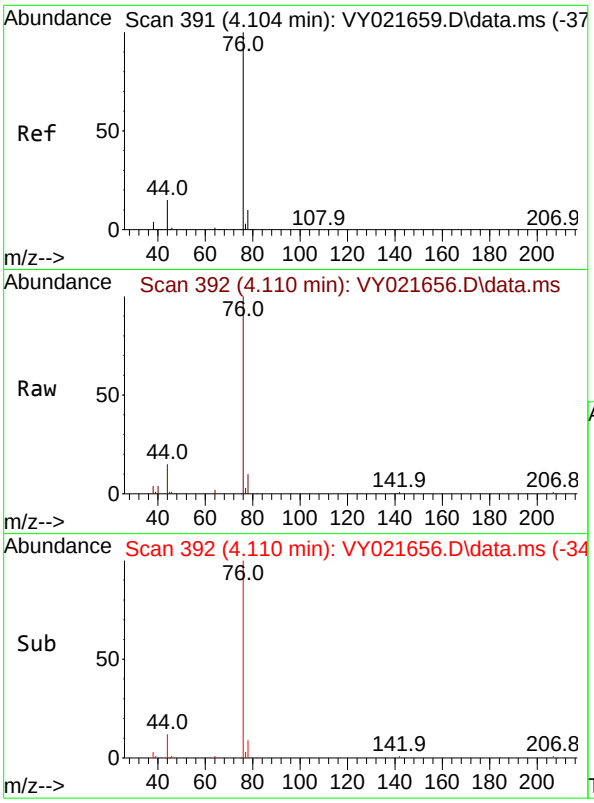


#16
Acetone
Concen: 32.687 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 15736

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



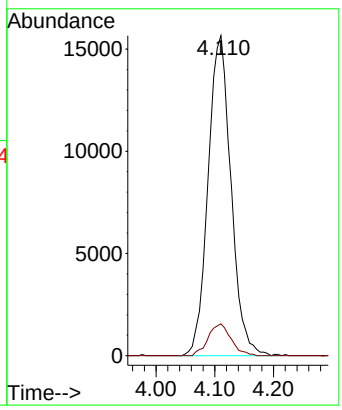


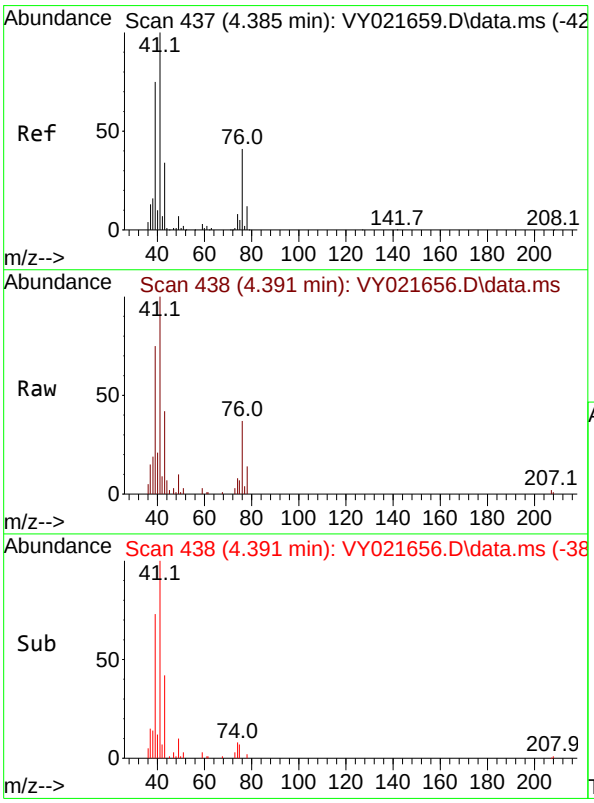
#17
Carbon Disulfide
Concen: 5.662 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 42467

Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.6	11.4

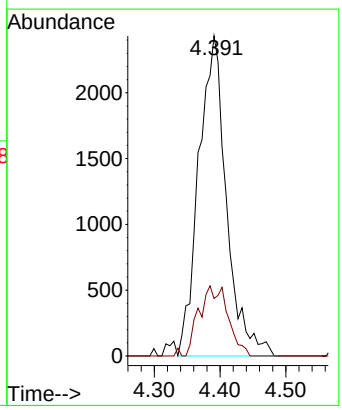


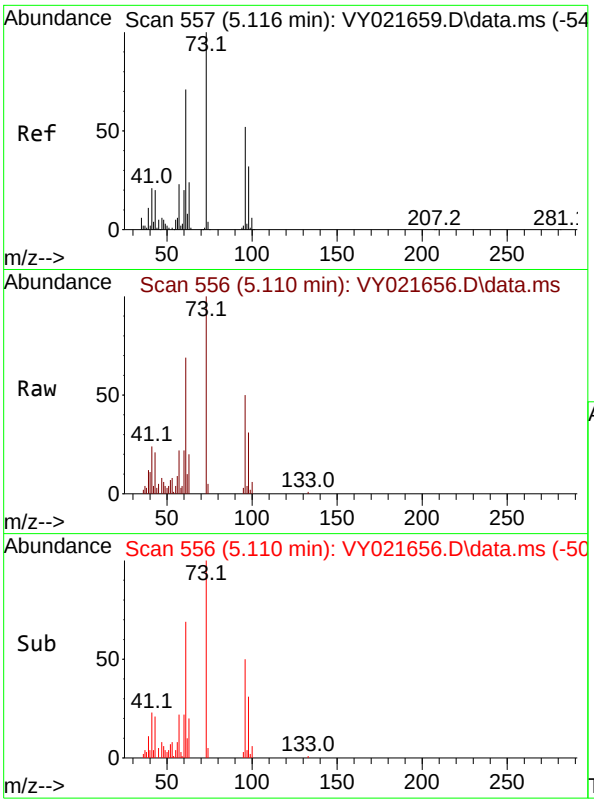


#18
Methyl Acetate
Concen: 5.985 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 7141

Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.1	28.7



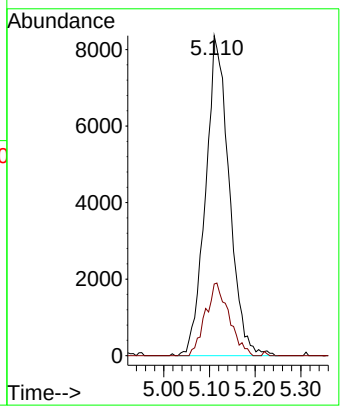


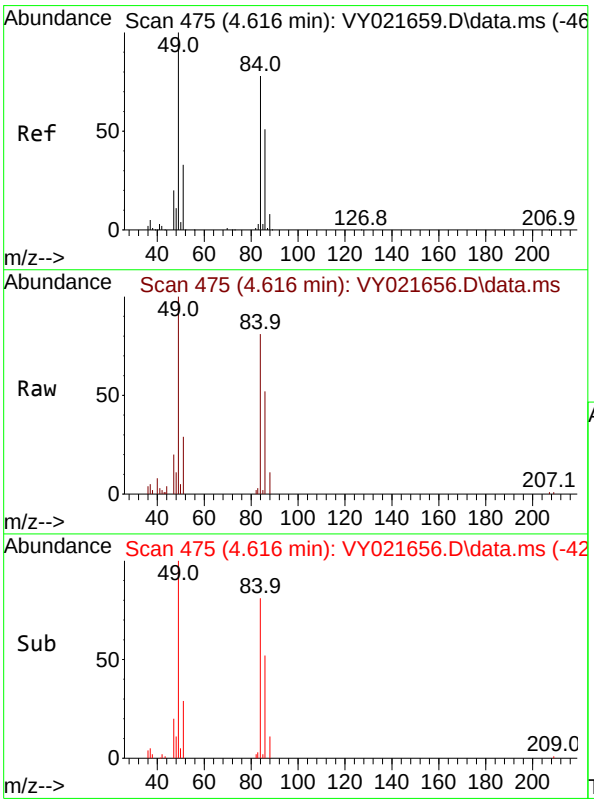
#19
Methyl tert-butyl Ether
Concen: 5.286 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 29969

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1

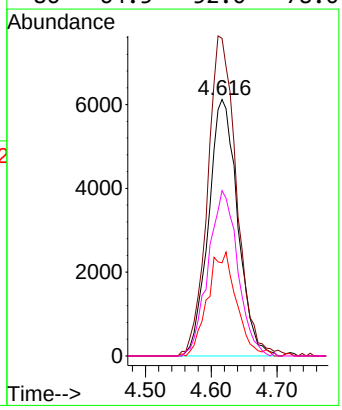


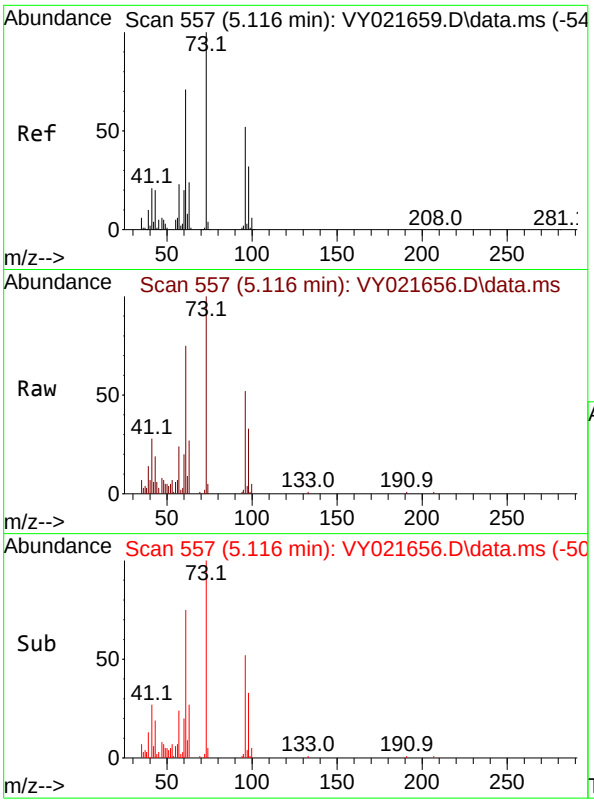


#20
Methylene Chloride
Concen: 4.497 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 84 Resp: 18885

Ion	Ratio	Lower	Upper
84	100		
49	123.8	102.8	154.2
51	36.3	33.5	50.3
86	64.5	52.0	78.0



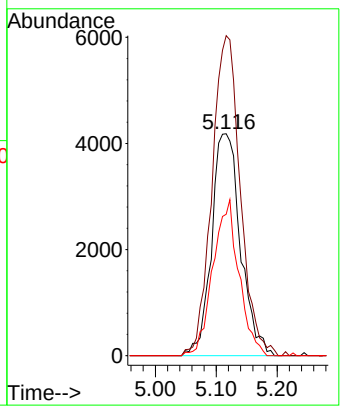


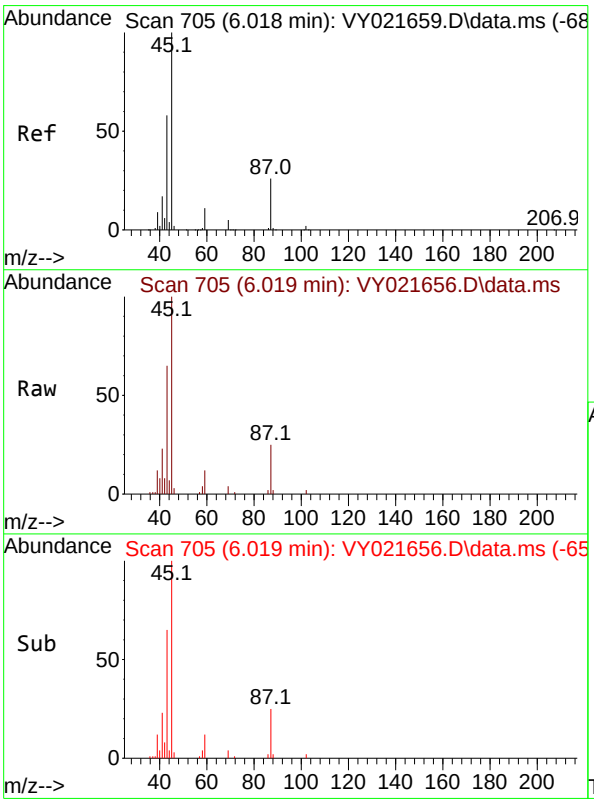
#21
trans-1,2-Dichloroethene
Concen: 5.489 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 13763

Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.4	164.0
98	63.7	50.2	75.2

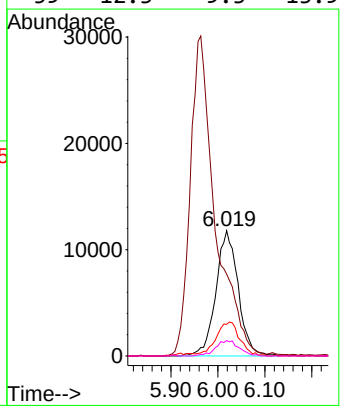


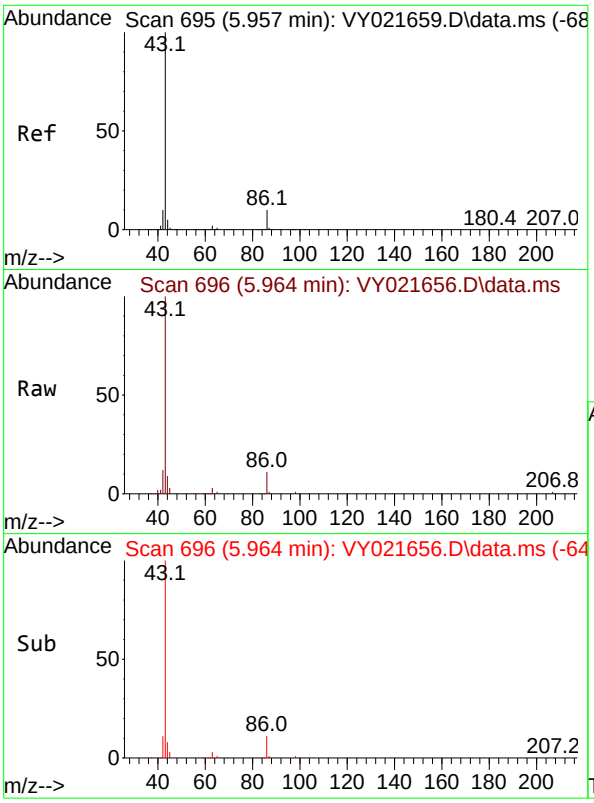


#22
Diisopropyl ether
Concen: 5.118 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 45 Resp: 38980

Ion	Ratio	Lower	Upper
45	100		
43	64.0	46.6	69.8
87	25.2	20.7	31.1
59	12.3	9.3	13.9



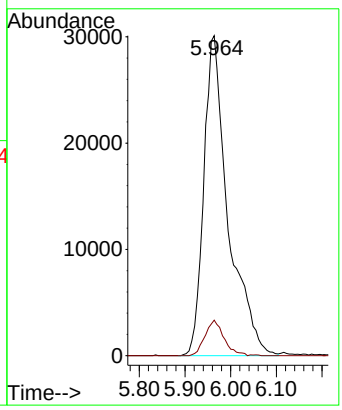


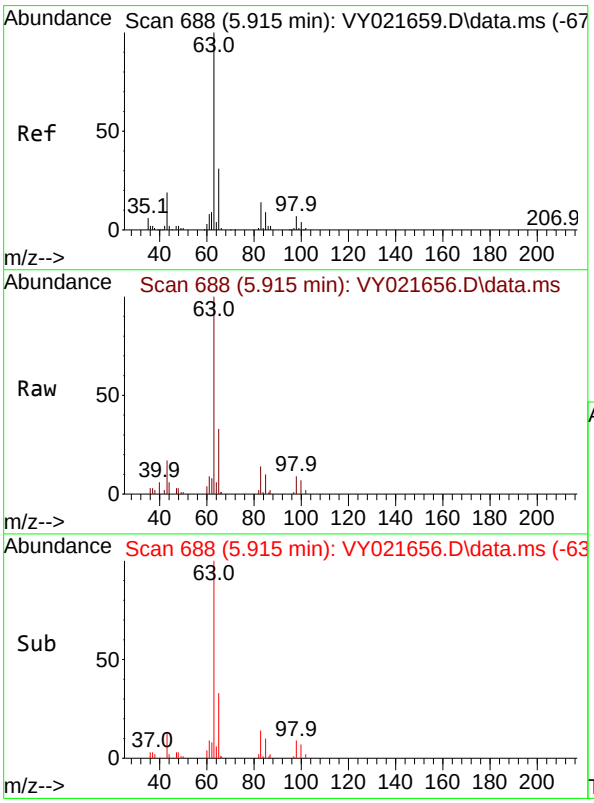
#23
Vinyl Acetate
Concen: 24.992 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 111357

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.2	12.2

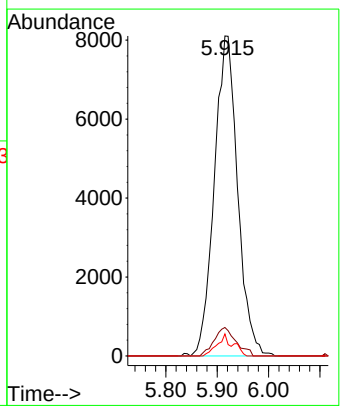


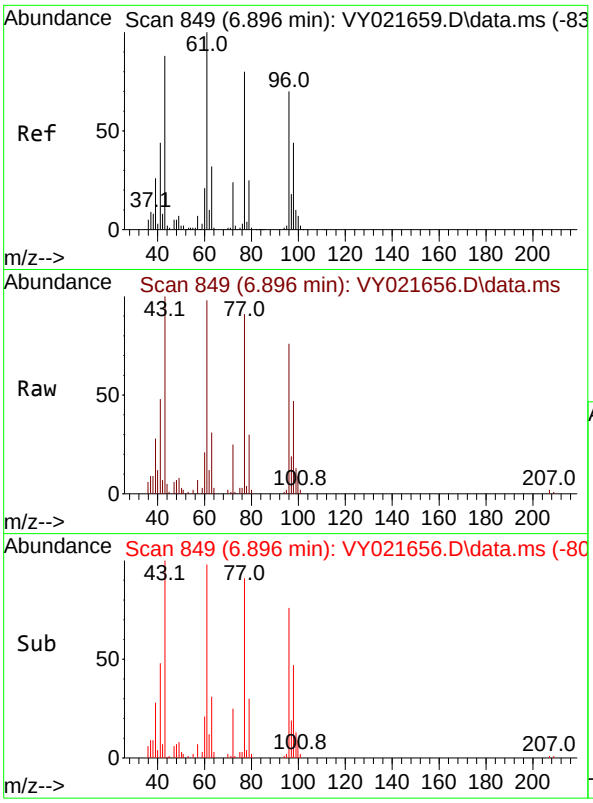


#24
1,1-Dichloroethane
Concen: 5.616 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 25578

Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.5	10.5
100	6.9	2.2	6.6#



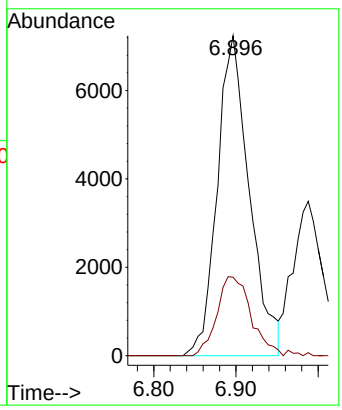


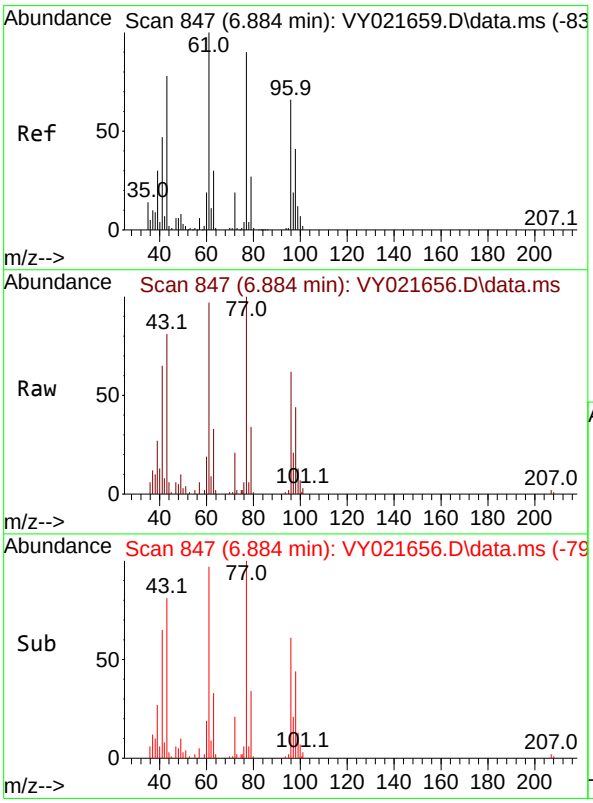
#25
2-Butanone
Concen: 28.598 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19664

Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.4	32.2

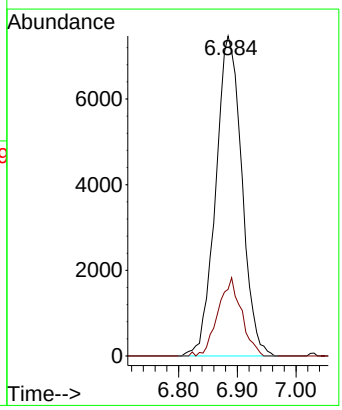


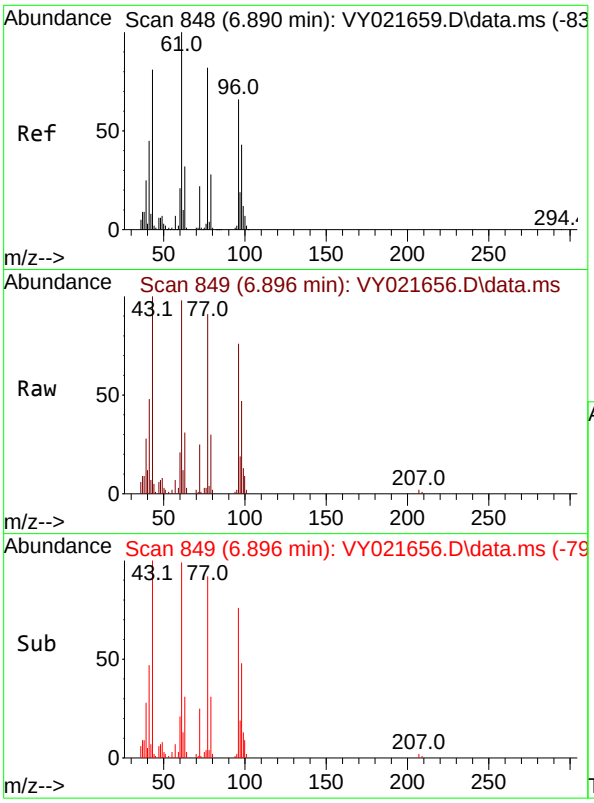


#26
2,2-Dichloropropane
Concen: 5.695 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 77 Resp: 23073

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.1	33.1



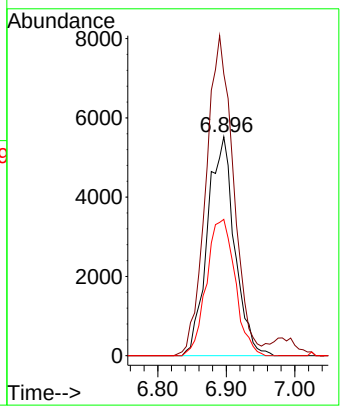


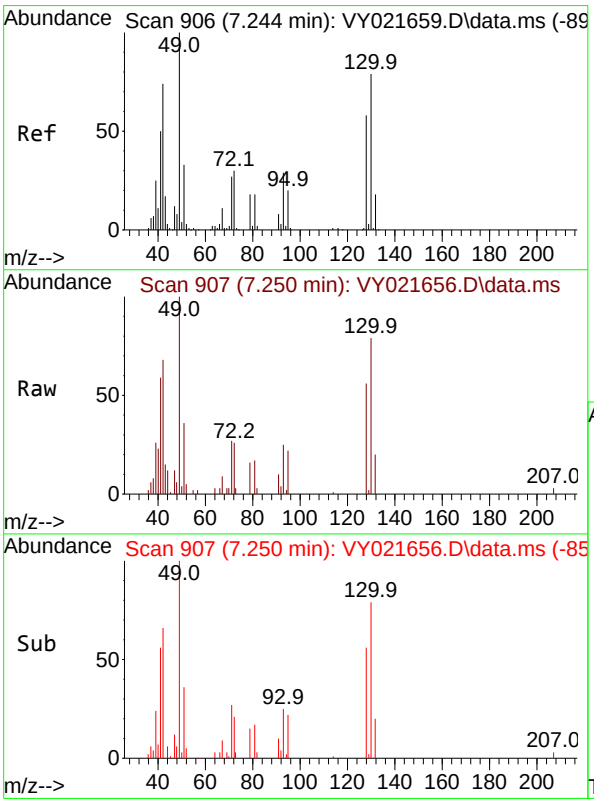
#27
cis-1,2-Dichloroethene
Concen: 5.390 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15197

Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	296.4
98	65.4	0.0	128.0

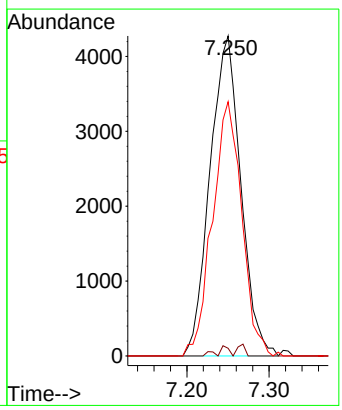


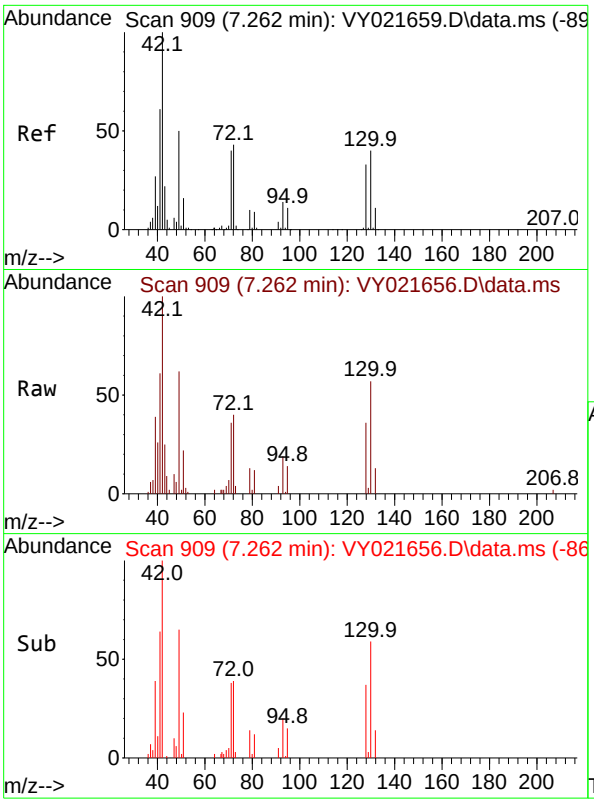


#28
Bromochloromethane
Concen: 5.799 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 49 Resp: 11139

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	75.8	60.1	90.1



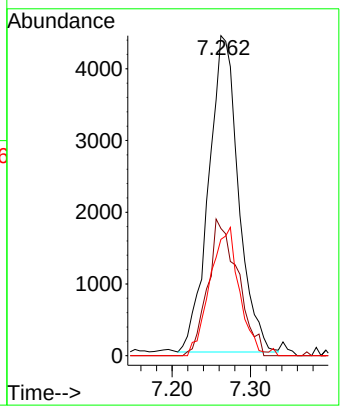


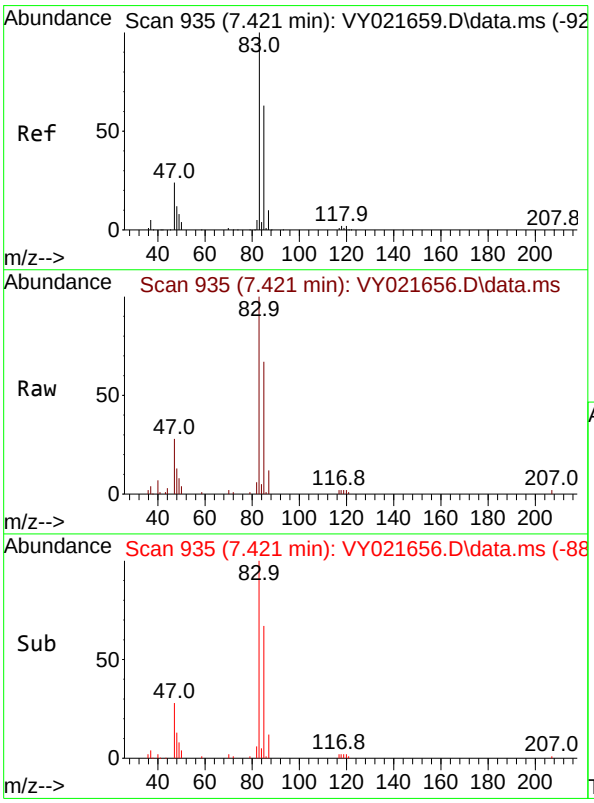
#29
Tetrahydrofuran
Concen: 26.430 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 11696

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	39.9	32.5	48.7

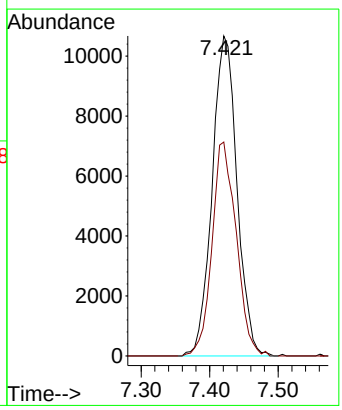


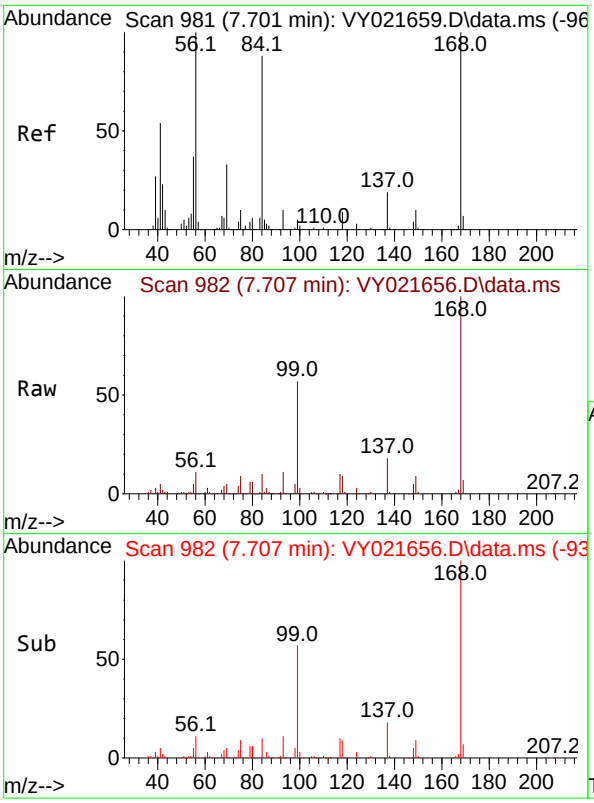


#30
Chloroform
Concen: 5.662 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 83 Resp: 26819

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.6	75.8



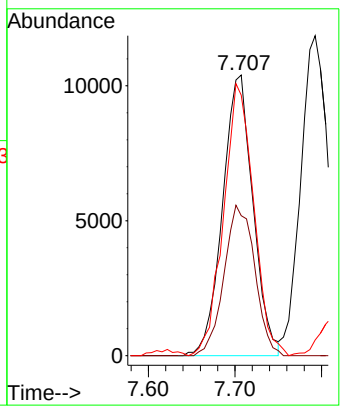


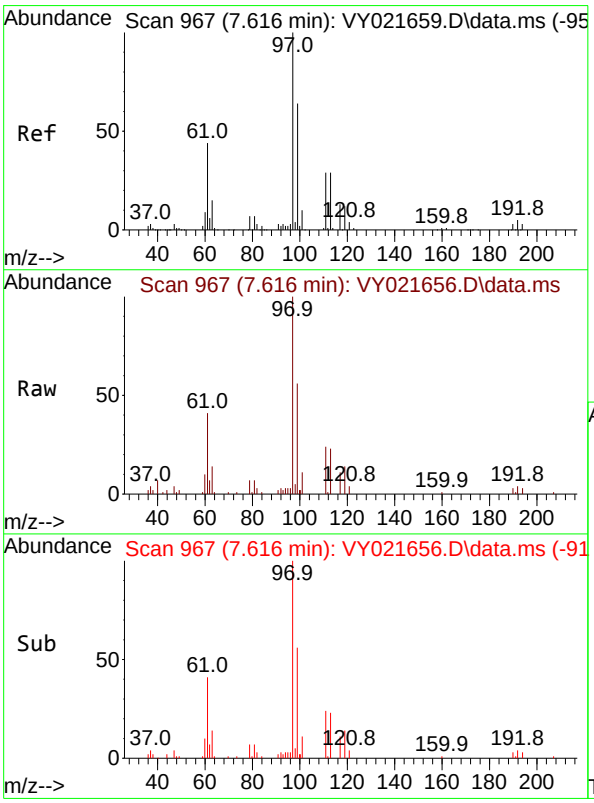
#31
Cyclohexane
Concen: 6.117 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 25394

Ion	Ratio	Lower	Upper
56	100		
69	49.9	26.6	40.0#
84	91.4	69.0	103.4

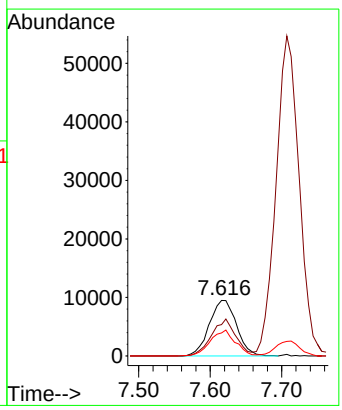


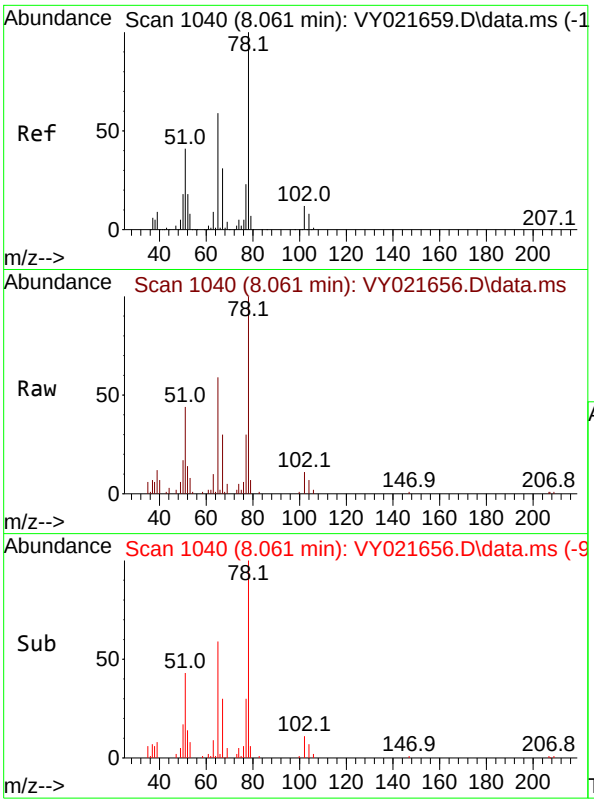


#32
1,1,1-Trichloroethane
Concen: 5.856 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 97 Resp: 25069

Ion	Ratio	Lower	Upper
97	100		
99	59.7	50.7	76.1
61	43.2	35.2	52.8



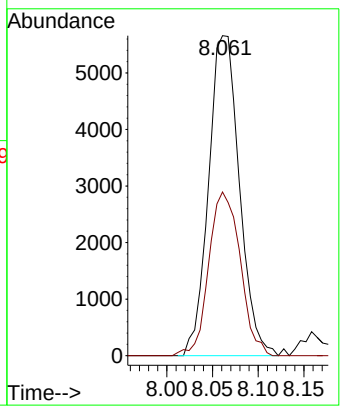


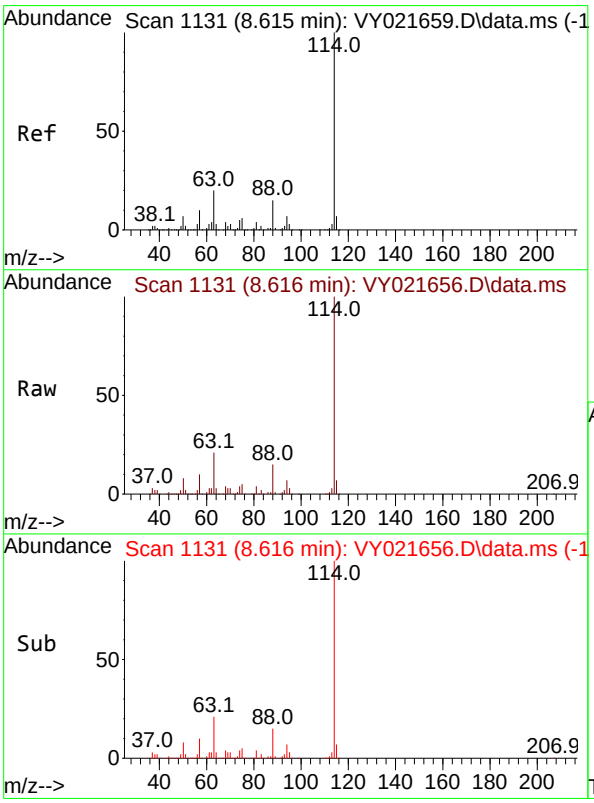
#33
1,2-Dichloroethane-d4
Concen: 5.650 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13289

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6

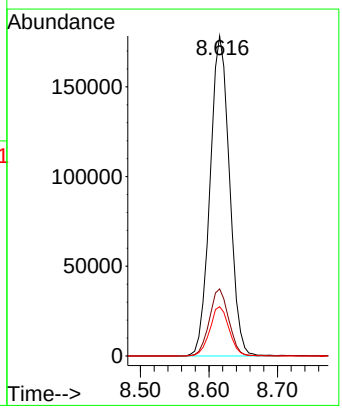


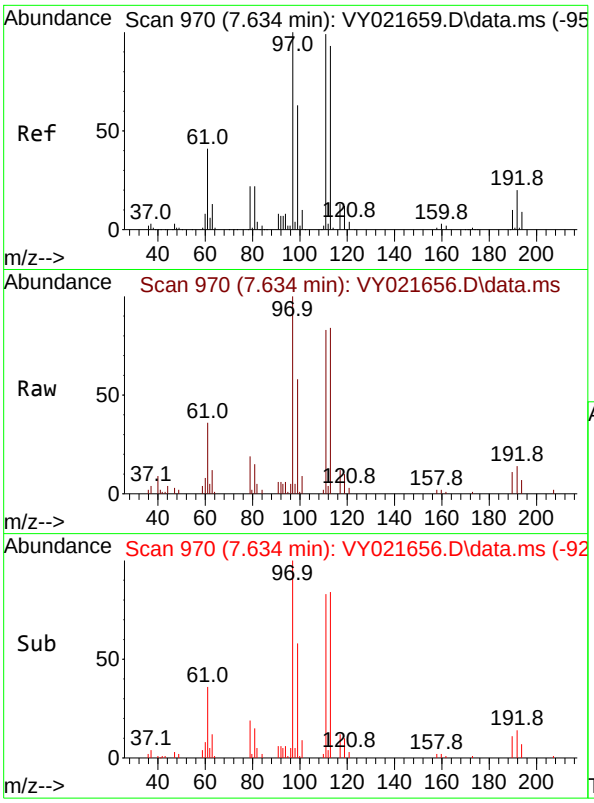


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:114 Resp: 350486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.2
88	15.4	0.0	29.8



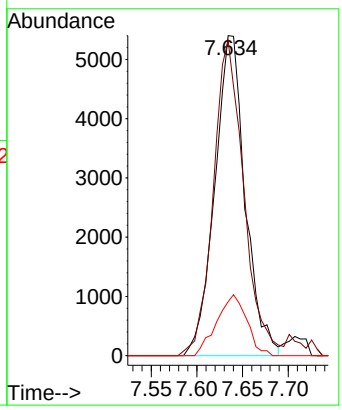


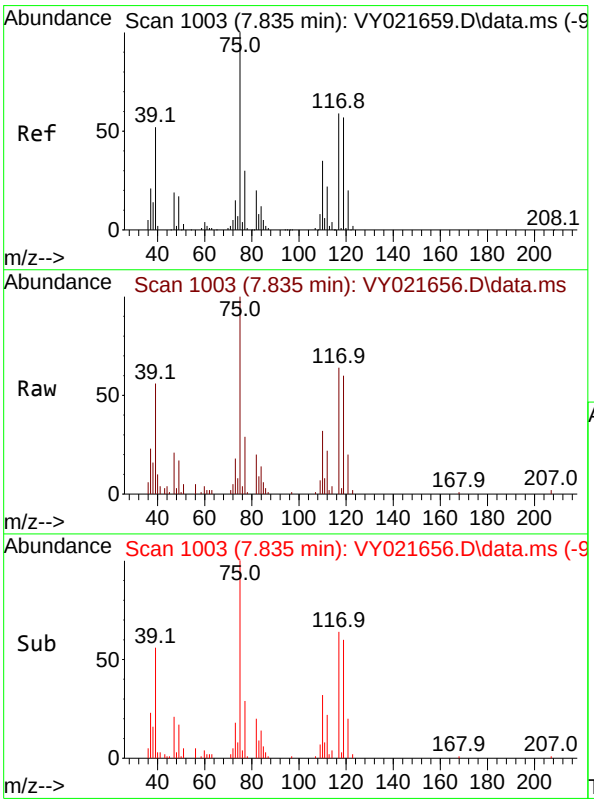
#35
Dibromofluoromethane
Concen: 5.506 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12519

Ion	Ratio	Lower	Upper
113	100		
111	98.5	82.6	123.8
192	18.8	16.2	24.4

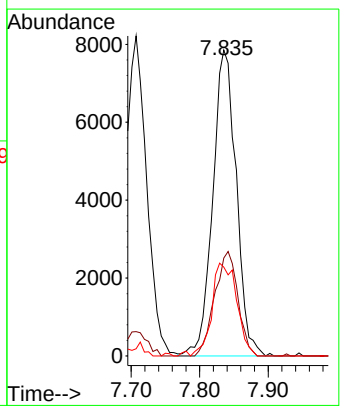


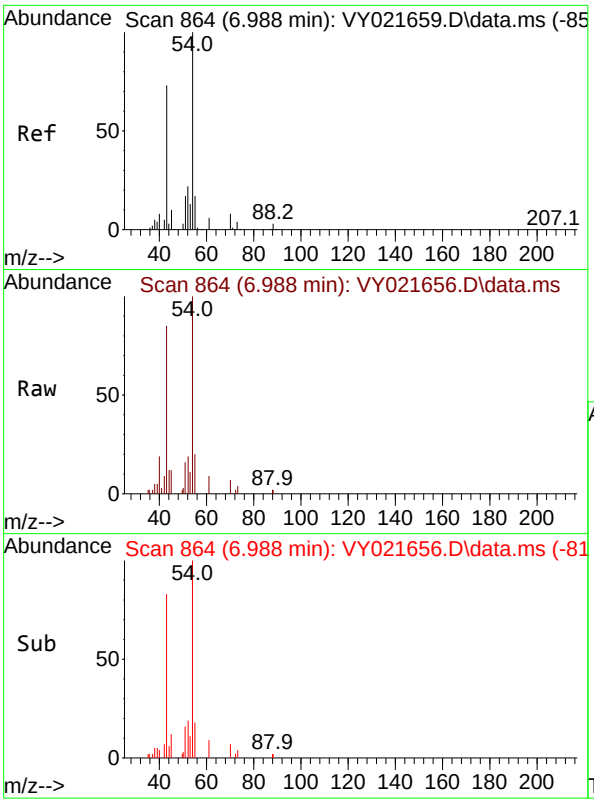


#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 18659

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.0	50.9
77	32.1	24.8	37.2



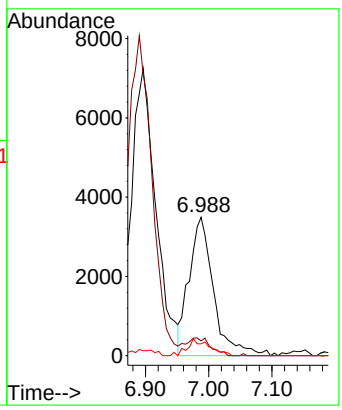


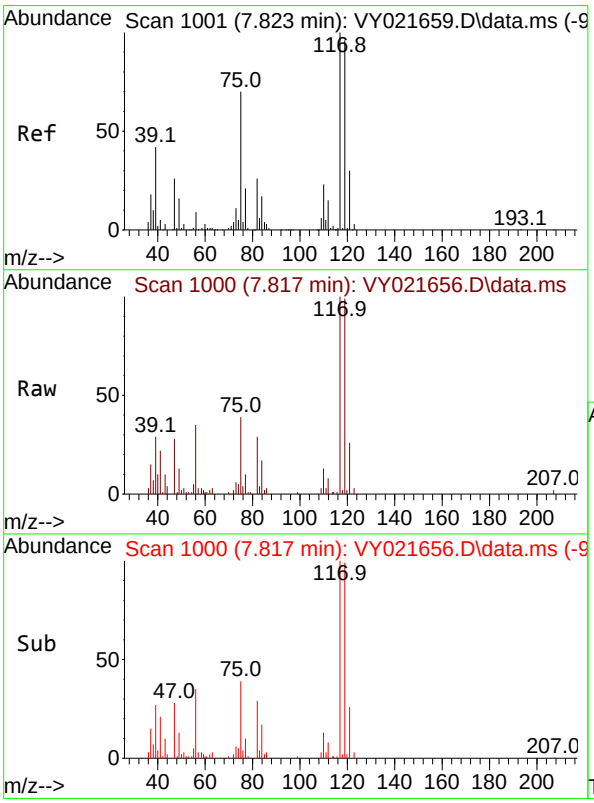
#37
Ethyl Acetate
Concen: 5.788 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 9459

Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.0	16.6#
70	10.8	8.1	12.1

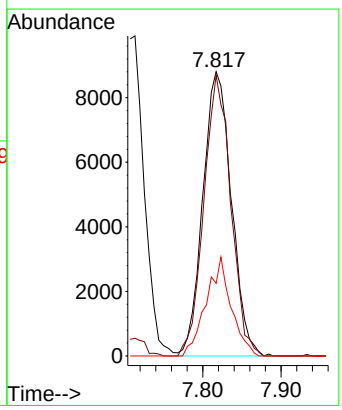


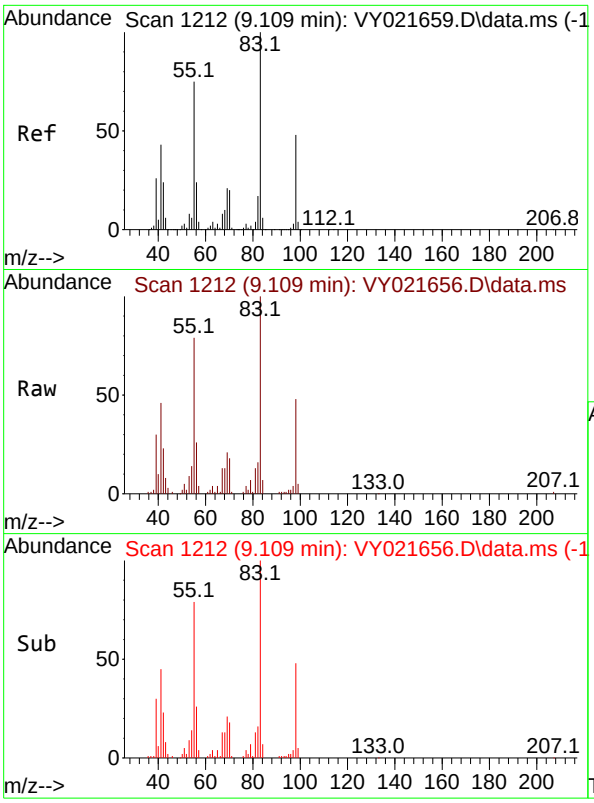


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:117 Resp: 22310

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.4
121	25.6	24.2	36.4



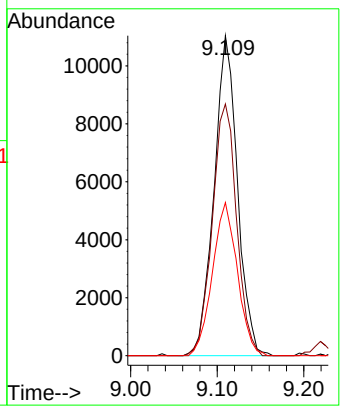


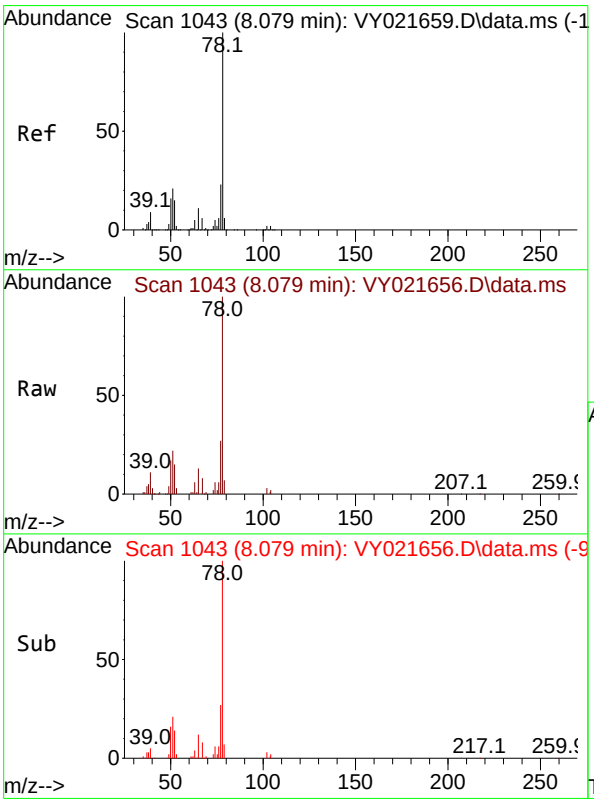
#39
Methylcyclohexane
Concen: 5.023 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20781

Ion	Ratio	Lower	Upper
83	100		
55	78.6	59.7	89.5
98	47.9	38.3	57.5

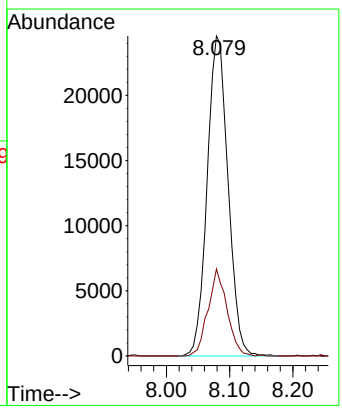


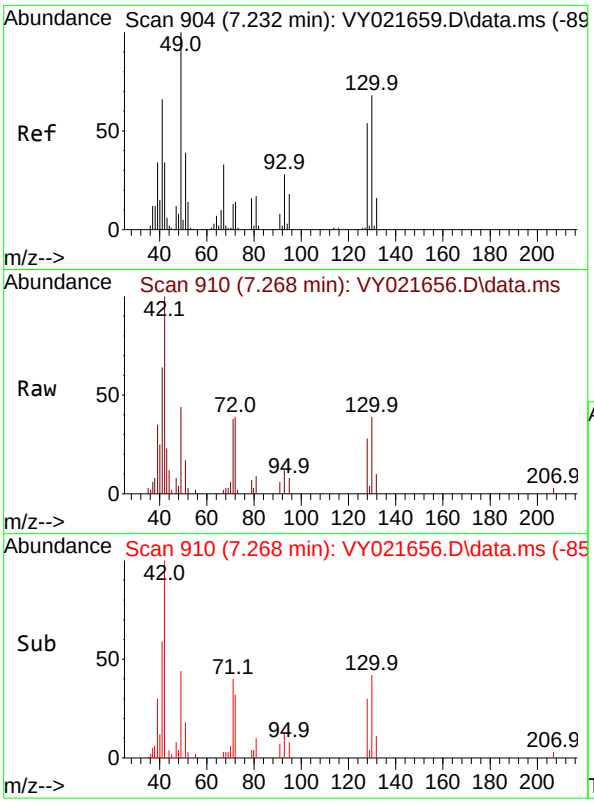


#40
Benzene
Concen: 5.427 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 78 Resp: 56287

Ion	Ratio	Lower	Upper
78	100		
77	27.2	18.8	28.2



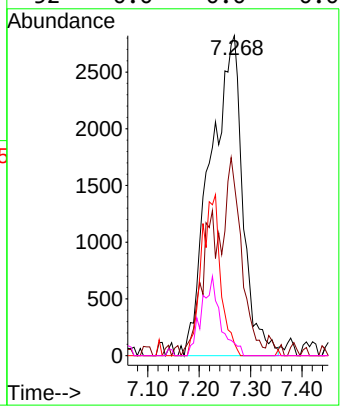


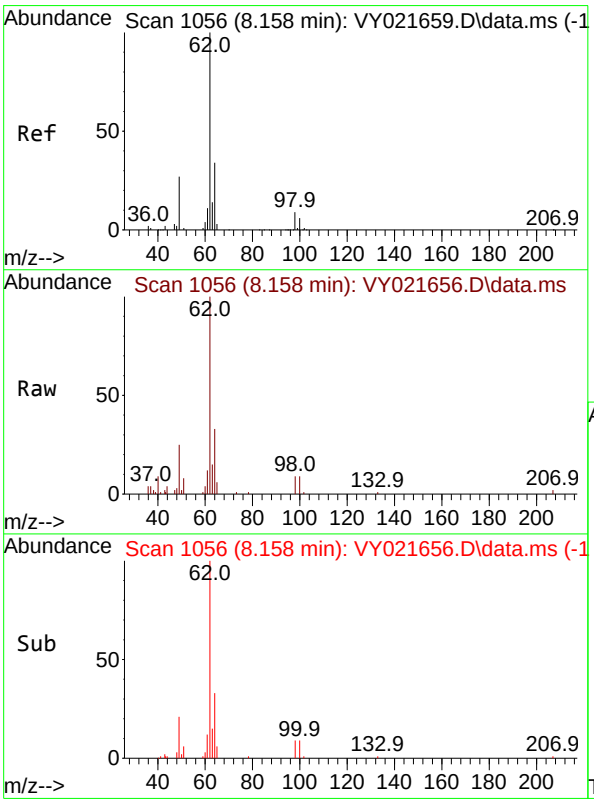
#41
Methacrylonitrile
Concen: 14.252 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 12369

Ion	Ratio	Lower	Upper
41	100		
39	29.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

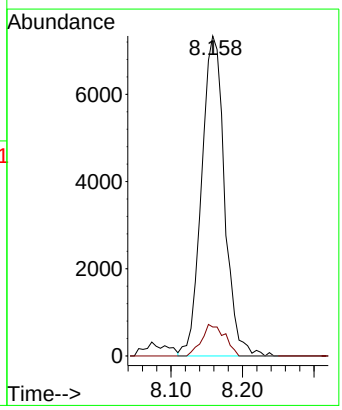


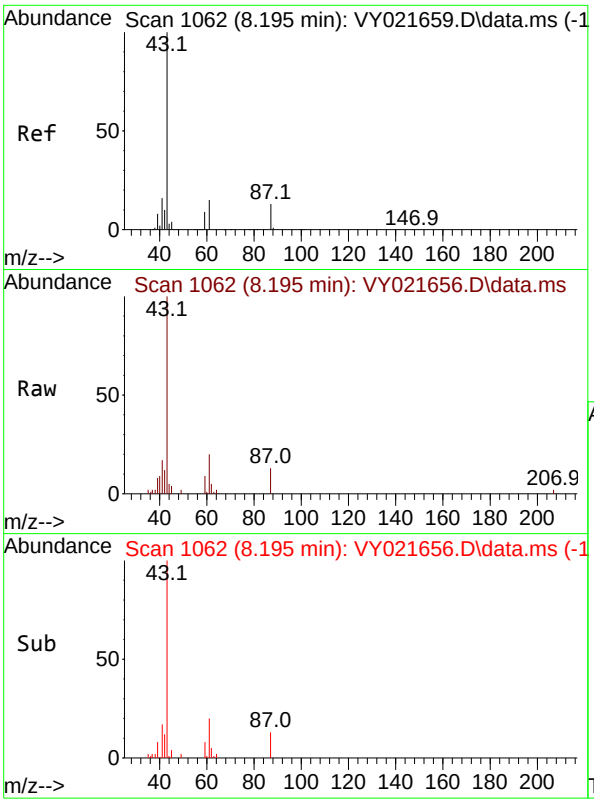


#42
1,2-Dichloroethane
Concen: 5.603 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 16381

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4



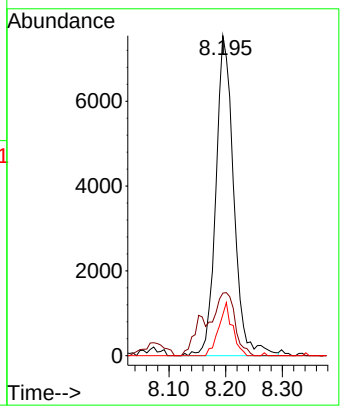


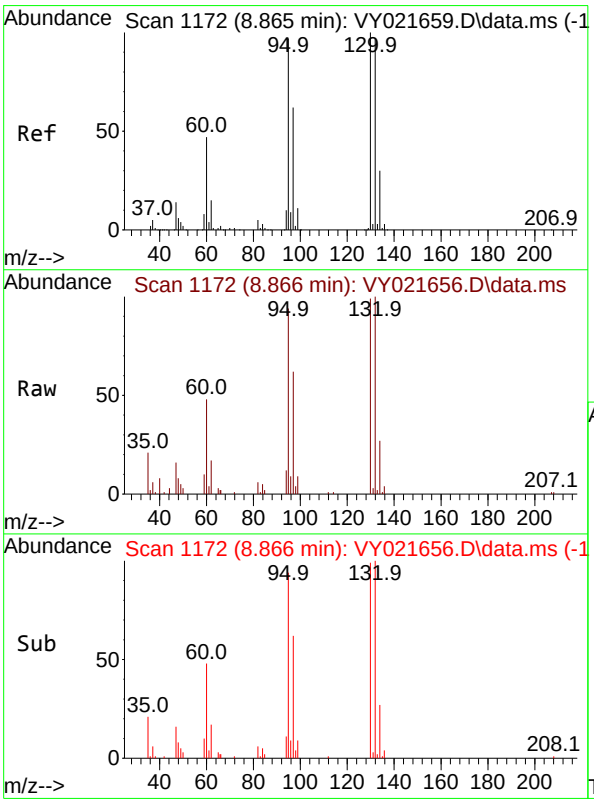
#43
Isopropyl Acetate
Concen: 5.329 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 16504

Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.9	23.9
87	12.8	10.4	15.6

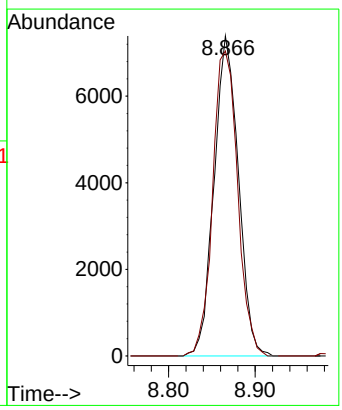


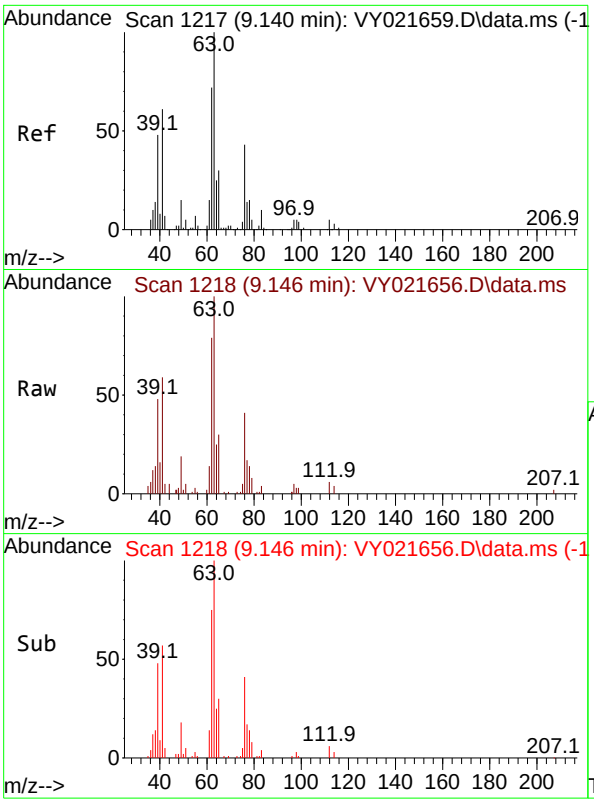


#44
Trichloroethene
Concen: 5.470 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:130 Resp: 14453

Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8



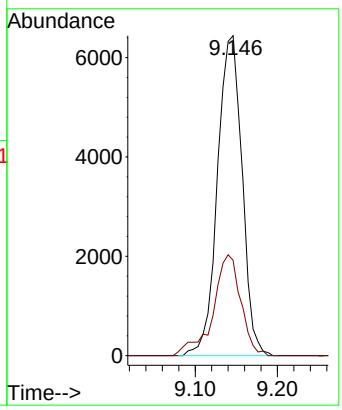


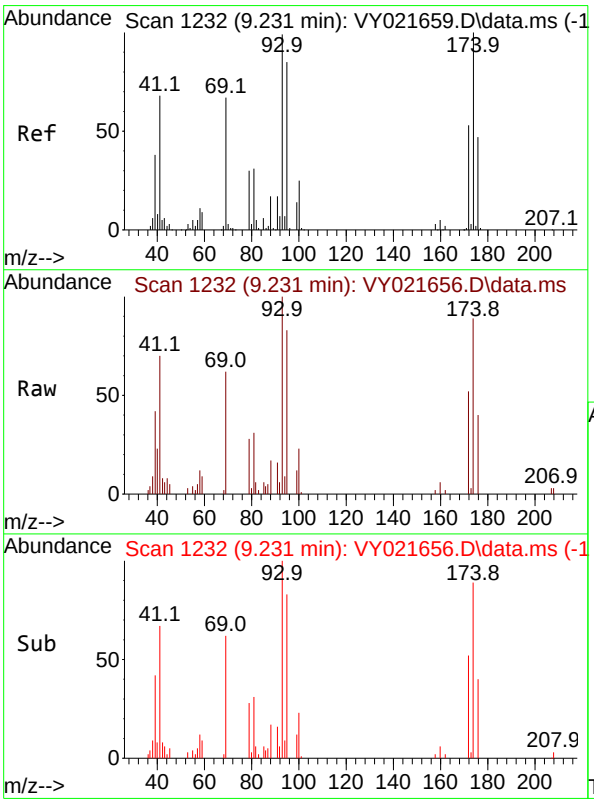
#45
1,2-Dichloropropane
Concen: 5.470 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 13429

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.4	36.6

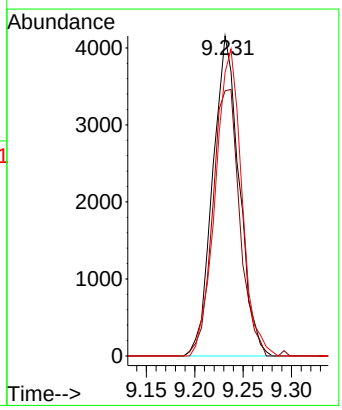


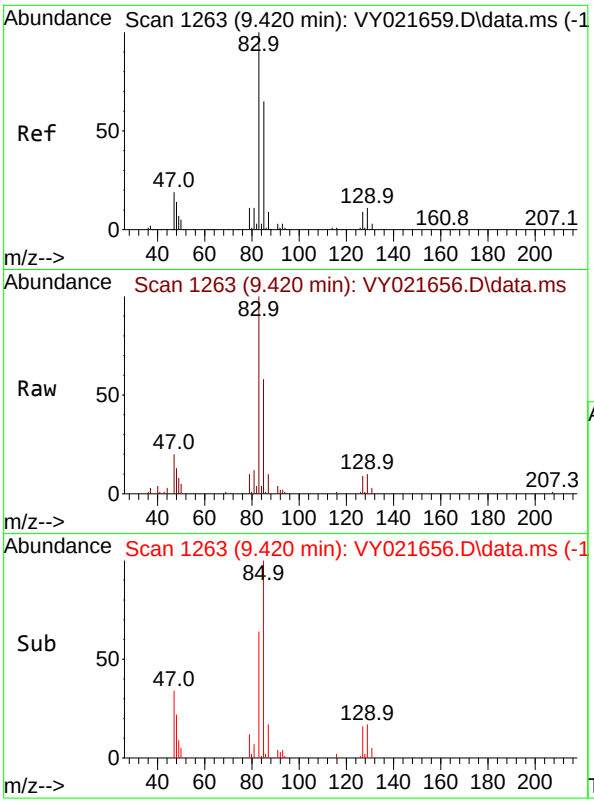


#46
Dibromomethane
Concen: 5.571 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 93 Resp: 7882

Ion	Ratio	Lower	Upper
93	100		
95	85.8	68.1	102.1
174	95.8	80.9	121.3



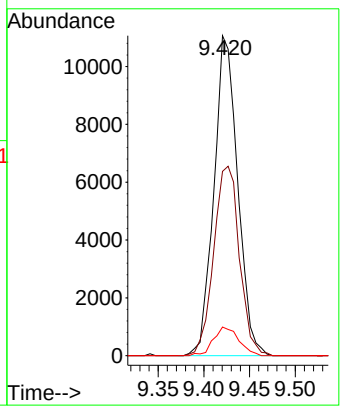


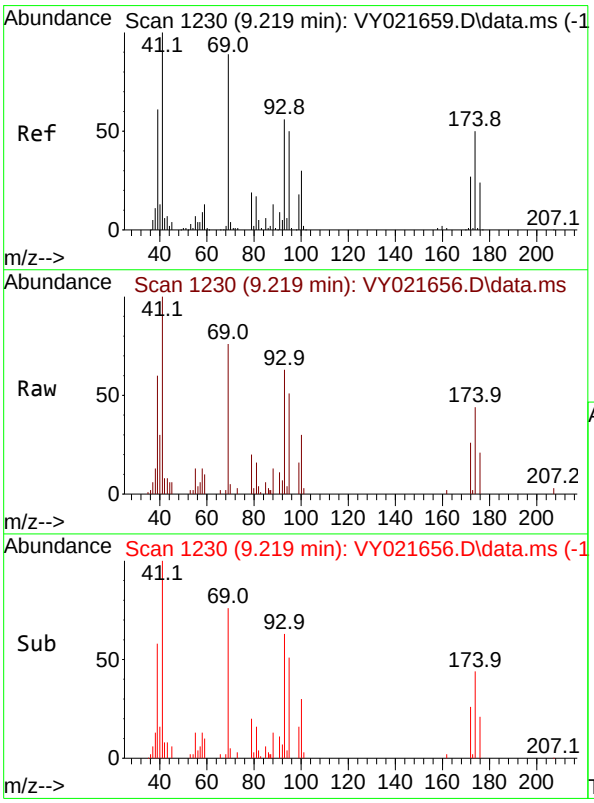
#47
Bromodichloromethane
Concen: 5.458 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20008

Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.8	77.6
127	9.0	6.8	10.2

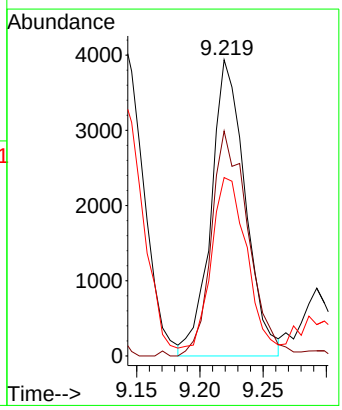


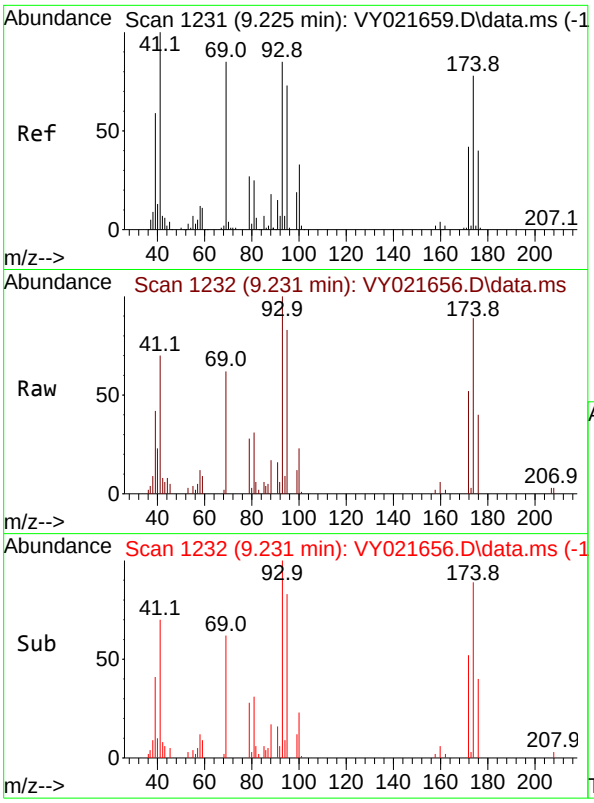


#48
Methyl methacrylate
Concen: 5.225 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 7427

Ion	Ratio	Lower	Upper
41	100		
69	81.4	69.8	104.8
39	59.4	47.2	70.8



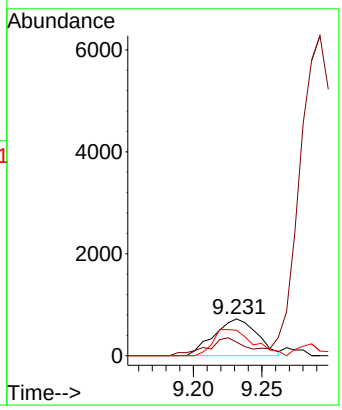


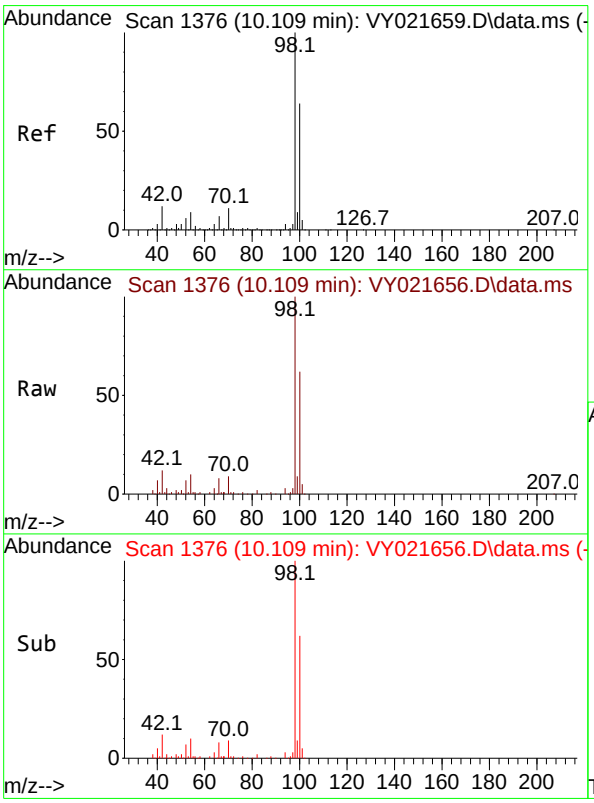
#49
1,4-Dioxane
Concen: 103.789 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1573

Ion	Ratio	Lower	Upper
88	100		
43	40.8	28.8	43.2
58	66.1	59.4	89.2

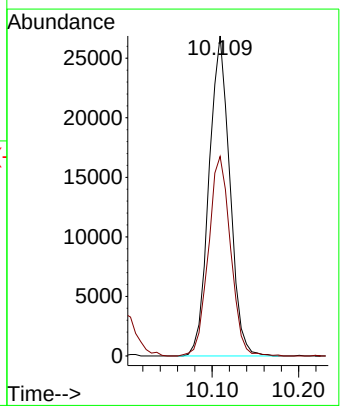


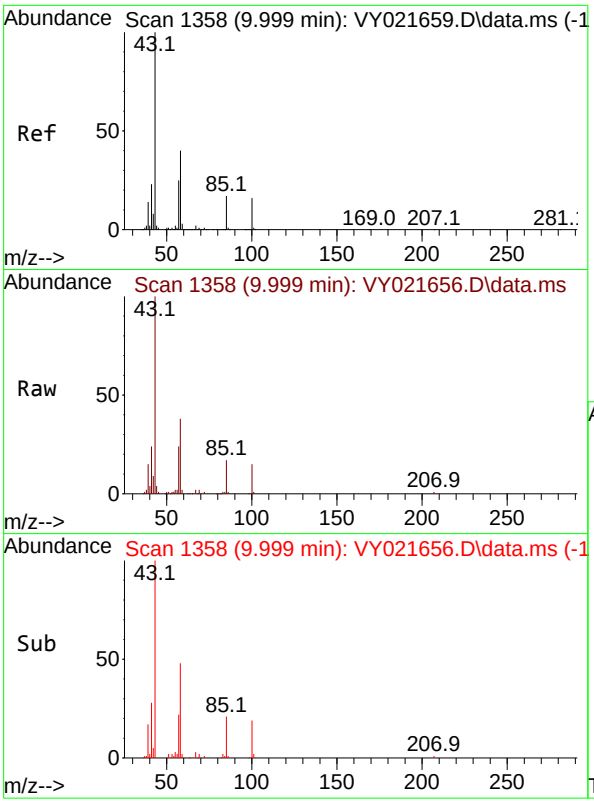


#50
Toluene-d8
Concen: 5.177 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 98 Resp: 44774

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.1	78.1



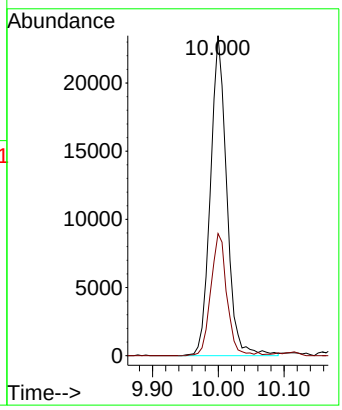


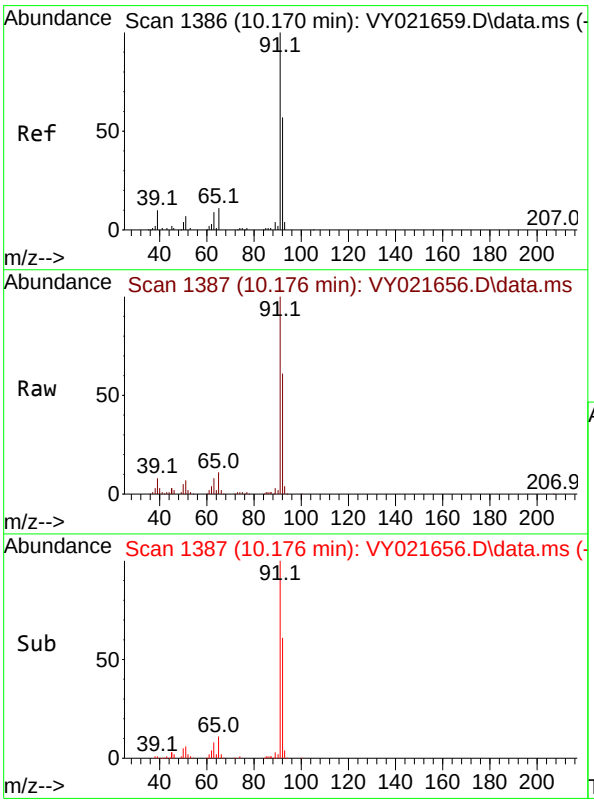
#51
4-Methyl-2-Pentanone
Concen: 25.191 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 40601

Ion	Ratio	Lower	Upper
43	100		
58	37.6	31.5	47.3

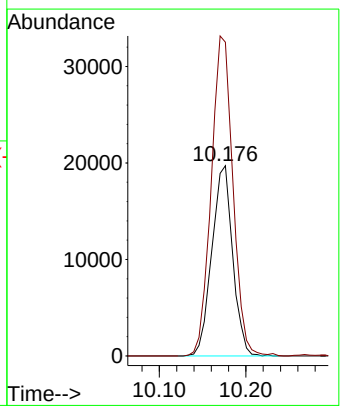


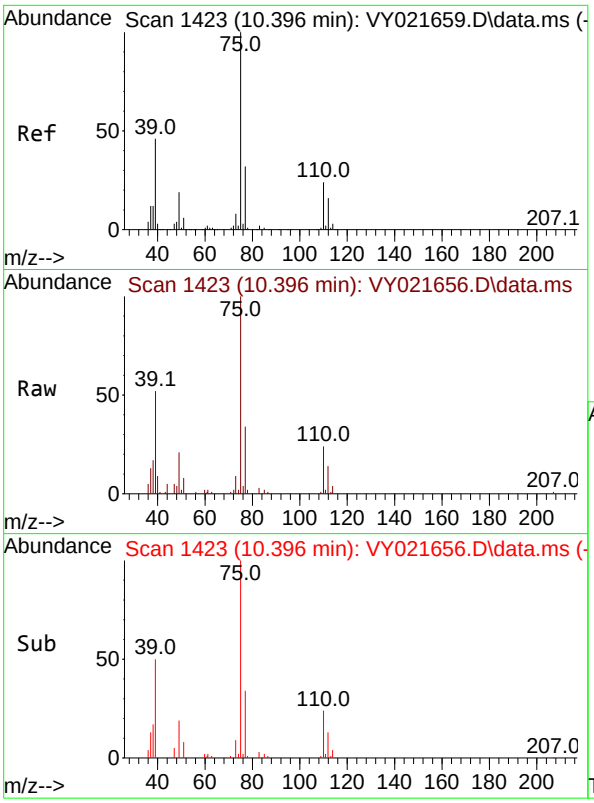


#52
Toluene
Concen: 5.093 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 92 Resp: 32954

Ion	Ratio	Lower	Upper
92	100		
91	175.0	138.6	207.8



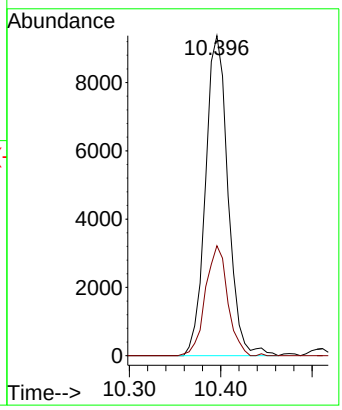


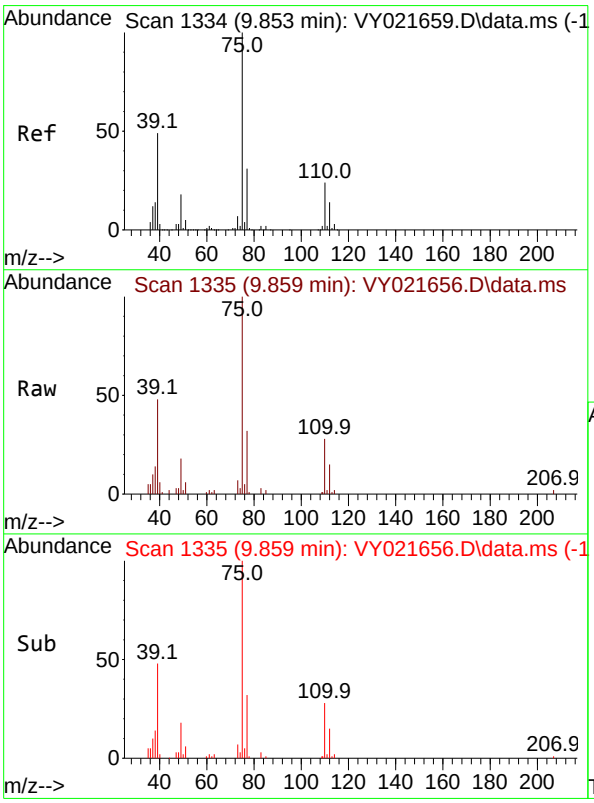
#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 15986

Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.3	37.9

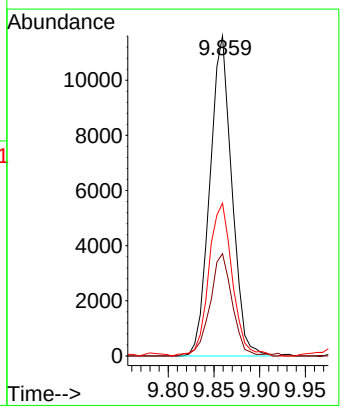


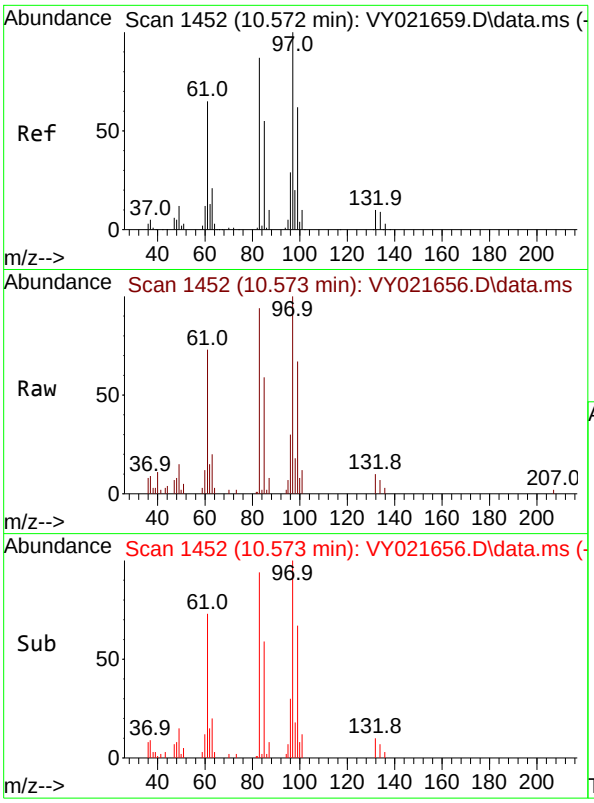


#54
cis-1,3-Dichloropropene
Concen: 5.049 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 19395

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3
39	47.7	39.2	58.8



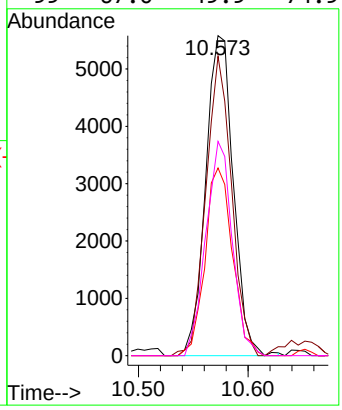


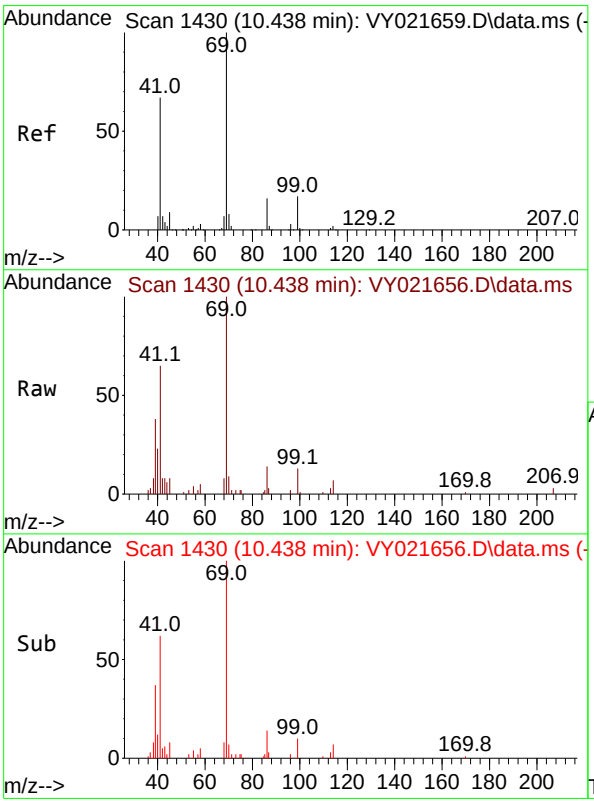
#55
1,1,2-Trichloroethane
Concen: 5.384 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 9802

Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.5	104.3
85	58.7	43.9	65.9
99	67.0	49.9	74.9

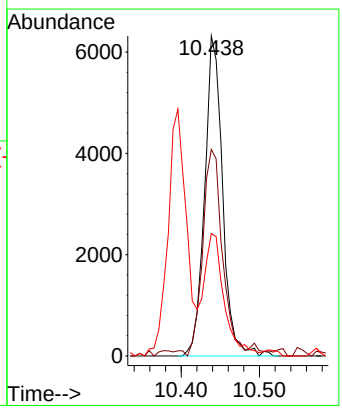


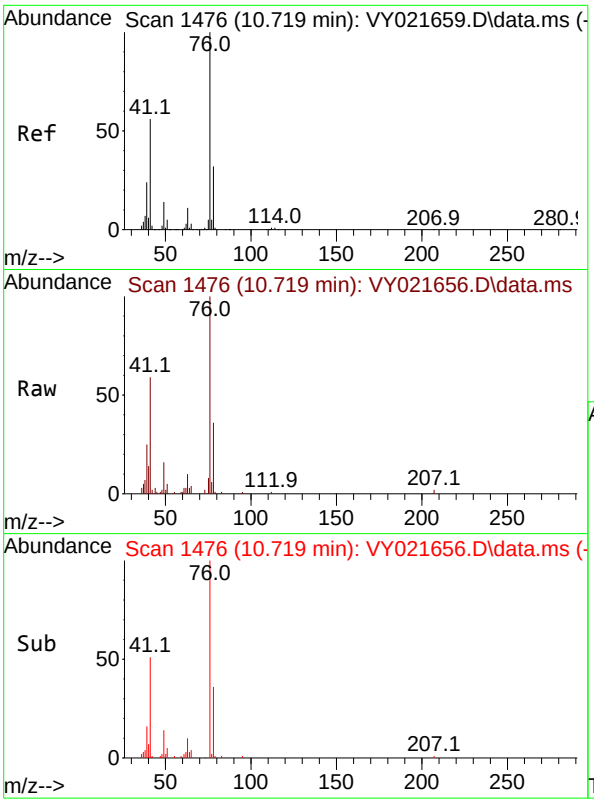


#56
Ethyl methacrylate
Concen: 4.327 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 69 Resp: 10060

Ion	Ratio	Lower	Upper
69	100		
41	71.3	53.8	80.6
39	42.5	29.6	44.4



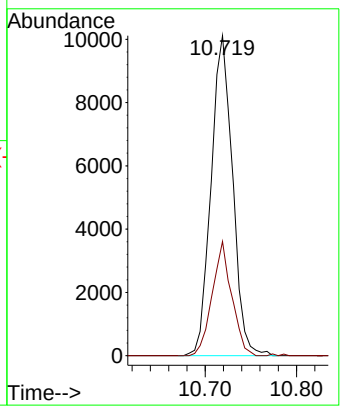


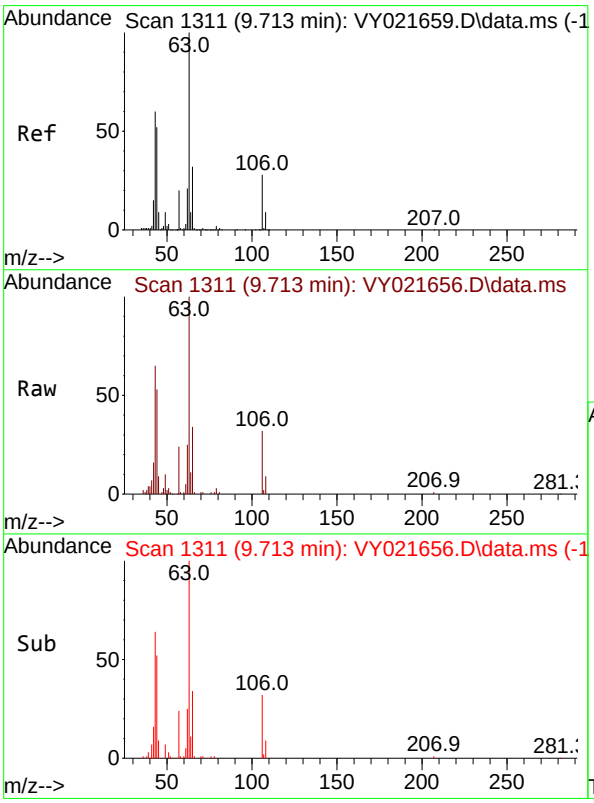
#57
1,3-Dichloropropane
Concen: 5.258 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16534

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

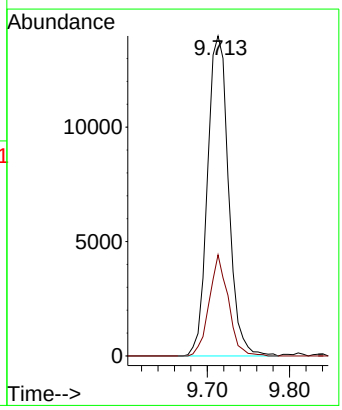


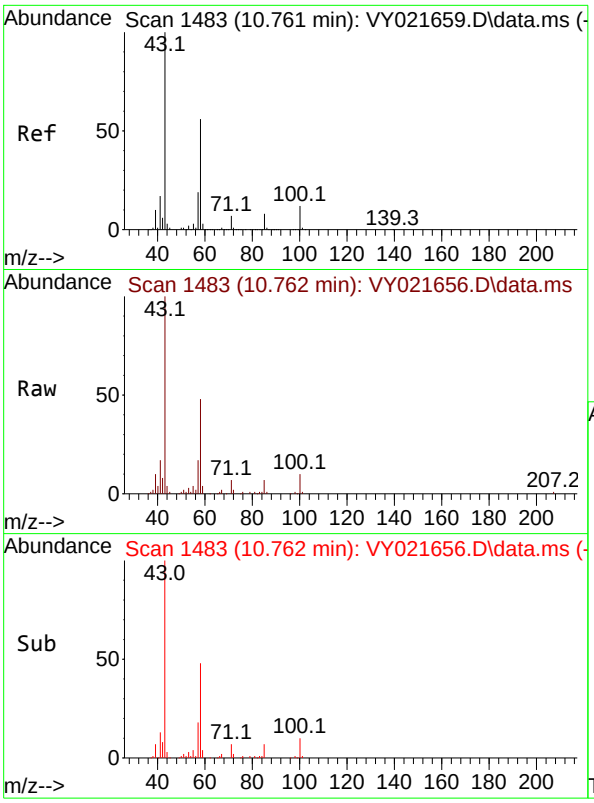


#58
2-Chloroethyl Vinyl ether
Concen: 21.959 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 24903

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.4	33.6



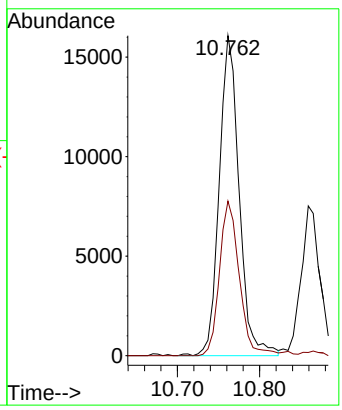


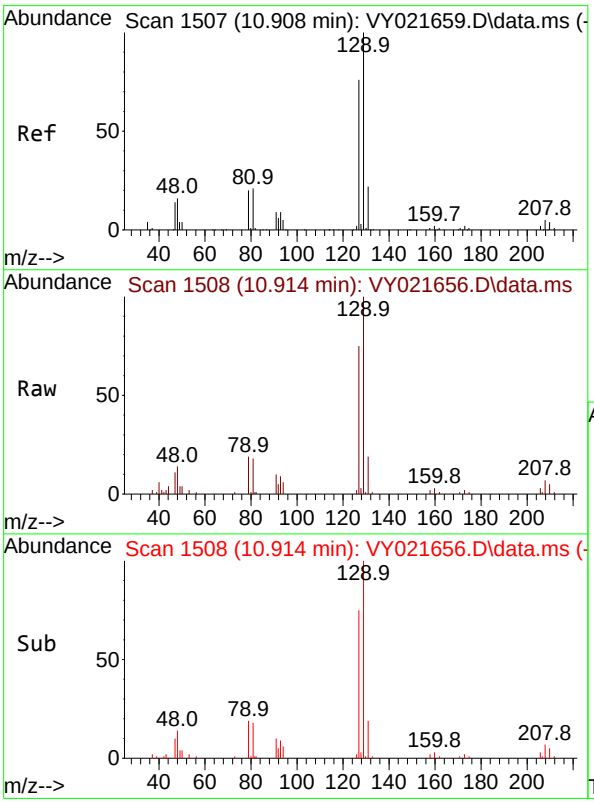
#59
2-Hexanone
Concen: 25.145 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 26991

Ion	Ratio	Lower	Upper
43	100		
58	48.9	27.2	81.5

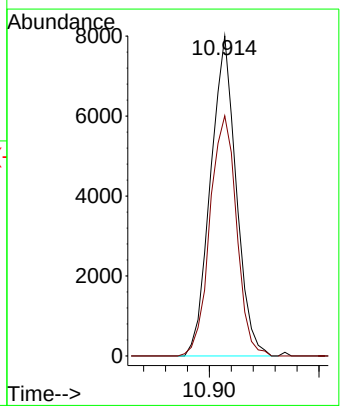


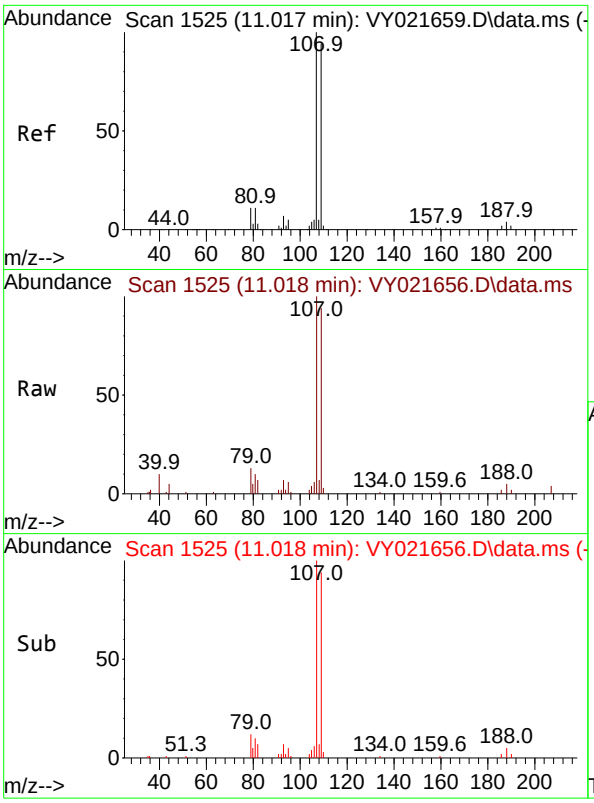


#60
Dibromochloromethane
Concen: 5.231 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:129 Resp: 13002

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7



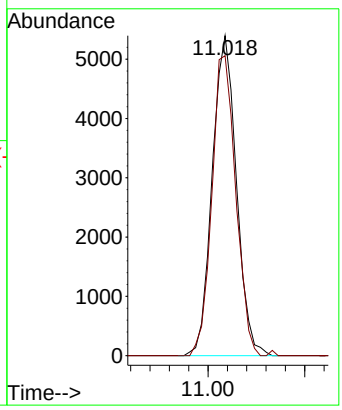


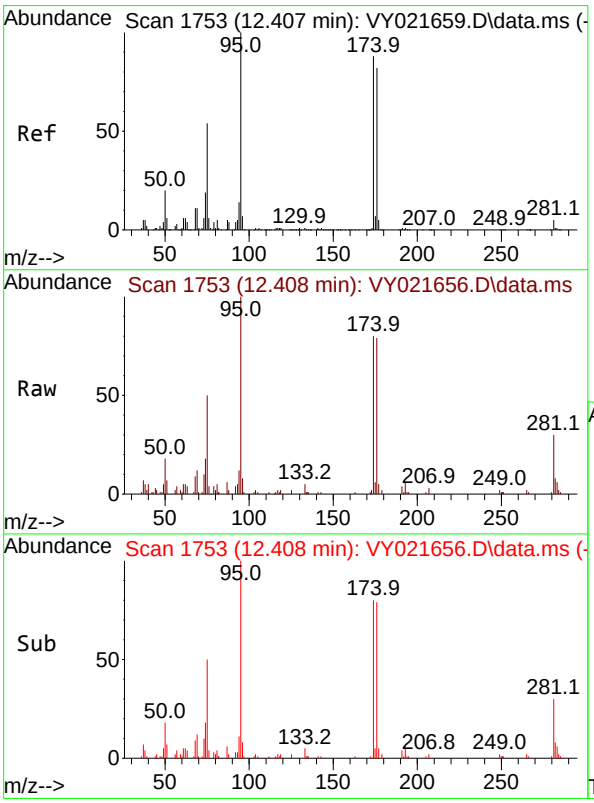
#61
1,2-Dibromoethane
Concen: 5.472 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 9345

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.4	111.6

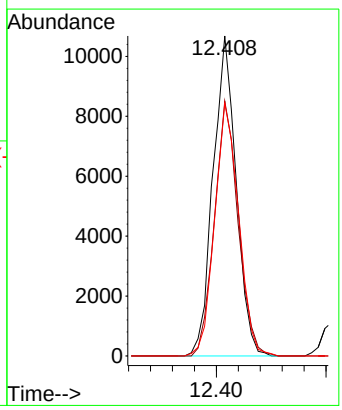


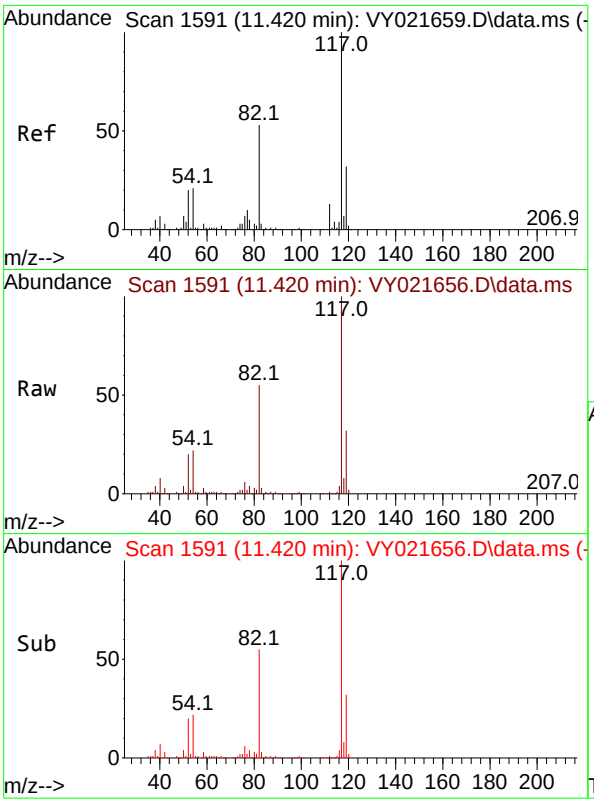


#62
4-Bromofluorobenzene
Concen: 5.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 95 Resp: 15657

Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	170.8
176	81.7	0.0	162.0



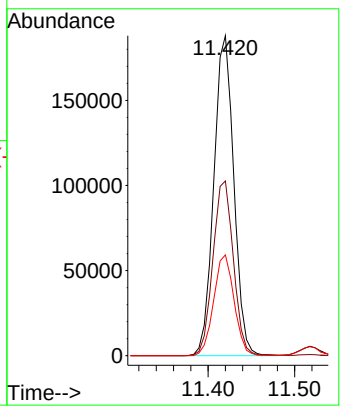


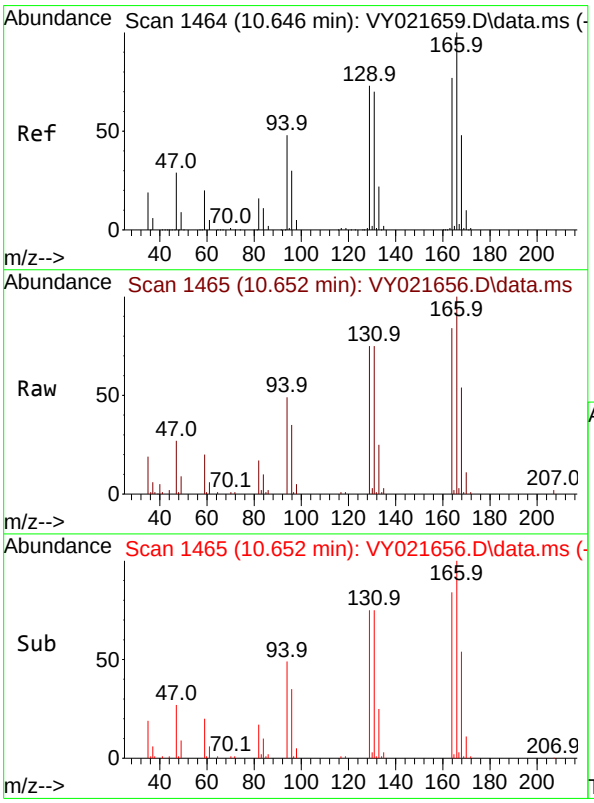
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 301382

Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	31.5	25.7	38.5

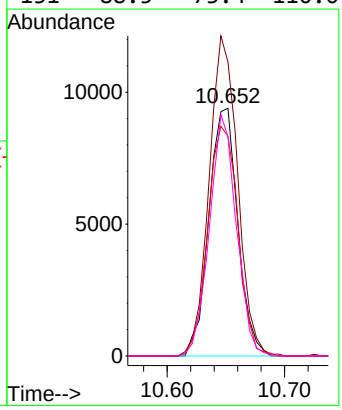


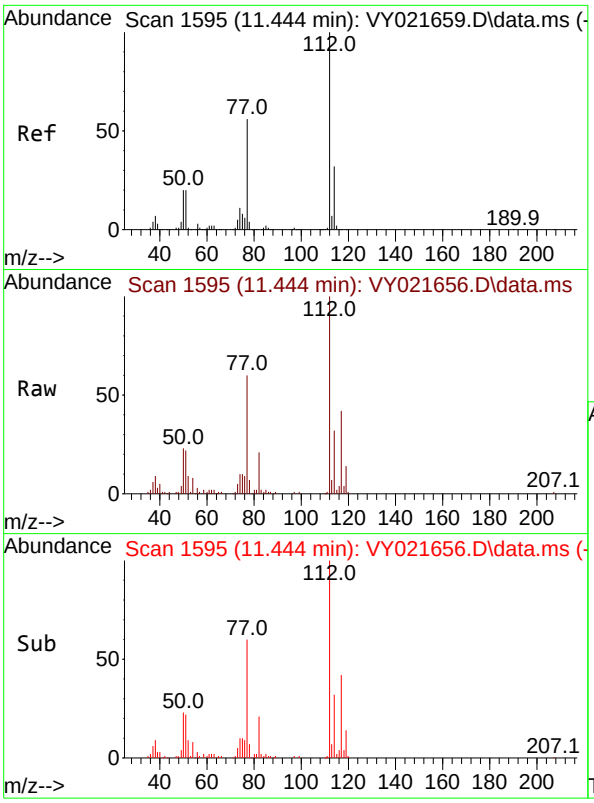


#64
Tetrachloroethene
Concen: 5.860 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:164 Resp: 16085

Ion	Ratio	Lower	Upper
164	100		
166	118.7	104.6	156.8
129	88.8	76.6	114.8
131	88.5	73.4	110.0



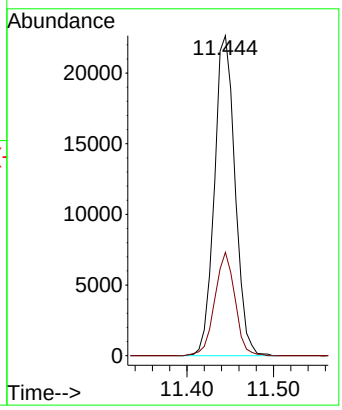


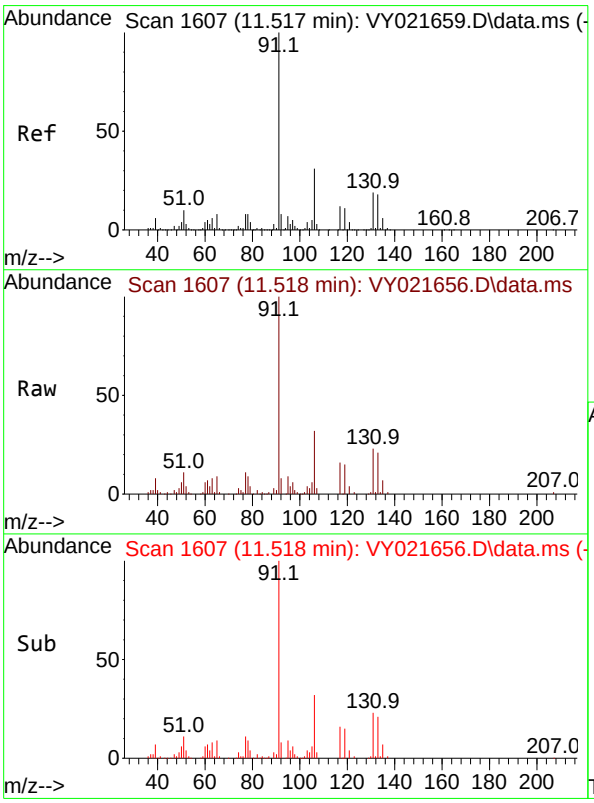
#65
Chlorobenzene
Concen: 5.429 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 37505

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.9	38.9

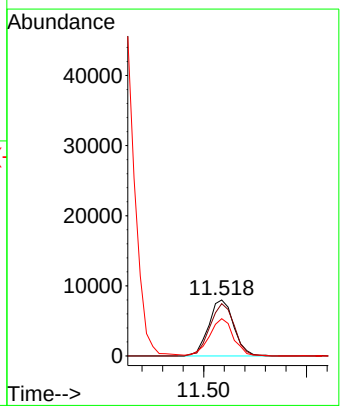


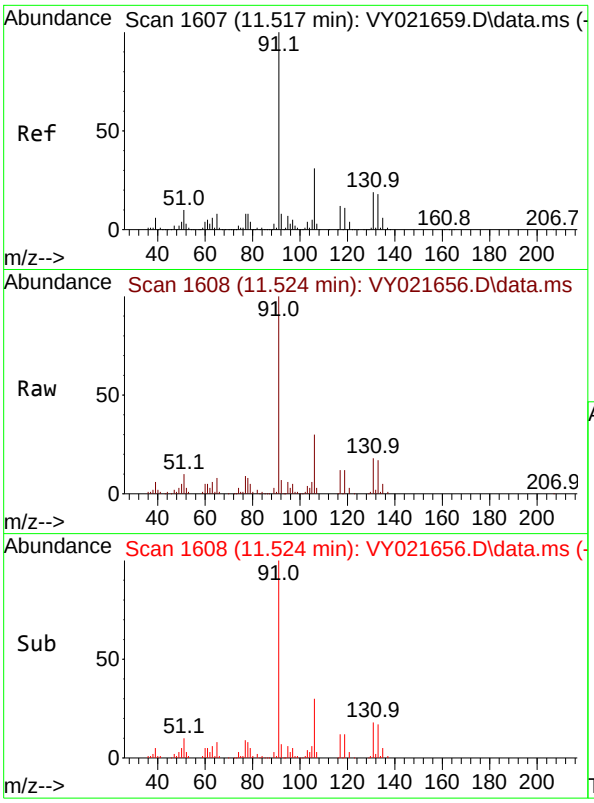


#66
1,1,1,2-Tetrachloroethane
Concen: 5.506 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:131 Resp: 13496

Ion	Ratio	Lower	Upper
131	100		
133	91.0	47.3	141.8
119	64.0	31.6	95.0



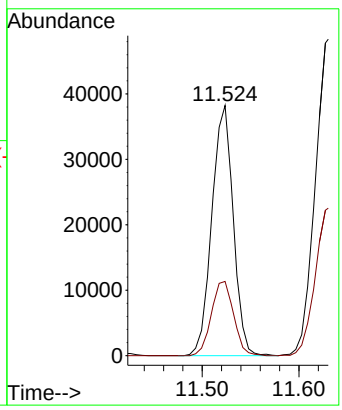


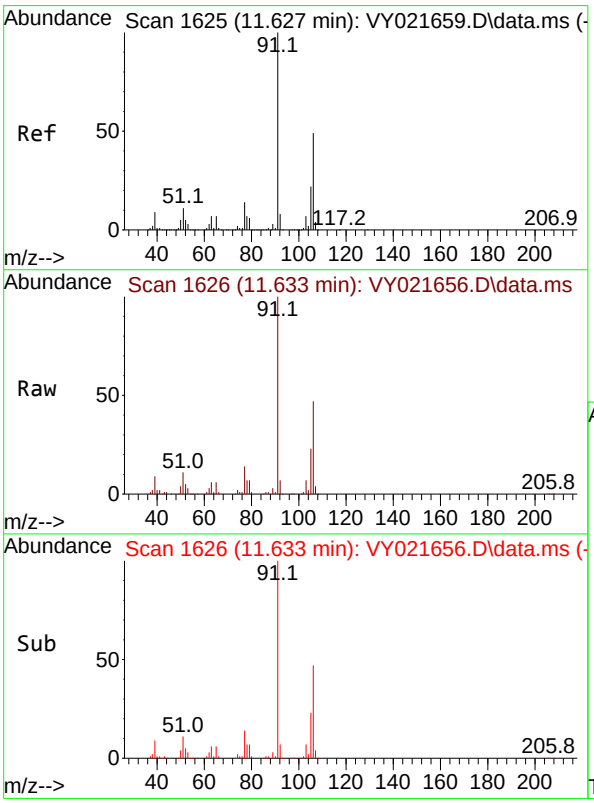
#67
Ethyl Benzene
Concen: 4.959 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 58750

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.6	36.8

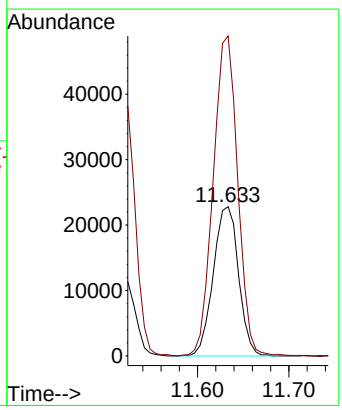


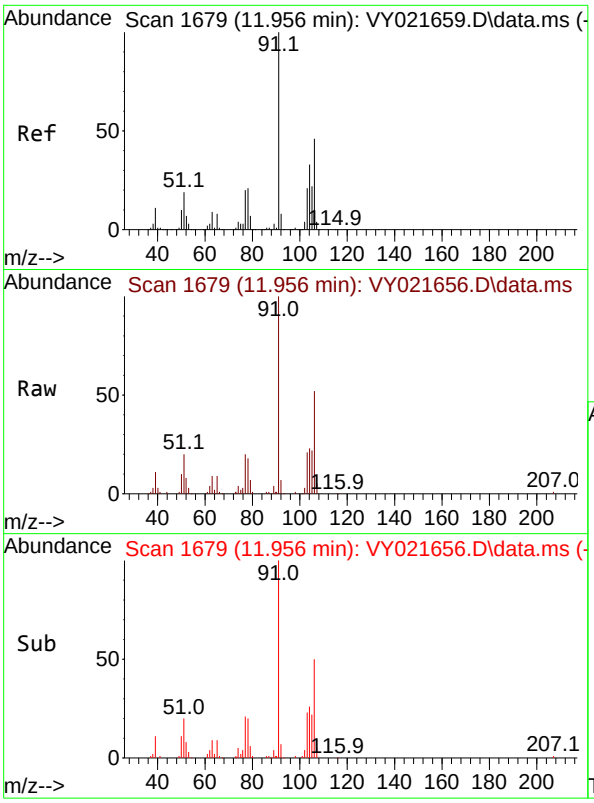


#68
m/p-Xylenes
Concen: 9.652 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:106 Resp: 43785

Ion	Ratio	Lower	Upper
106	100		
91	208.3	162.4	243.6



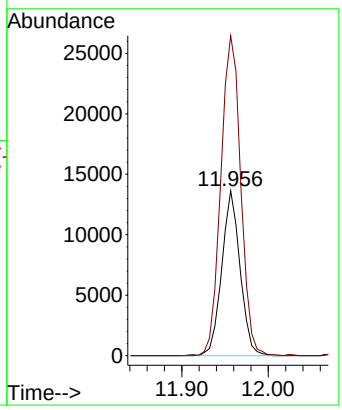


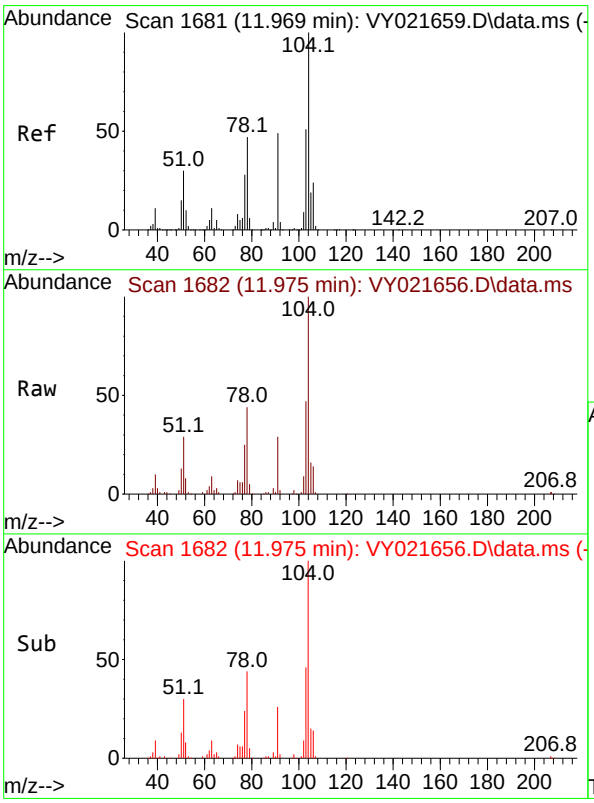
#69
o-Xylene
Concen: 4.786 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 20041

Ion	Ratio	Lower	Upper
106	100		
91	210.7	106.7	319.9

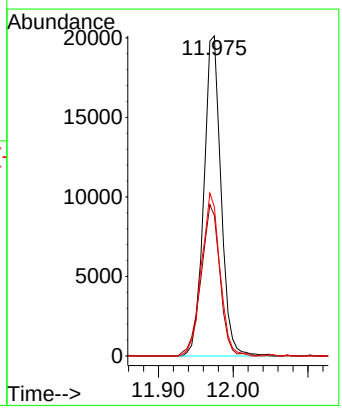


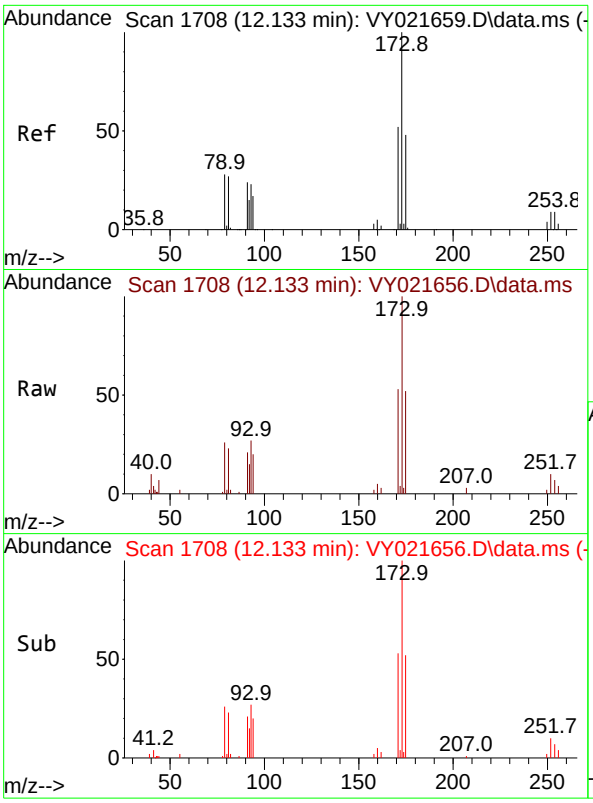


#70
Styrene
Concen: 4.594 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:104 Resp: 32075

Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.8	61.2
103	54.8	44.2	66.2



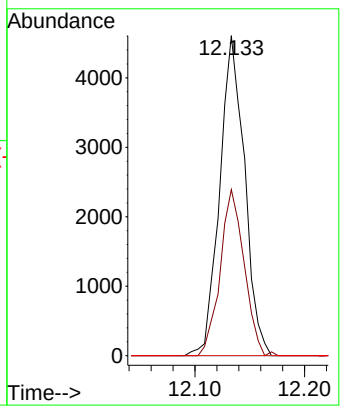


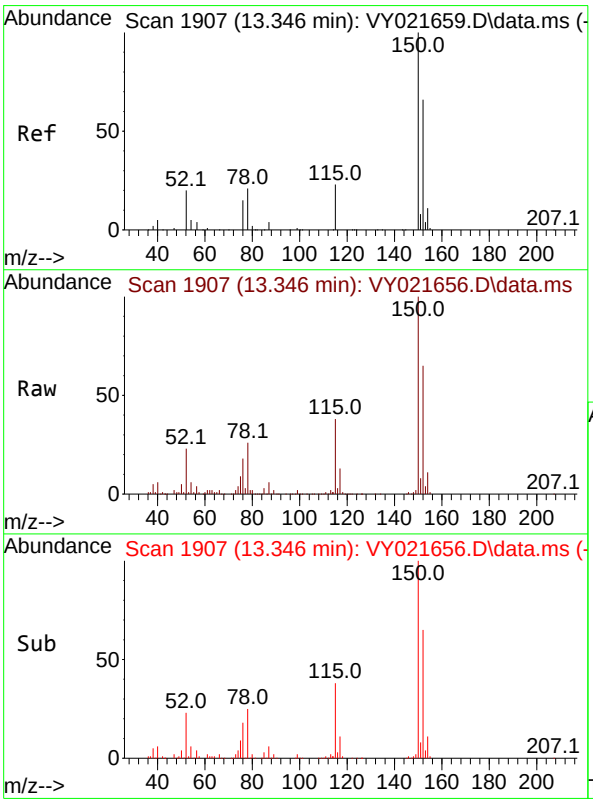
#71
Bromoform
Concen: 5.187 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7253

Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.0	0.1	0.1#

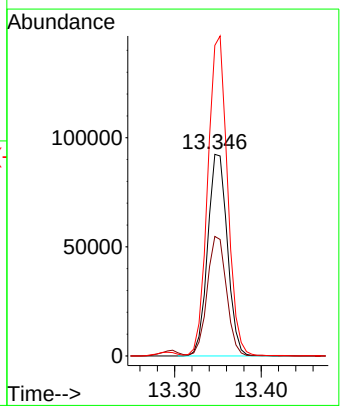


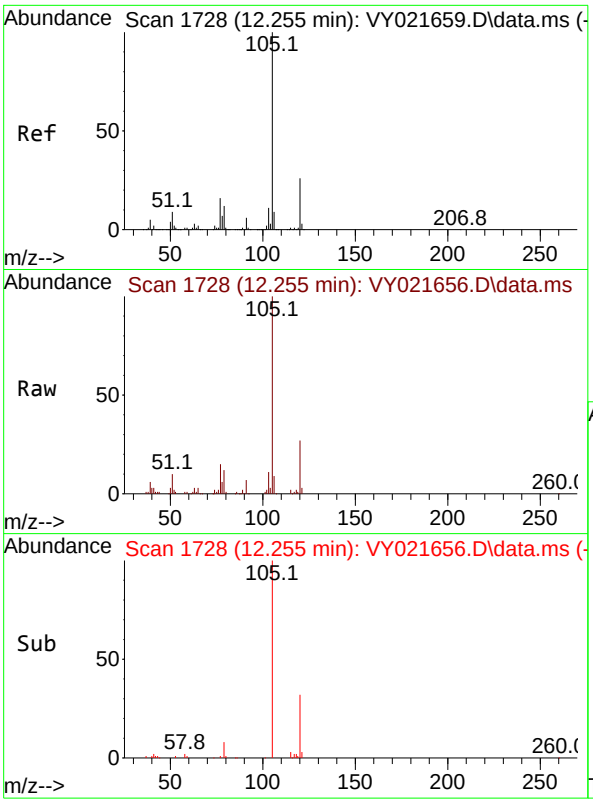


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:152 Resp: 145682

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	158.9	0.0	348.4



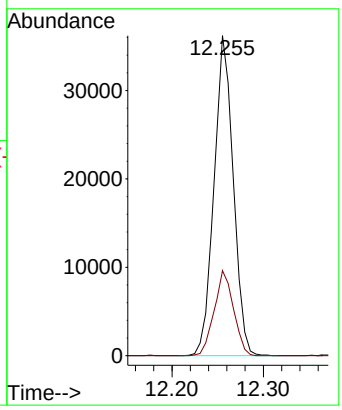


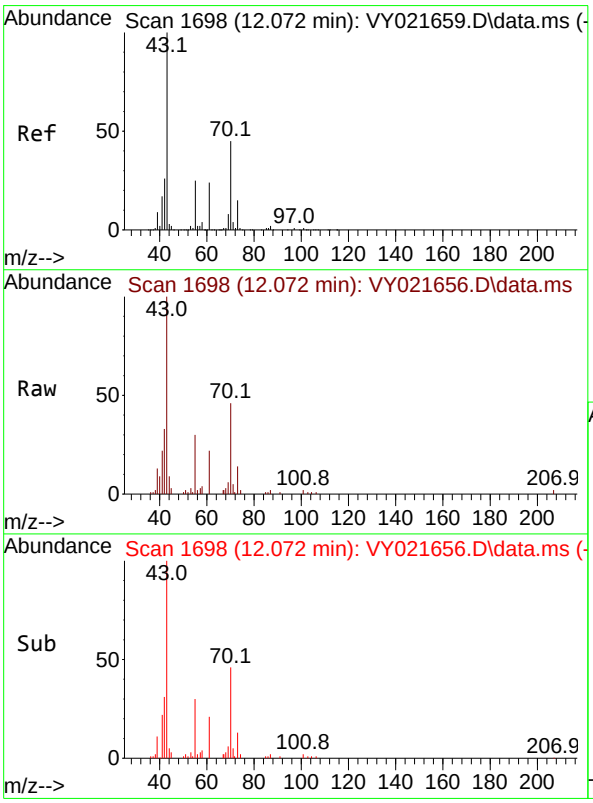
#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 52860

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

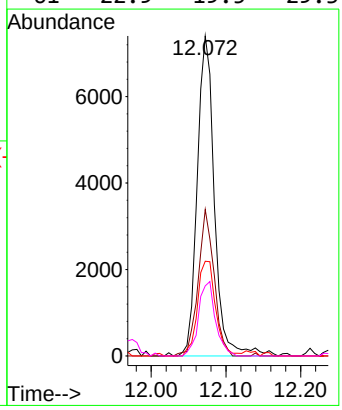


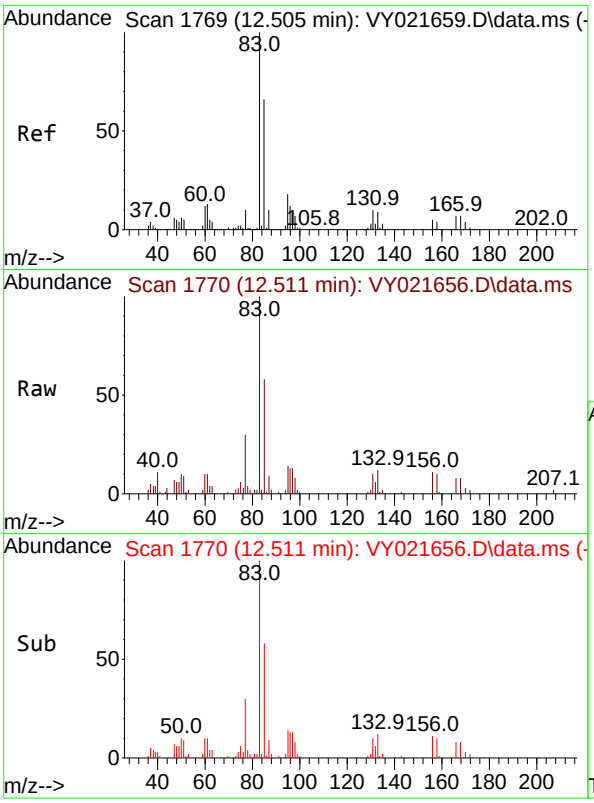


#74
N-amyl acetate
Concen: 4.660 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 11835

Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.7	52.1
55	31.4	21.2	31.8
61	22.9	19.5	29.3



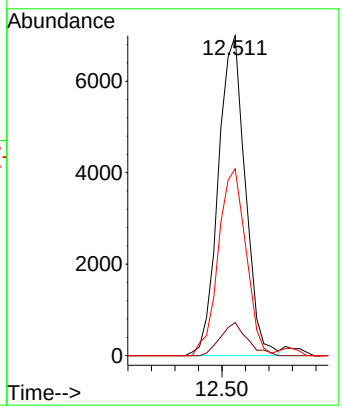


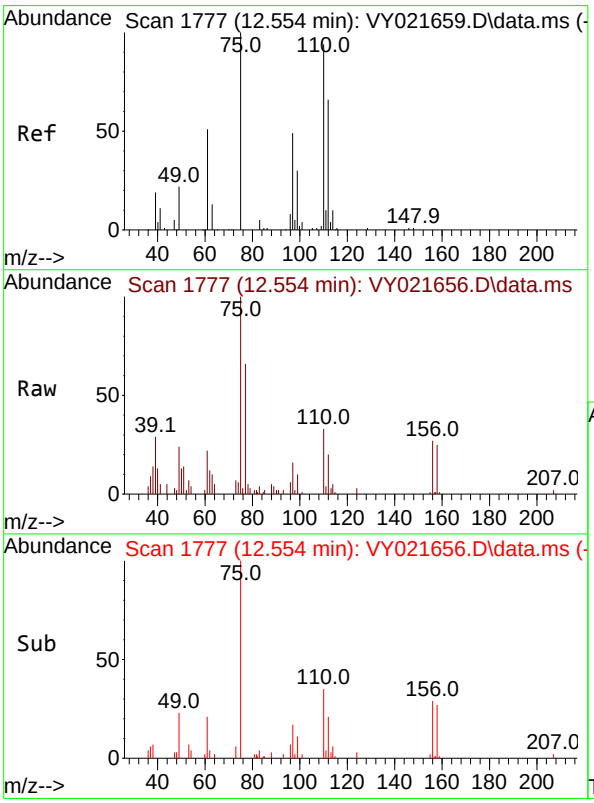
#75
1,1,2,2-Tetrachloroethane
Concen: 5.723 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11133

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	60.1	32.3	96.8

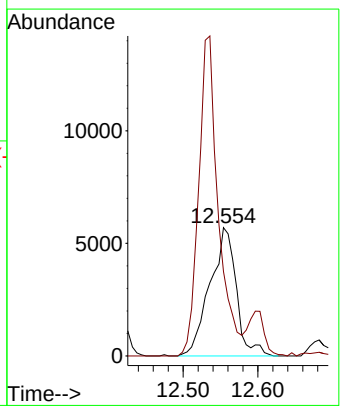


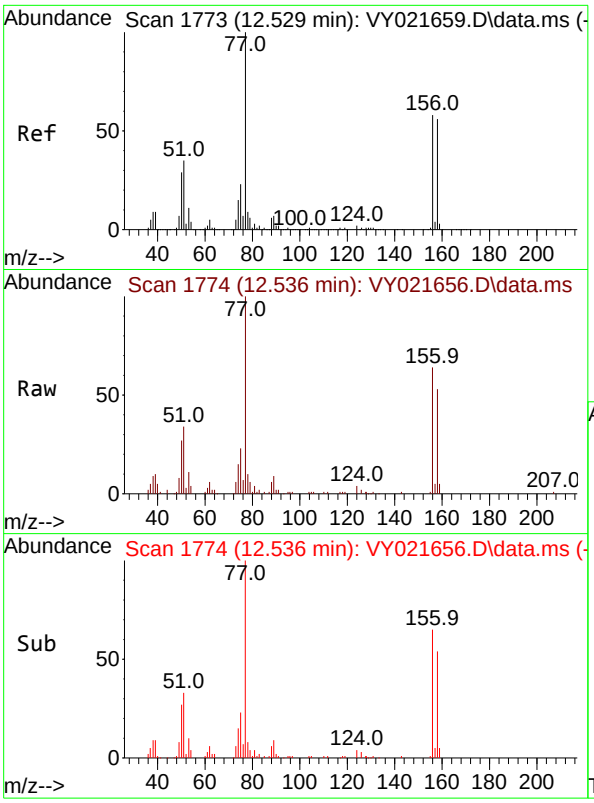


#76
1,2,3-Trichloropropane
Concen: 9.675 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 13972

Ion	Ratio	Lower	Upper
75	100		
77	185.5	0.0	0.0#



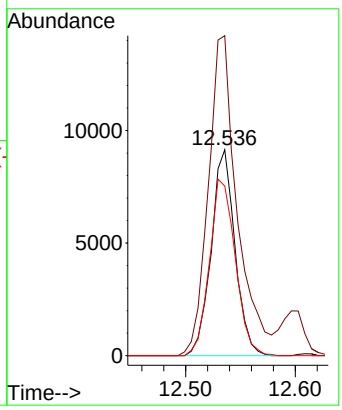


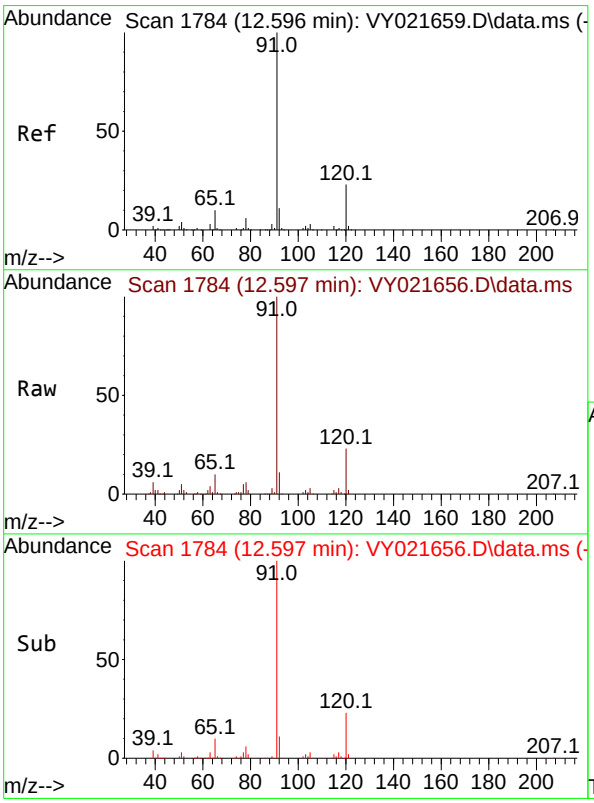
#77
Bromobenzene
Concen: 5.305 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 13783

Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.8	278.3
158	93.2	48.5	145.6

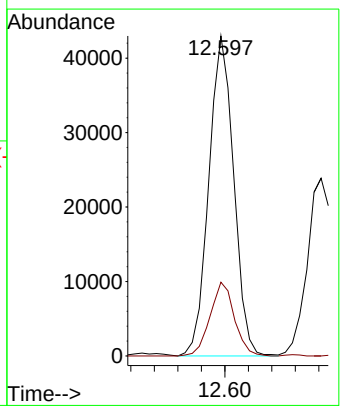


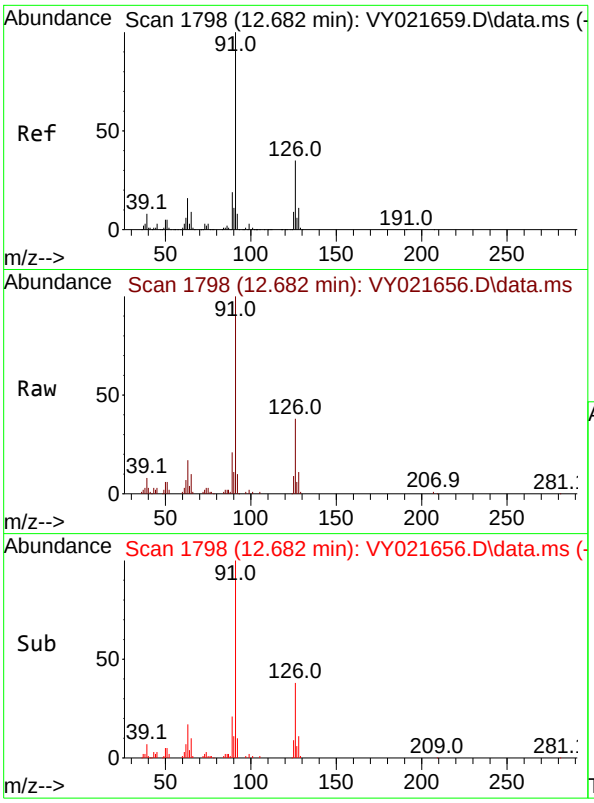


#78
n-propylbenzene
Concen: 4.868 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 63324

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9



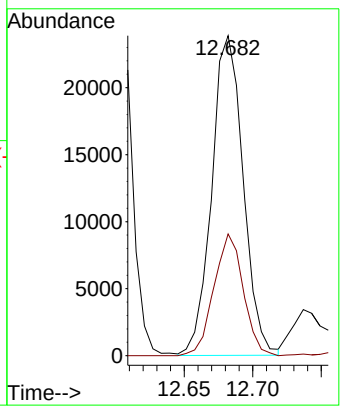


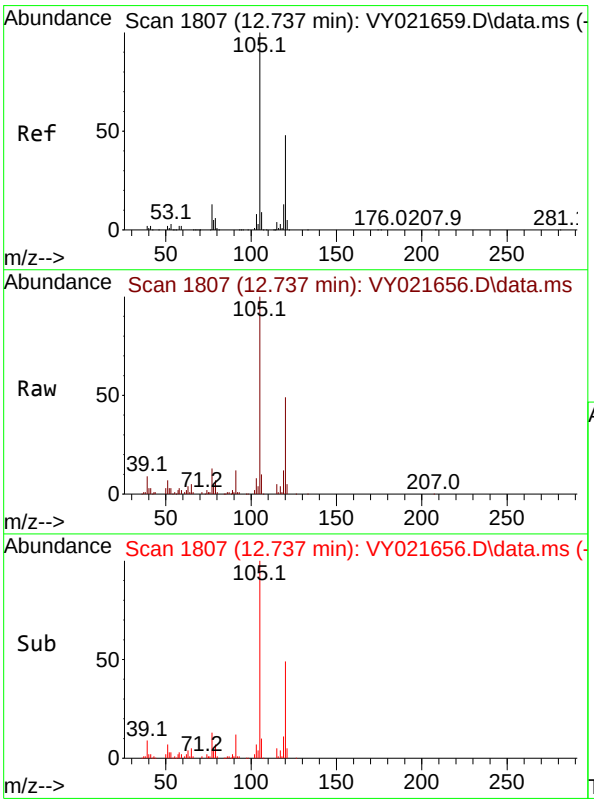
#79
2-Chlorotoluene
Concen: 5.044 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 38107

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	52.0

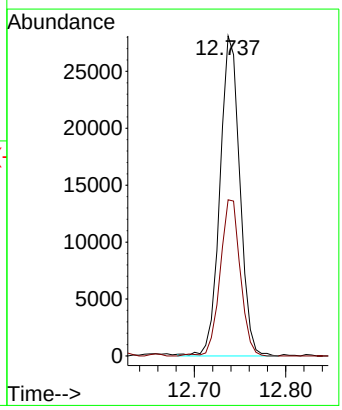


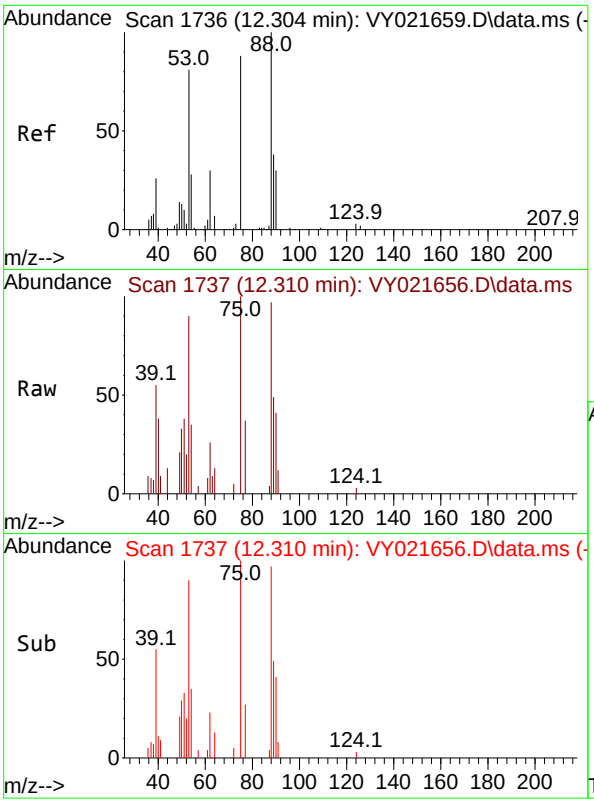


#80
1,3,5-Trimethylbenzene
Concen: 4.806 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 42499

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.5	73.5



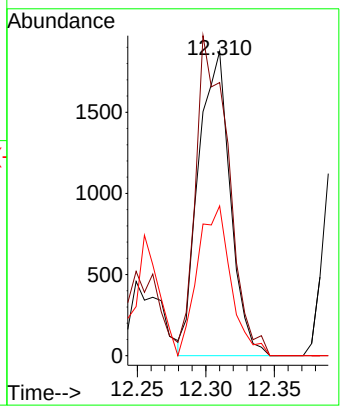


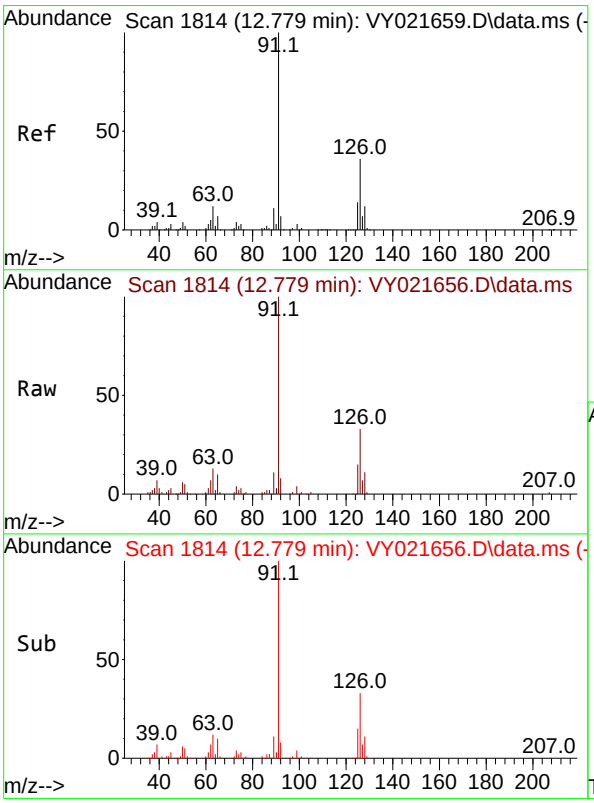
#81
trans-1,4-Dichloro-2-butene
Concen: 4.823 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3023

Ion	Ratio	Lower	Upper
75	100		
53	107.4	76.1	114.1
89	51.7	36.2	54.4

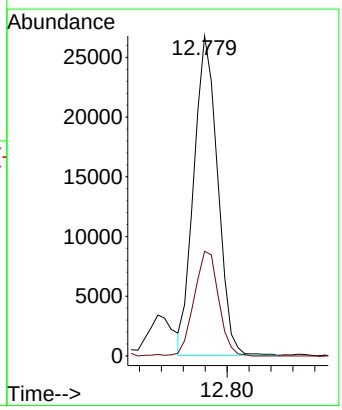


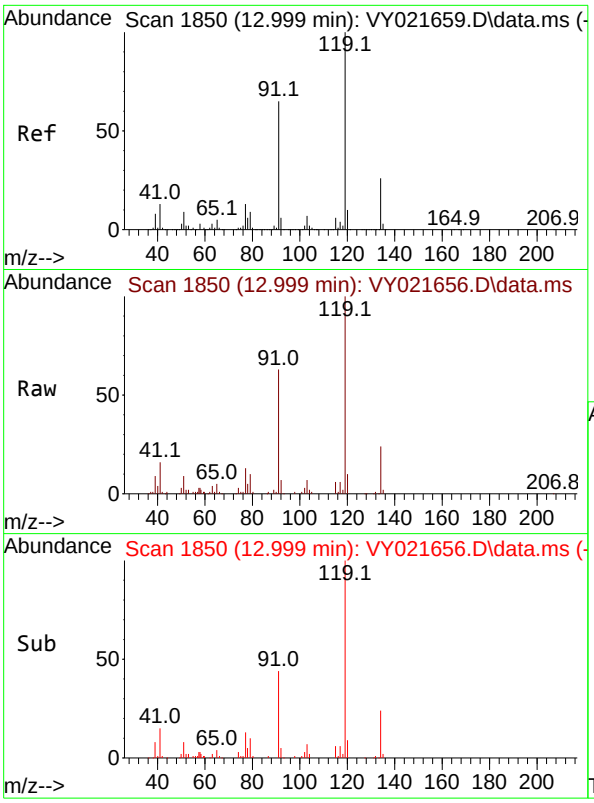


#82
4-Chlorotoluene
Concen: 5.119 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 40326

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9



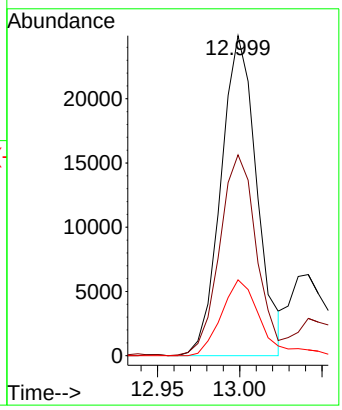


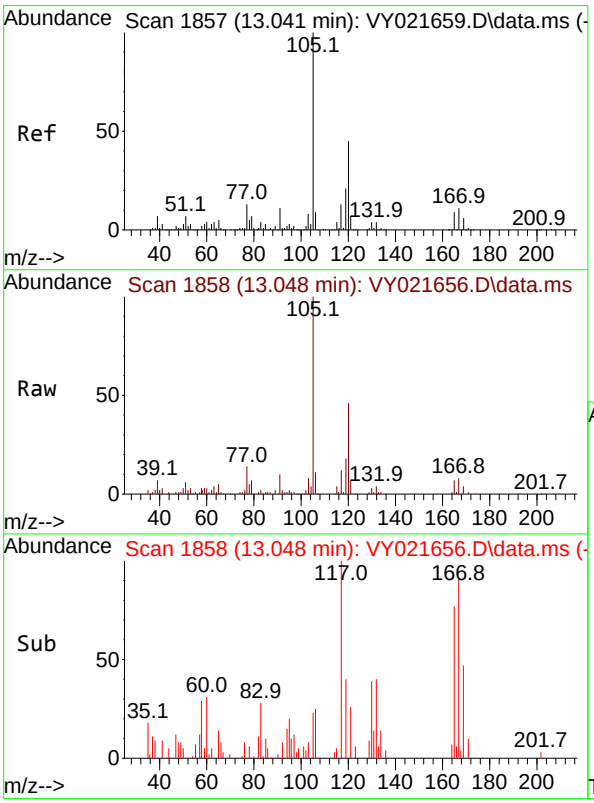
#83
tert-Butylbenzene
Concen: 4.801 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 37817

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.6	97.7
134	26.1	13.2	39.6

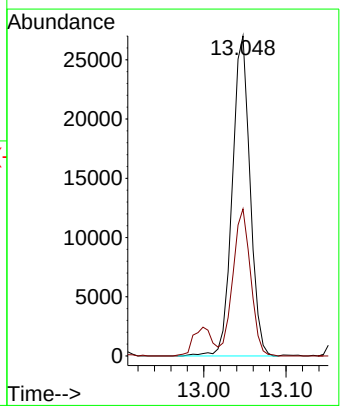


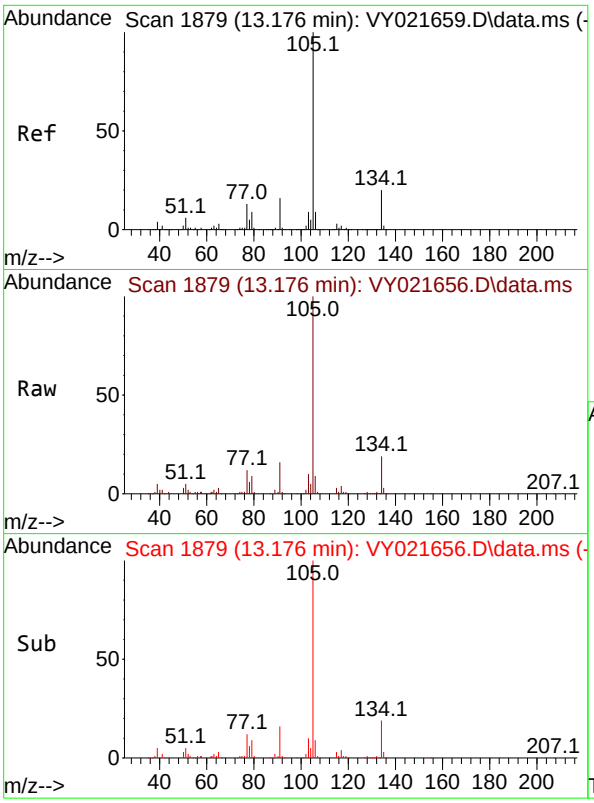


#84
1,2,4-Trimethylbenzene
Concen: 4.639 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 40547

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.7	68.1



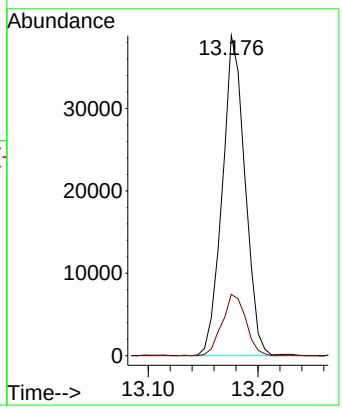


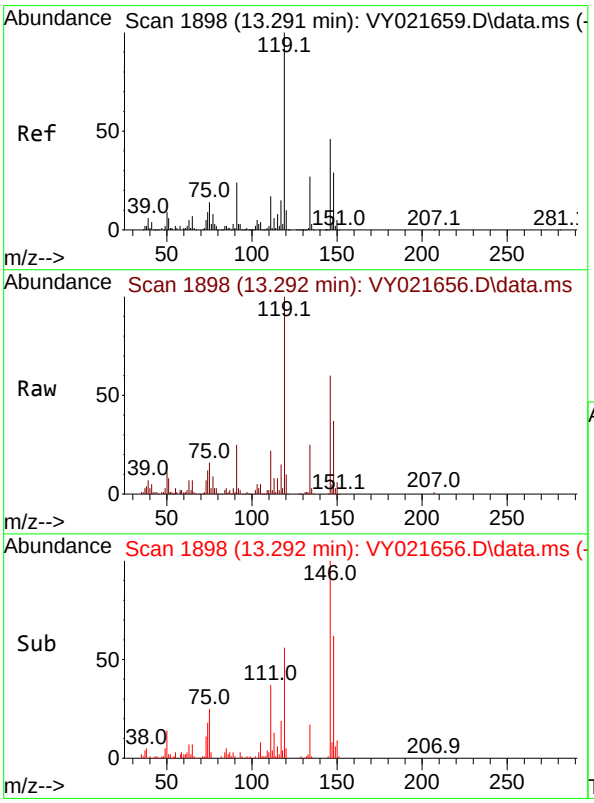
#85
sec-Butylbenzene
Concen: 4.858 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 55918

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

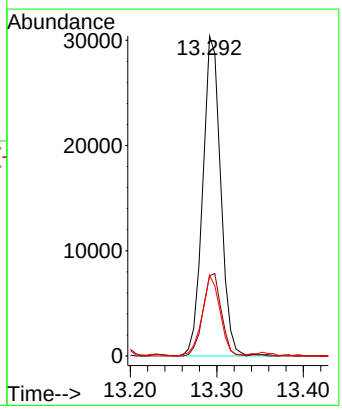


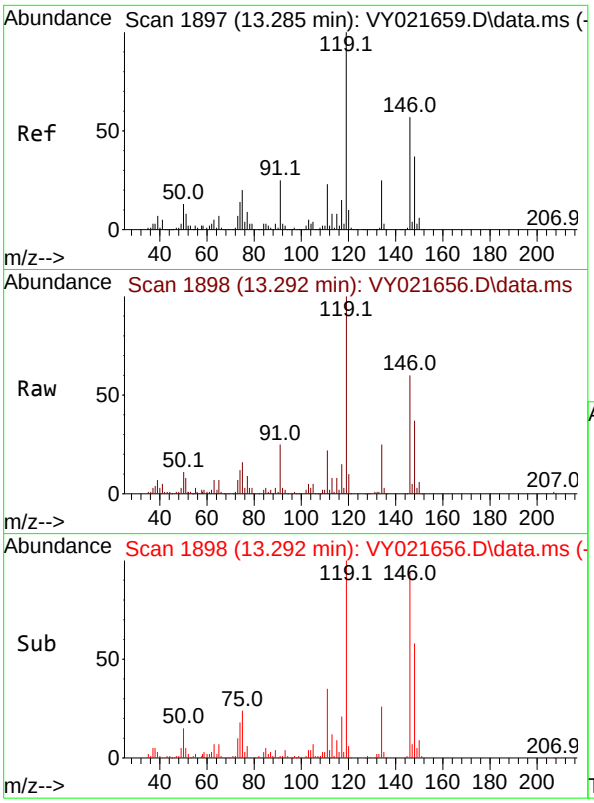


#86
p-Isopropyltoluene
Concen: 4.595 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:119 Resp: 43714

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	25.2	12.0	36.0



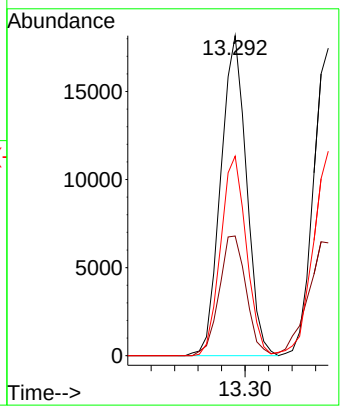


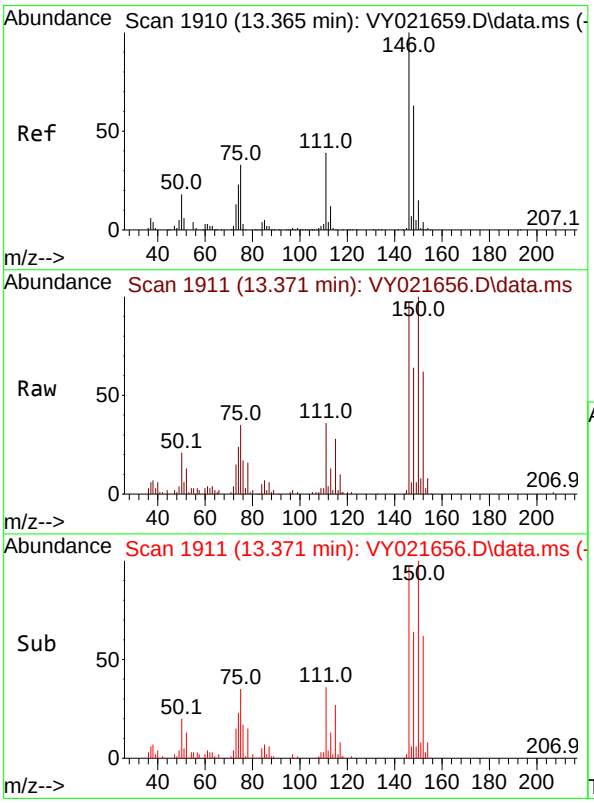
#87
1,3-Dichlorobenzene
Concen: 5.393 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 27604

Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	62.4	31.8	95.4

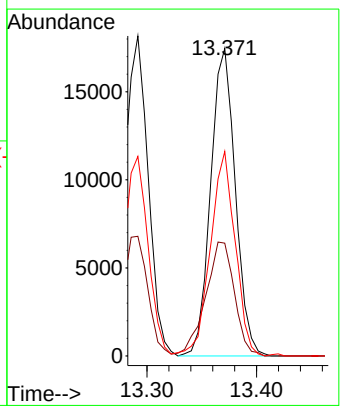


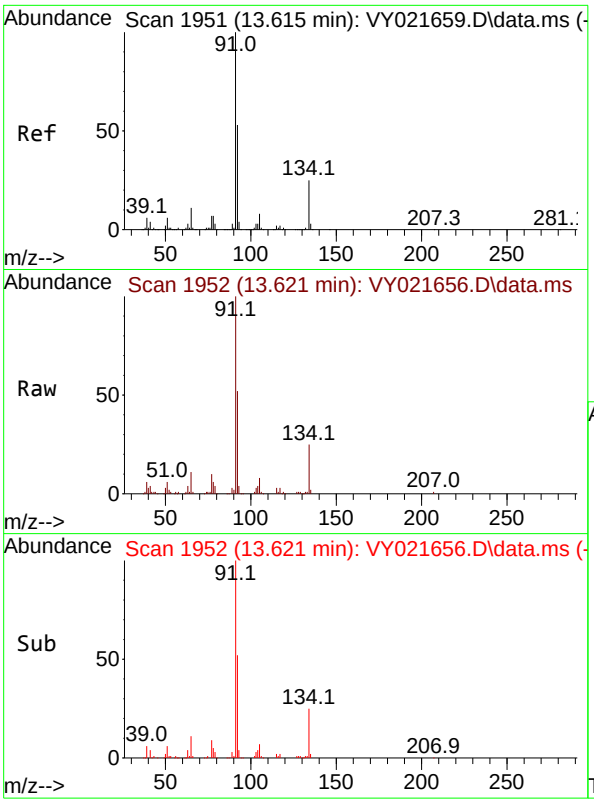


#88
1,4-Dichlorobenzene
Concen: 5.405 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 27332

Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.1	57.1
148	66.9	31.5	94.5



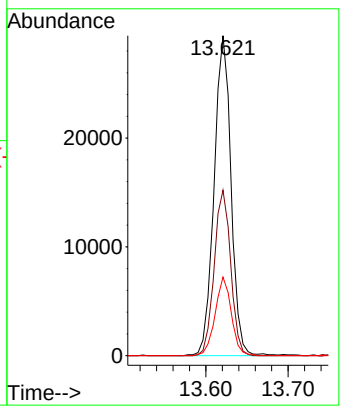


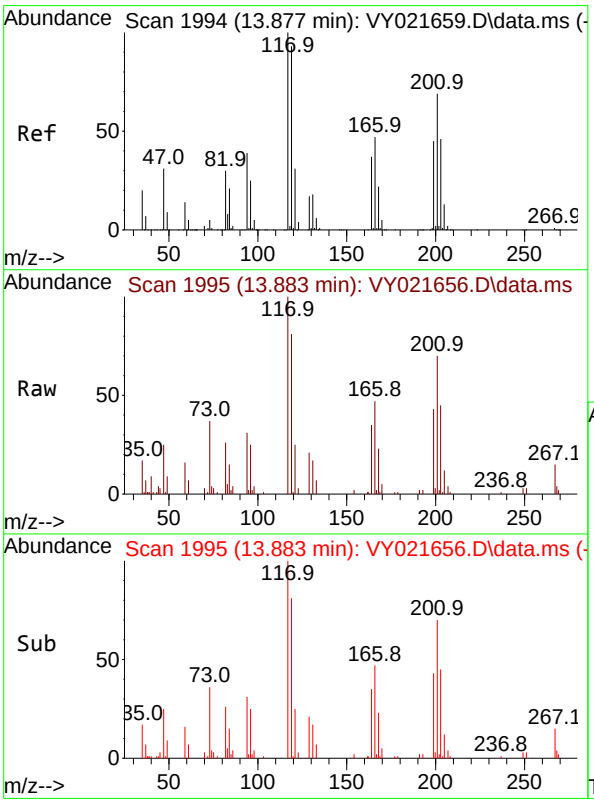
#89
n-Butylbenzene
Concen: 4.785 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 42102

Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.4	79.2
134	23.5	12.8	38.4

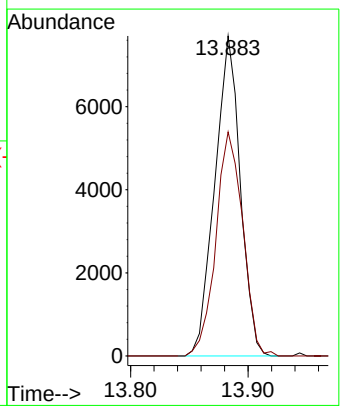


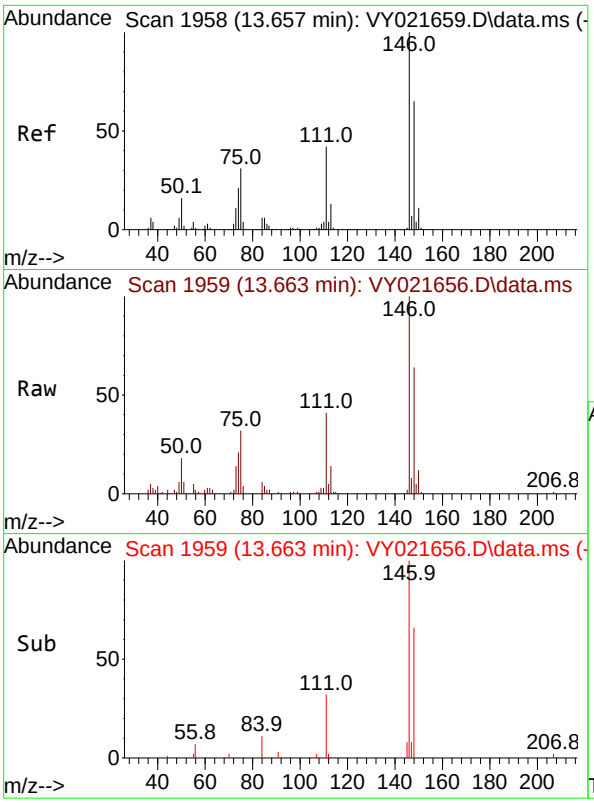


#90
Hexachloroethane
Concen: 5.573 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:117 Resp: 11619

Ion	Ratio	Lower	Upper
117	100		
201	73.9	37.4	112.1



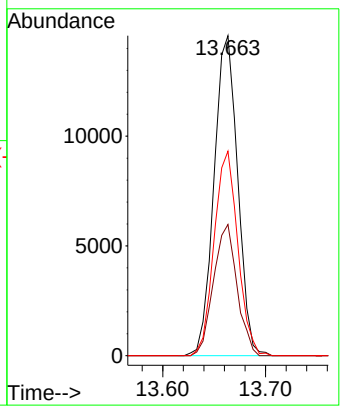


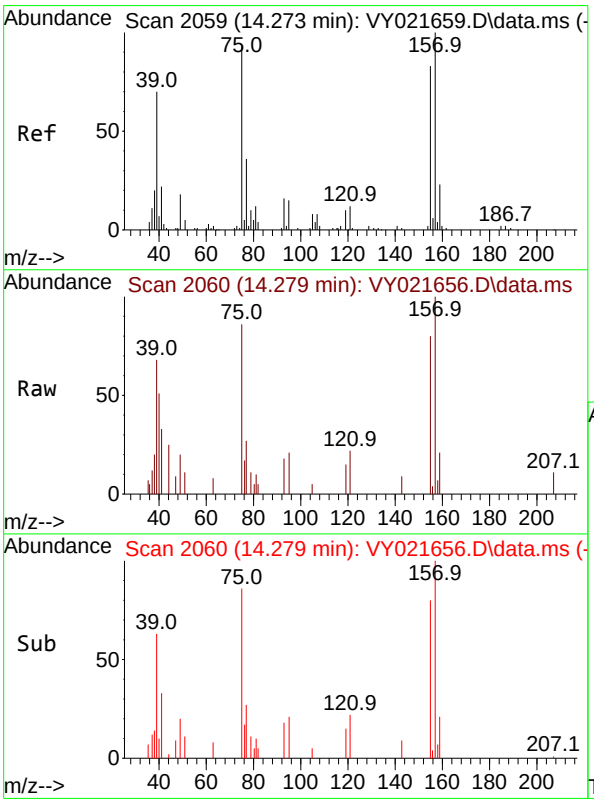
#91
1,2-Dichlorobenzene
Concen: 5.224 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 23277

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.1	32.3	96.9

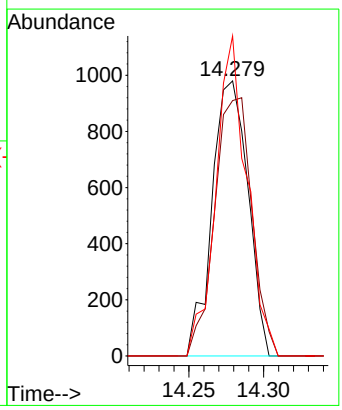


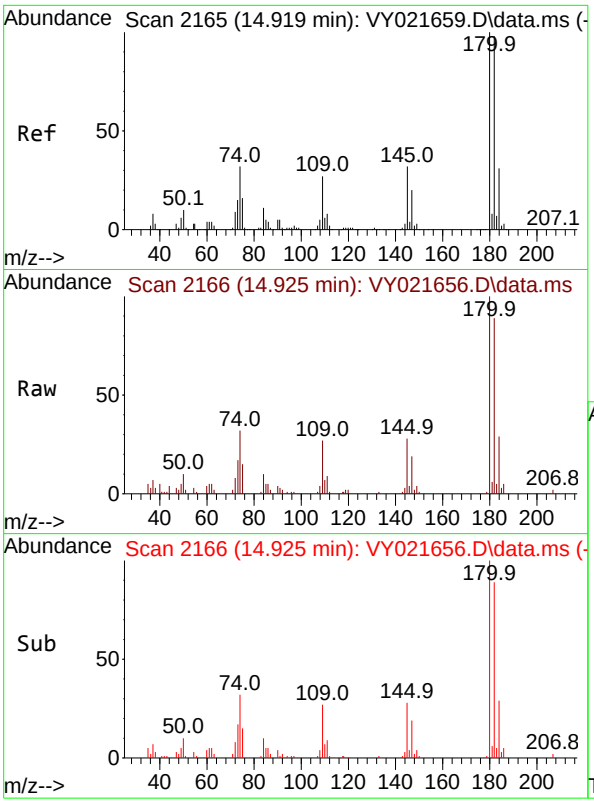


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.419 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 1634

Ion	Ratio	Lower	Upper
75	100		
155	97.6	43.0	128.8
157	100.8	54.0	162.0



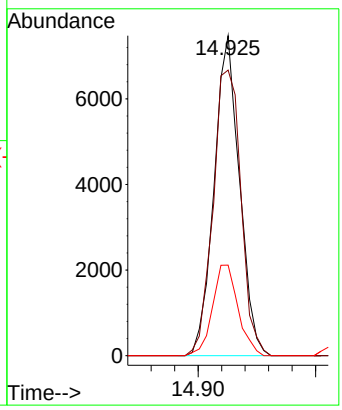


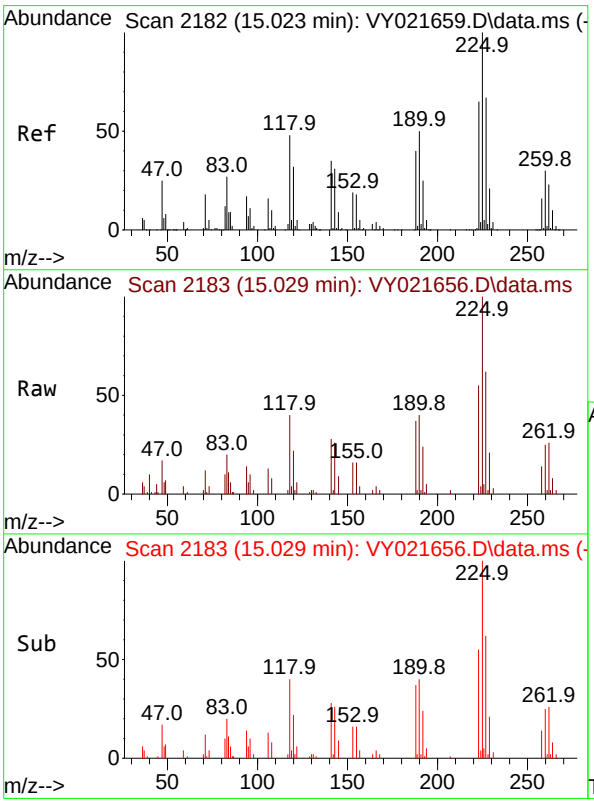
#93
1,2,4-Trichlorobenzene
Concen: 4.647 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 11228

Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.5	142.6
145	28.5	14.9	44.9

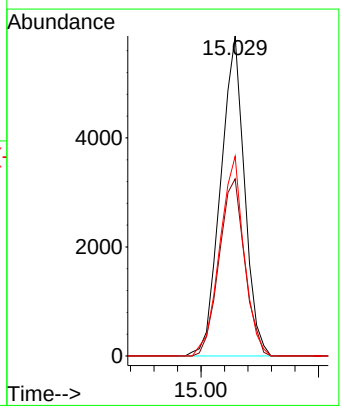


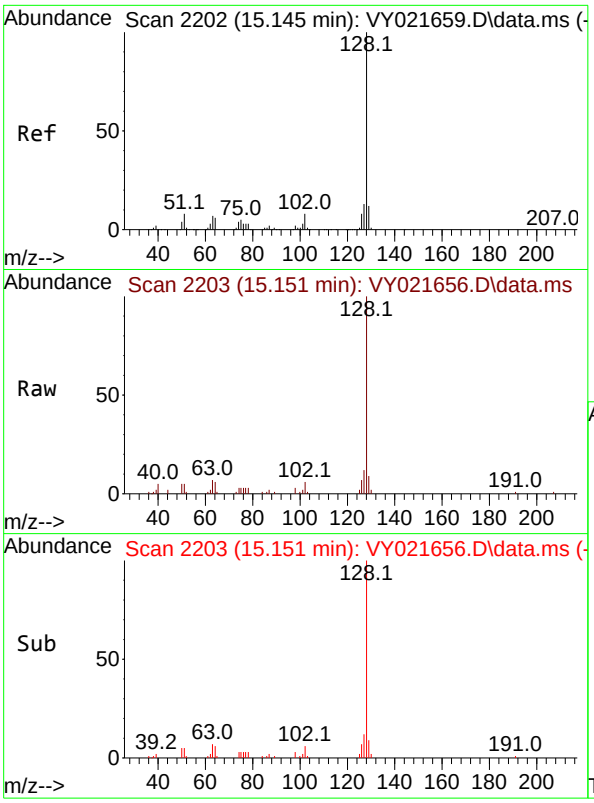


#94
Hexachlorobutadiene
Concen: 5.484 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:225 Resp: 8276

Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.9	95.7
227	63.5	32.4	97.0



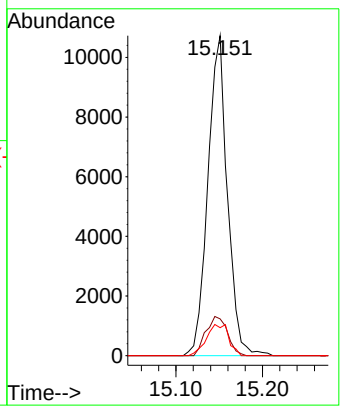


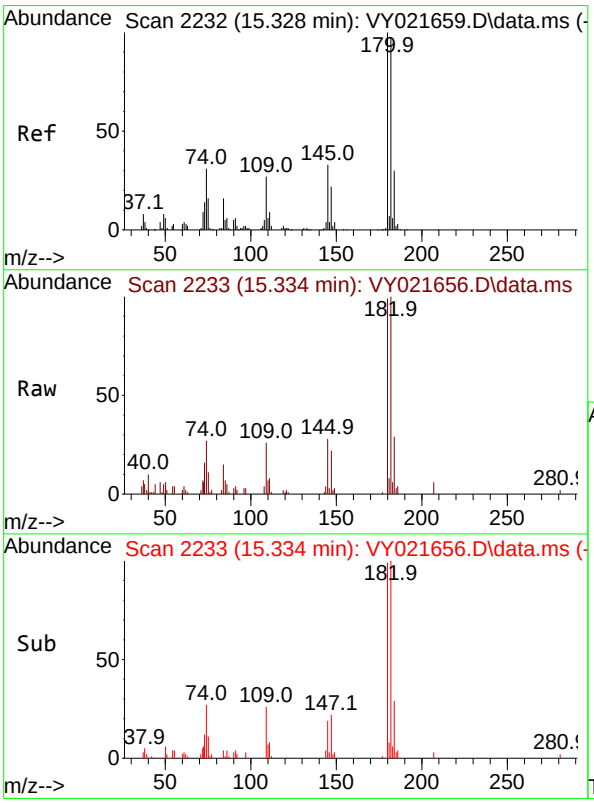
#95
Naphthalene
Concen: 4.194 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 16796

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	8.8	13.2

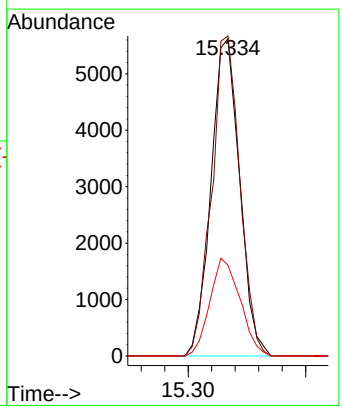




#96
1,2,3-Trichlorobenzene
Concen: 4.619 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:180 Resp: 9518

Ion	Ratio	Lower	Upper
180	100		
182	99.4	47.5	142.5
145	32.5	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.620%#		
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%#		
50) Toluene-d8	10.103	98	88000	10.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#		
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l	99
3) Chloromethane	2.068	50	34949	10.633	ug/l	99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l	96
5) Bromomethane	2.592	94	27670	10.914	ug/l	97
6) Chloroethane	2.733	64	25703	10.567	ug/l	98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l	100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l	98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l	99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l	88
13) Acrolein	3.653	56	15799	54.518	ug/l	100
14) Allyl chloride	4.379	41	39045	10.352	ug/l	97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l	98
16) Acetone	3.867	43	27669	55.329	ug/l	99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l #	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l	98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l	96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l	93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l	98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l	98
25) 2-Butanone	6.890	43	37356	52.299	ug/l	97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l	100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l	99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l	97
30) Chloroform	7.421	83	51464	10.459	ug/l	98
31) Cyclohexane	7.701	56	46569	10.798	ug/l #	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l	98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l	99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l	98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l	98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l	98
40) Benzene	8.079	78	108360	10.322	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.256	41	23709	26.988 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	31606	10.679 ug/l	100
43) Isopropyl Acetate	8.195	43	33664	10.738 ug/l #	87
44) Trichloroethene	8.866	130	28275	10.571 ug/l	95
45) 1,2-Dichloropropane	9.140	63	25943	10.440 ug/l	99
46) Dibromomethane	9.231	93	15605	10.896 ug/l	94
47) Bromodichloromethane	9.427	83	38737	10.439 ug/l	99
48) Methyl methacrylate	9.219	41	14576	10.130 ug/l	98
49) 1,4-Dioxane	9.231	88	3077	200.565 ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111 ug/l	98
52) Toluene	10.170	92	66889	10.212 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186 ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879 ug/l	95
56) Ethyl methacrylate	10.439	69	21901	9.307 ug/l	96
57) 1,3-Dichloropropane	10.713	76	33316	10.467 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274 ug/l	98
59) 2-Hexanone	10.762	43	54649	50.295 ug/l	100
60) Dibromochloromethane	10.914	129	26032	10.346 ug/l	94
61) 1,2-Dibromoethane	11.018	107	17722	10.251 ug/l	97
64) Tetrachloroethene	10.646	164	31334	11.036 ug/l	93
65) Chlorobenzene	11.444	112	73433	10.276 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060 ug/l	97
67) Ethyl Benzene	11.518	91	119480	9.750 ug/l	98
68) m/p-Xylenes	11.627	106	93887	20.009 ug/l	99
69) o-Xylene	11.957	106	41768	9.643 ug/l	98
70) Styrene	11.969	104	69196	9.581 ug/l	99
71) Bromoform	12.127	173	14887	10.294 ug/l #	98
73) Isopropylbenzene	12.255	105	112512	9.966 ug/l	100
74) N-amyl acetate	12.072	43	26259	9.910 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781 ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28958	19.219 ug/l #	100
77) Bromobenzene	12.530	156	27648	10.199 ug/l	98
78) n-propylbenzene	12.597	91	135498	9.983 ug/l	99
79) 2-Chlorotoluene	12.682	91	80079	10.158 ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550 ug/l	99
82) 4-Chlorotoluene	12.780	91	83484	10.157 ug/l	100
83) tert-Butylbenzene	12.999	119	81296	9.892 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884 ug/l	100
85) sec-Butylbenzene	13.176	105	121575	10.122 ug/l	99
86) p-Isopropyltoluene	13.292	119	97092	9.781 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336 ug/l	95
89) n-Butylbenzene	13.615	91	89162	9.712 ug/l	98
90) Hexachloroethane	13.877	117	21881	10.059 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766 ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419 ug/l	99
94) Hexachlorobutadiene	15.023	225	15844	10.063 ug/l	99
95) Naphthalene	15.145	128	36711	8.785 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

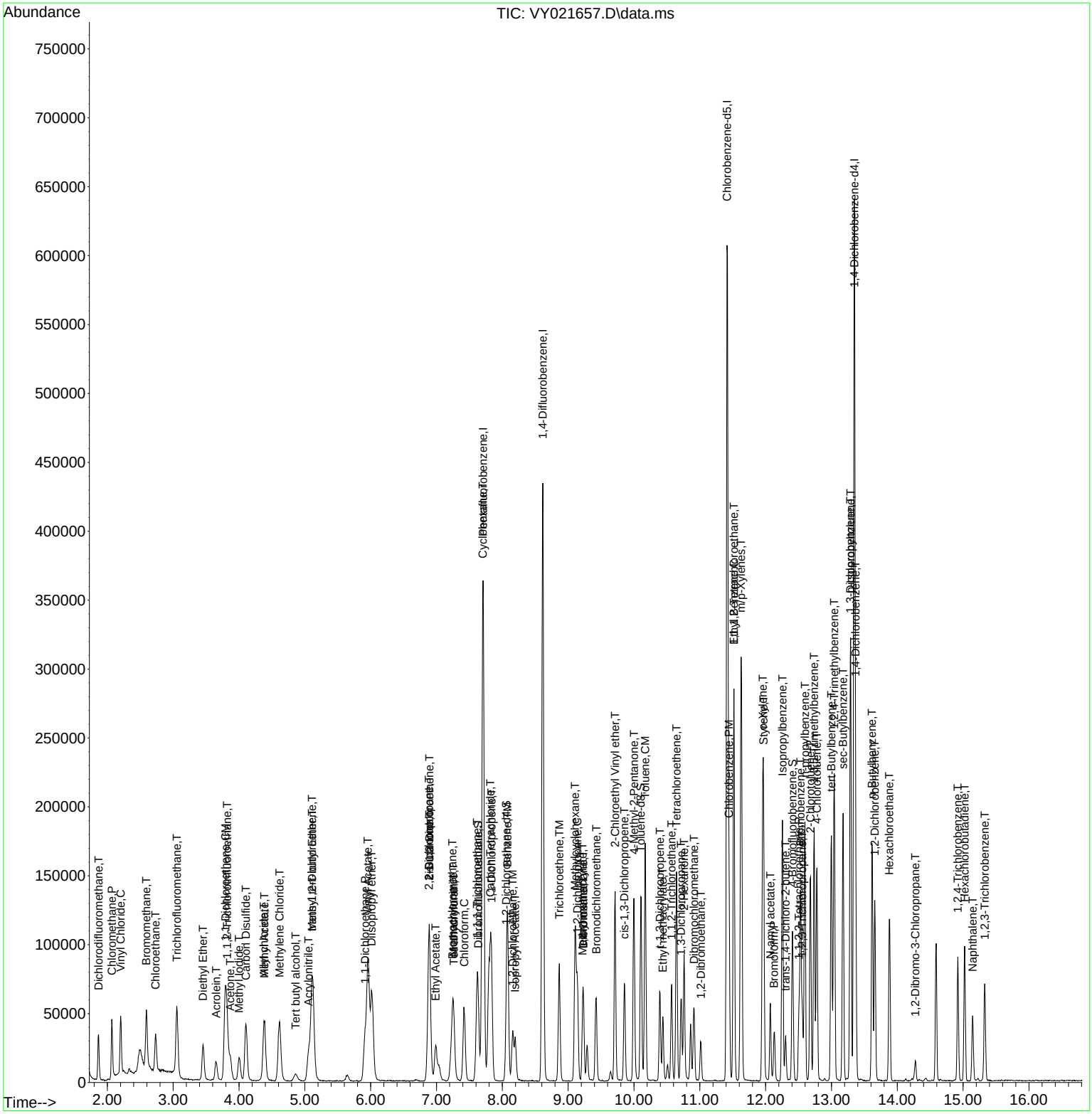
(#) = qualifier out of range (m) = manual integration (+) = signals summed

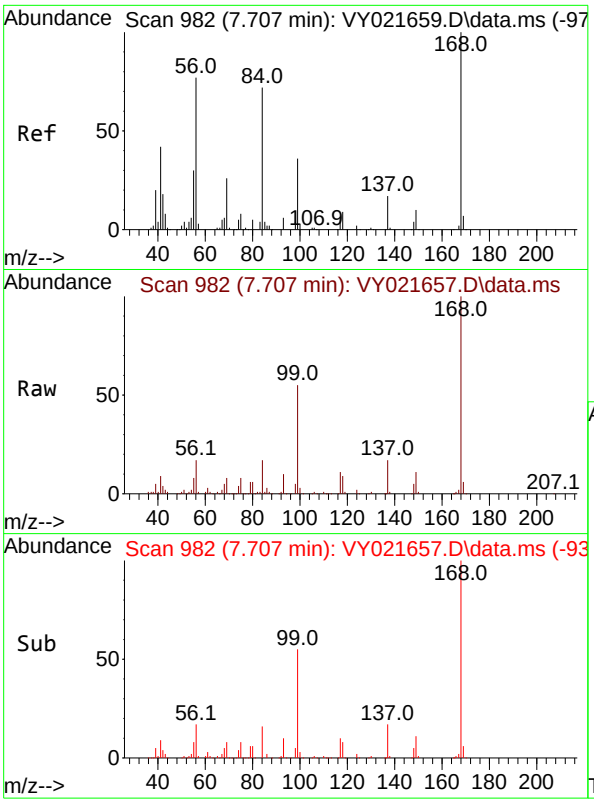
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
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: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration



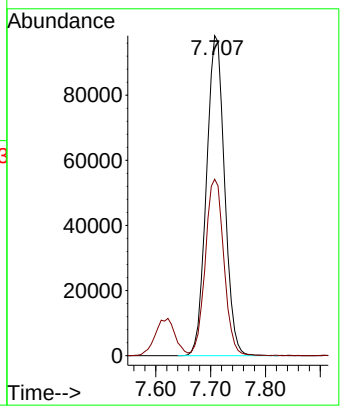


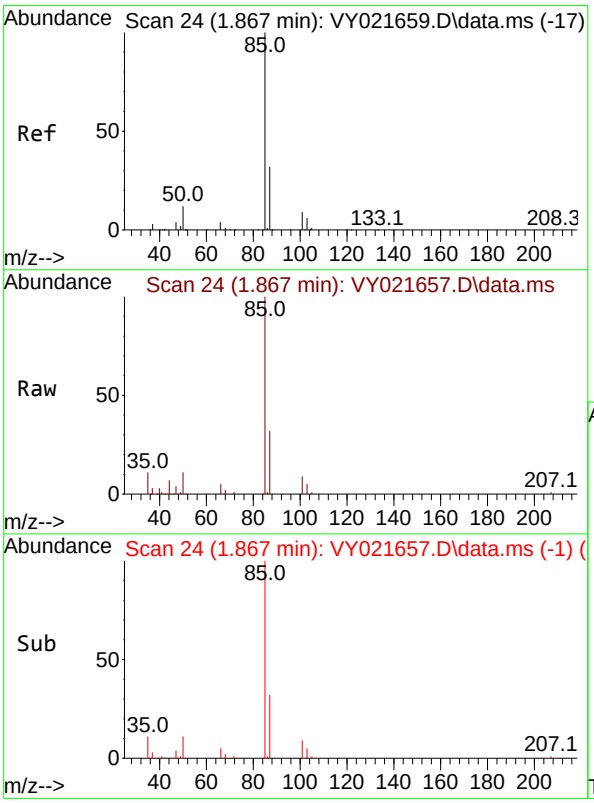
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 225523

Ion	Ratio	Lower	Upper
168	100		
99	55.1	46.7	70.1

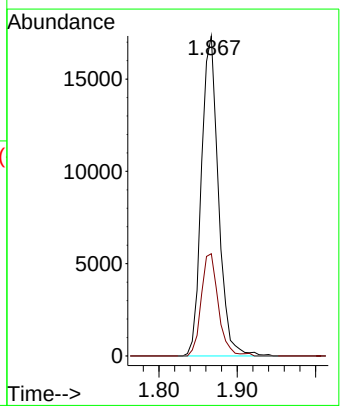


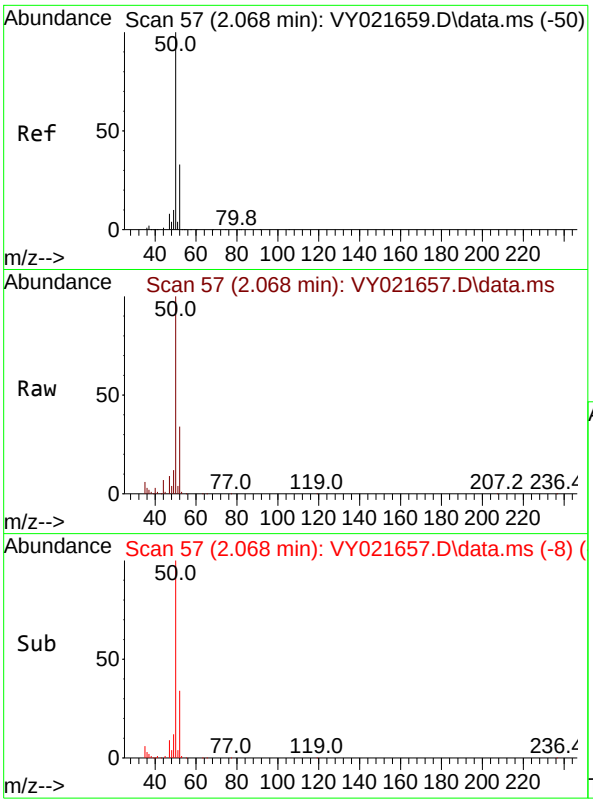


#2
Dichlorodifluoromethane
Concen: 11.130 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 85 Resp: 26017

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6



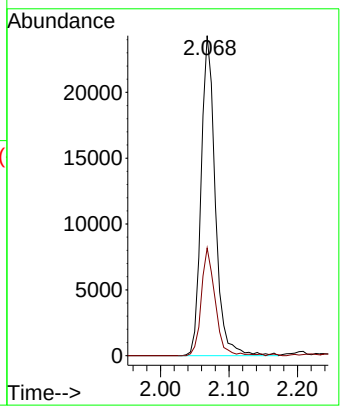


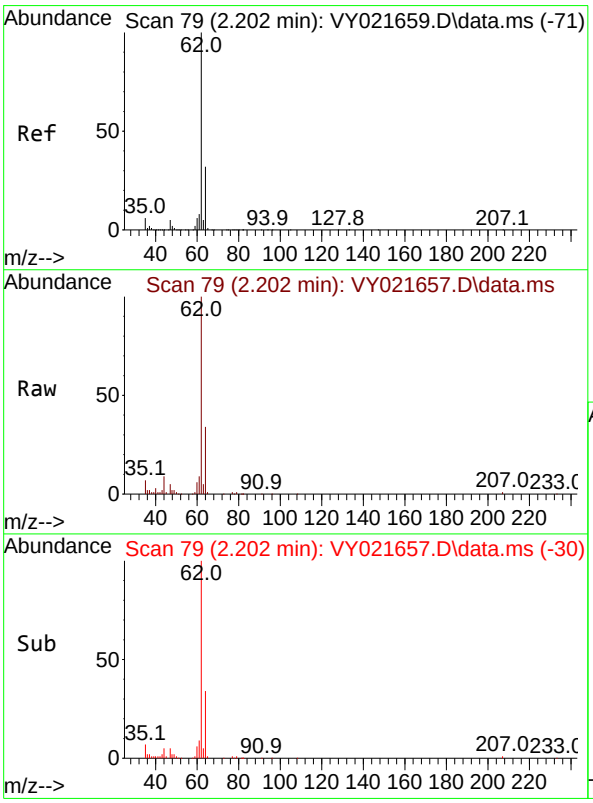
#3
Chloromethane
Concen: 10.633 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 34949

Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.3	39.5

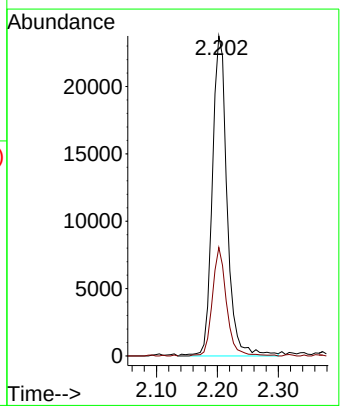


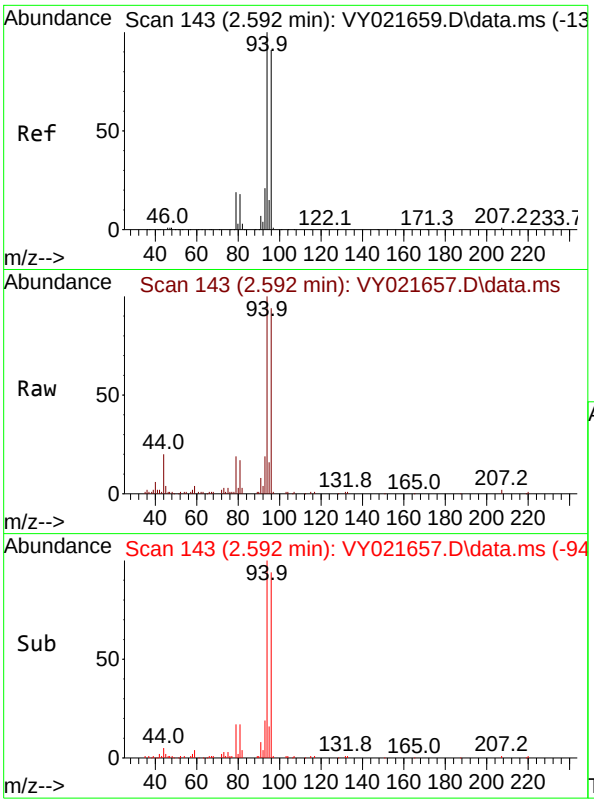


#4
Vinyl Chloride
Concen: 10.756 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 39982

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.5	38.3



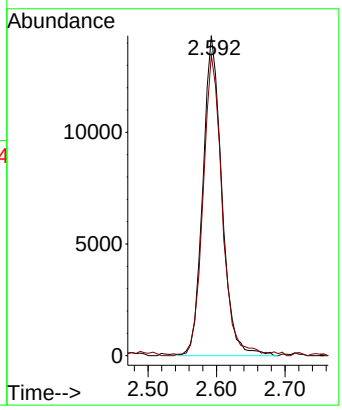


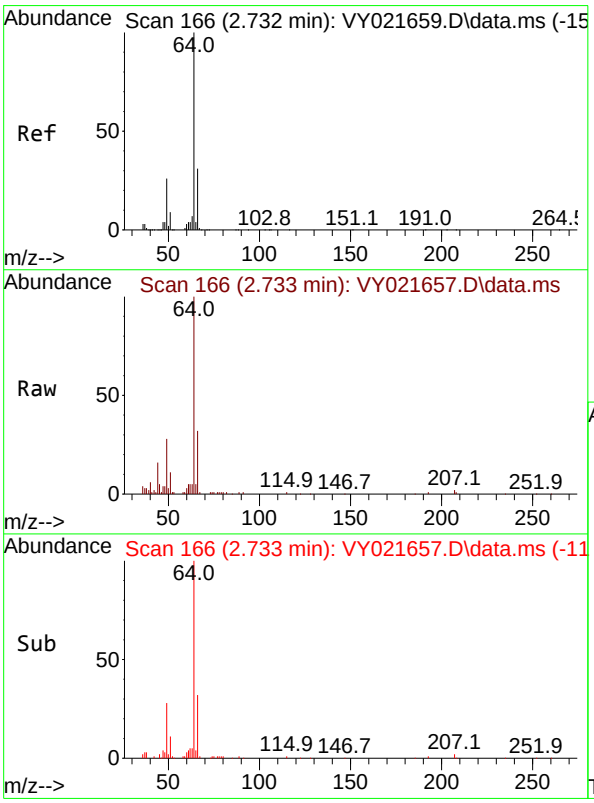
#5
Bromomethane
Concen: 10.914 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 27670

Ion	Ratio	Lower	Upper
94	100		
96	93.4	72.8	109.2

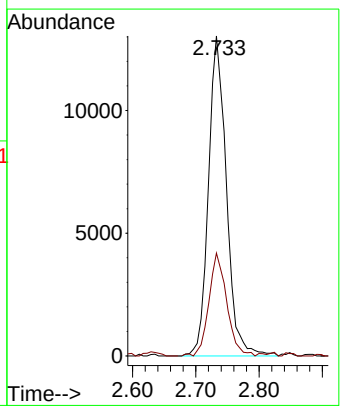


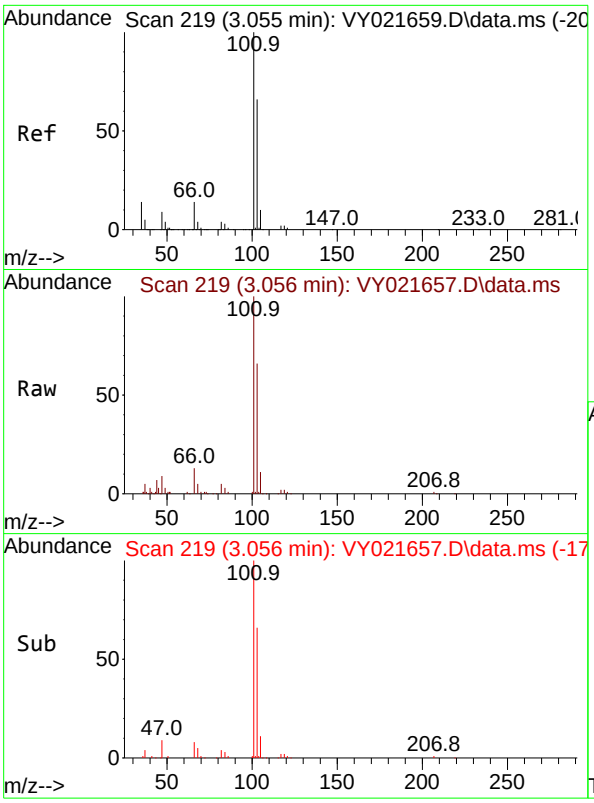


#6
Chloroethane
Concen: 10.567 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 64 Resp: 25703

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.9	37.3



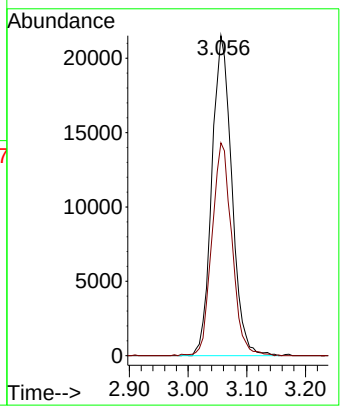


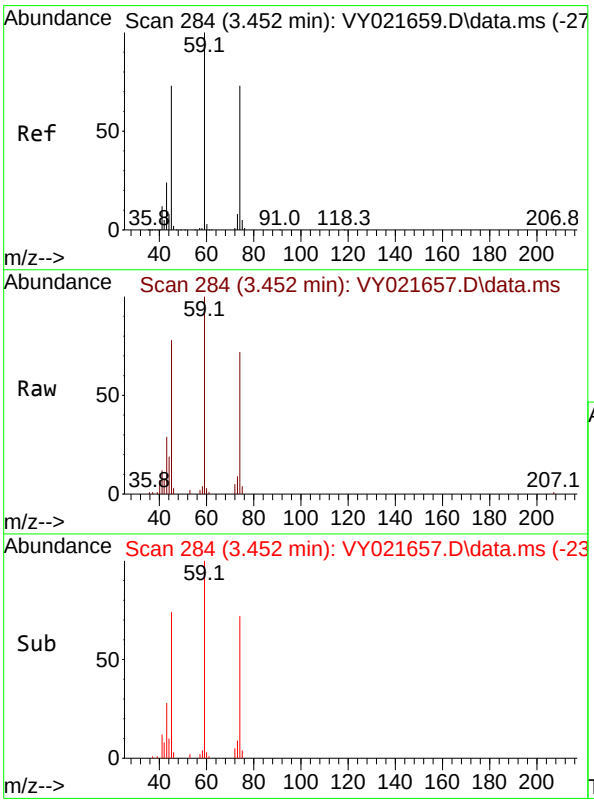
#7
Trichlorofluoromethane
Concen: 10.650 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 50711

Ion	Ratio	Lower	Upper
101	100		
103	66.5	53.1	79.7

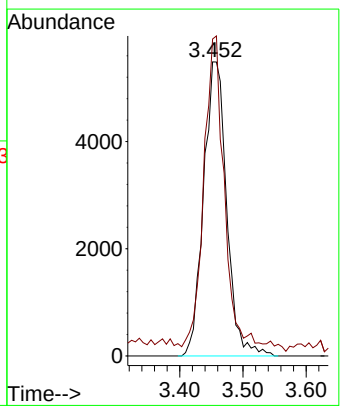


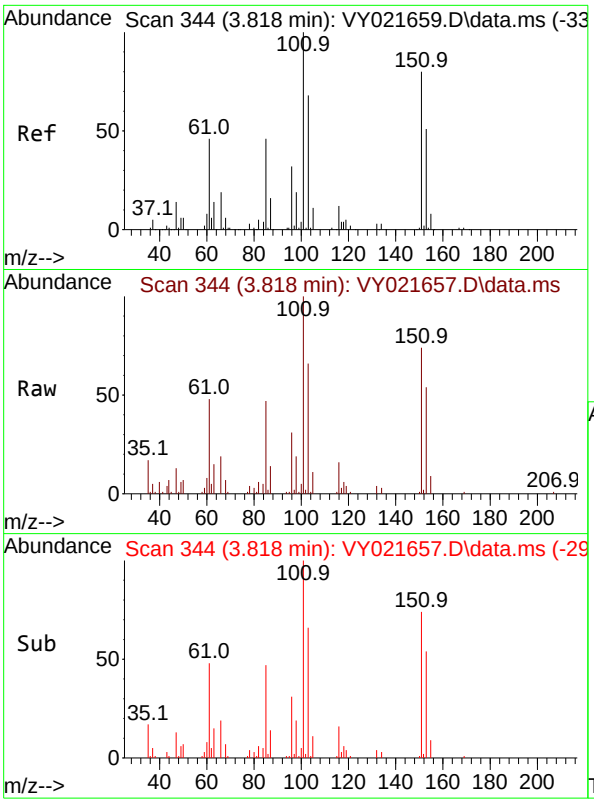


#8
Diethyl Ether
Concen: 10.765 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 74 Resp: 13940

Ion	Ratio	Lower	Upper
74	100		
45	92.0	48.6	145.8



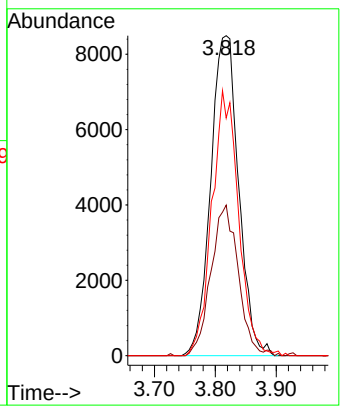


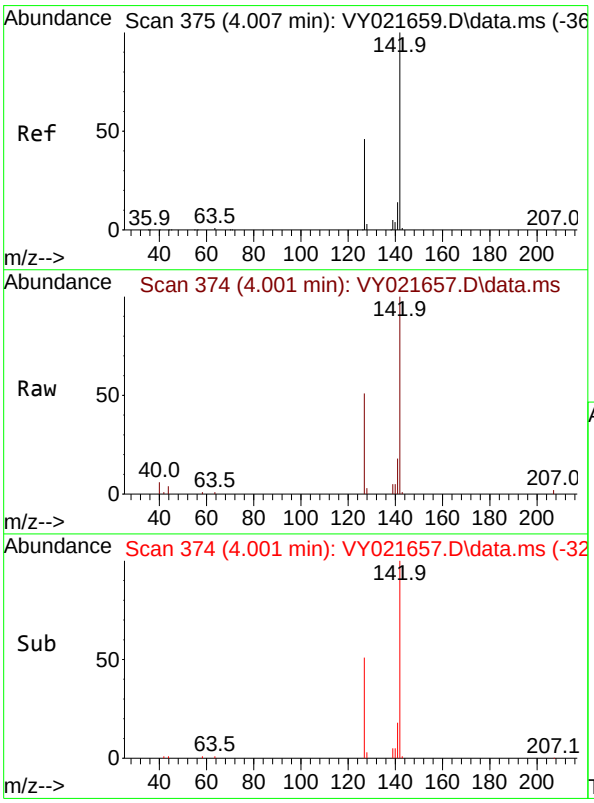
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.786 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 27088

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	79.0	61.3	91.9

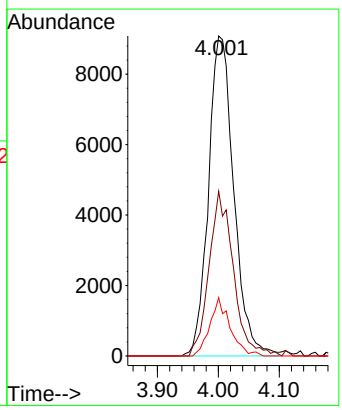


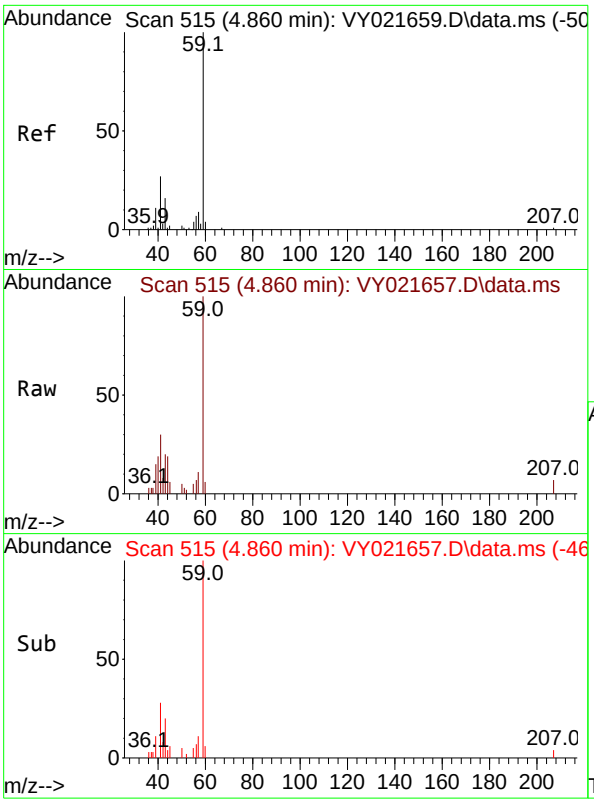


#10
Methyl Iodide
Concen: 9.507 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:142 Resp: 26193

Ion	Ratio	Lower	Upper
142	100		
127	49.4	38.7	58.1
141	14.6	11.5	17.3



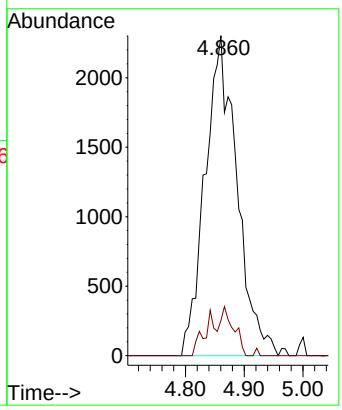


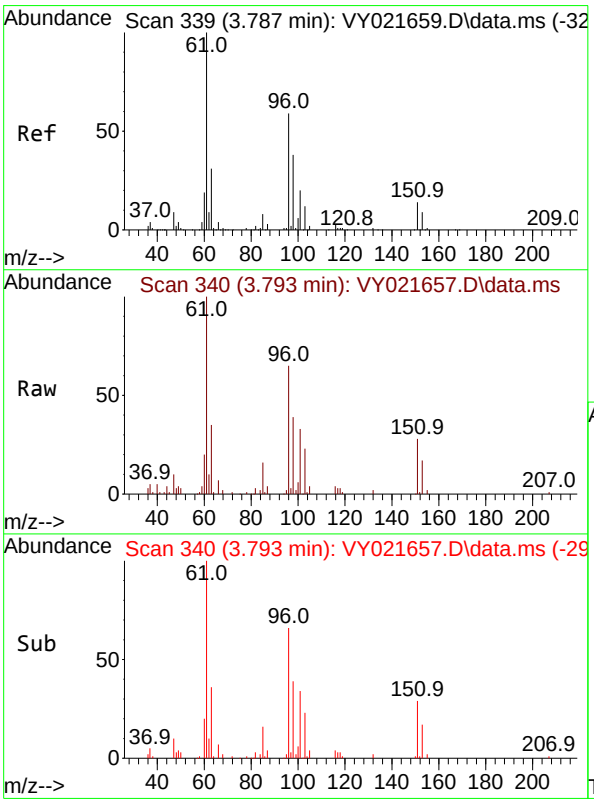
#11
Tert butyl alcohol
Concen: 54.634 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 8671

Ion	Ratio	Lower	Upper
59	100		
57	6.3	9.2	13.8#

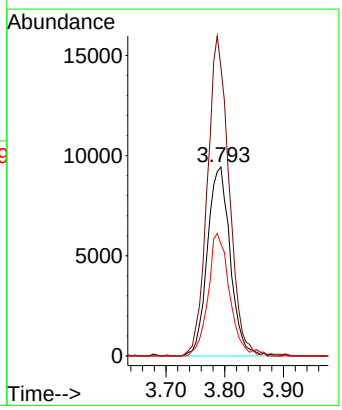


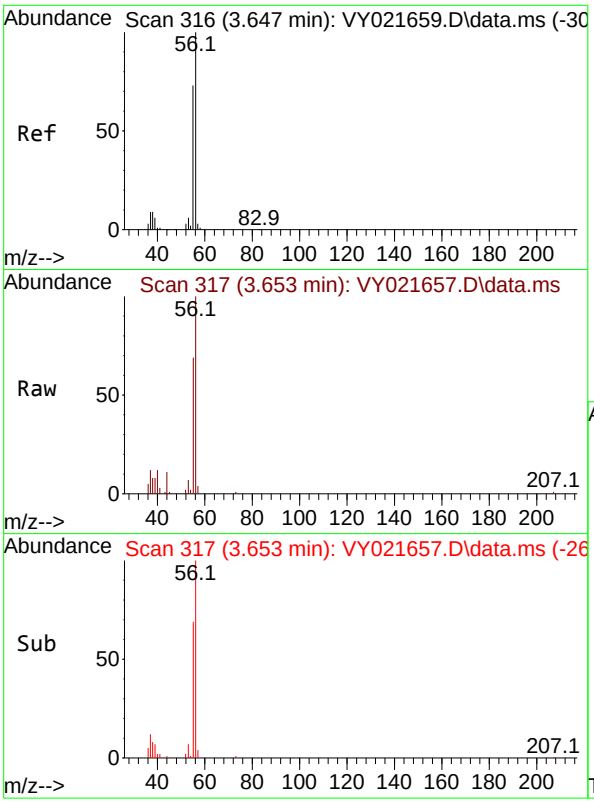


#12
1,1-Dichloroethene
Concen: 10.757 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 25446

Ion	Ratio	Lower	Upper
96	100		
61	152.8	136.6	204.8
98	59.2	52.3	78.5



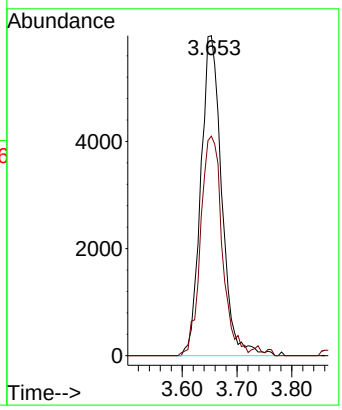


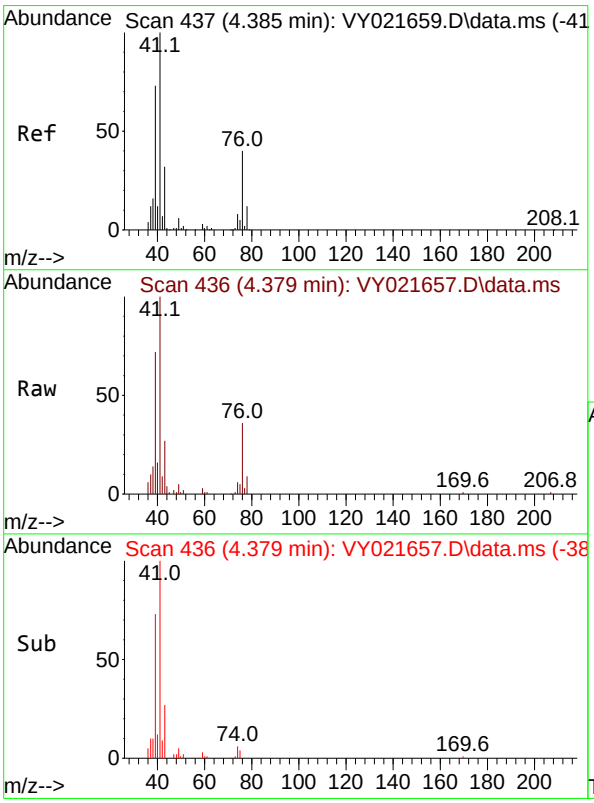
#13
Acrolein
Concen: 54.518 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 15799

Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.6	85.0

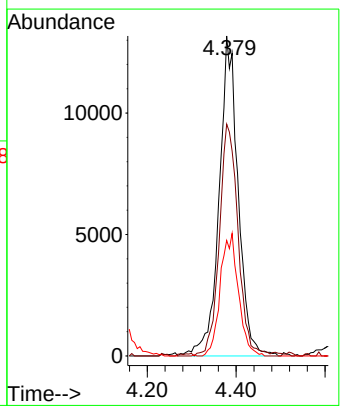


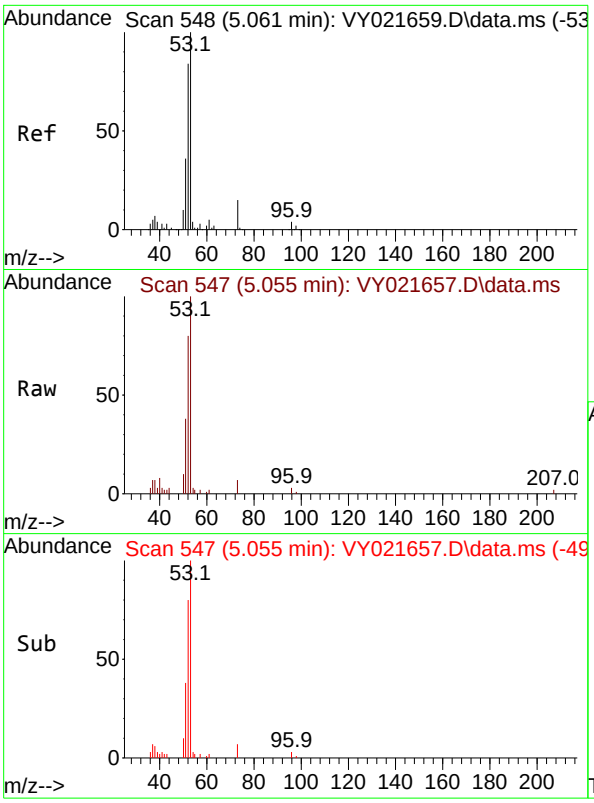


#14
Allyl chloride
Concen: 10.352 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 39045

Ion	Ratio	Lower	Upper
41	100		
39	71.1	58.6	88.0
76	36.4	30.3	45.5



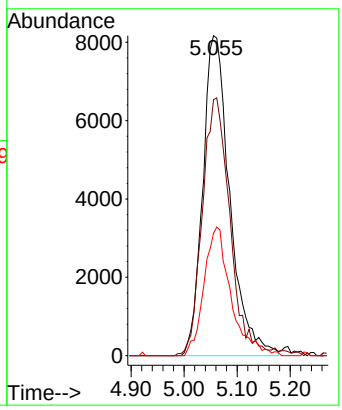


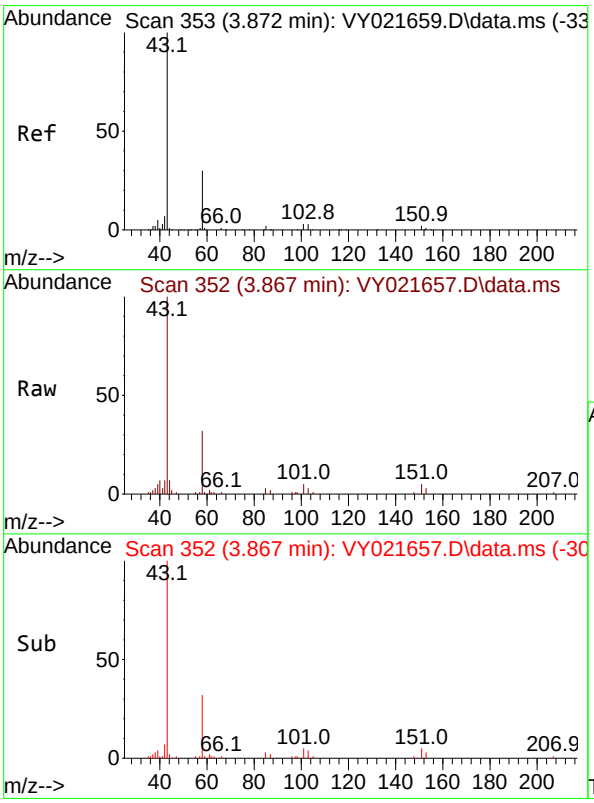
#15
Acrylonitrile
Concen: 53.389 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 28866

Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	40.1	30.2	45.2

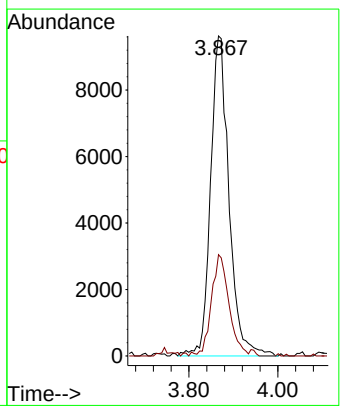


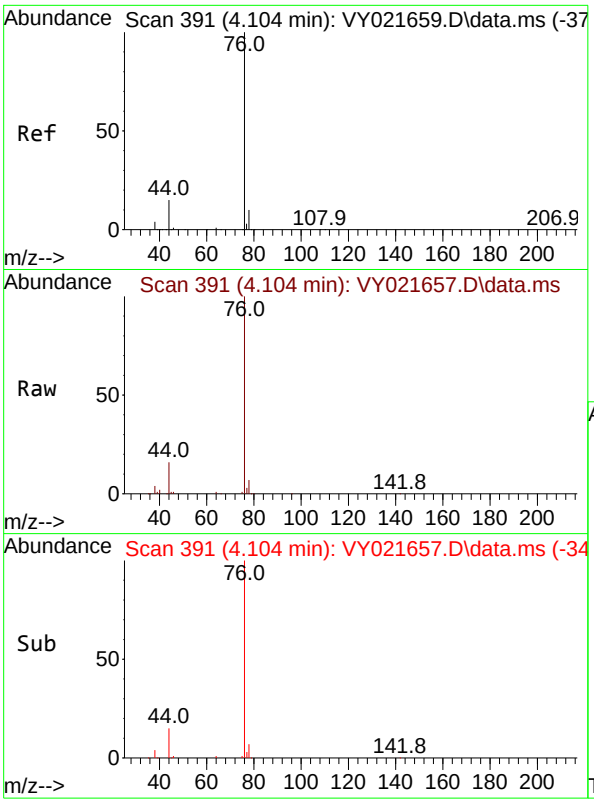


#16
Acetone
Concen: 55.329 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 27669

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.4



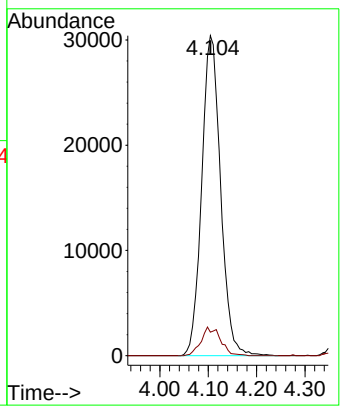


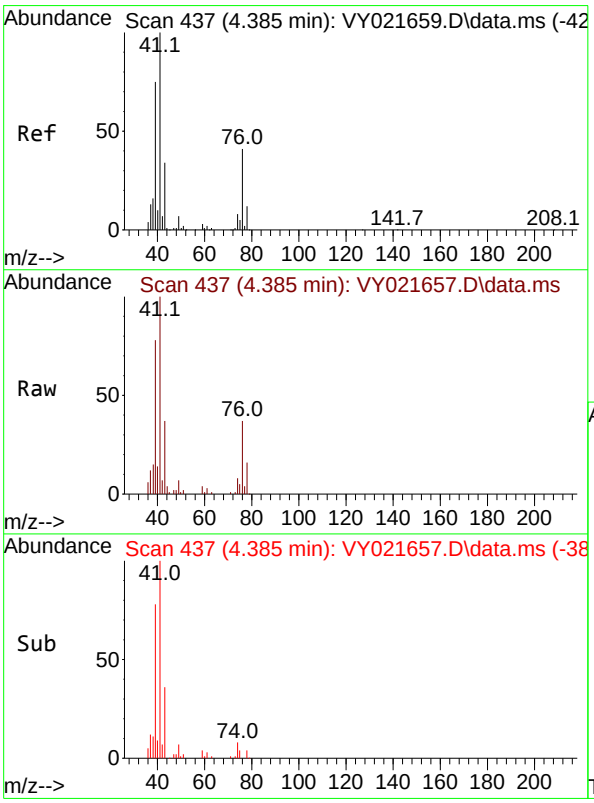
#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 82458

Ion	Ratio	Lower	Upper
76	100		
78	7.3	7.6	11.4#

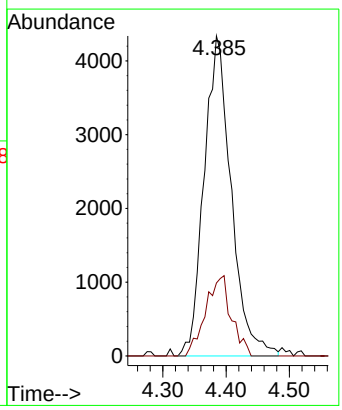


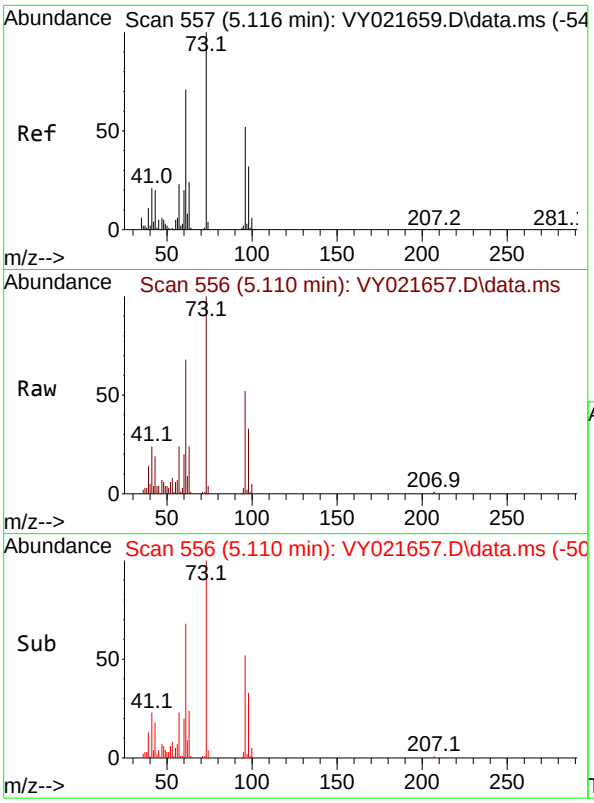


#18
Methyl Acetate
Concen: 10.417 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 12911

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.1	28.7



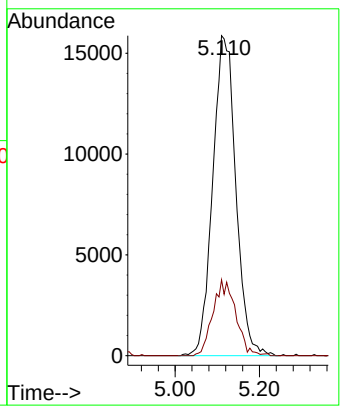


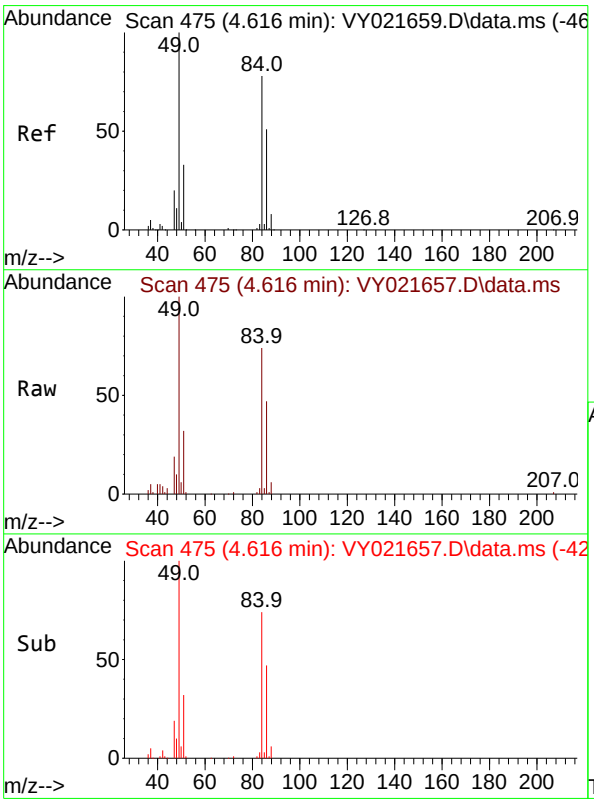
#19
Methyl tert-butyl Ether
Concen: 10.223 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 60205

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.1	27.1

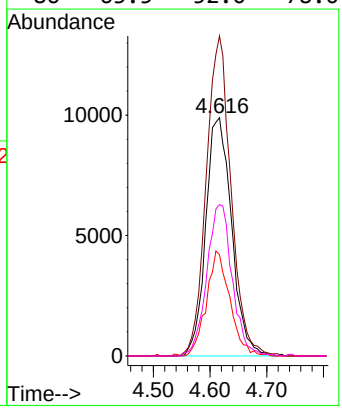


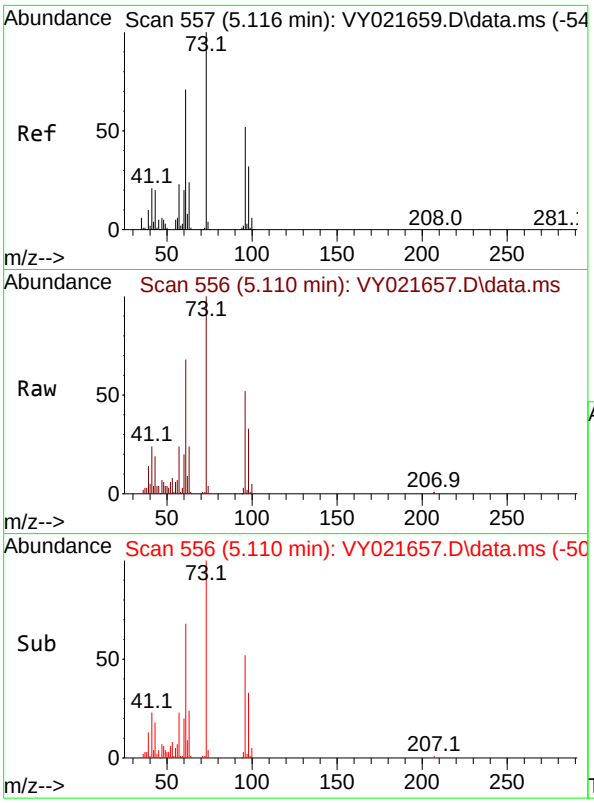


#20
Methylene Chloride
Concen: 9.677 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 84 Resp: 31313

Ion	Ratio	Lower	Upper
84	100		
49	134.3	102.8	154.2
51	42.5	33.5	50.3
86	63.5	52.0	78.0



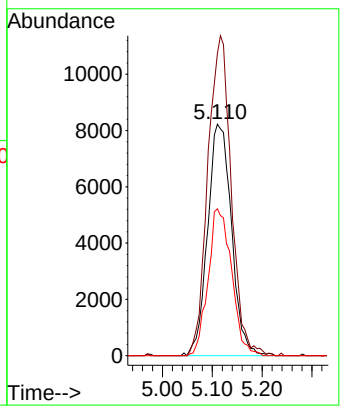


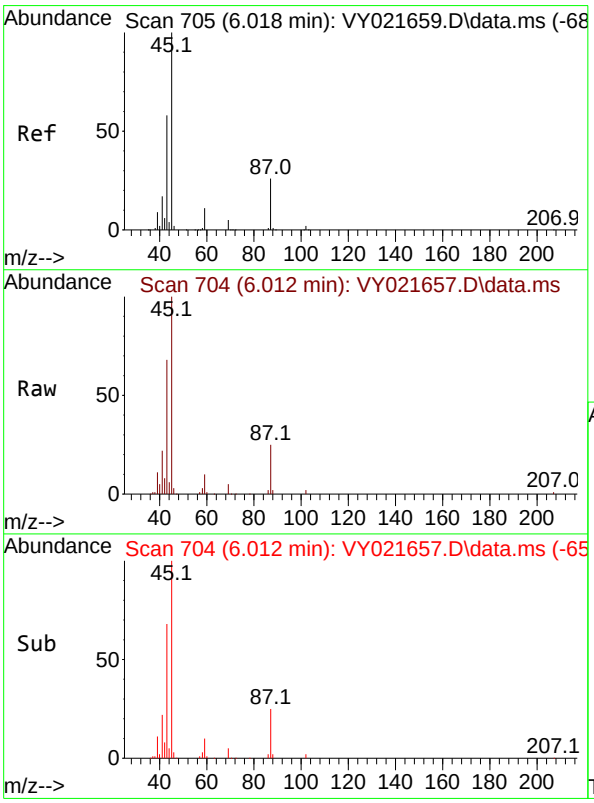
#21
trans-1,2-Dichloroethene
Concen: 10.523 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 27407

Ion	Ratio	Lower	Upper
96	100		
61	130.5	109.4	164.0
98	63.5	50.2	75.2

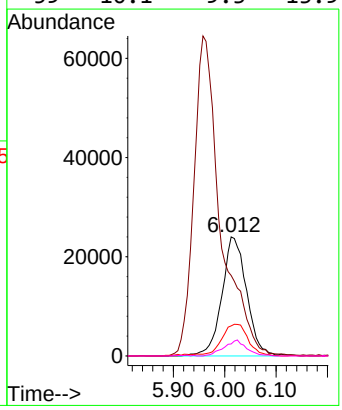


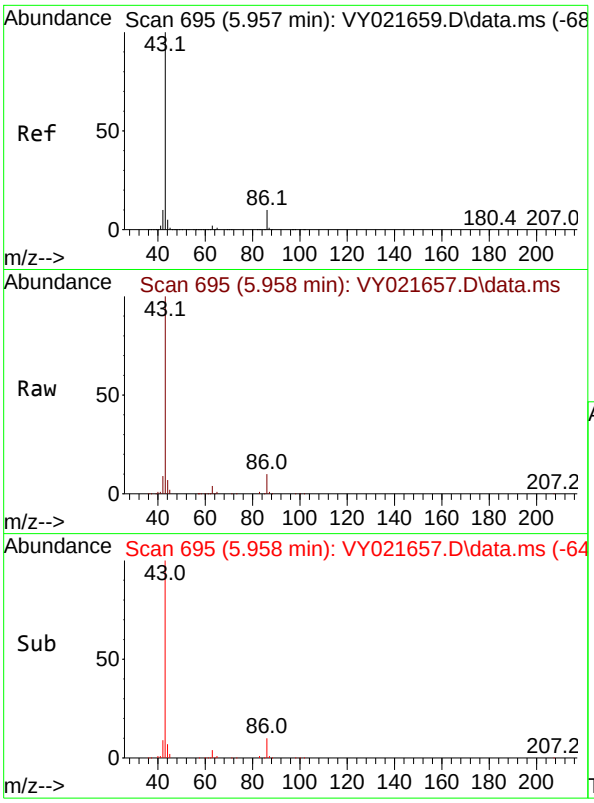


#22
Diisopropyl ether
Concen: 10.095 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 45 Resp: 79874

Ion	Ratio	Lower	Upper
45	100		
43	66.0	46.6	69.8
87	24.9	20.7	31.1
59	10.1	9.3	13.9



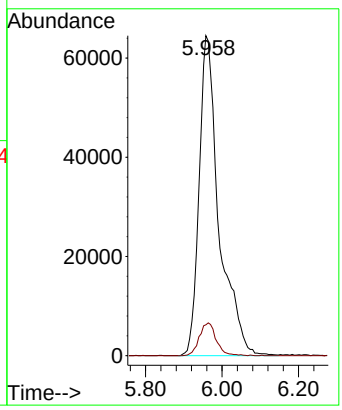


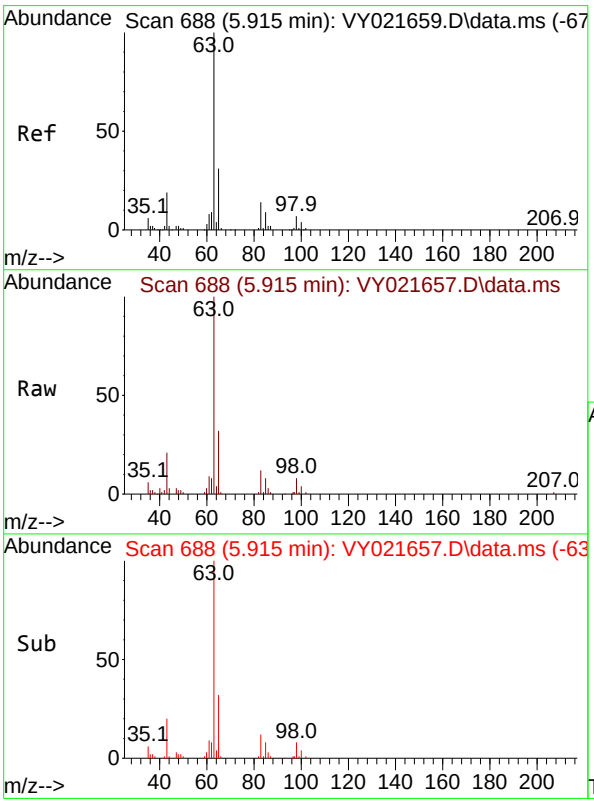
#23
Vinyl Acetate
Concen: 50.469 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 233596

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.2	12.2

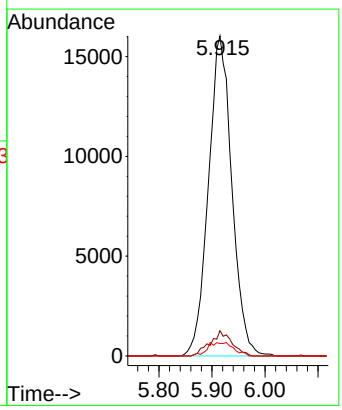


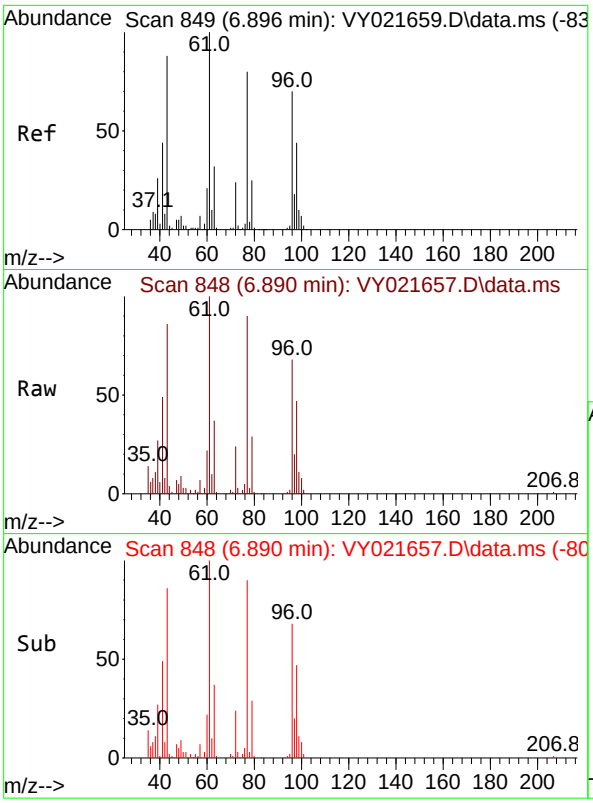


#24
1,1-Dichloroethane
Concen: 10.403 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 49217

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.5
100	3.9	2.2	6.6



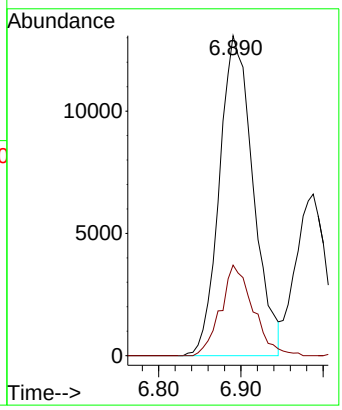


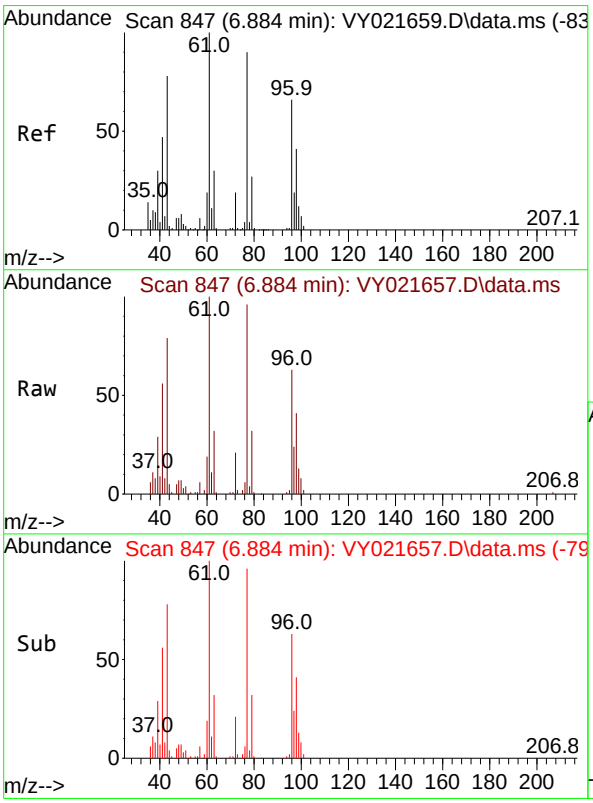
#25
2-Butanone
Concen: 52.299 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 37356

Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.4	32.2

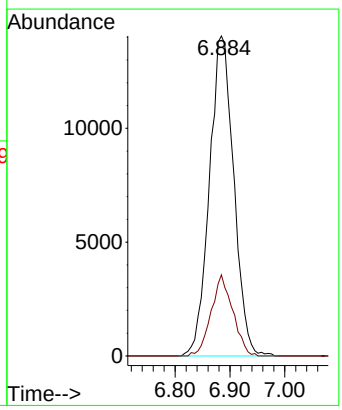


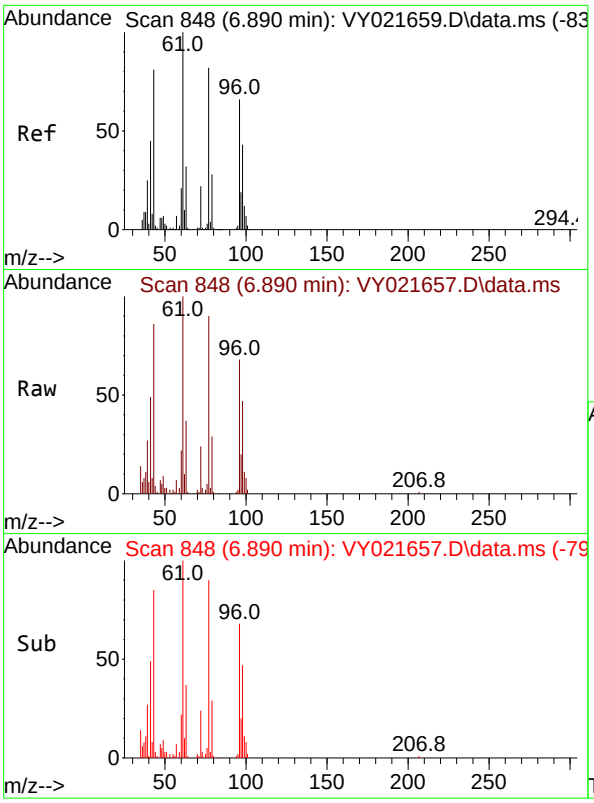


#26
2,2-Dichloropropane
Concen: 10.316 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 77 Resp: 43412

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.1	33.1



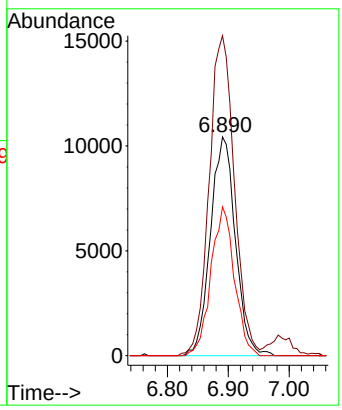


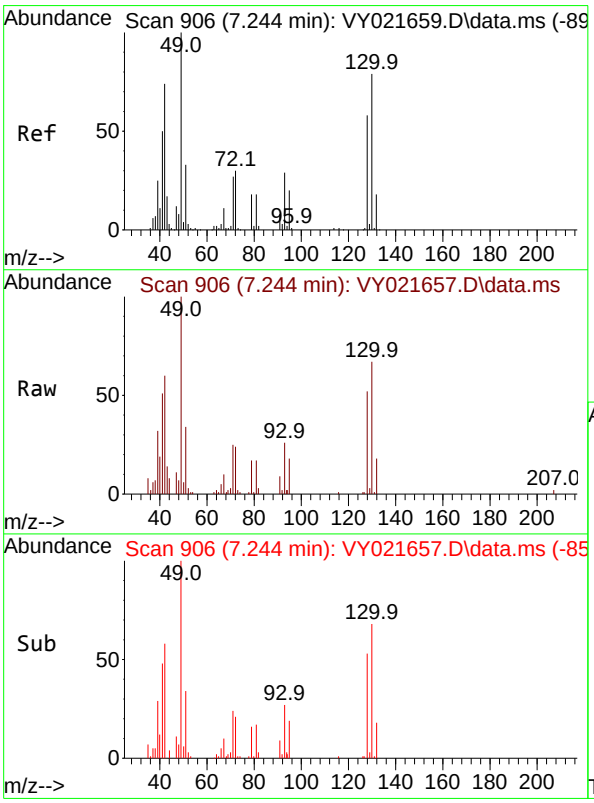
#27
cis-1,2-Dichloroethene
Concen: 10.140 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 29699

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	296.4
98	63.9	0.0	128.0

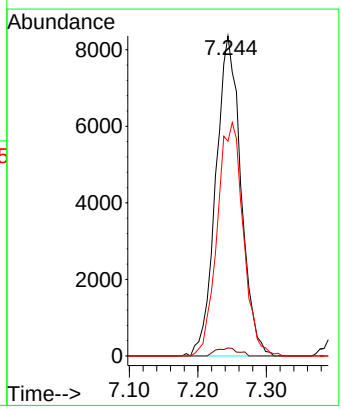


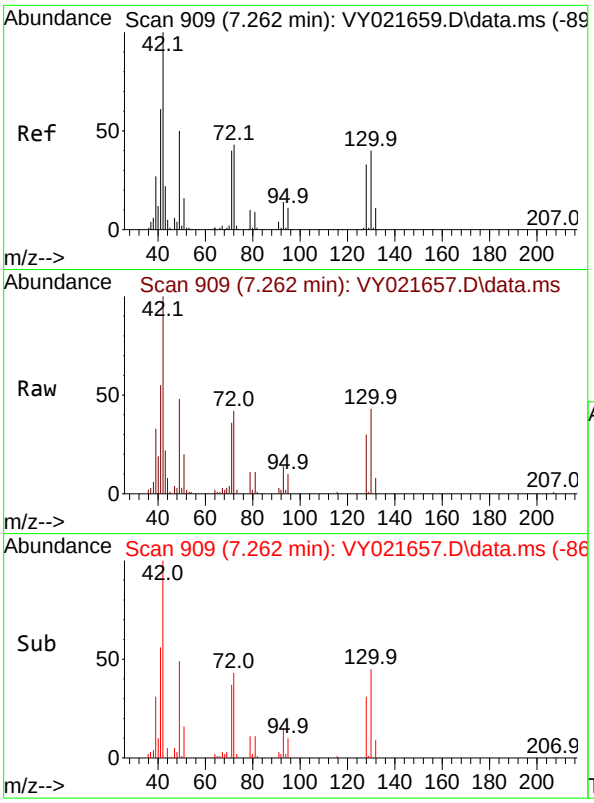


#28
Bromochloromethane
Concen: 10.618 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 49 Resp: 21186

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.9	60.1	90.1



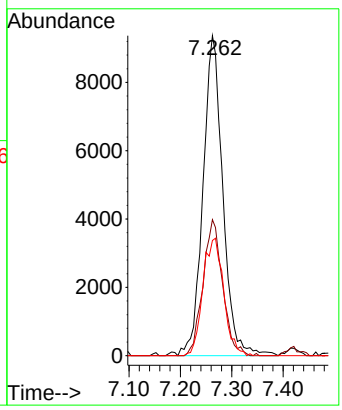


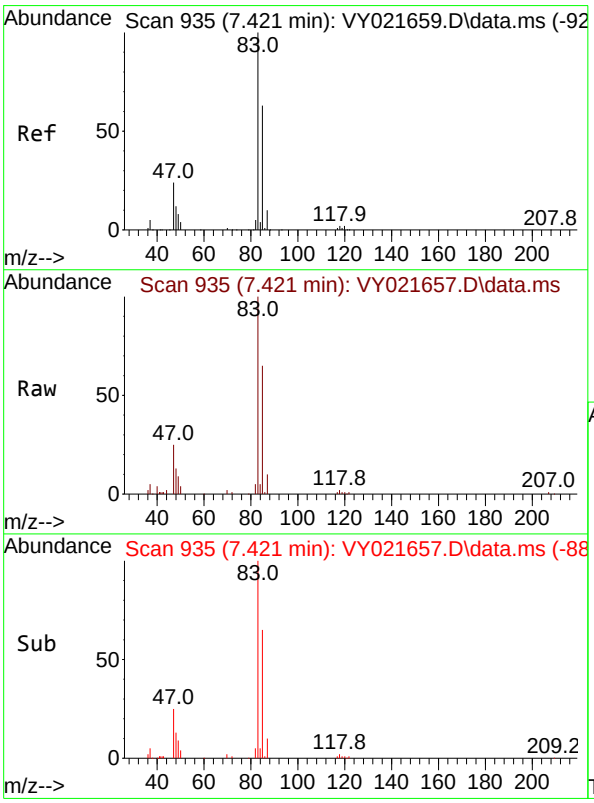
#29
Tetrahydrofuran
Concen: 54.625 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 25111

Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.6	52.0
71	38.5	32.5	48.7

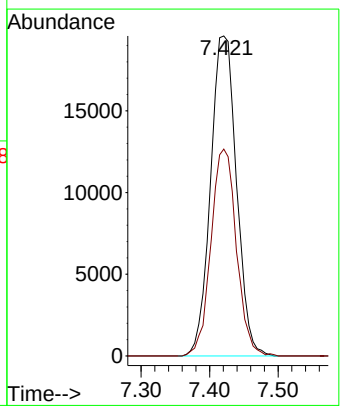


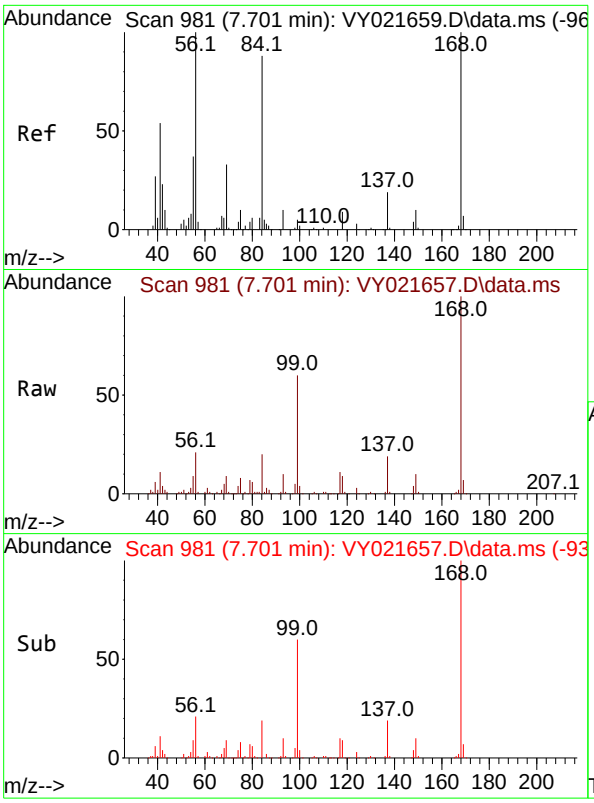


#30
Chloroform
Concen: 10.459 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 83 Resp: 51464

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8



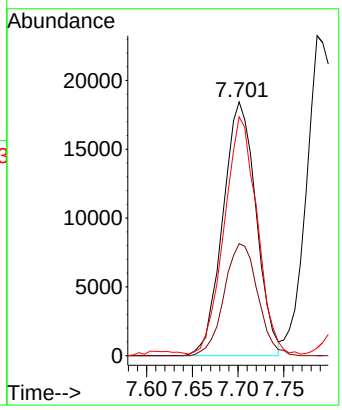


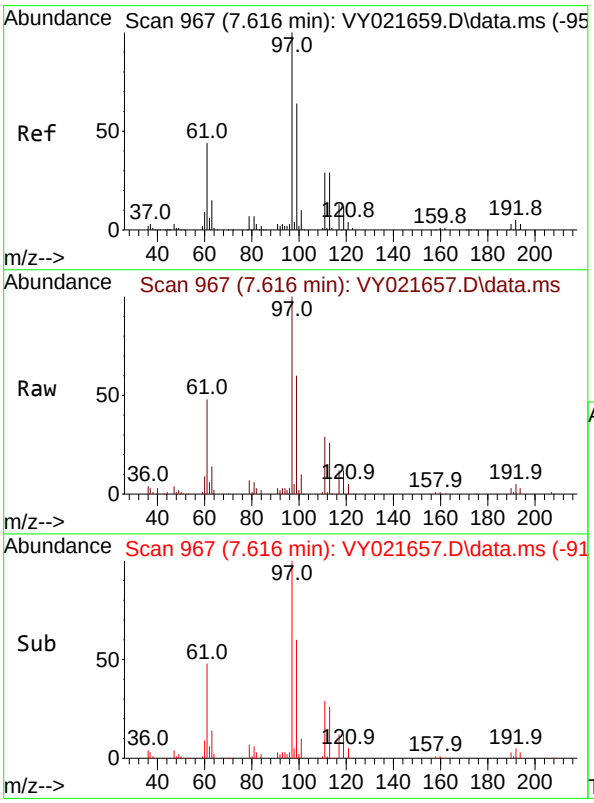
#31
Cyclohexane
Concen: 10.798 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 46569

Ion	Ratio	Lower	Upper
56	100		
69	44.1	26.6	40.0#
84	92.8	69.0	103.4

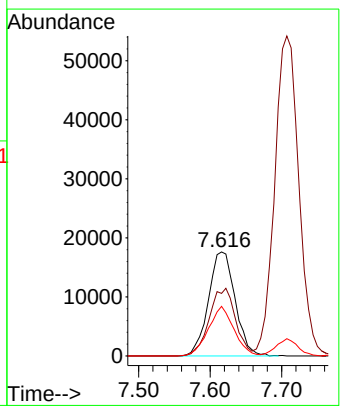


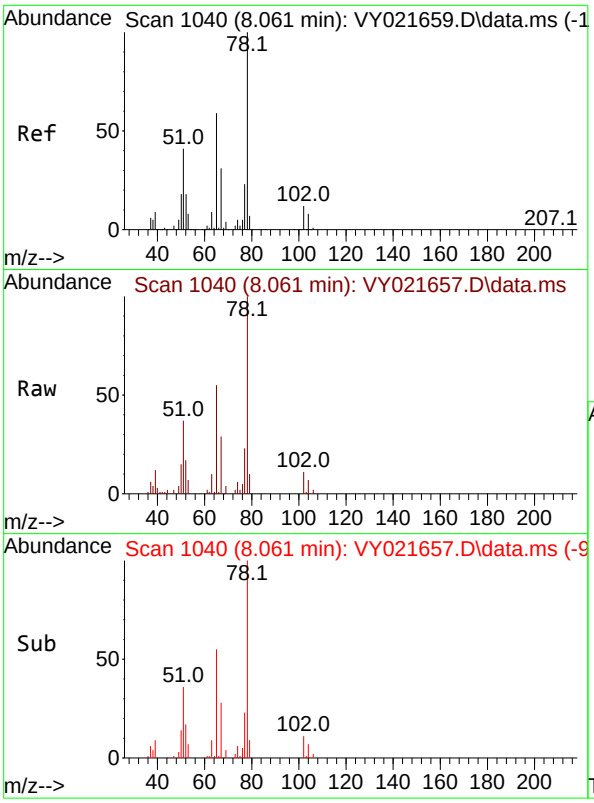


#32
1,1,1-Trichloroethane
Concen: 10.270 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 97 Resp: 45673

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.7	76.1
61	45.8	35.2	52.8



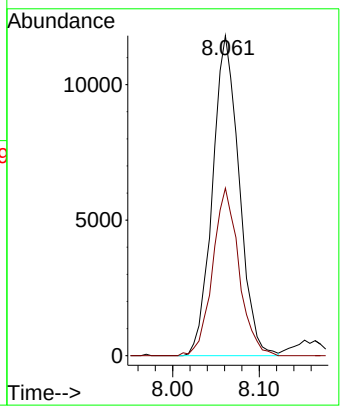


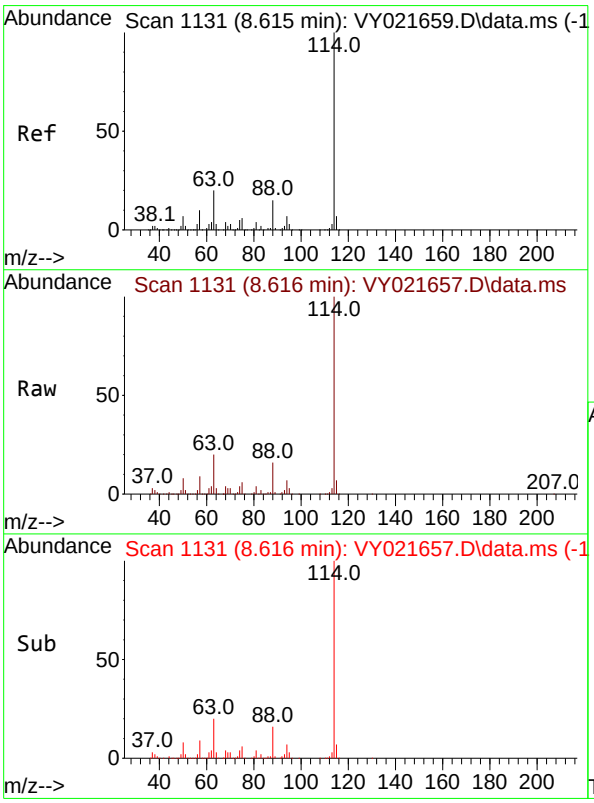
#33
1,2-Dichloroethane-d4
Concen: 10.311 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 25195

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6

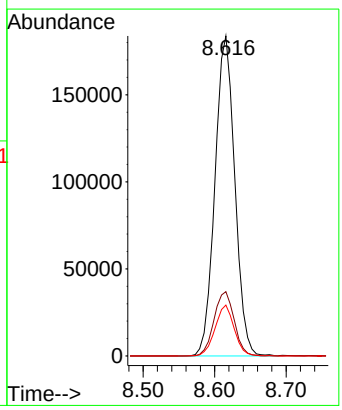


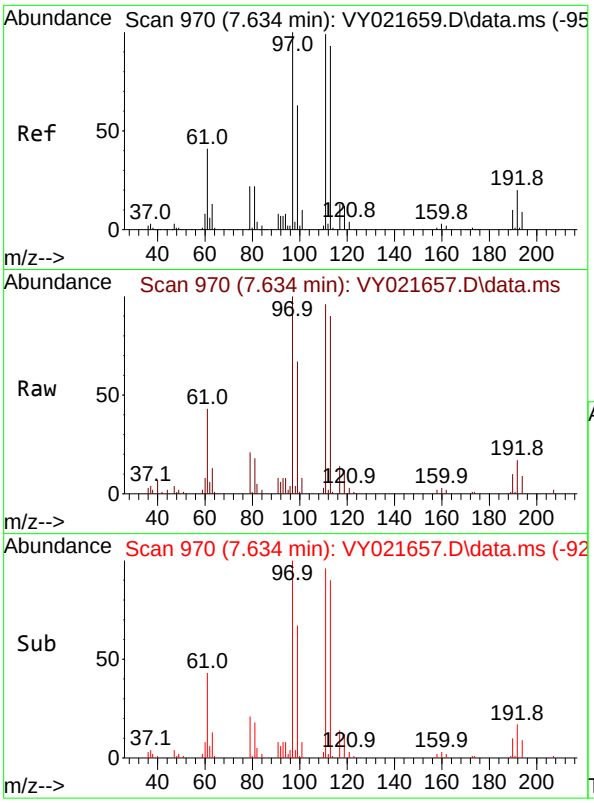


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:114 Resp: 354785

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.9	0.0	29.8



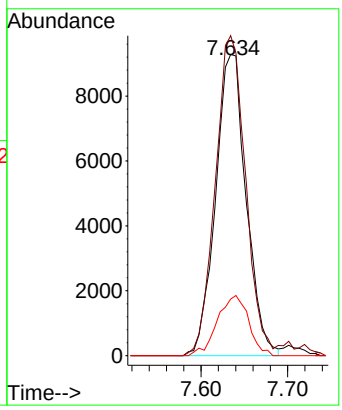


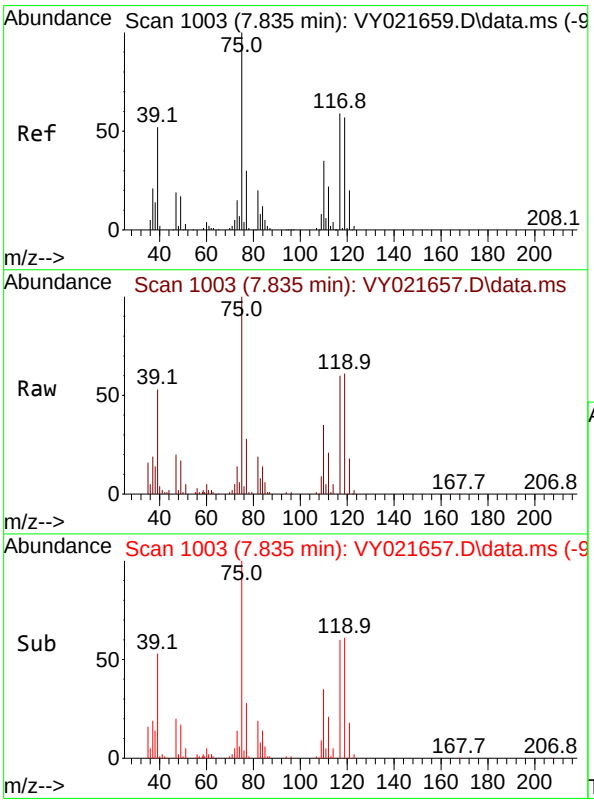
#35
Dibromofluoromethane
Concen: 9.906 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 22797

Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.6	123.8
192	20.4	16.2	24.4

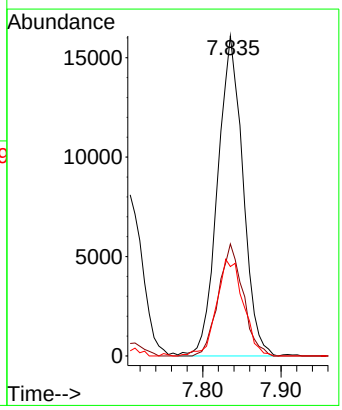


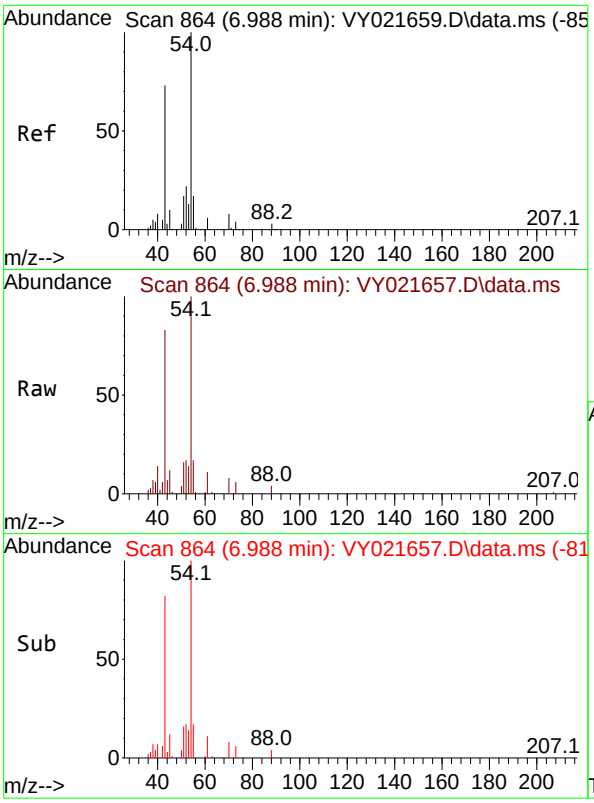


#36
1,1-Dichloropropene
Concen: 10.304 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 36121

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	32.0	24.8	37.2



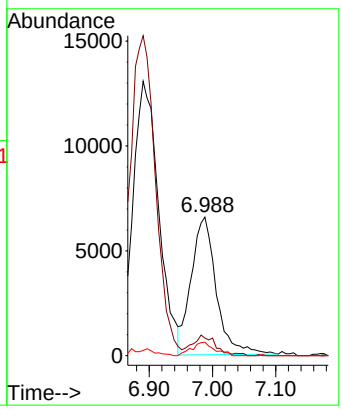


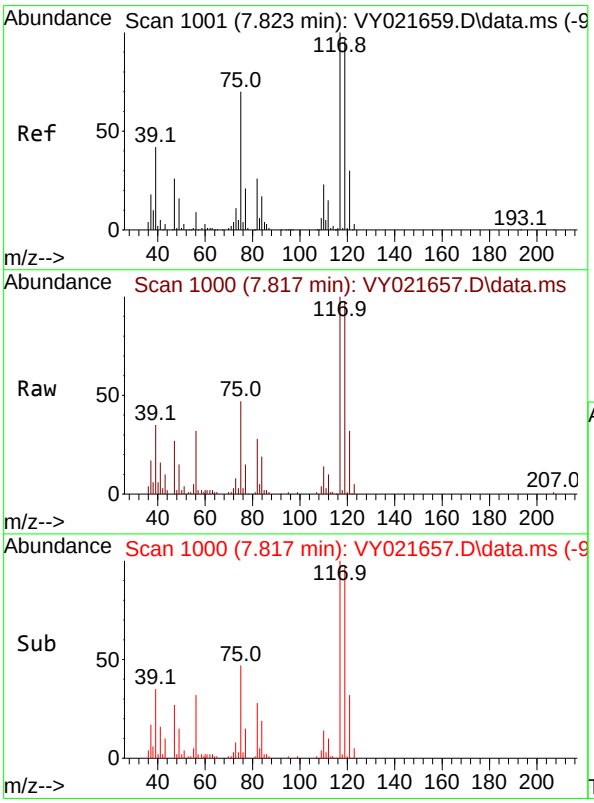
#37
Ethyl Acetate
Concen: 10.969 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 18146

Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	8.8	8.1	12.1

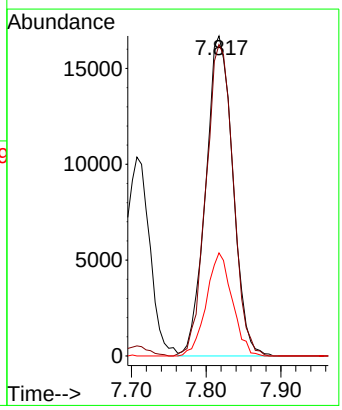


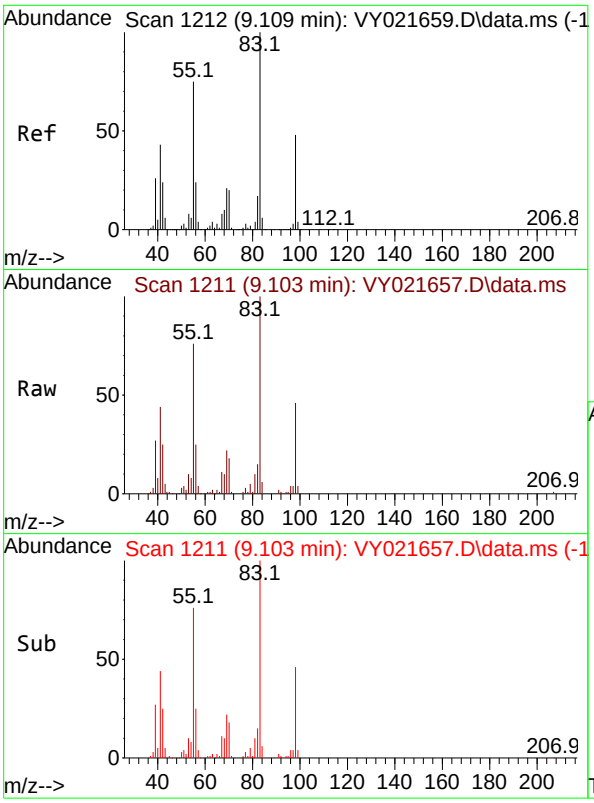


#38
Carbon Tetrachloride
Concen: 10.496 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 42141

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.4
121	32.2	24.2	36.4



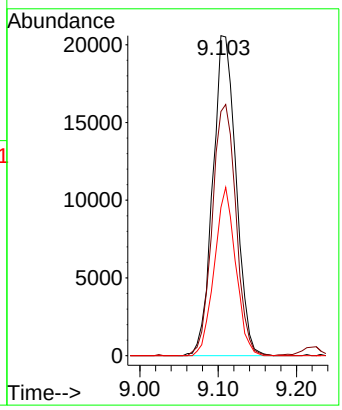


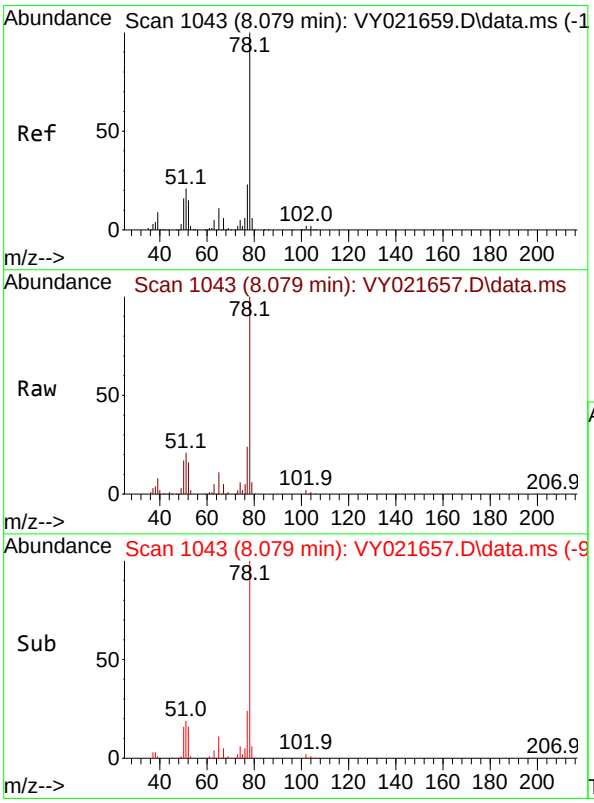
#39
Methylcyclohexane
Concen: 10.147 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 42492

Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	46.3	38.3	57.5

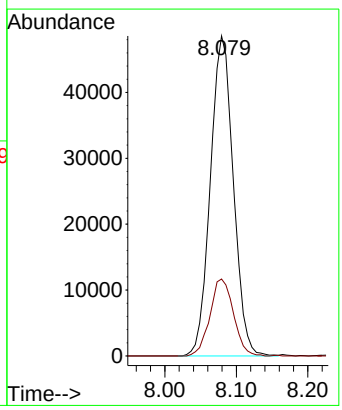


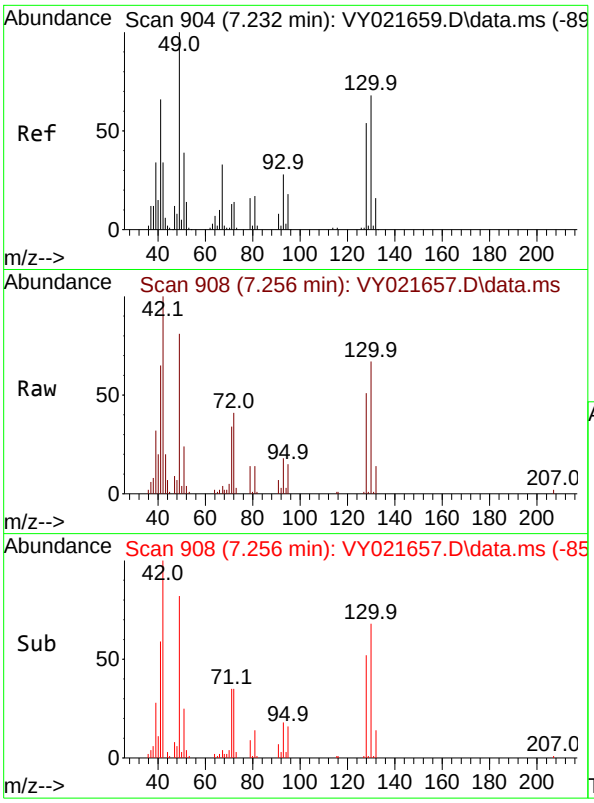


#40
Benzene
Concen: 10.322 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 78 Resp: 108360

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



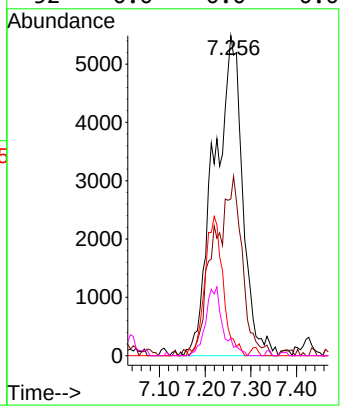


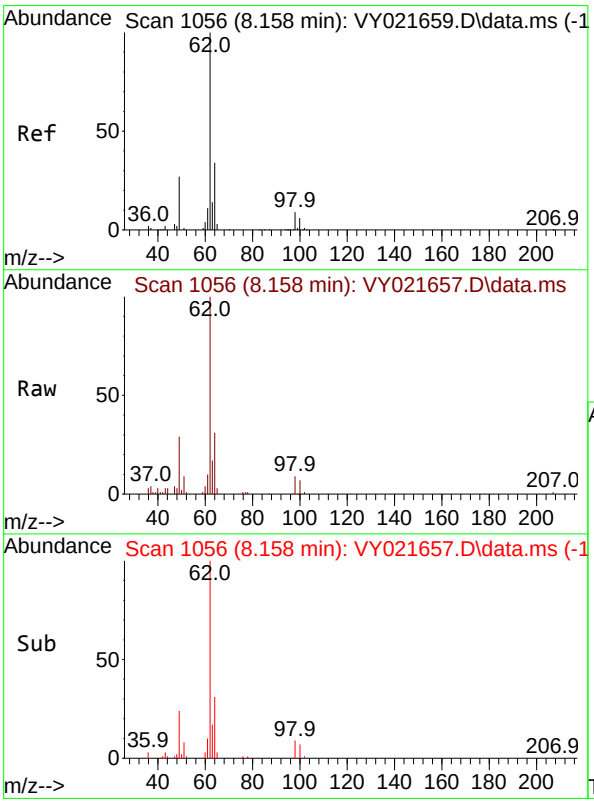
#41
Methacrylonitrile
Concen: 26.988 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.025 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 23709

Ion	Ratio	Lower	Upper
41	100		
39	55.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

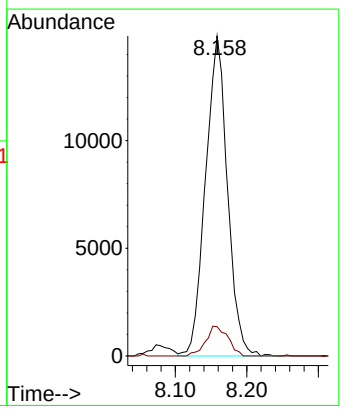


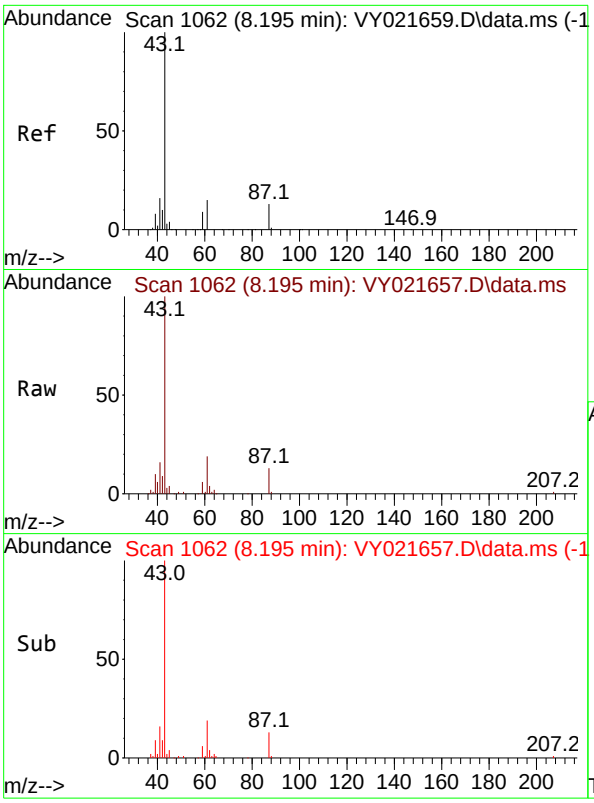


#42
1,2-Dichloroethane
Concen: 10.679 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 31606

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4



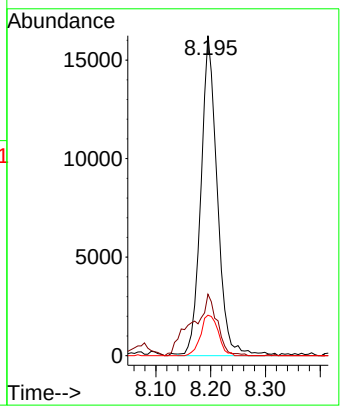


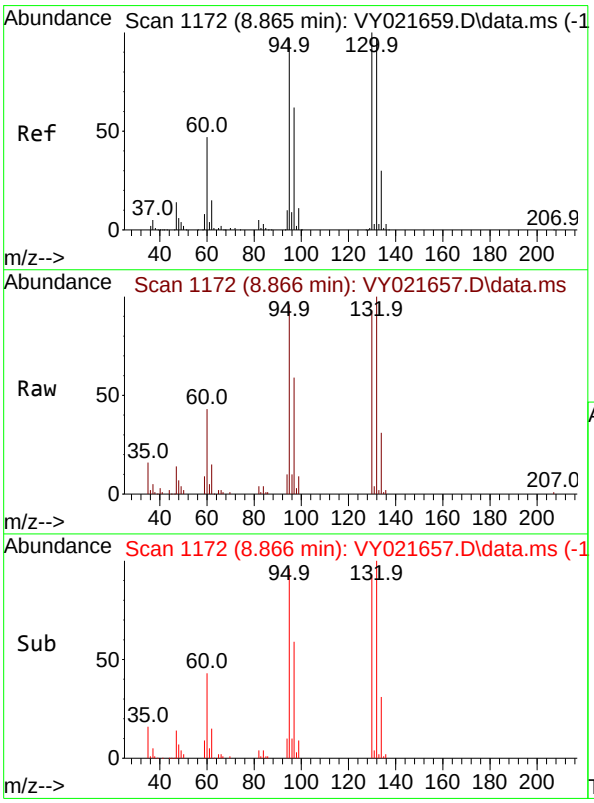
#43
Isopropyl Acetate
Concen: 10.738 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 33664

Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.9	23.9#
87	13.6	10.4	15.6

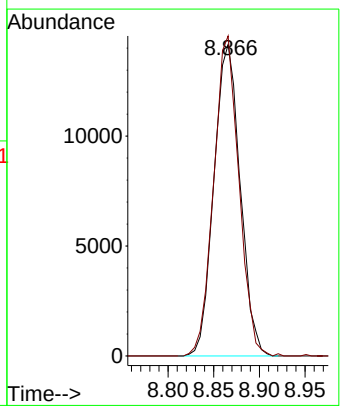


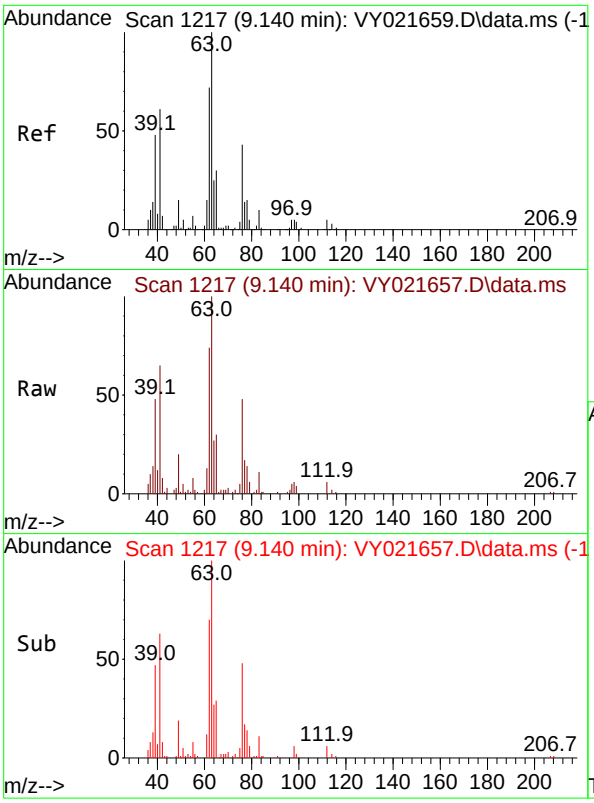


#44
Trichloroethene
Concen: 10.571 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:130 Resp: 28275

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	194.8



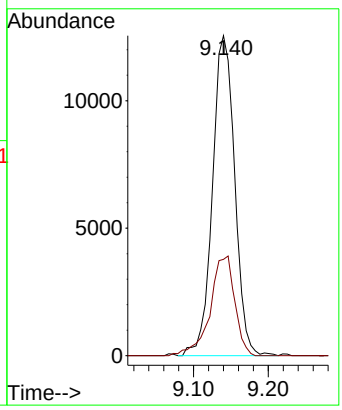


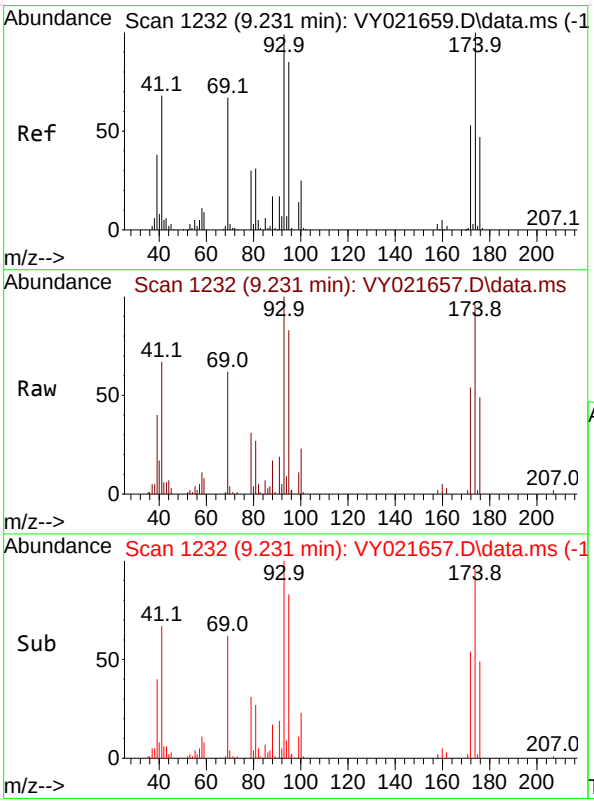
#45
1,2-Dichloropropane
Concen: 10.440 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 25943

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.4	36.6

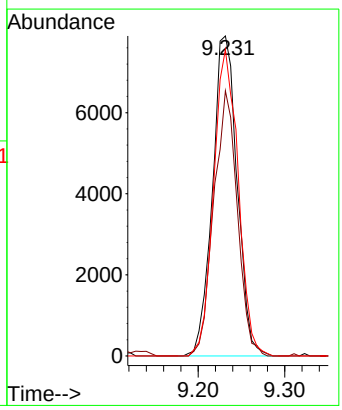


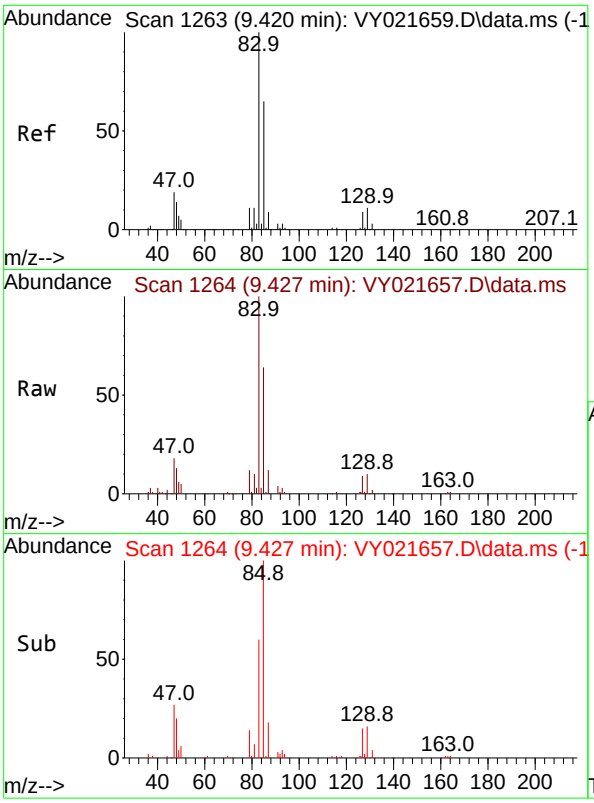


#46
Dibromomethane
Concen: 10.896 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 93 Resp: 15605

Ion	Ratio	Lower	Upper
93	100		
95	79.3	68.1	102.1
174	95.5	80.9	121.3



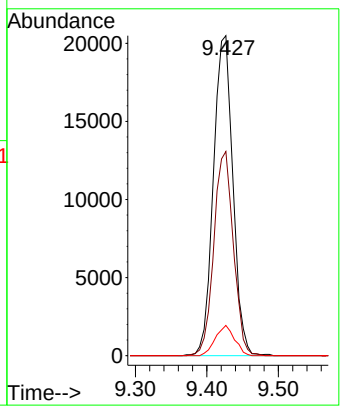


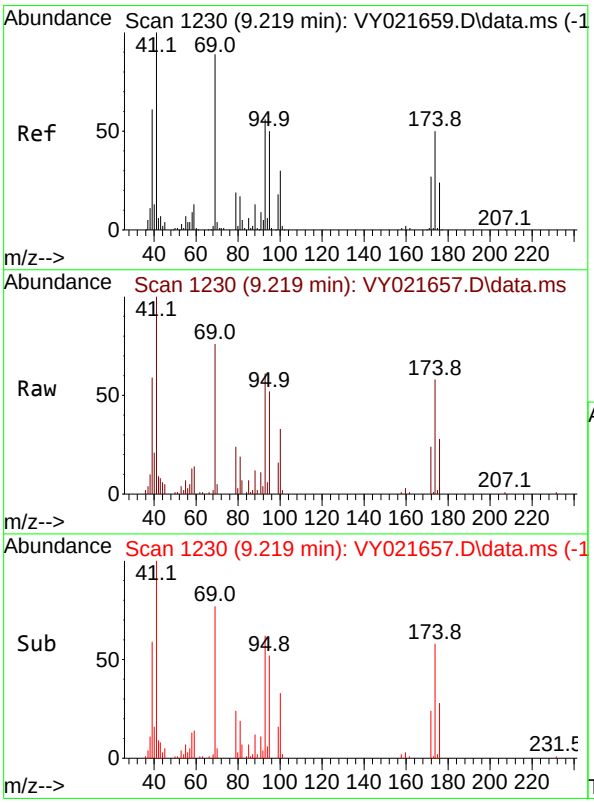
#47
Bromodichloromethane
Concen: 10.439 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 38737

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	9.5	6.8	10.2

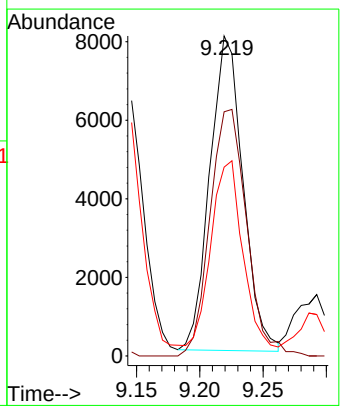


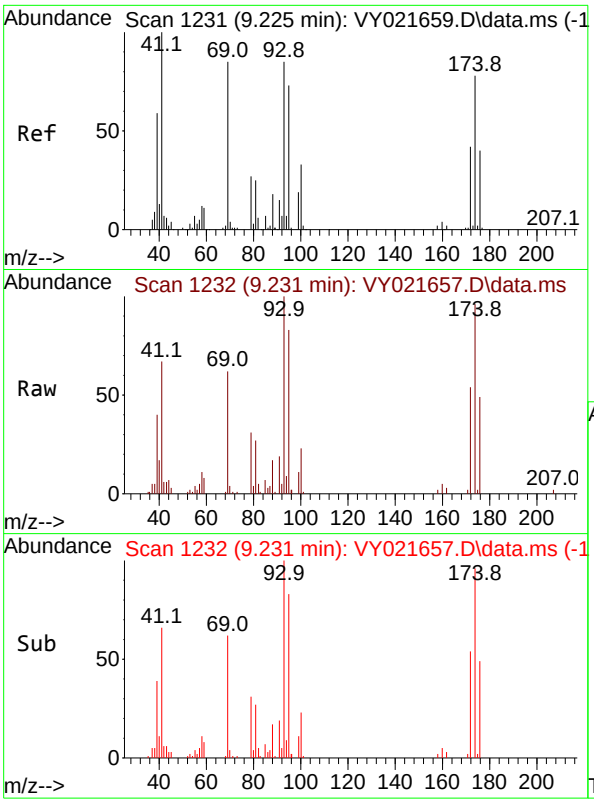


#48
Methyl methacrylate
Concen: 10.130 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 14576

Ion	Ratio	Lower	Upper
41	100		
69	86.5	69.8	104.8
39	56.4	47.2	70.8



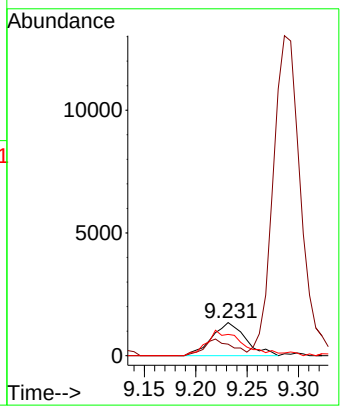


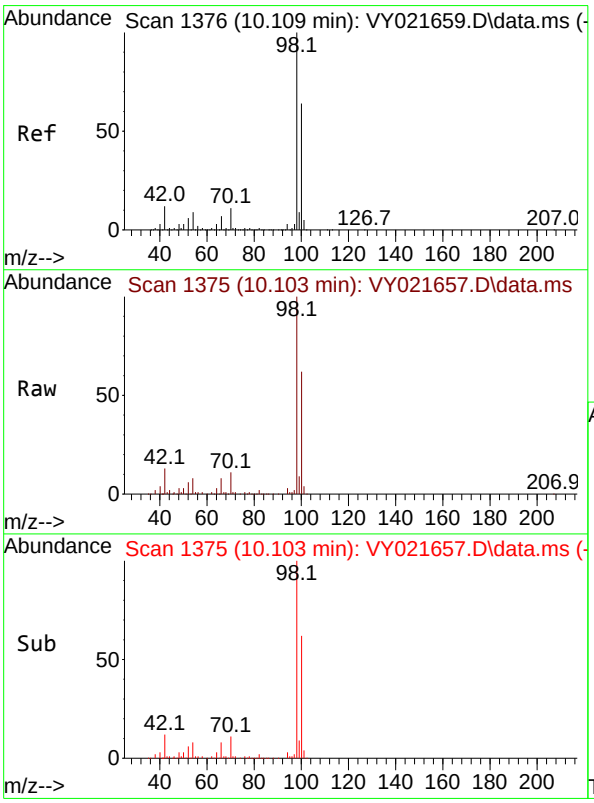
#49
1,4-Dioxane
Concen: 200.565 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 3077

Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.8	43.2
58	85.0	59.4	89.2

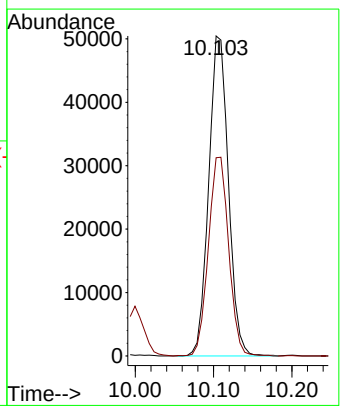


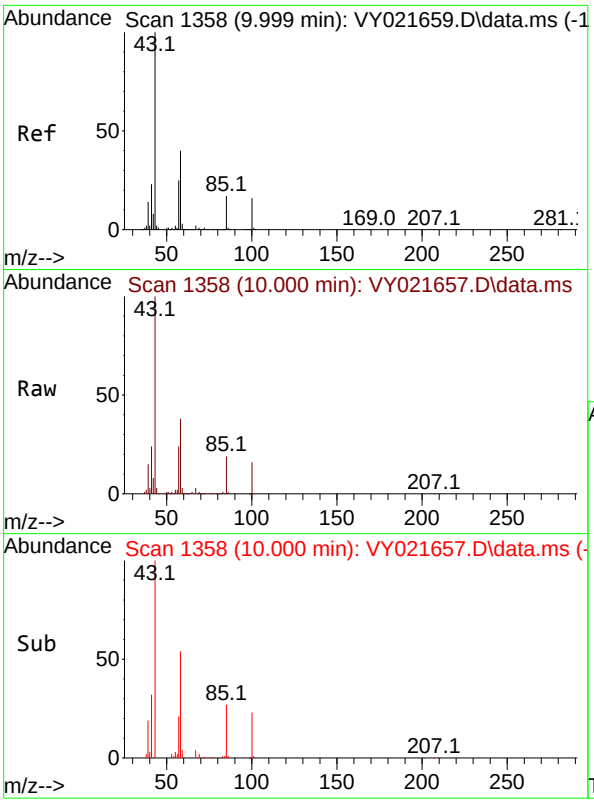


#50
Toluene-d8
Concen: 10.051 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 98 Resp: 88000

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1



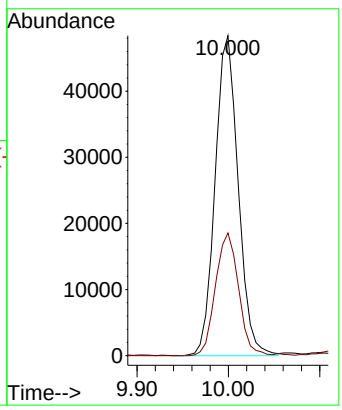


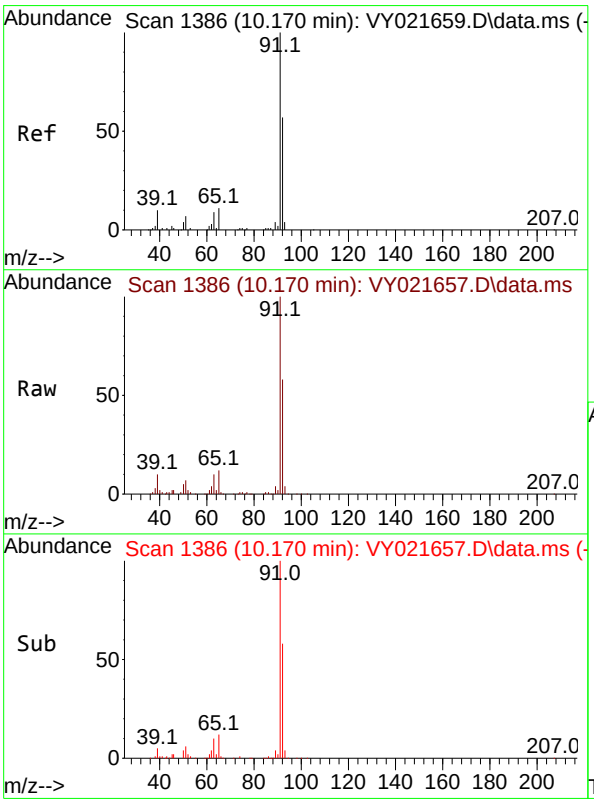
#51
4-Methyl-2-Pentanone
Concen: 52.111 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 85020

Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.5	47.3

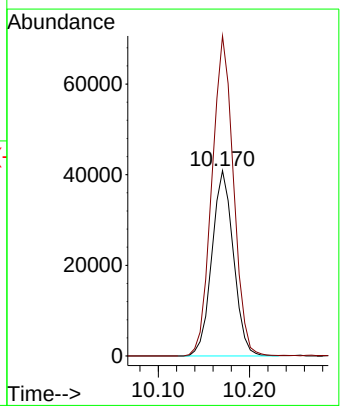


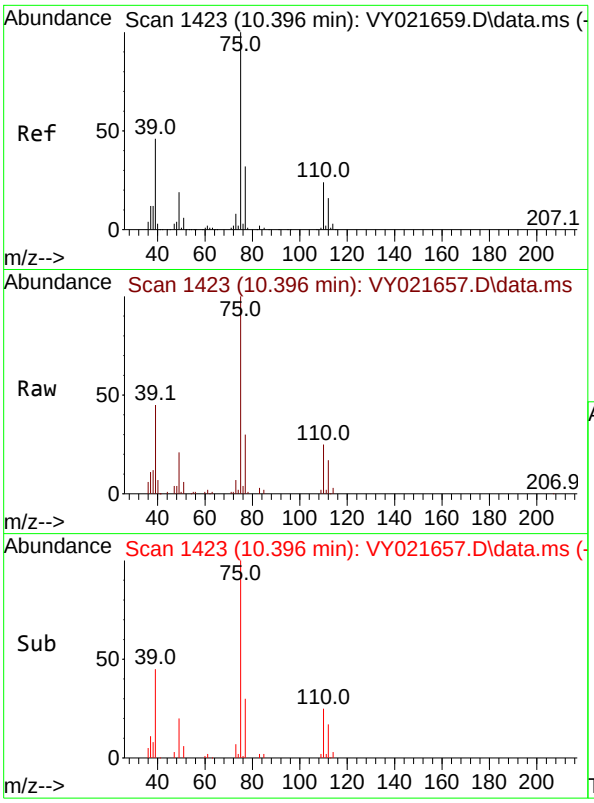


#52
Toluene
Concen: 10.212 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 92 Resp: 66889

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8



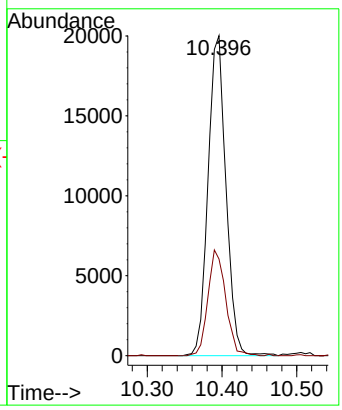


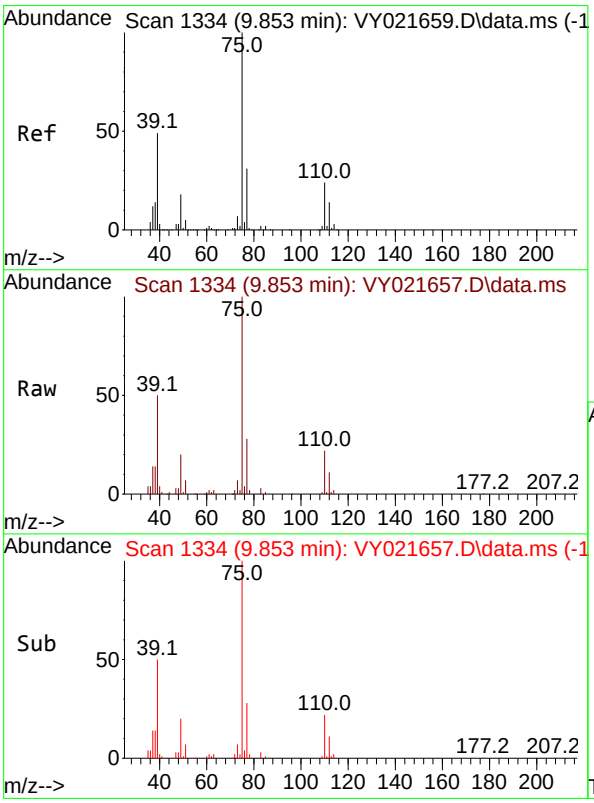
#53
t-1,3-Dichloropropene
Concen: 10.120 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 33356

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.3	37.9

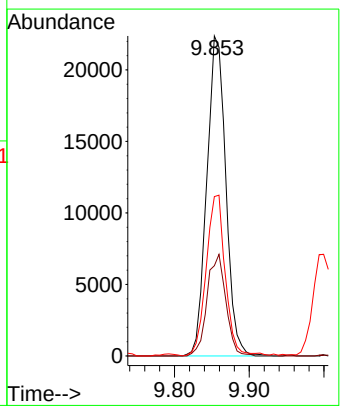


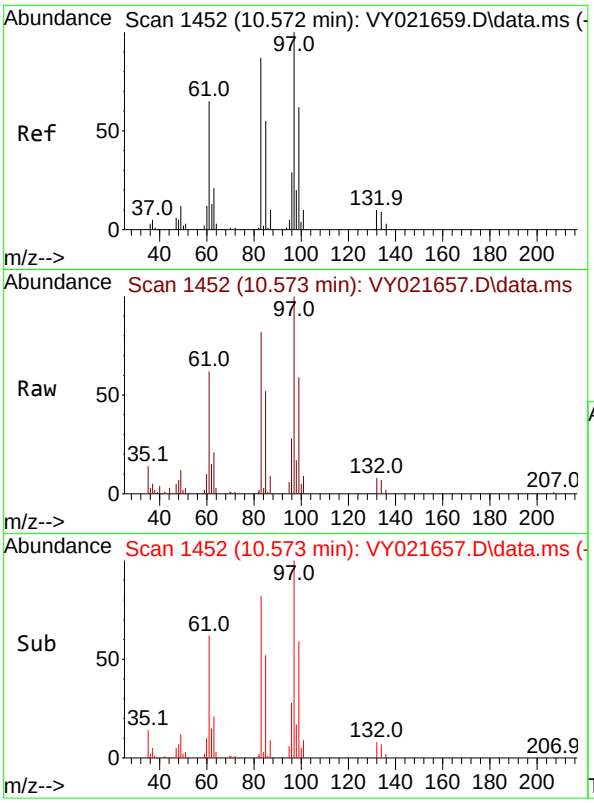


#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 39609

Ion	Ratio	Lower	Upper
75	100		
77	28.2	24.9	37.3
39	49.6	39.2	58.8



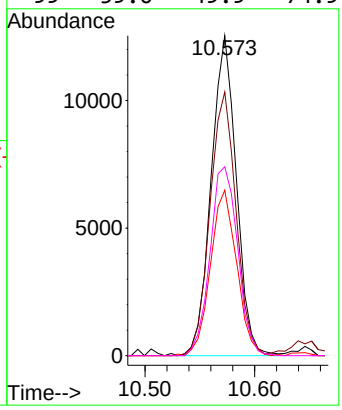


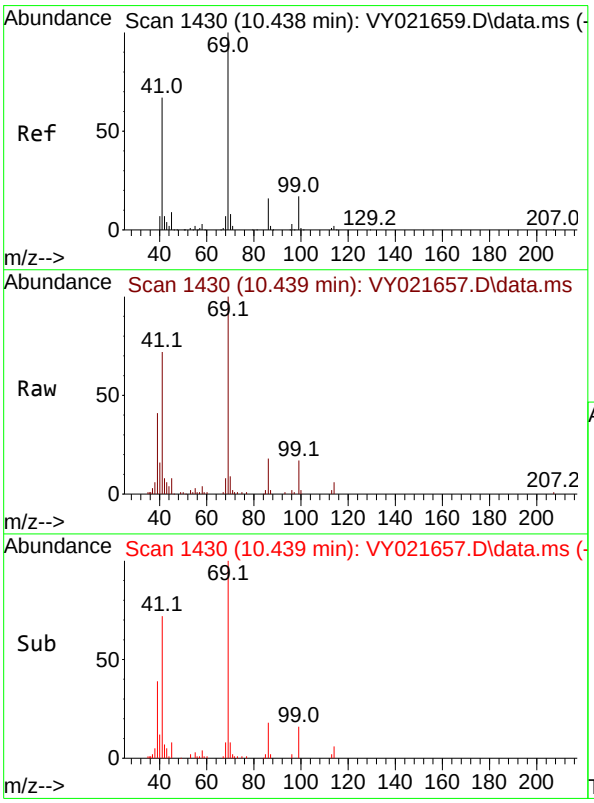
#55
1,1,2-Trichloroethane
Concen: 10.879 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 20050

Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.5	104.3
85	51.3	43.9	65.9
99	59.0	49.9	74.9

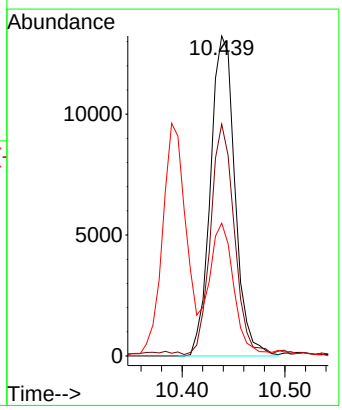


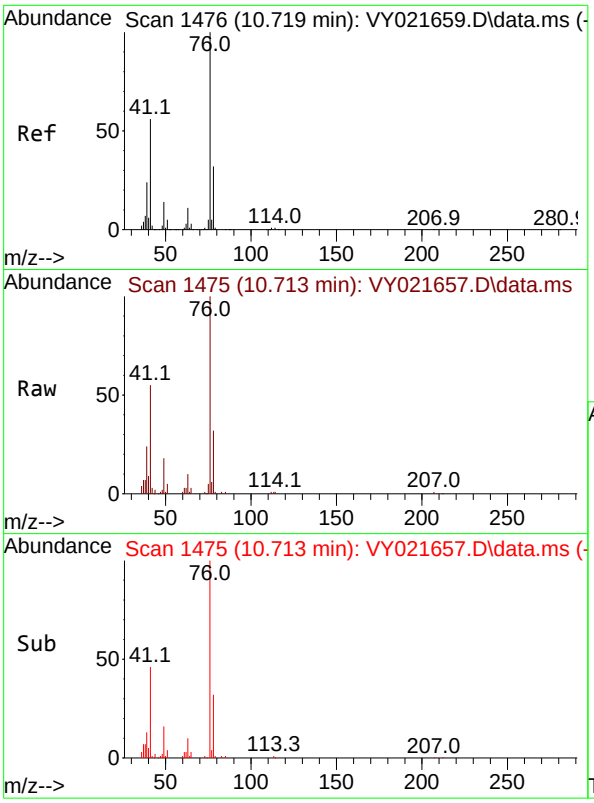


#56
Ethyl methacrylate
Concen: 9.307 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 69 Resp: 21901

Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.8	80.6
39	40.2	29.6	44.4



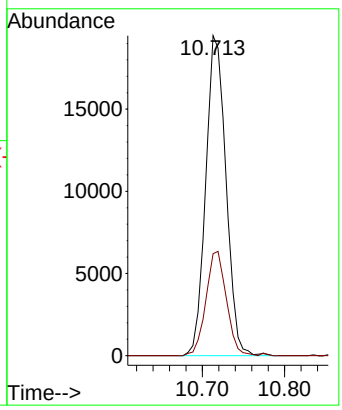


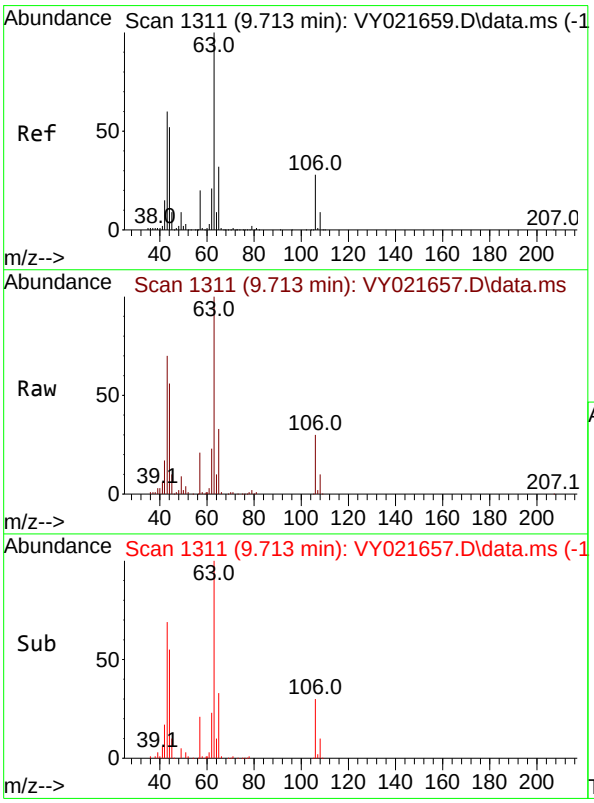
#57
1,3-Dichloropropane
Concen: 10.467 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 33316

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

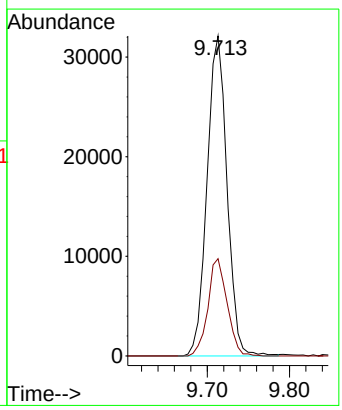


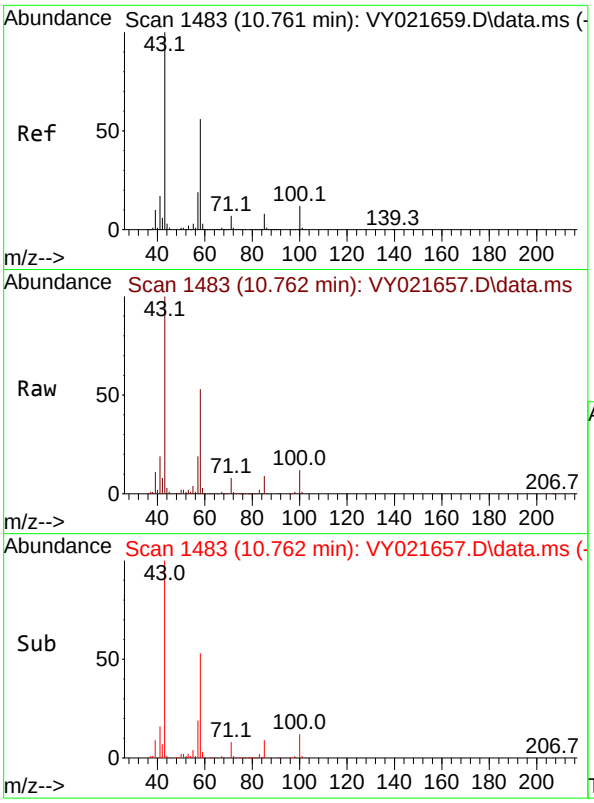


#58
2-Chloroethyl Vinyl ether
Concen: 47.274 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 54271

Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.4	33.6



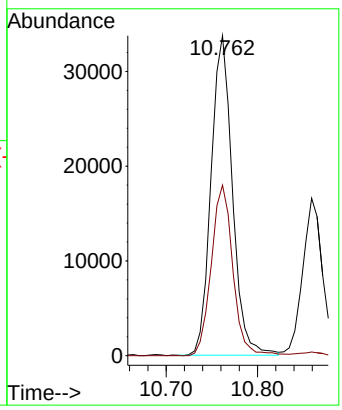


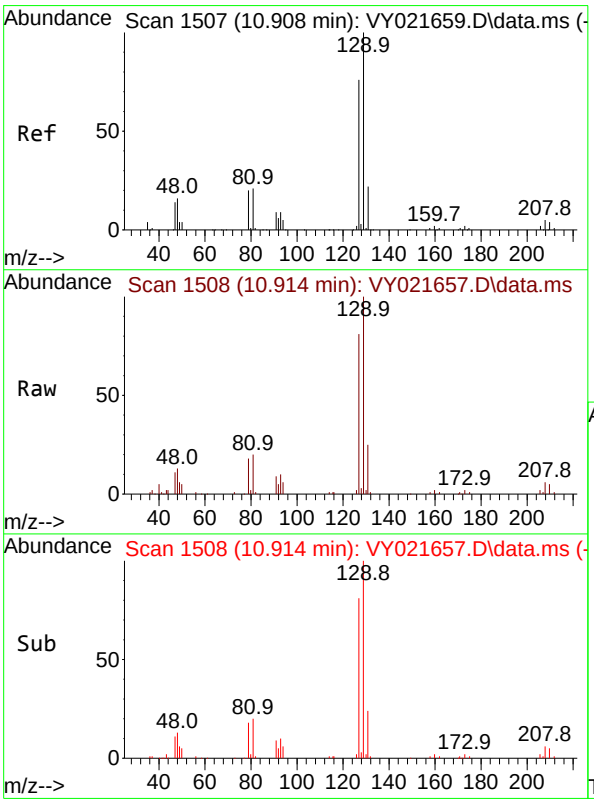
#59
2-Hexanone
Concen: 50.295 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 54649

Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.2	81.5

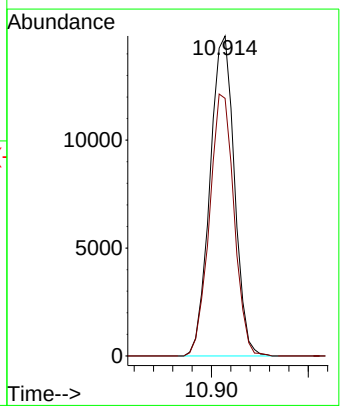


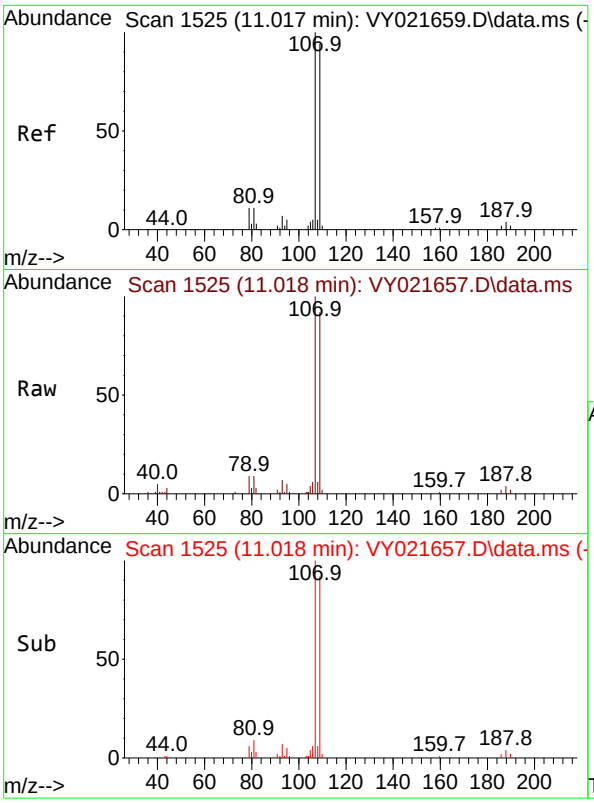


#60
Dibromochloromethane
Concen: 10.346 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:129 Resp: 26032

Ion	Ratio	Lower	Upper
129	100		
127	82.2	38.6	115.7



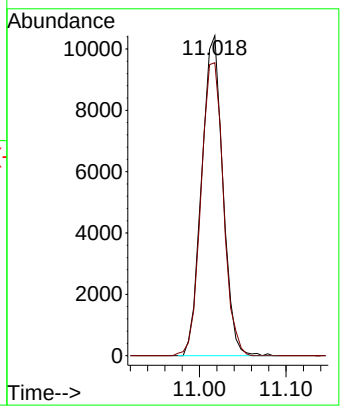


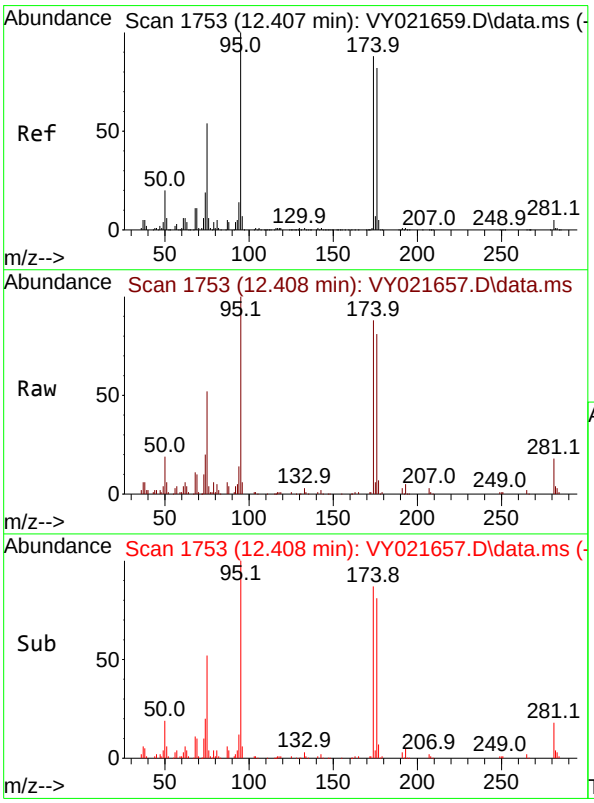
#61
1,2-Dibromoethane
Concen: 10.251 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 17722

Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.4	111.6

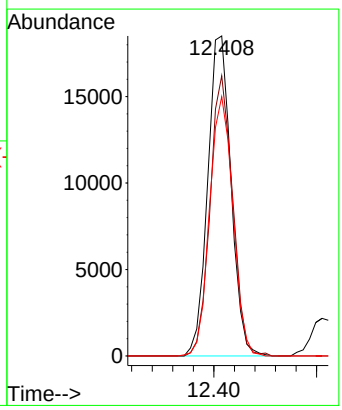


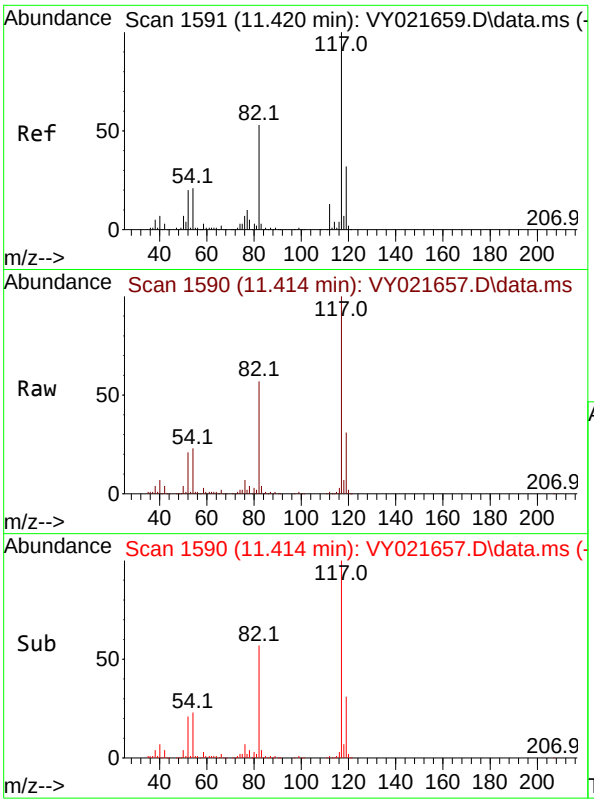


#62
4-Bromofluorobenzene
Concen: 9.835 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 95 Resp: 29125

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.8
176	81.1	0.0	162.0



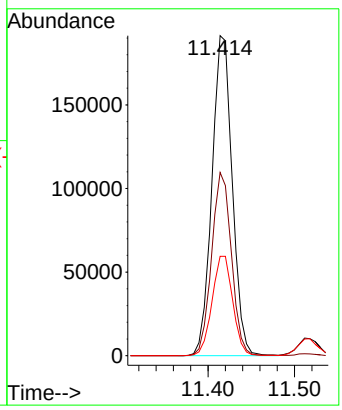


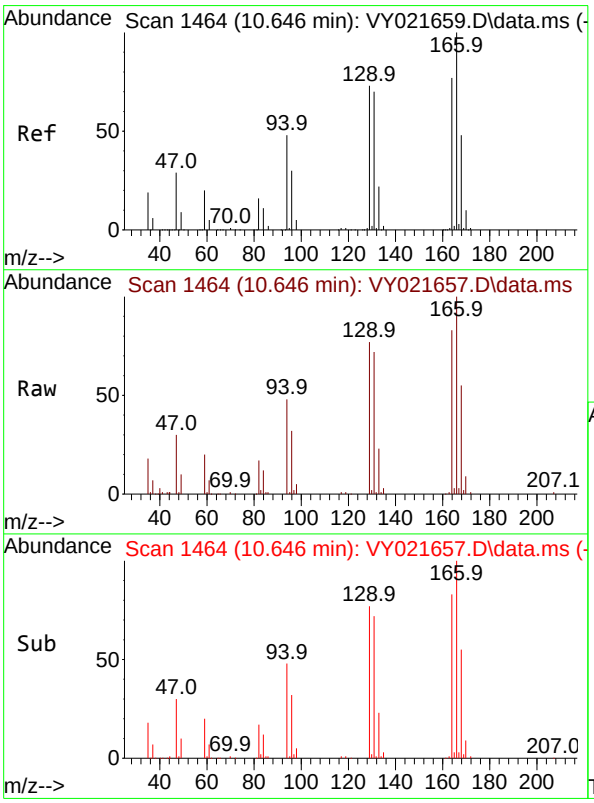
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 311737

Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.8	64.2
119	31.0	25.7	38.5

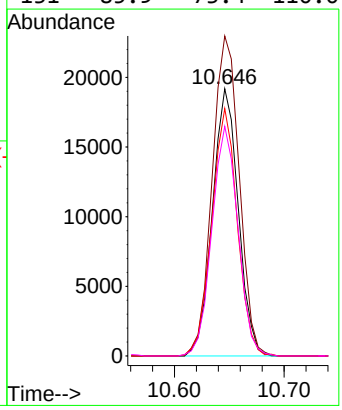


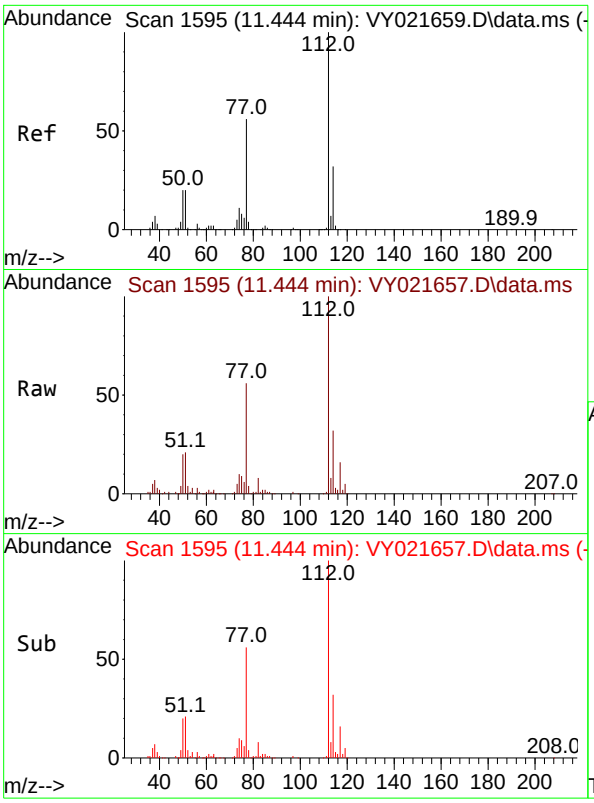


#64
Tetrachloroethene
Concen: 11.036 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:164 Resp: 31334

Ion	Ratio	Lower	Upper
164	100		
166	119.8	104.6	156.8
129	92.6	76.6	114.8
131	85.9	73.4	110.0



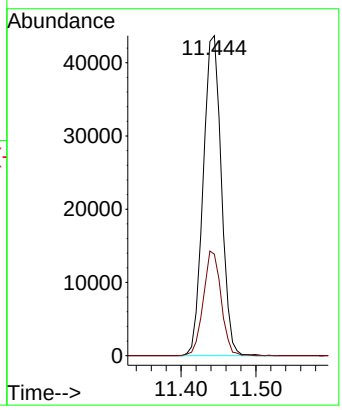


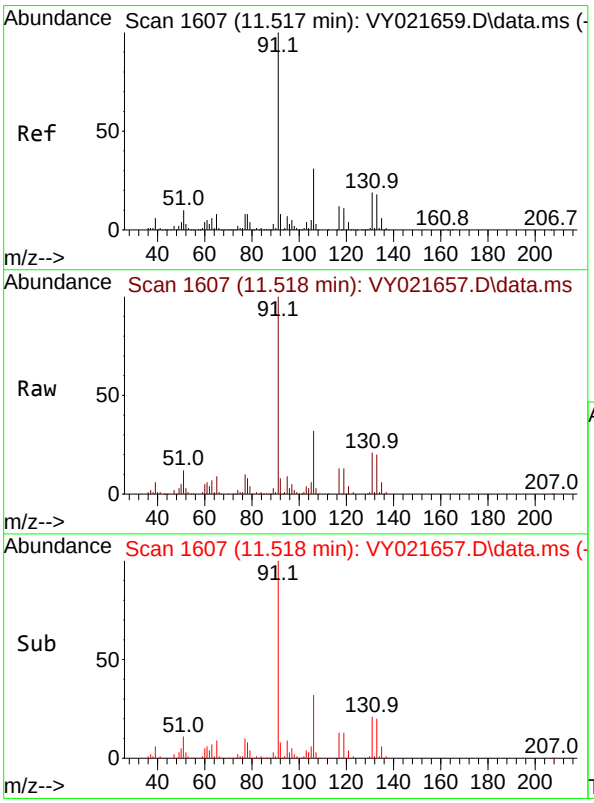
#65
Chlorobenzene
Concen: 10.276 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 73433

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9

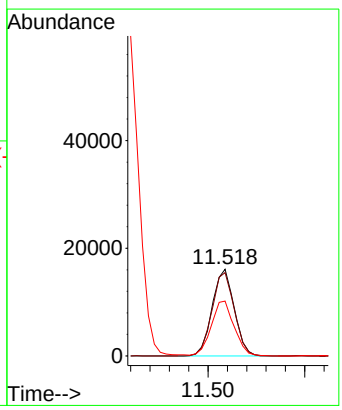


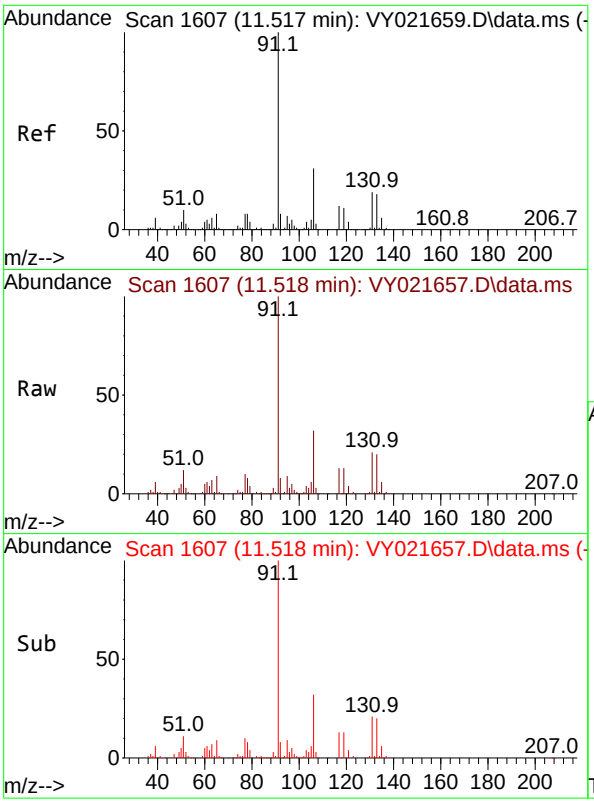


#66
1,1,1,2-Tetrachloroethane
Concen: 10.060 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:131 Resp: 25506

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.3	141.8
119	65.9	31.6	95.0



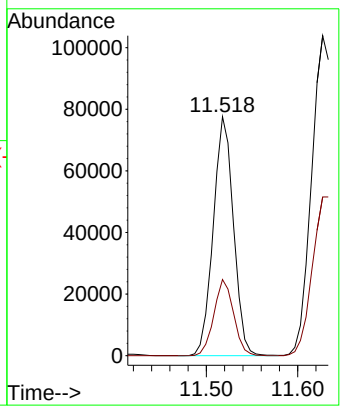


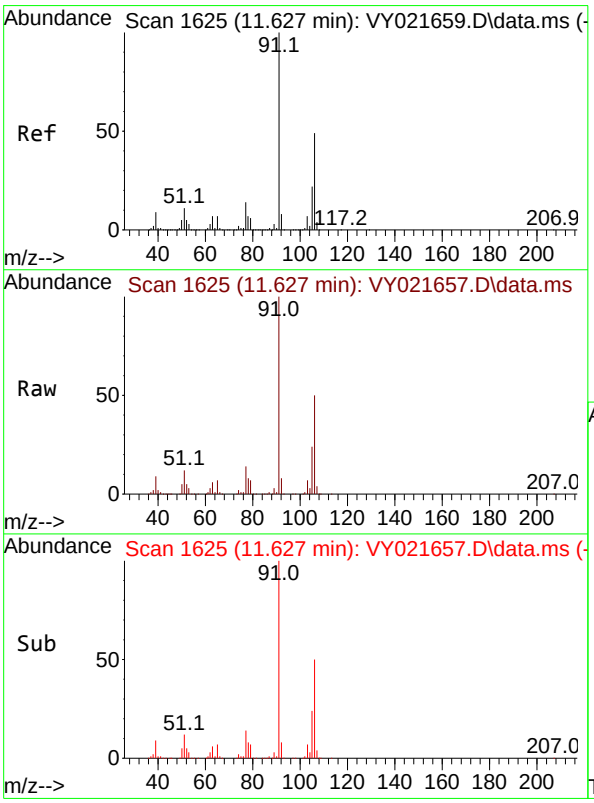
#67
Ethyl Benzene
Concen: 9.750 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 119480

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.6	36.8

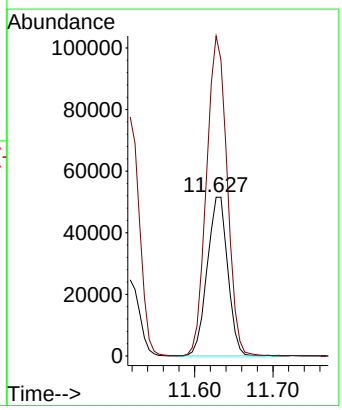


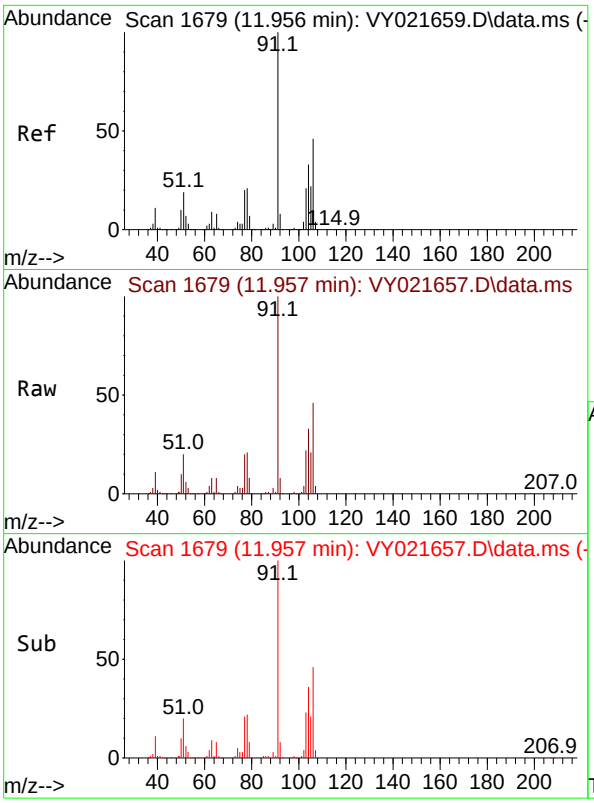


#68
m/p-Xylenes
Concen: 20.009 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:106 Resp: 93887

Ion	Ratio	Lower	Upper
106	100		
91	201.5	162.4	243.6



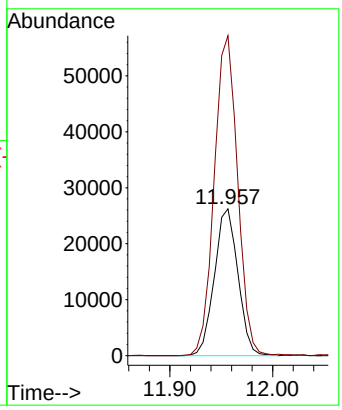


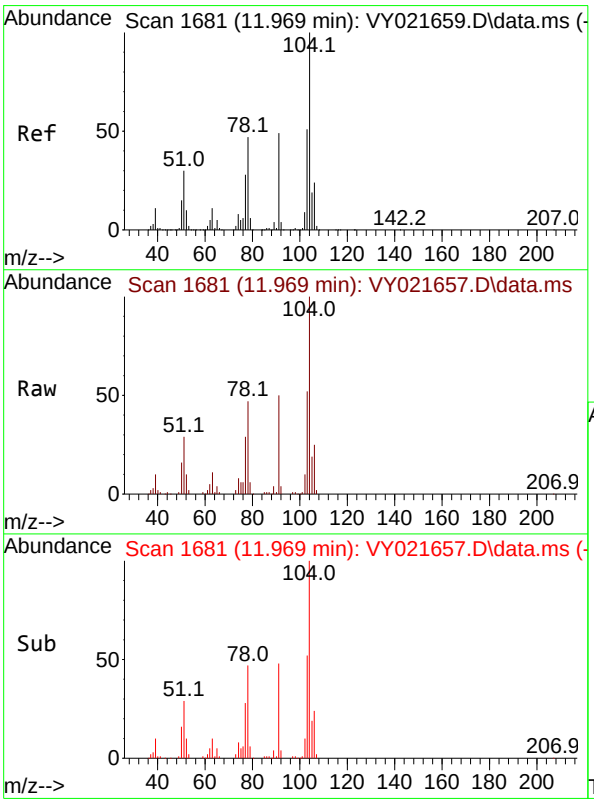
#69
o-Xylene
Concen: 9.643 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 41768

Ion	Ratio	Lower	Upper
106	100		
91	216.6	106.7	319.9

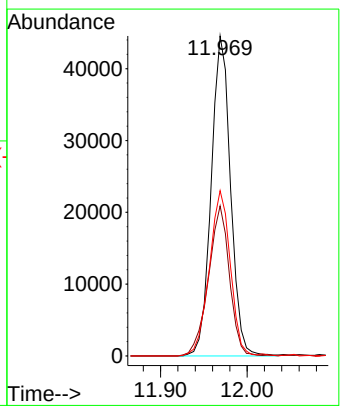


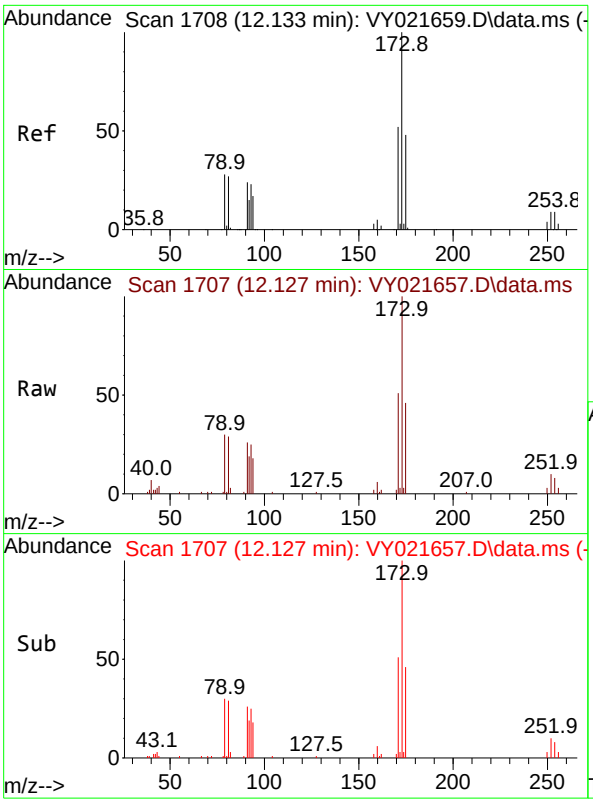


#70
Styrene
Concen: 9.581 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:104 Resp: 69196

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.8	61.2
103	56.1	44.2	66.2



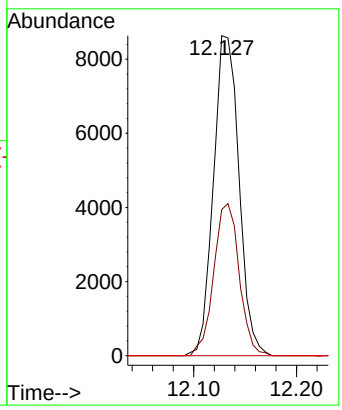


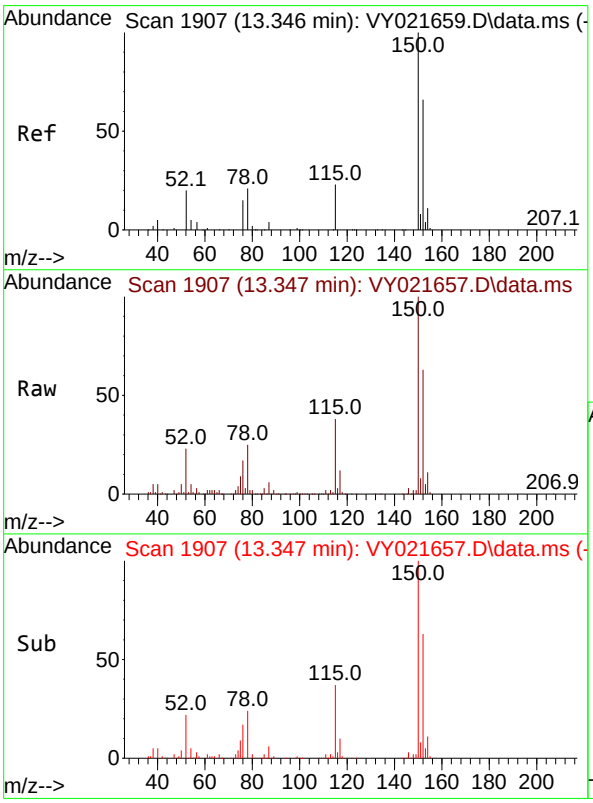
#71
Bromoform
Concen: 10.294 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 14887

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	73.0
254	0.0	0.1	0.1#

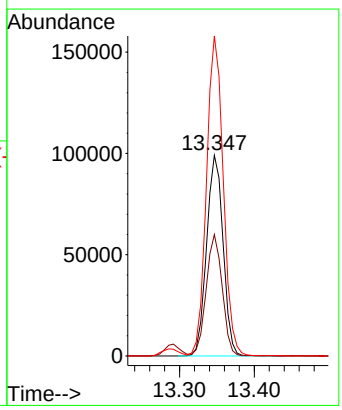


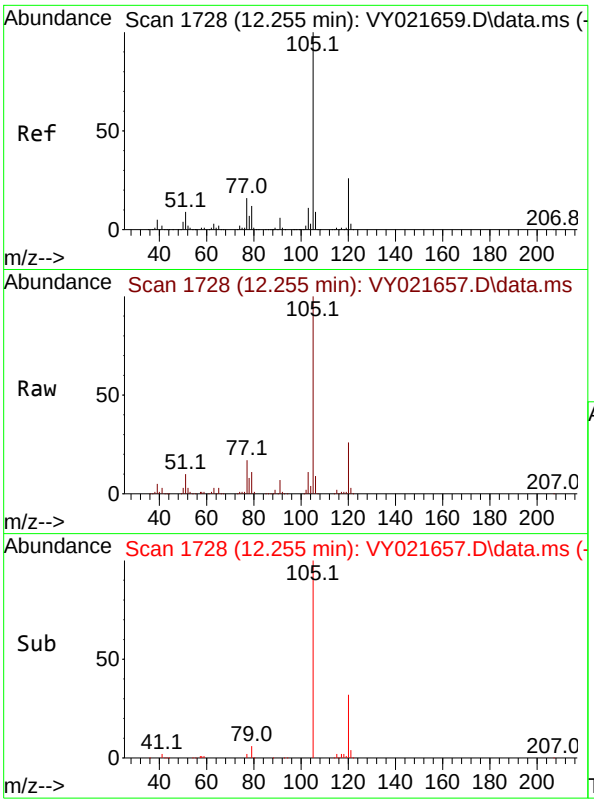


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:152 Resp: 152005

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	161.6	0.0	348.4



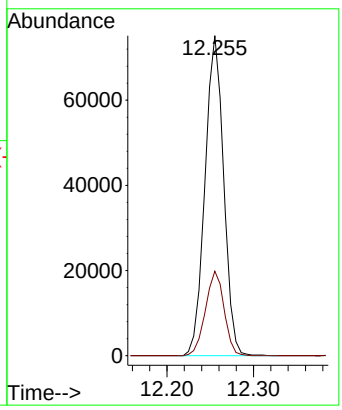


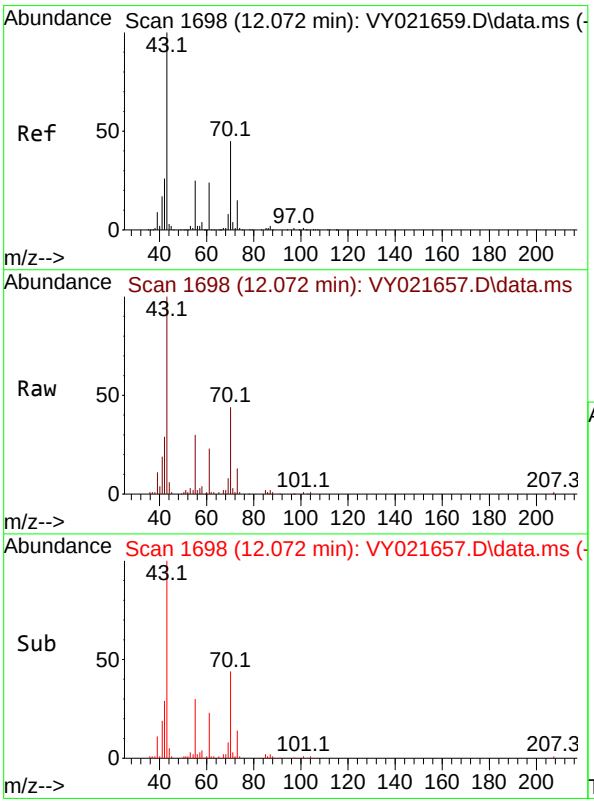
#73
Isopropylbenzene
Concen: 9.966 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 112512

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5

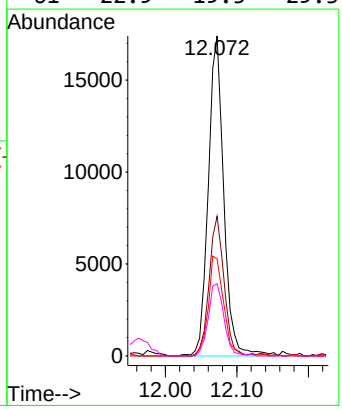


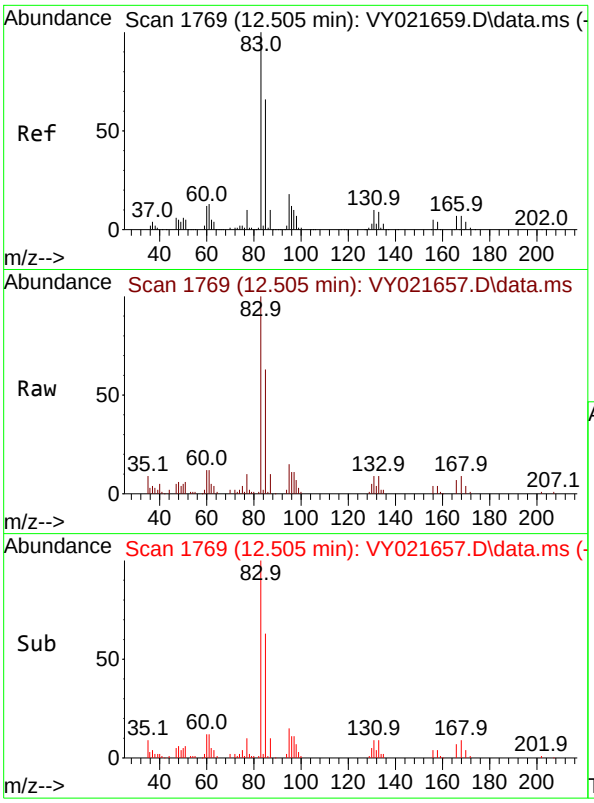


#74
N-amyl acetate
Concen: 9.910 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 26259

Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.7	52.1
55	30.8	21.2	31.8
61	22.9	19.5	29.3



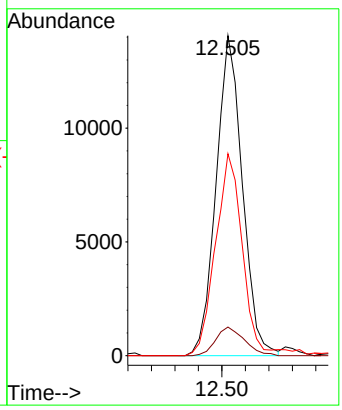


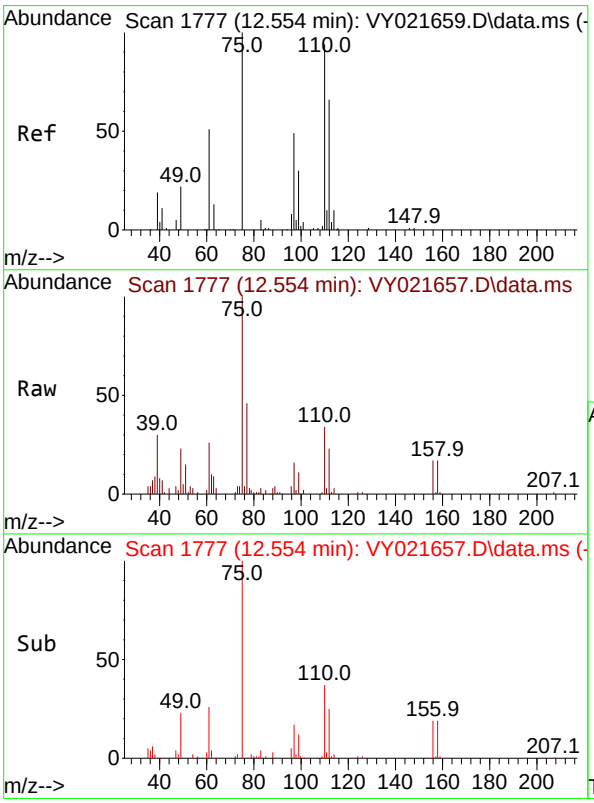
#75
1,1,2,2-Tetrachloroethane
Concen: 10.781 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 21883

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	65.8	32.3	96.8

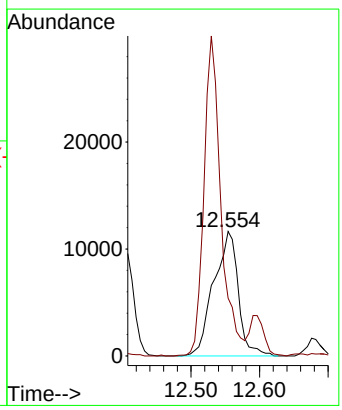


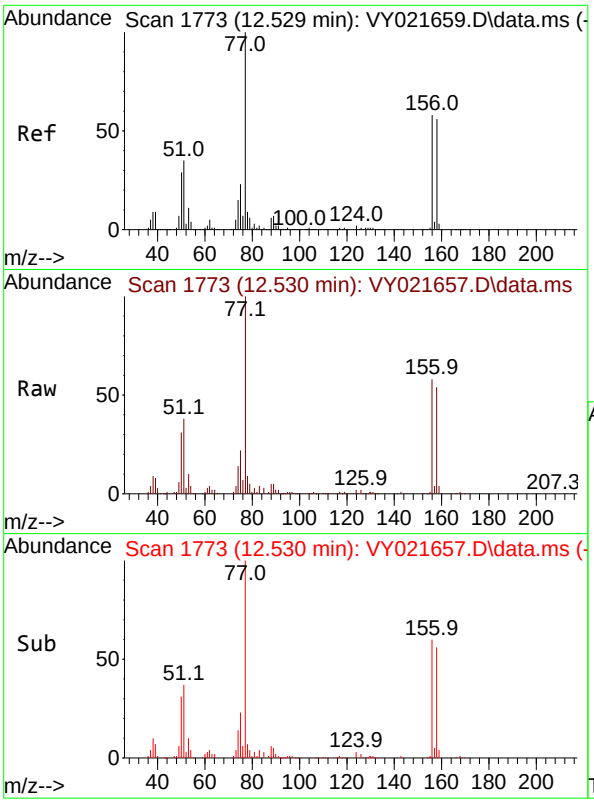


#76
1,2,3-Trichloropropane
Concen: 19.219 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 28958

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



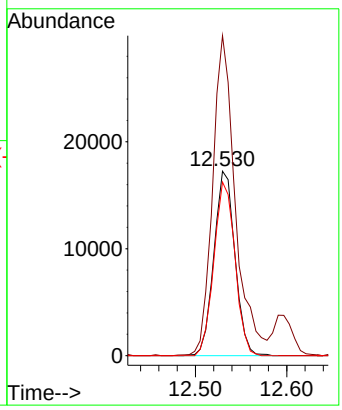


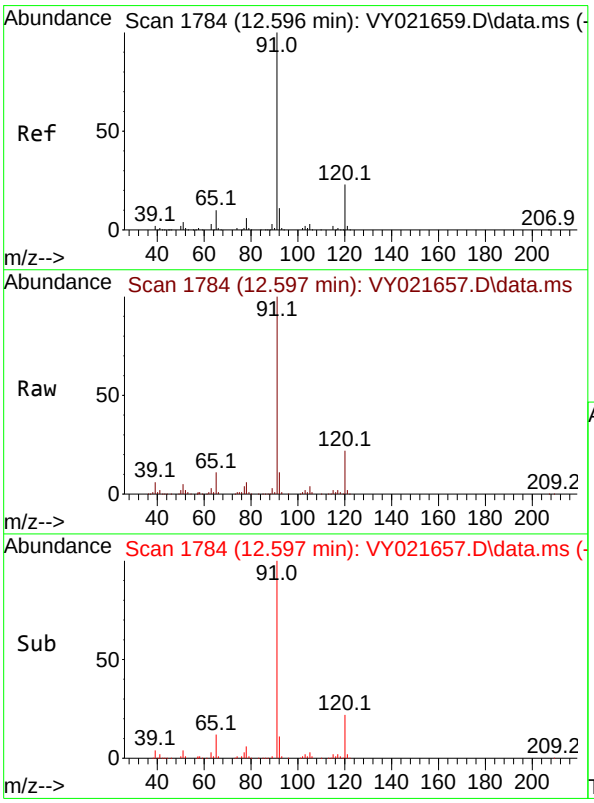
#77
Bromobenzene
Concen: 10.199 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 27648

Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.8	278.3
158	94.2	48.5	145.6

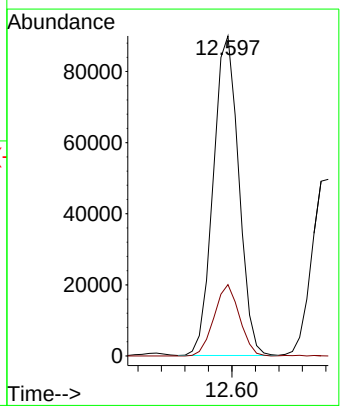


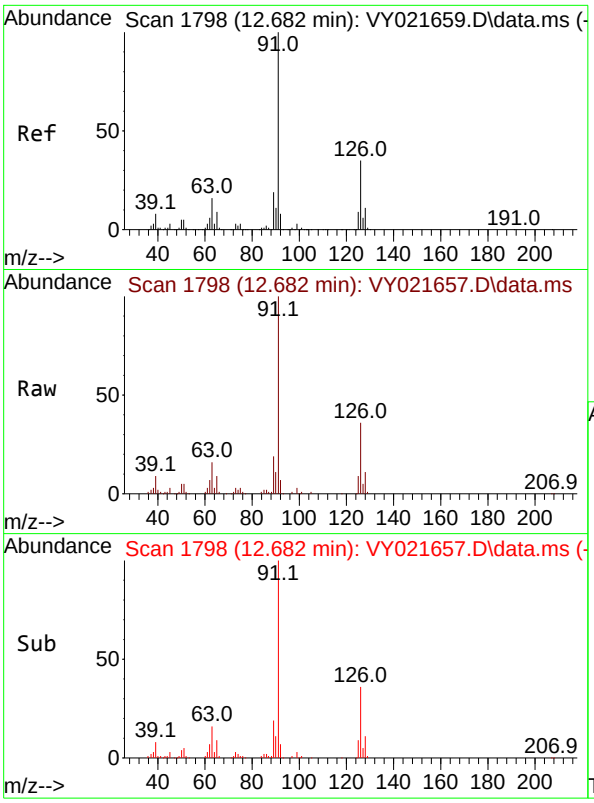


#78
n-propylbenzene
Concen: 9.983 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 135498

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9



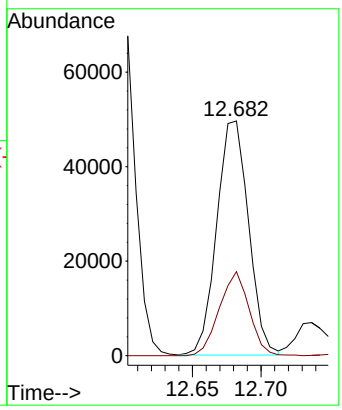


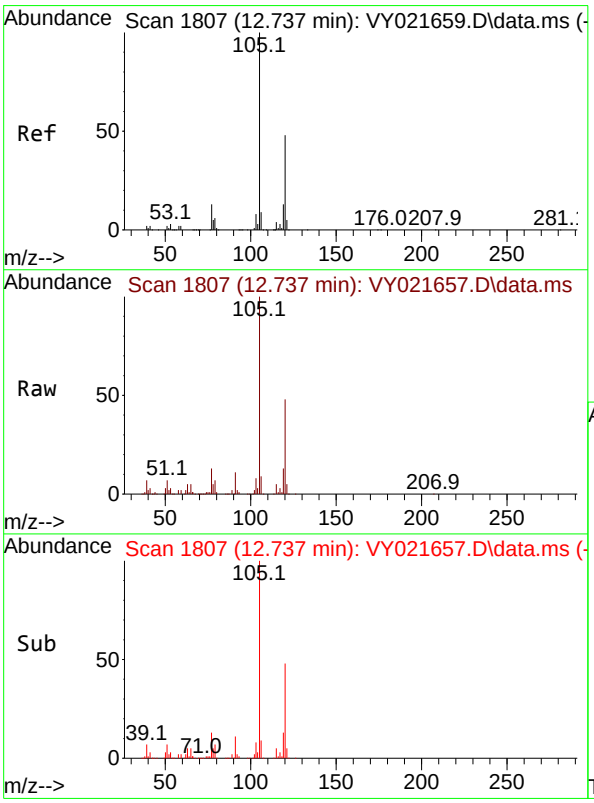
#79
2-Chlorotoluene
Concen: 10.158 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 80079

Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.3	52.0

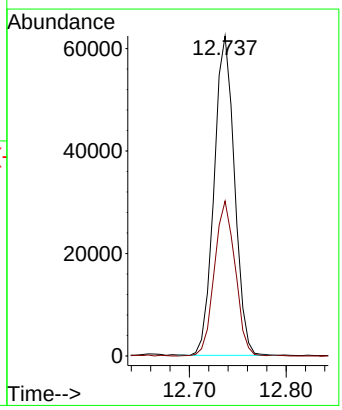


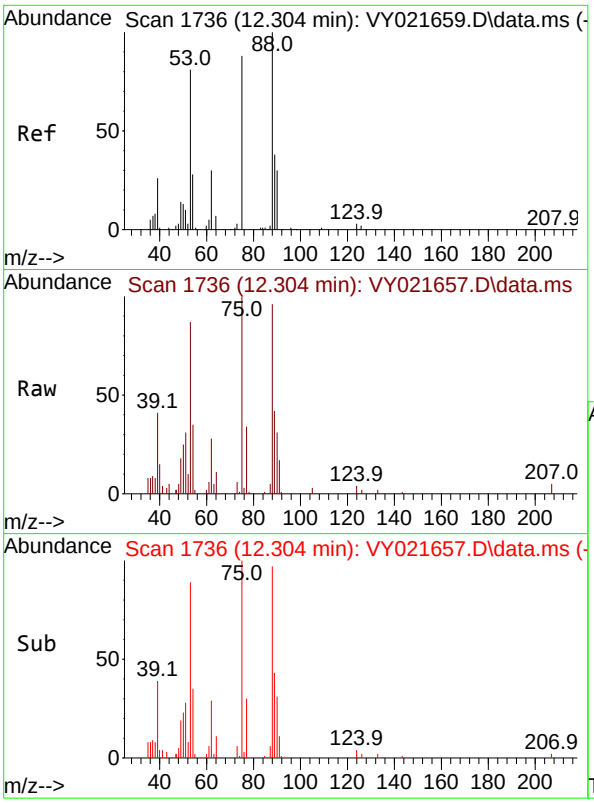


#80
1,3,5-Trimethylbenzene
Concen: 9.888 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 91235

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.5	73.5



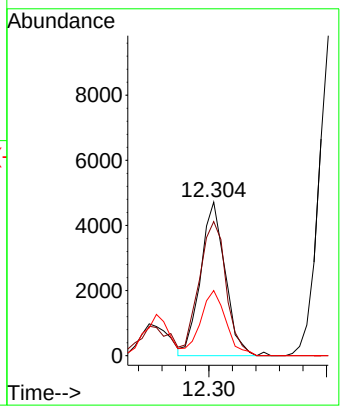


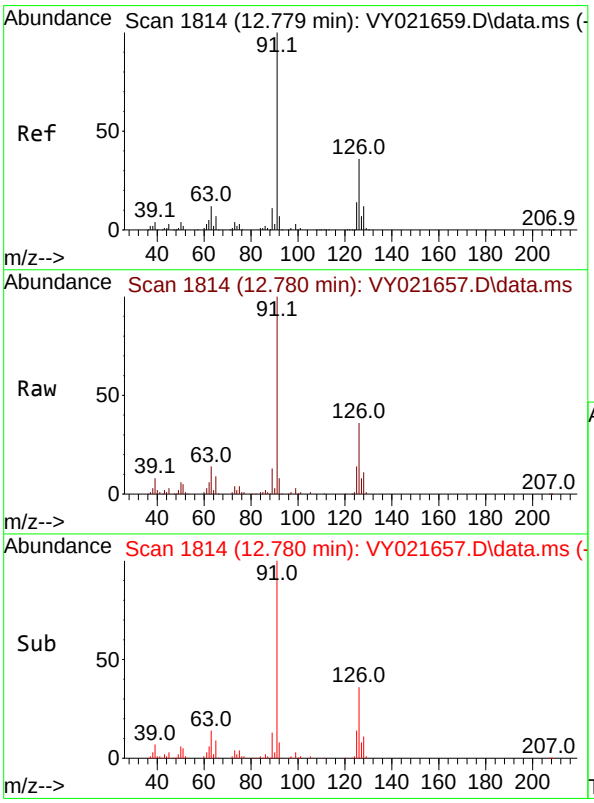
#81
trans-1,4-Dichloro-2-butene
Concen: 10.550 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 6899

Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.1	114.1
89	44.2	36.2	54.4

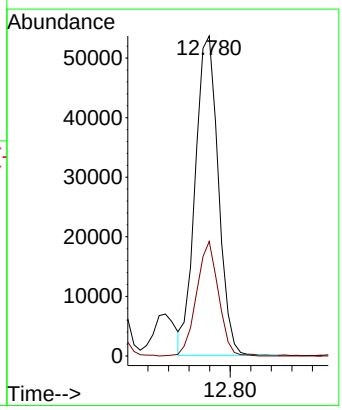


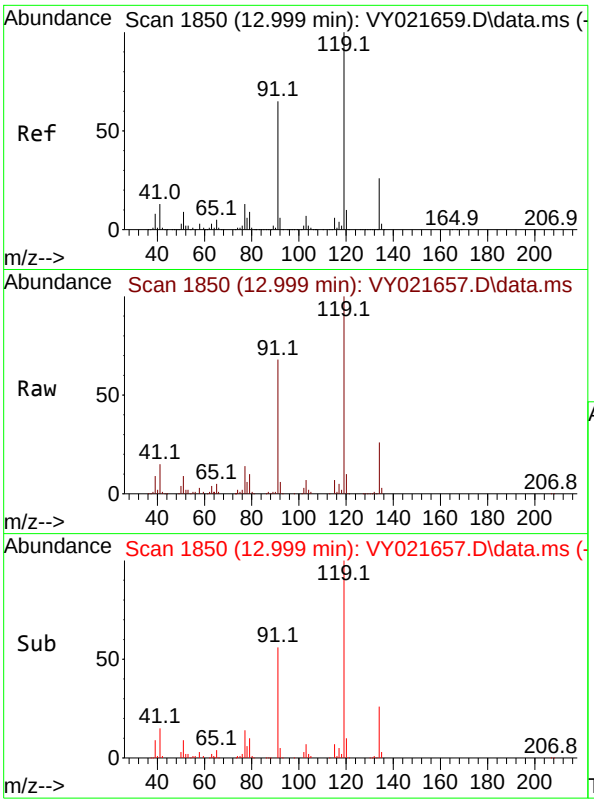


#82
4-Chlorotoluene
Concen: 10.157 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 83484

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9



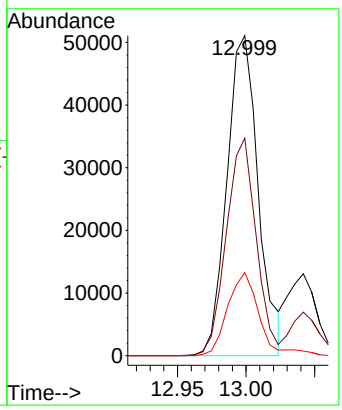


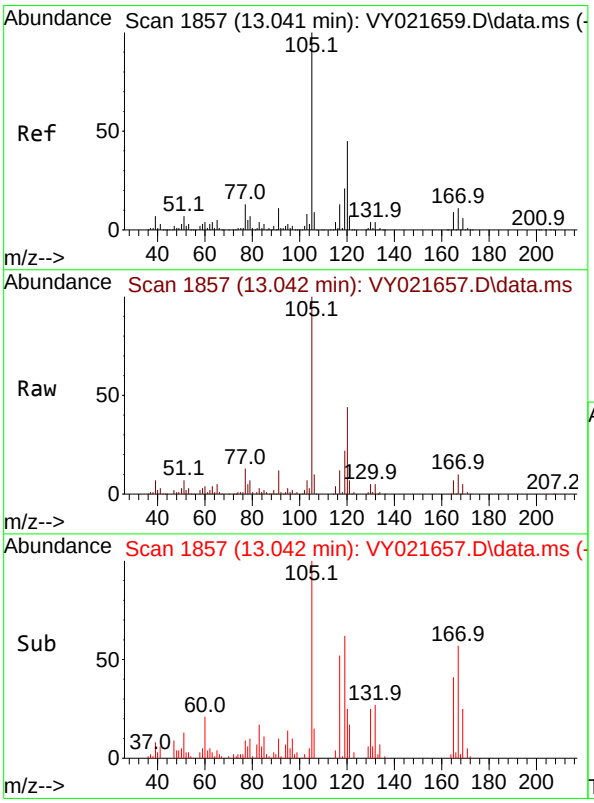
#83
tert-Butylbenzene
Concen: 9.892 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 81296

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.2	13.2	39.6

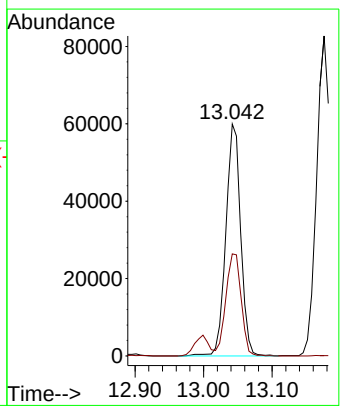


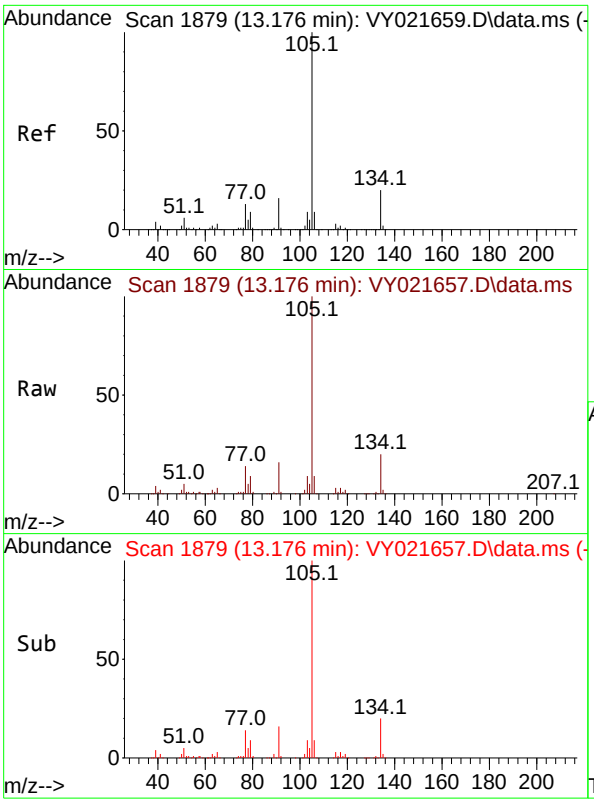


#84
1,2,4-Trimethylbenzene
Concen: 9.884 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 90142

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1



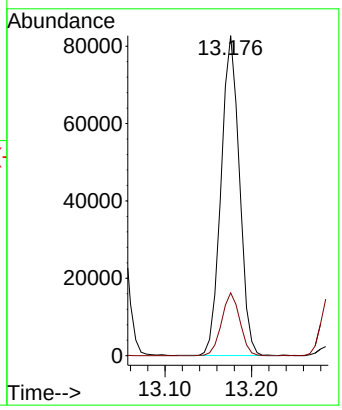


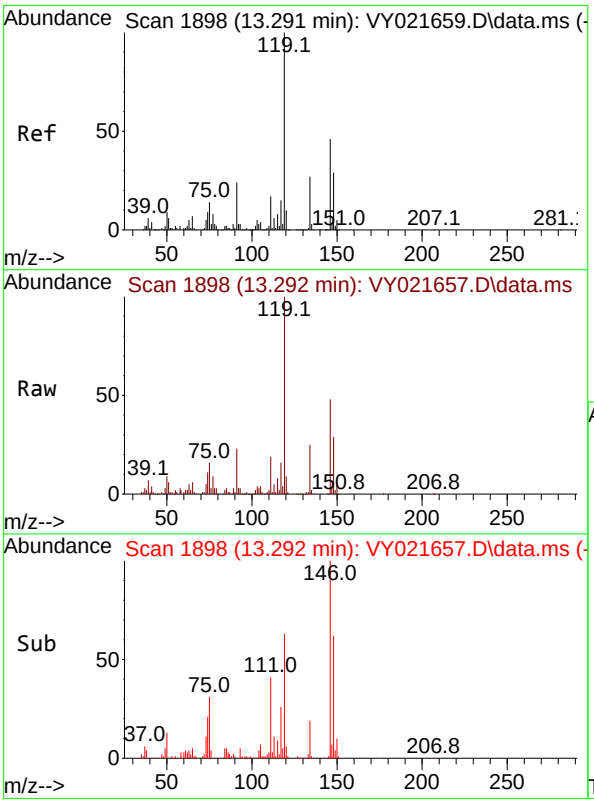
#85
sec-Butylbenzene
Concen: 10.122 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 121575

Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.1

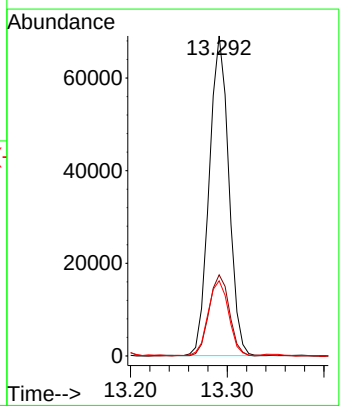


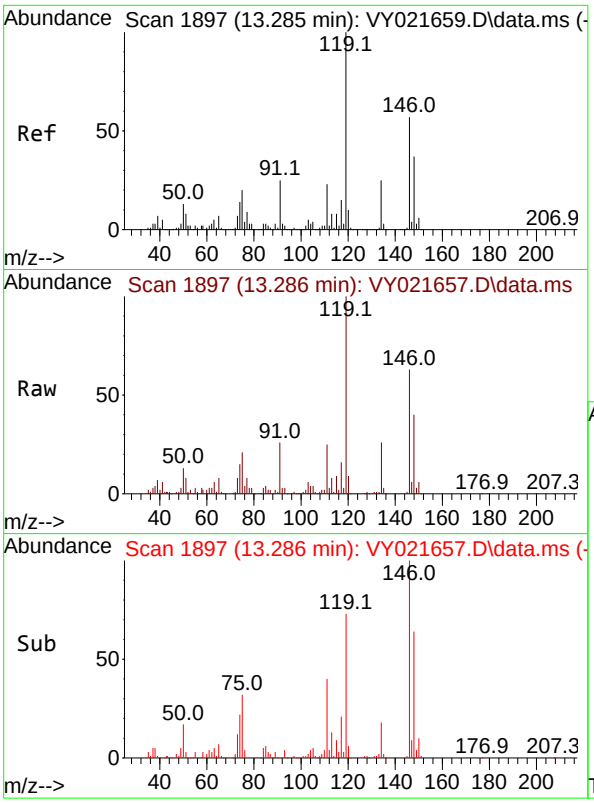


#86
p-Isopropyltoluene
Concen: 9.781 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:119 Resp: 97092

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	24.6	12.0	36.0



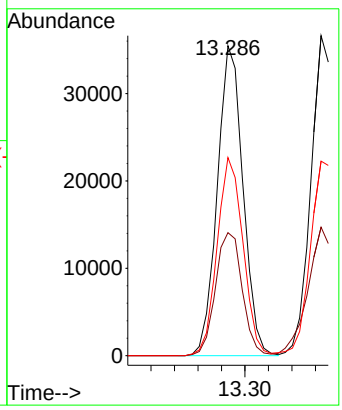


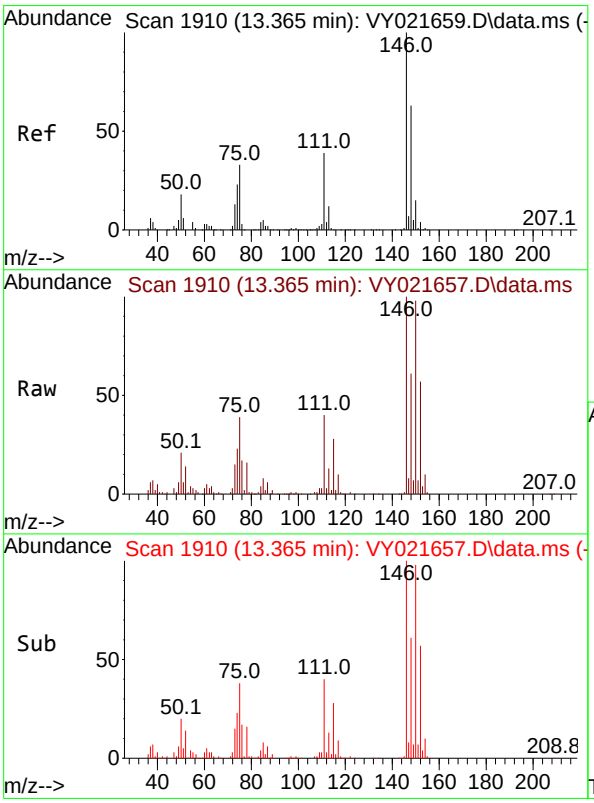
#87
1,3-Dichlorobenzene
Concen: 10.098 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 53929

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	64.4	31.8	95.4

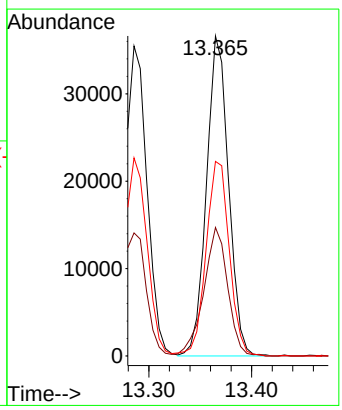


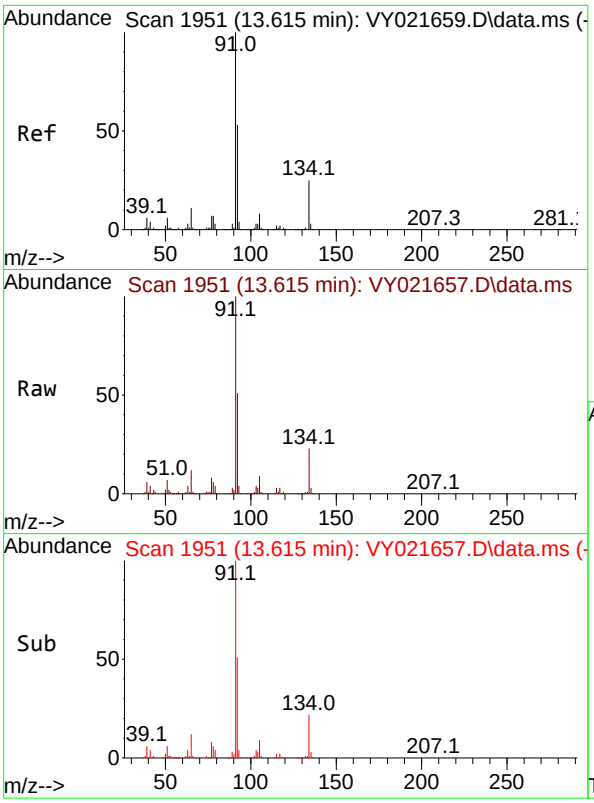


#88
1,4-Dichlorobenzene
Concen: 10.336 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:146 Resp: 54536

Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.1	57.1
148	64.4	31.5	94.5



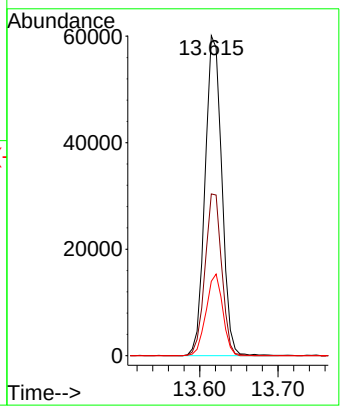


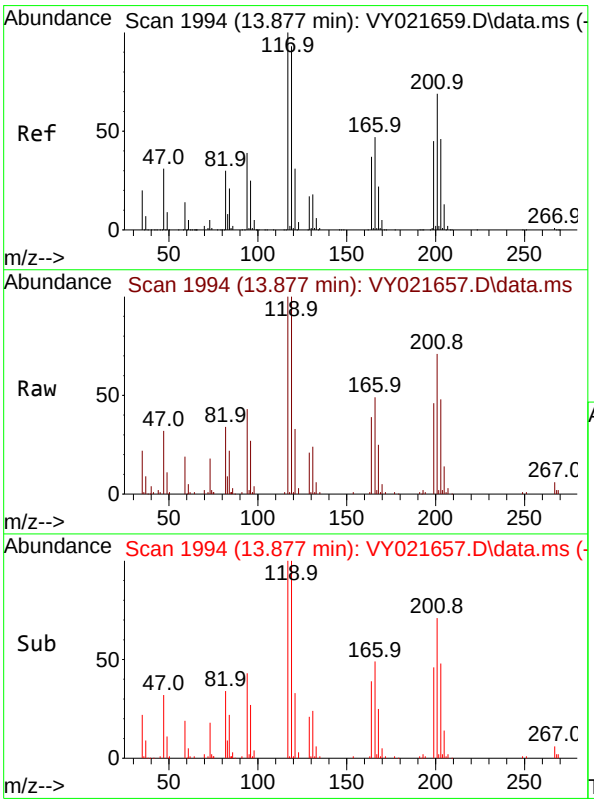
#89
n-Butylbenzene
Concen: 9.712 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 89162

Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.4	79.2
134	25.4	12.8	38.4

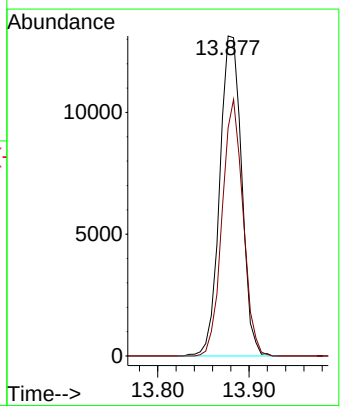


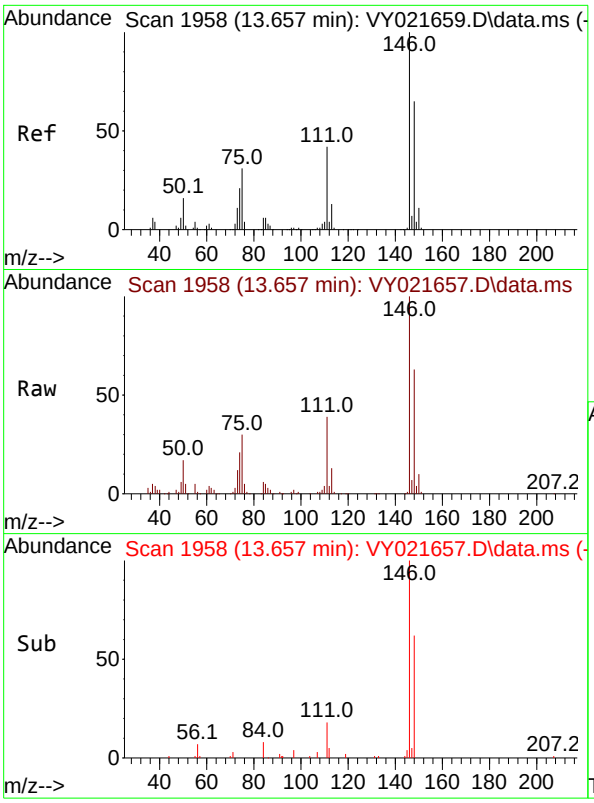


#90
Hexachloroethane
Concen: 10.059 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 21881

Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.4	112.1



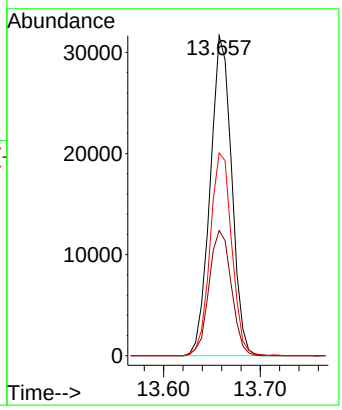


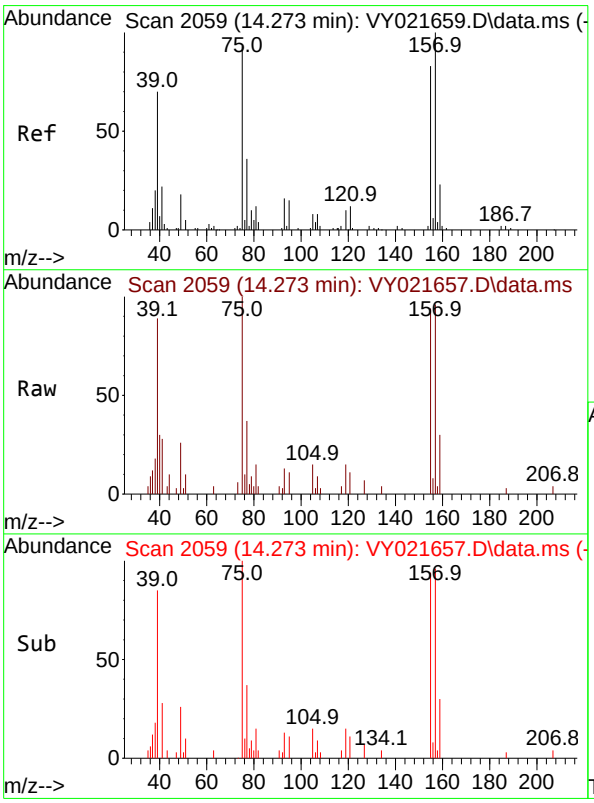
#91
1,2-Dichlorobenzene
Concen: 10.506 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 48845

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	63.8	32.3	96.9

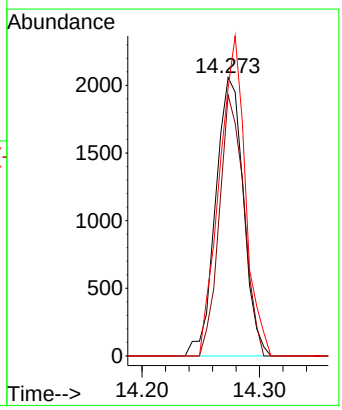


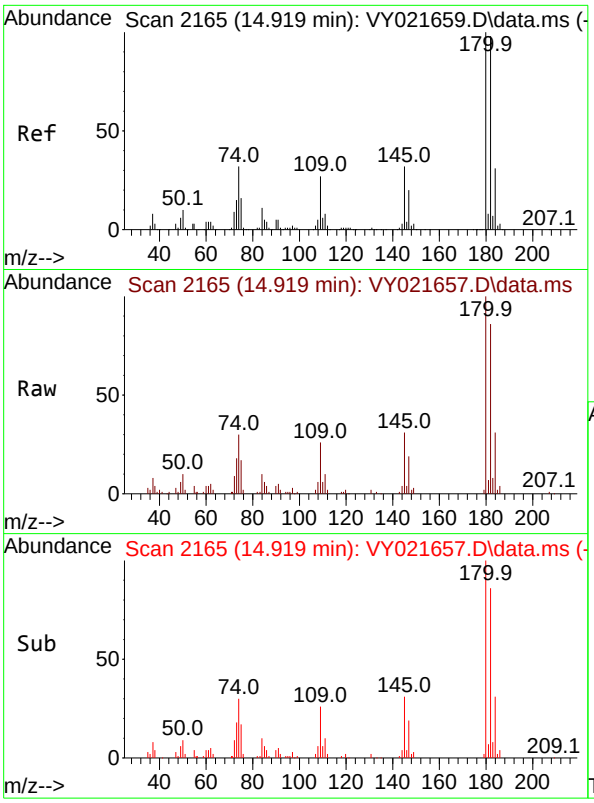


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.766 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3387

Ion	Ratio	Lower	Upper
75	100		
155	82.8	43.0	128.8
157	107.6	54.0	162.0



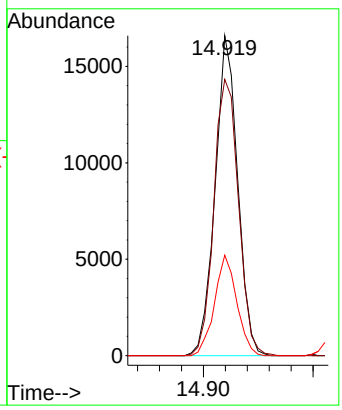


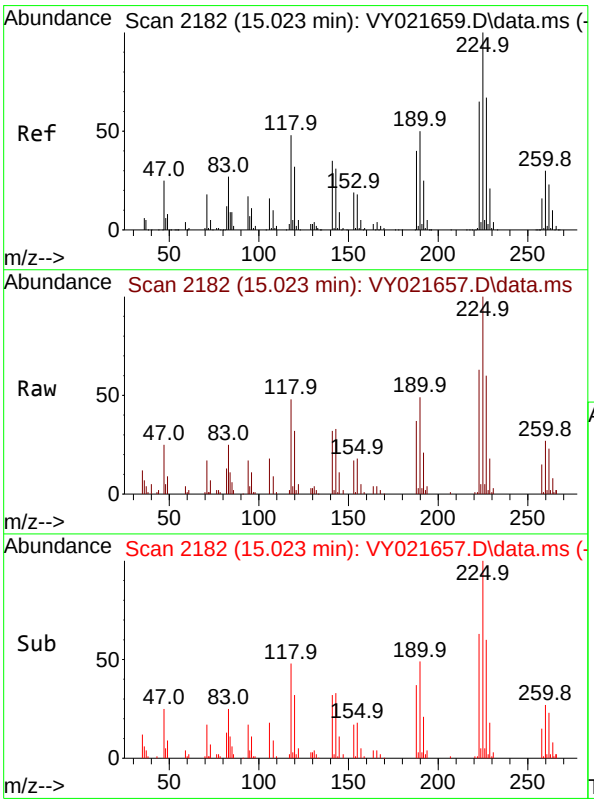
#93
1,2,4-Trichlorobenzene
Concen: 9.419 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 23748

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	31.1	14.9	44.9

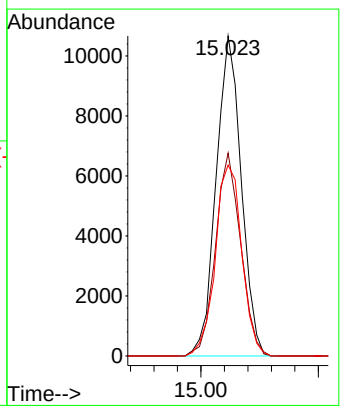


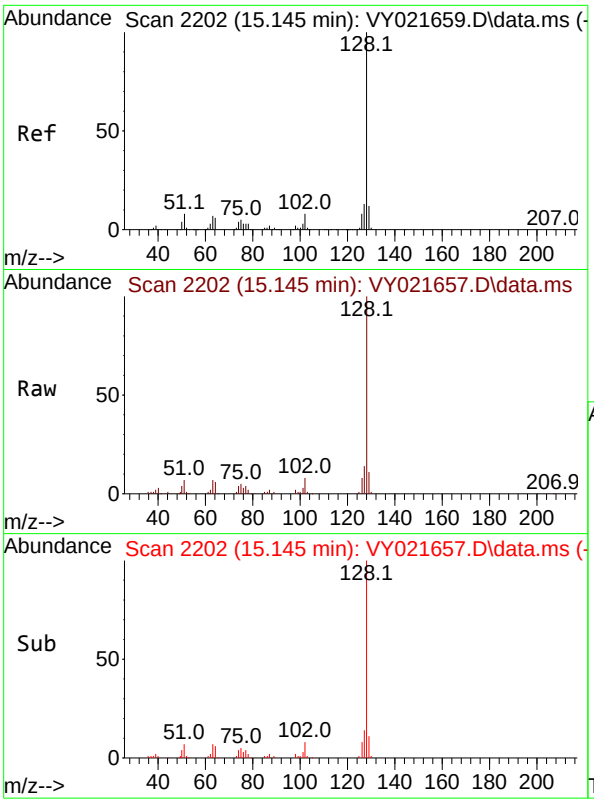


#94
Hexachlorobutadiene
Concen: 10.063 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:225 Resp: 15844

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.0	32.4	97.0



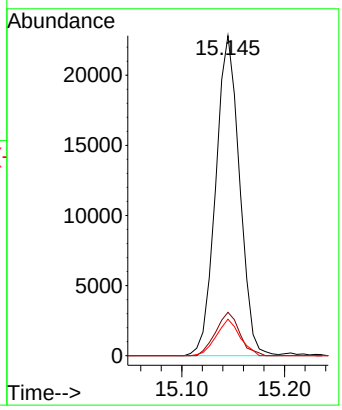


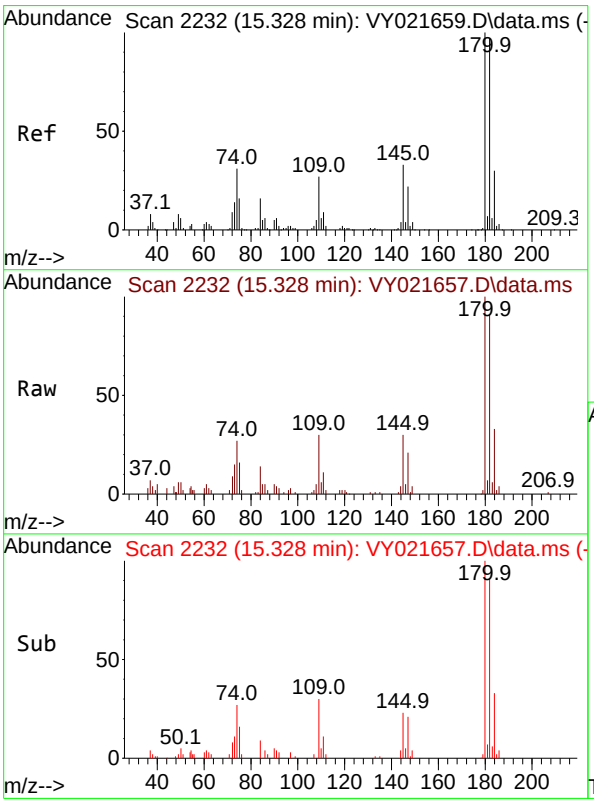
#95
Naphthalene
Concen: 8.785 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 36711

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.3	8.8	13.2

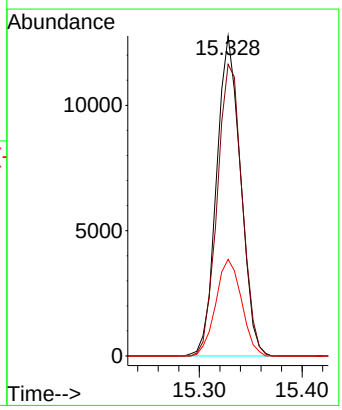




#96
1,2,3-Trichlorobenzene
Concen: 9.633 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:180 Resp: 20711

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	32.4	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.080%#		
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.820%#		
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.520%#		
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l		99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l	#	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l		95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l		98
46) Dibromomethane	9.231	93	28698	19.067	ug/l		97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l		99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l		94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l		98
52) Toluene	10.170	92	133126	19.340	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l		98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l		97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l		98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l		99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l		100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l		97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l		97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l		98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l		98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l		99
69) o-Xylene	11.957	106	87927	19.462	ug/l		98
70) Styrene	11.969	104	147490	19.580	ug/l		99
71) Bromoform	12.133	173	29726	19.706	ug/l	#	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l		100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	55725	34.364	ug/l	#	100
77) Bromobenzene	12.530	156	55776	19.119	ug/l		99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l		100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l		97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l		100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l		99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l		100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l		98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l		99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l		100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l		99
95) Naphthalene	15.145	128	82325	18.305	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

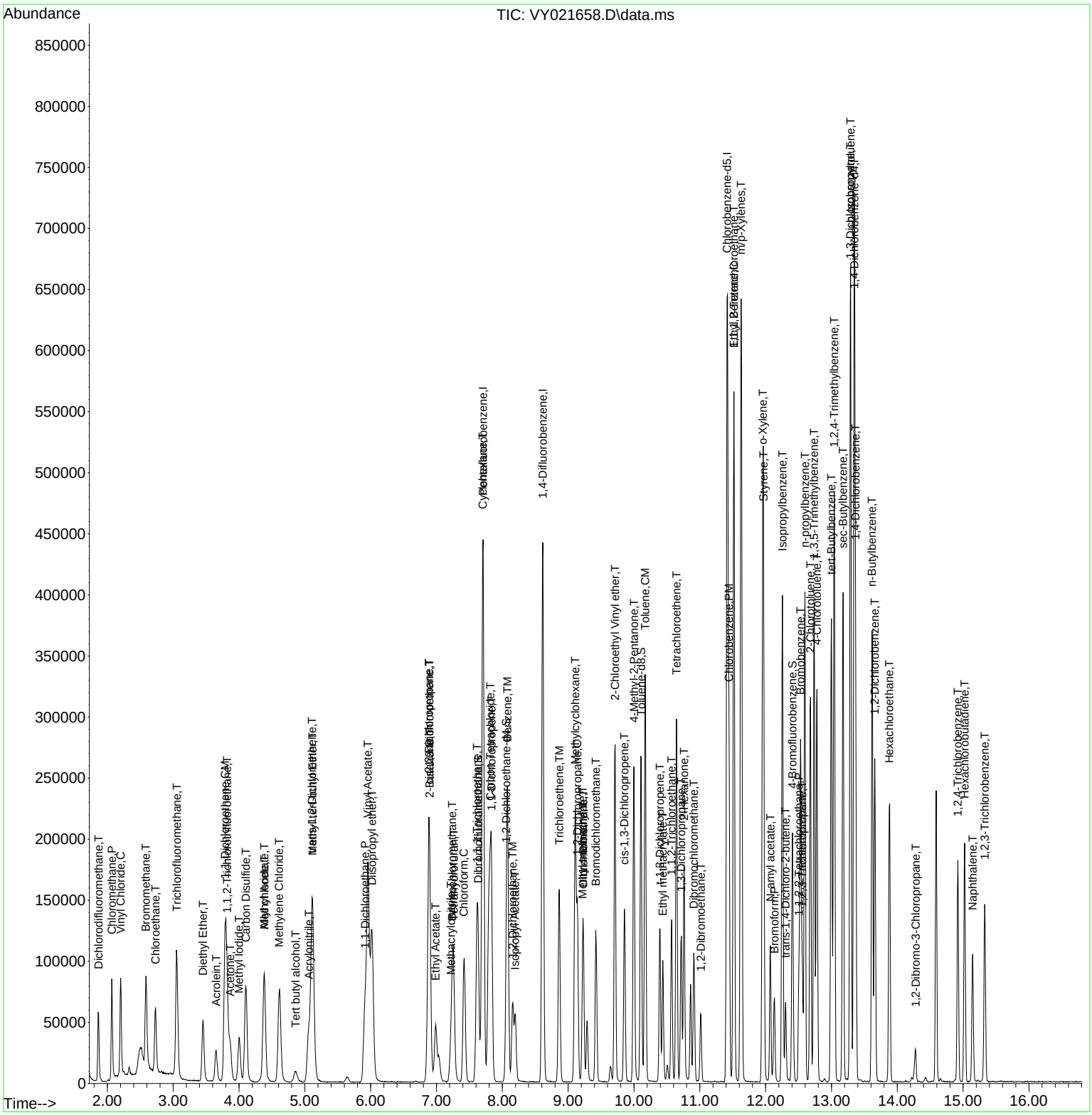
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

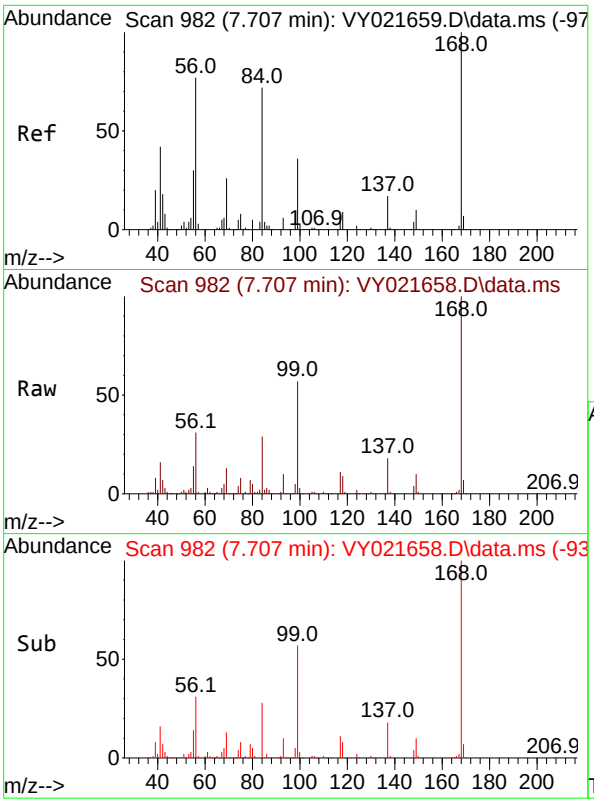
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
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: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration



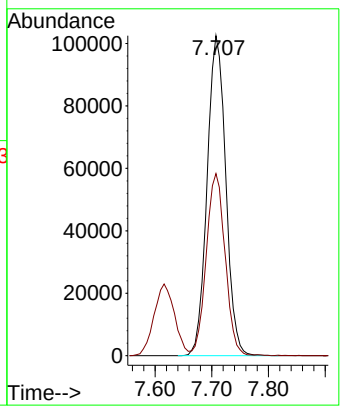


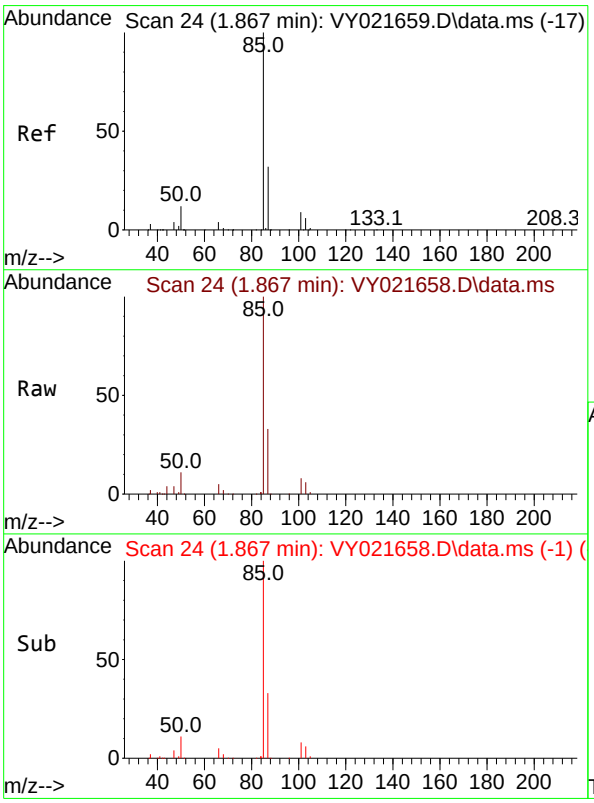
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 234060

Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1

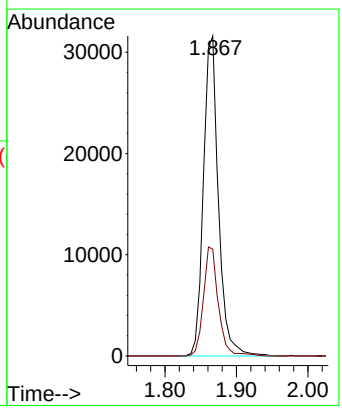


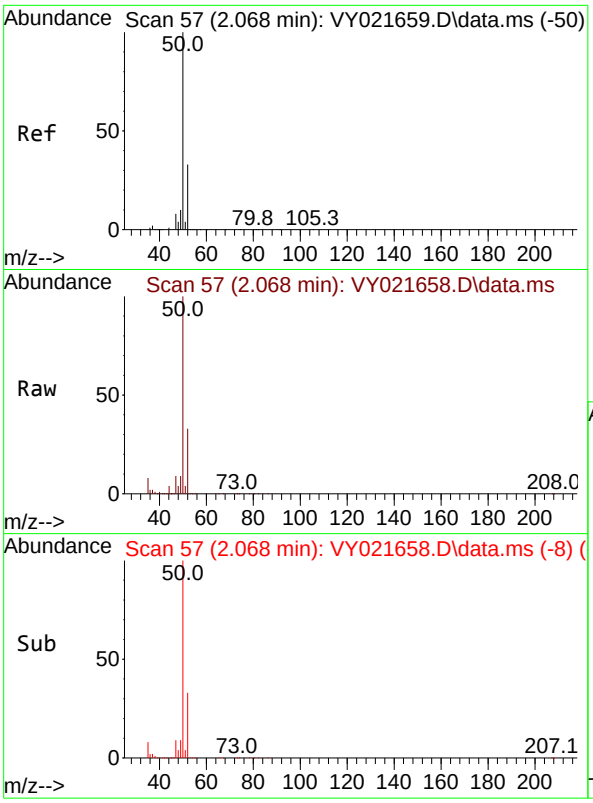


#2
Dichlorodifluoromethane
Concen: 19.011 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 85 Resp: 46121

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.2	48.6



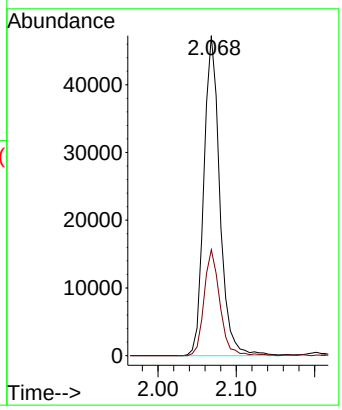


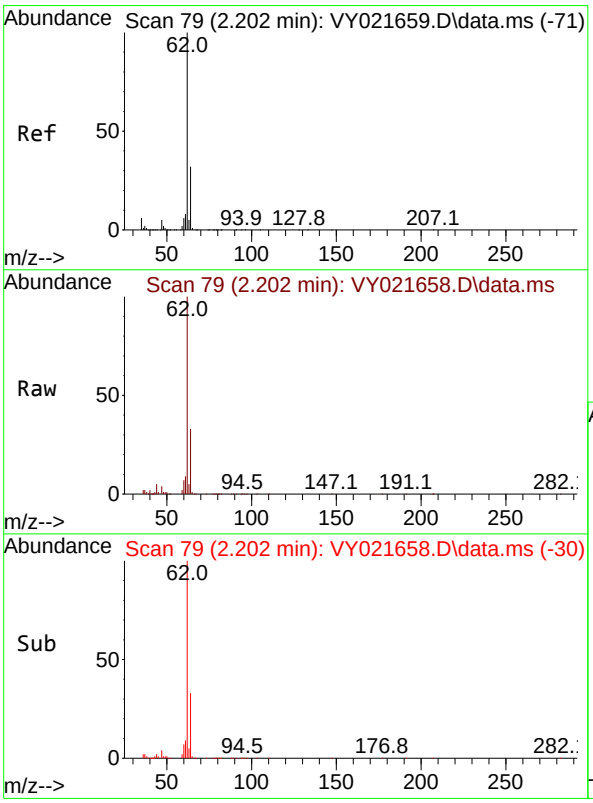
#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 66775

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.3	39.5

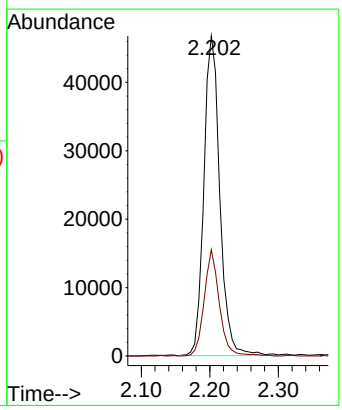


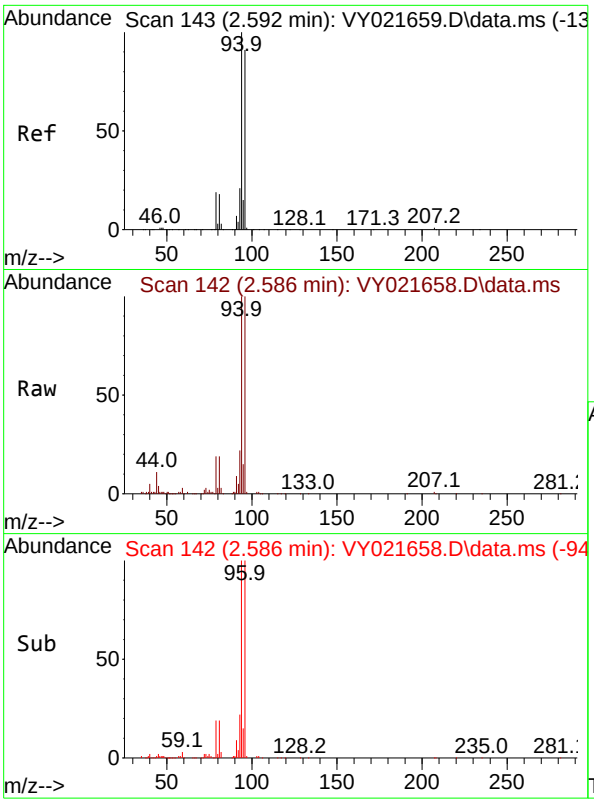


#4
Vinyl Chloride
Concen: 19.664 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 75860

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.5	38.3



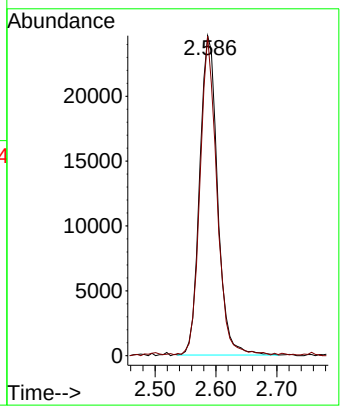


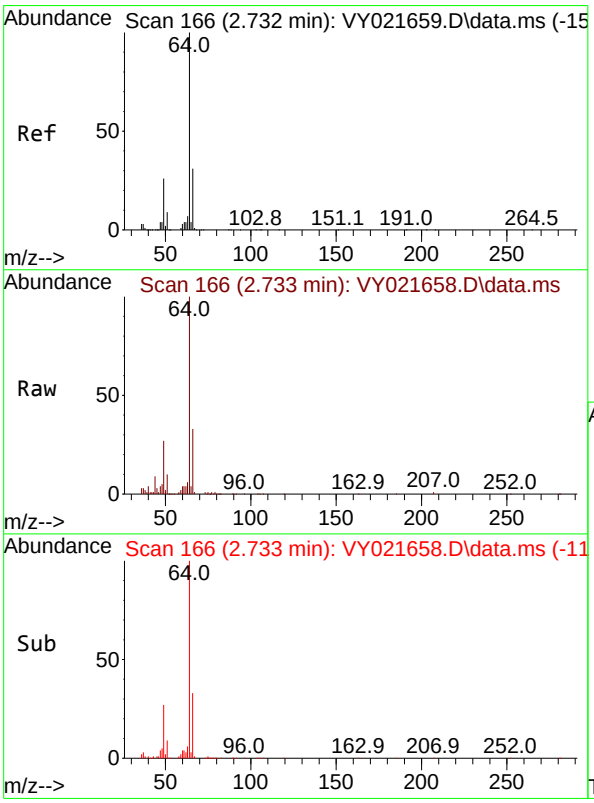
#5
Bromomethane
Concen: 19.093 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 50238

Ion	Ratio	Lower	Upper
94	100		
96	99.7	72.8	109.2

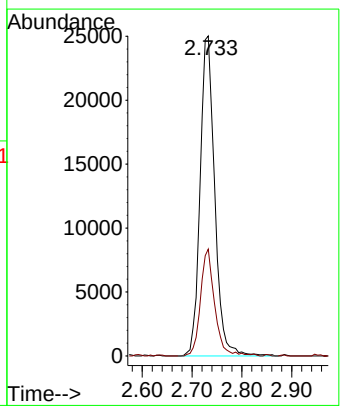


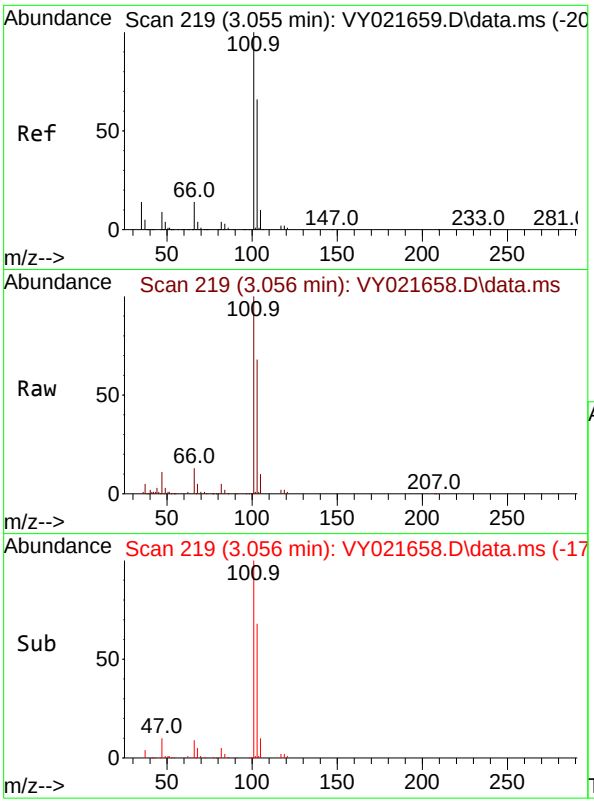


#6
Chloroethane
Concen: 20.184 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 64 Resp: 50953

Ion	Ratio	Lower	Upper
64	100		
66	33.4	24.9	37.3



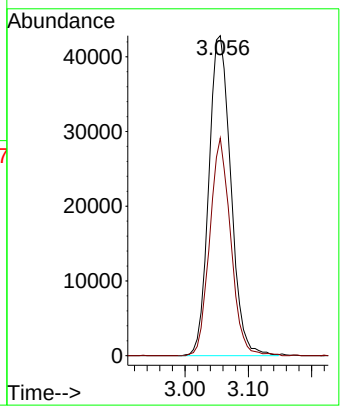


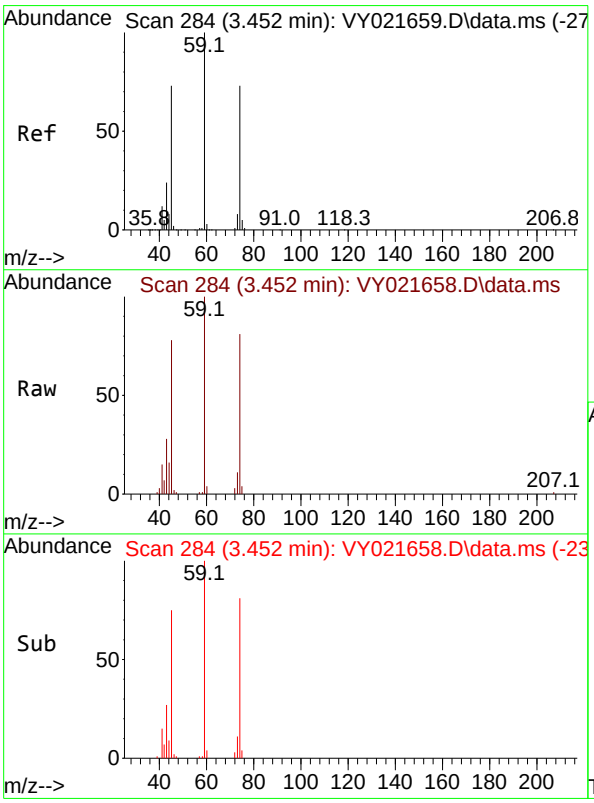
#7
Trichlorofluoromethane
Concen: 20.913 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 103348

Ion	Ratio	Lower	Upper
101	100		
103	68.0	53.1	79.7

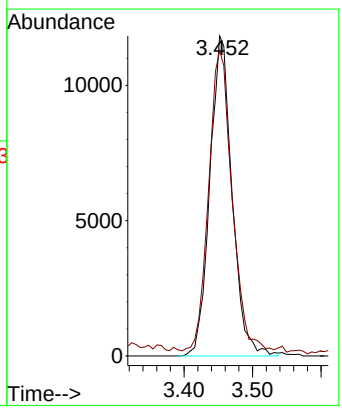


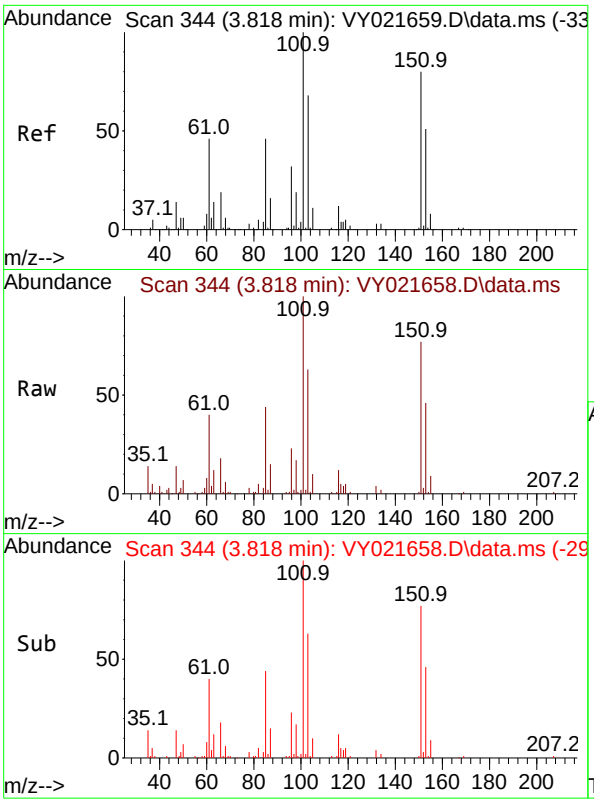


#8
Diethyl Ether
Concen: 19.788 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 74 Resp: 26594

Ion	Ratio	Lower	Upper
74	100		
45	98.3	48.6	145.8



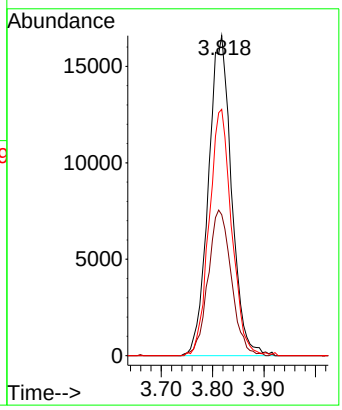


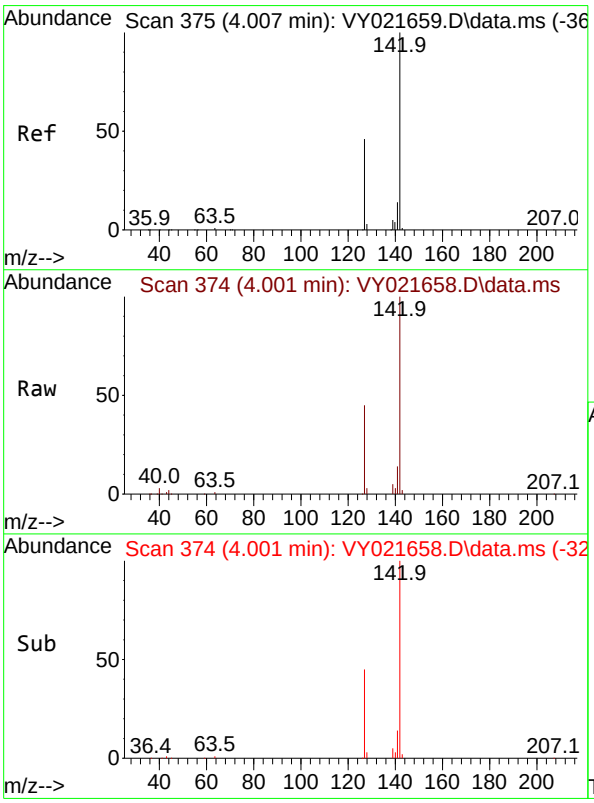
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.871 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 51794

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.3	54.5
151	75.2	61.3	91.9

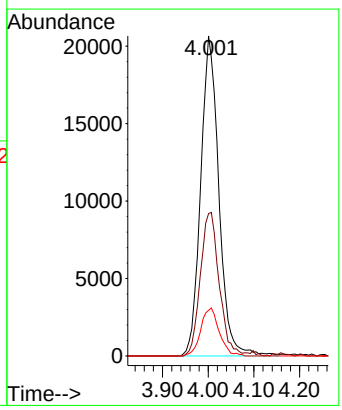


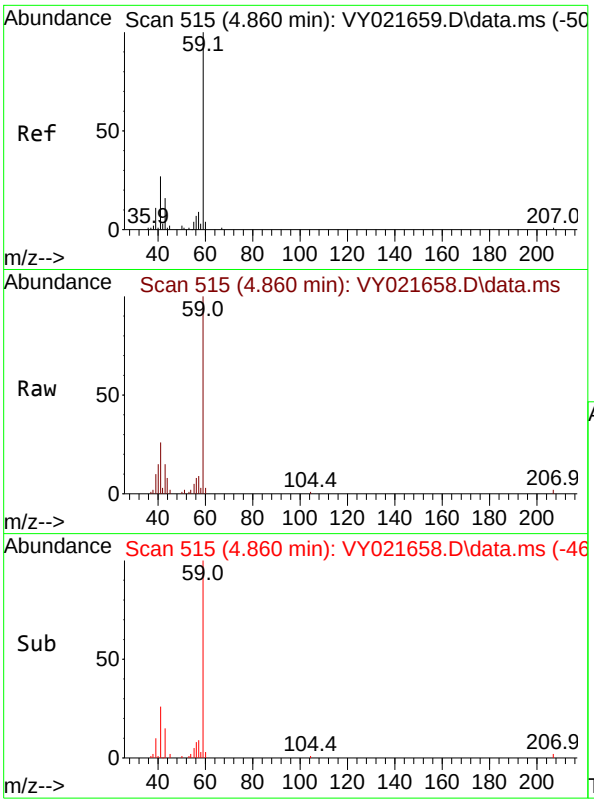


#10
Methyl Iodide
Concen: 19.974 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:142 Resp: 57115

Ion	Ratio	Lower	Upper
142	100		
127	46.4	38.7	58.1
141	15.2	11.5	17.3



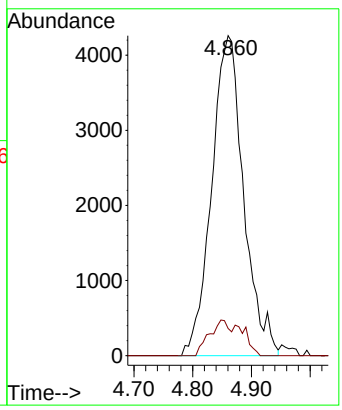


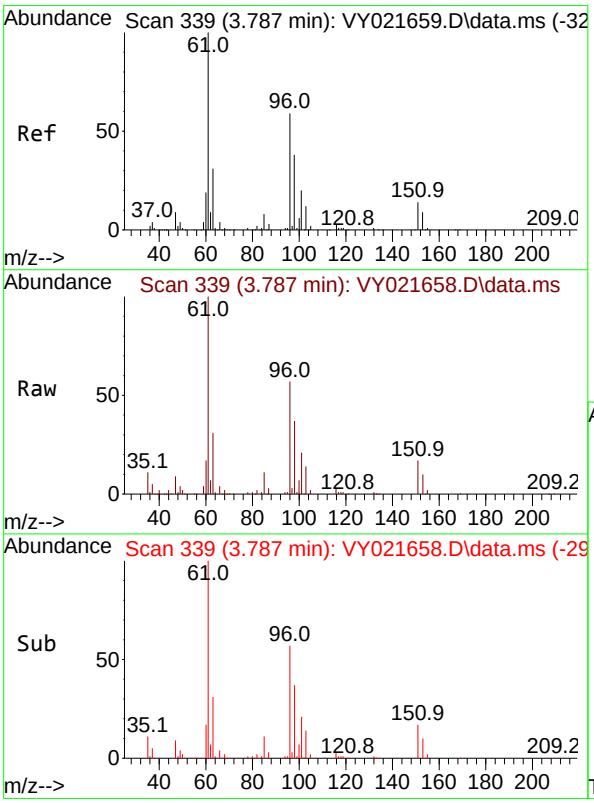
#11
Tert butyl alcohol
Concen: 97.834 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 16115

Ion	Ratio	Lower	Upper
59	100		
57	7.2	9.2	13.8#

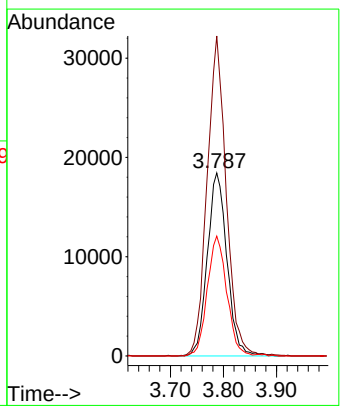


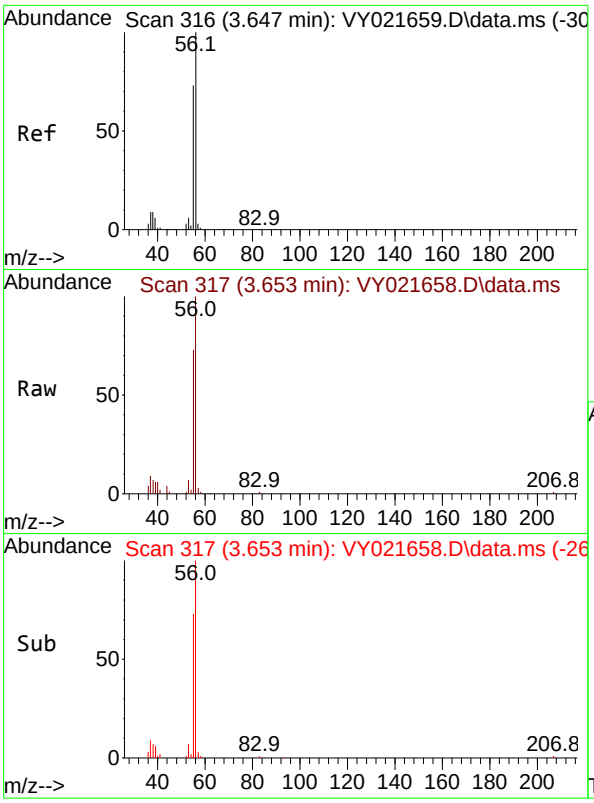


#12
1,1-Dichloroethene
Concen: 19.362 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 47534

Ion	Ratio	Lower	Upper
96	100		
61	174.8	136.6	204.8
98	65.5	52.3	78.5



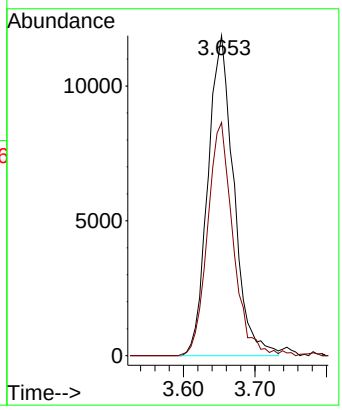


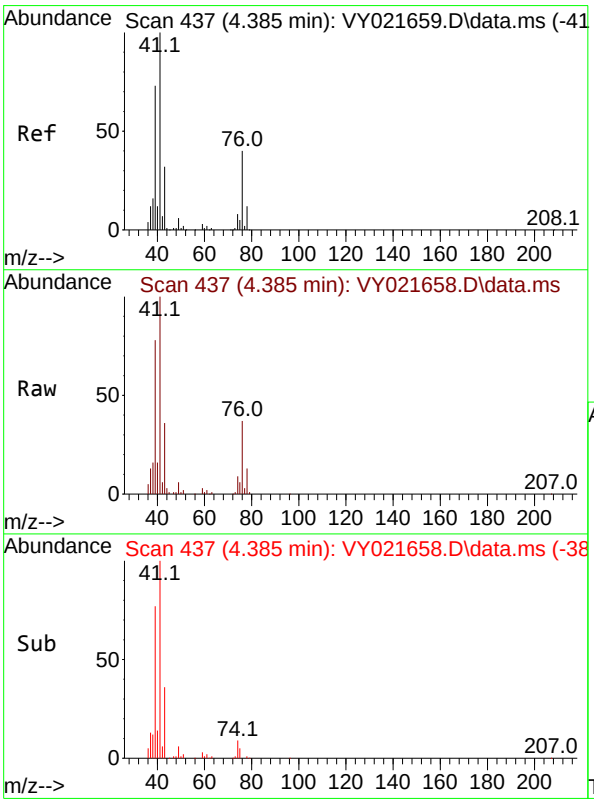
#13
Acrolein
Concen: 99.170 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 29827

Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.6	85.0

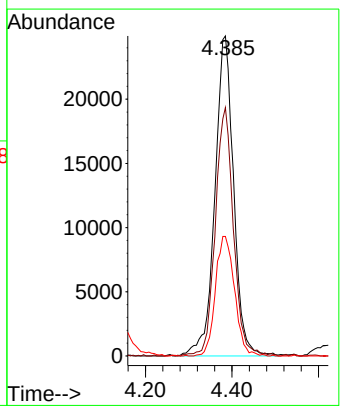


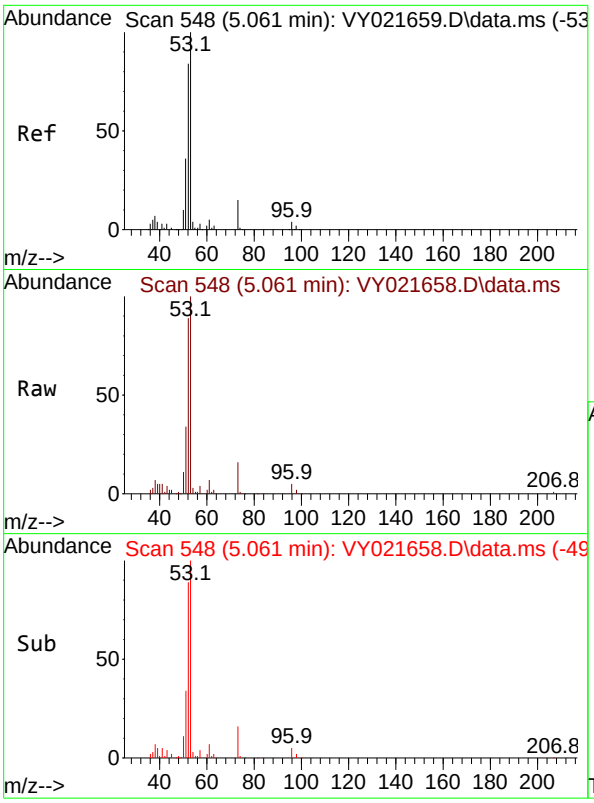


#14
Allyl chloride
Concen: 19.203 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 75169

Ion	Ratio	Lower	Upper
41	100		
39	75.3	58.6	88.0
76	38.1	30.3	45.5



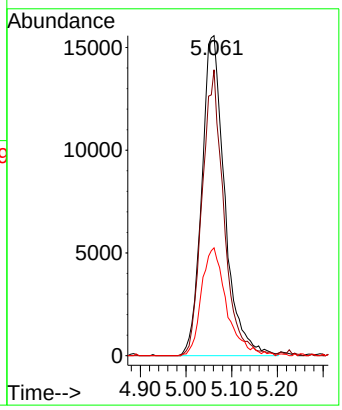


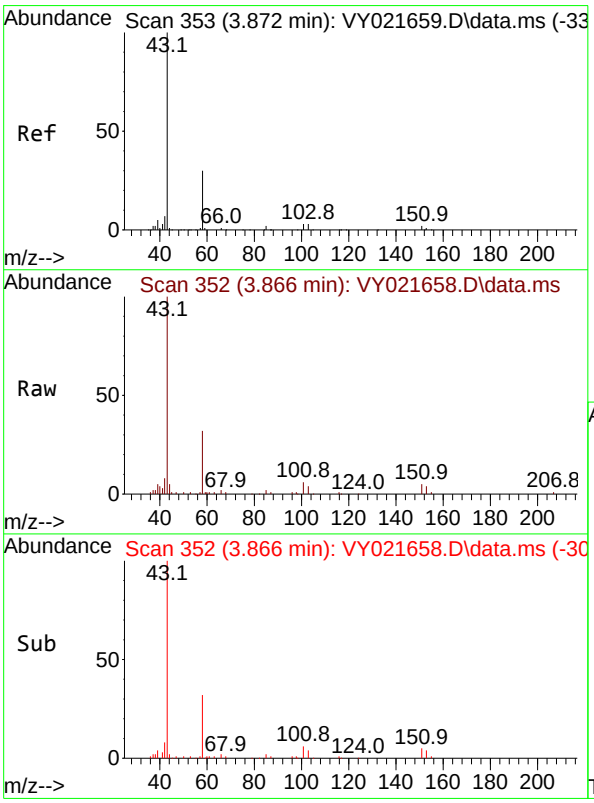
#15
Acrylonitrile
Concen: 97.084 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 54478

Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.9	97.3
51	36.5	30.2	45.2

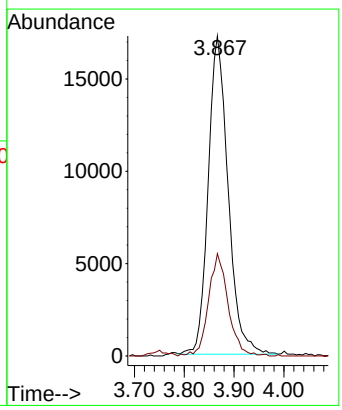


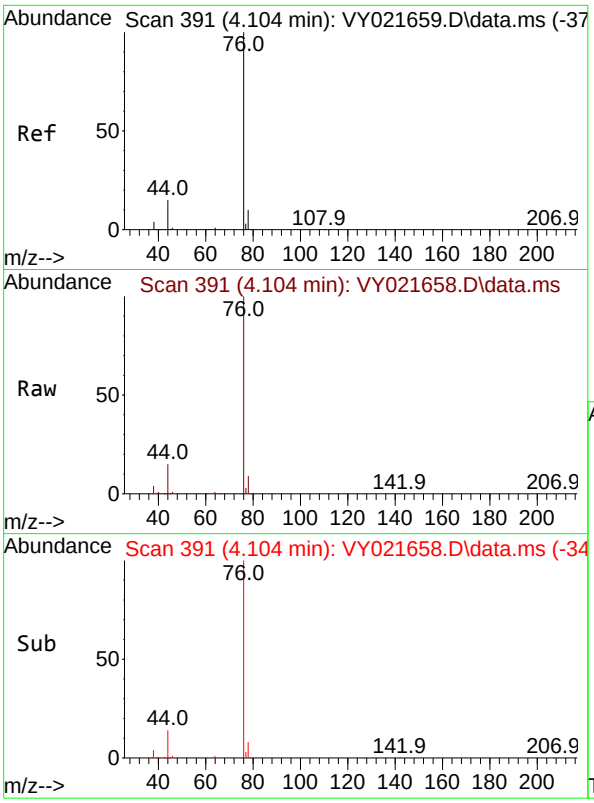


#16
Acetone
Concen: 92.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 47787

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4



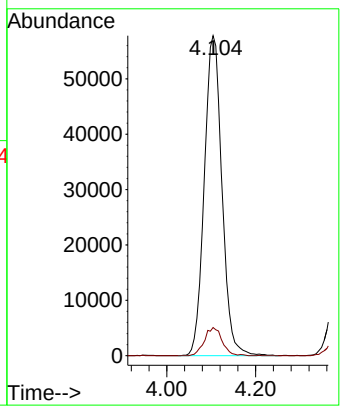


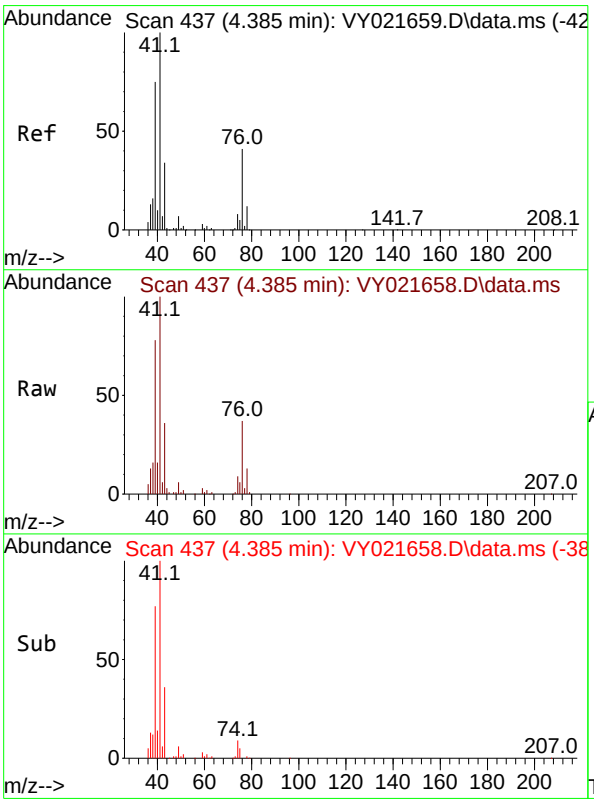
#17
Carbon Disulfide
Concen: 19.782 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 159960

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

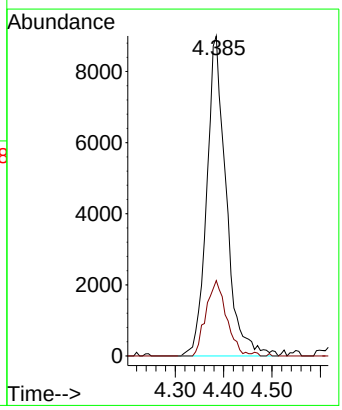


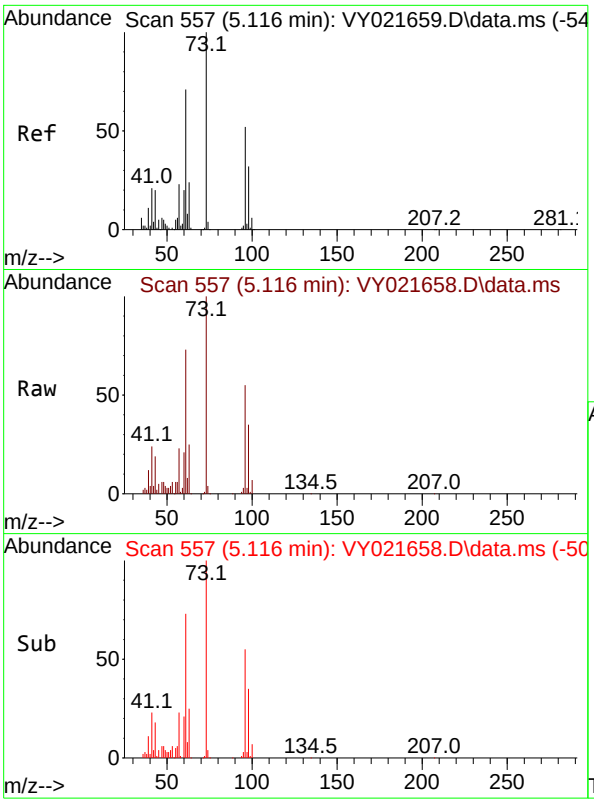


#18
Methyl Acetate
Concen: 19.560 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 25160

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7



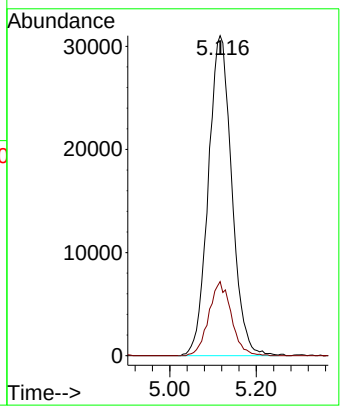


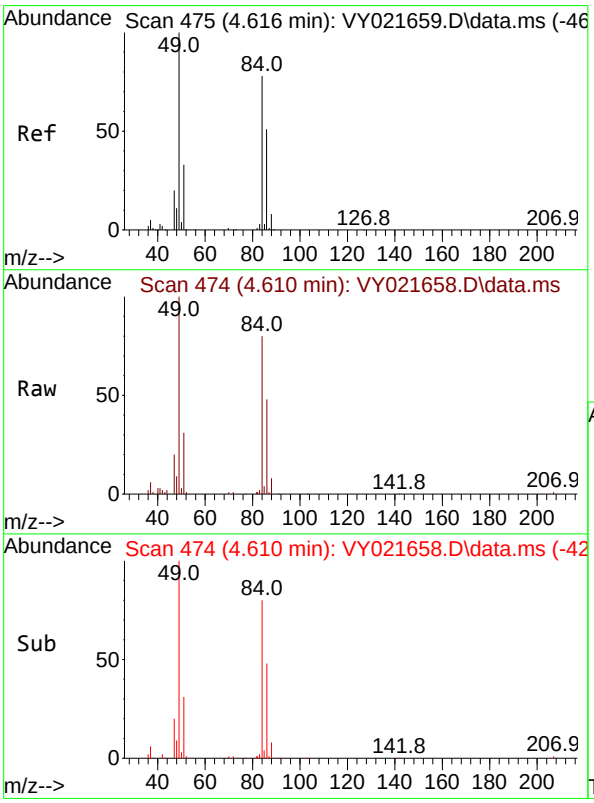
#19
Methyl tert-butyl Ether
Concen: 19.099 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 116736

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.1	27.1

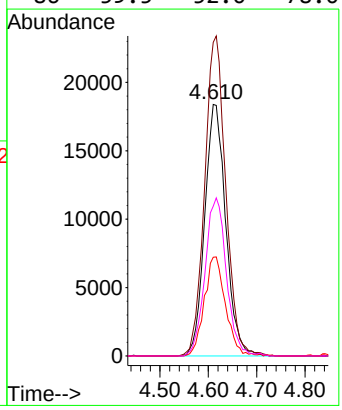


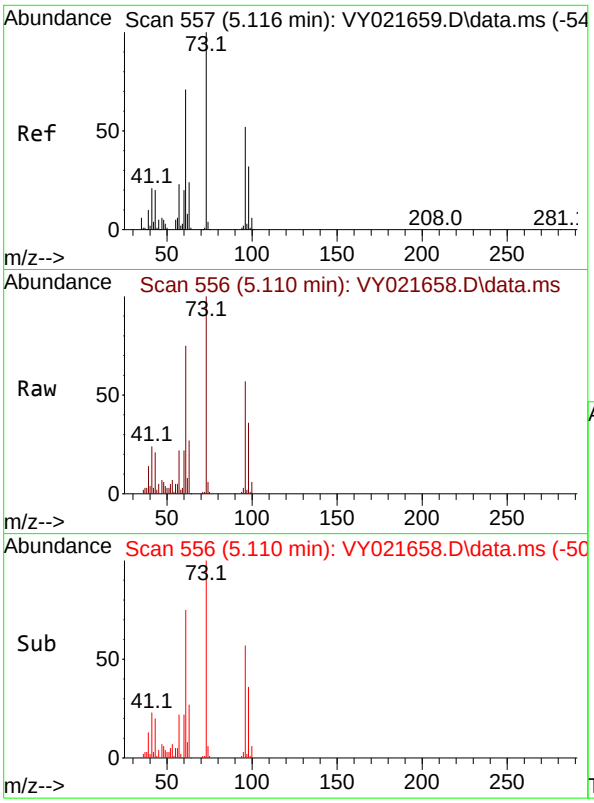


#20
Methylene Chloride
Concen: 19.525 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 84 Resp: 55574

Ion	Ratio	Lower	Upper
84	100		
49	124.6	102.8	154.2
51	39.2	33.5	50.3
86	59.5	52.0	78.0



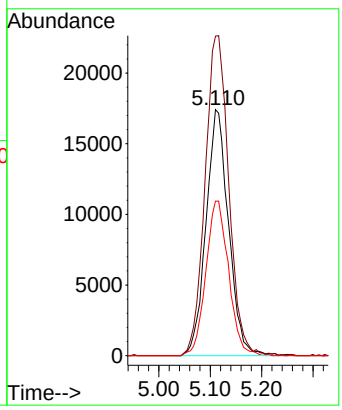


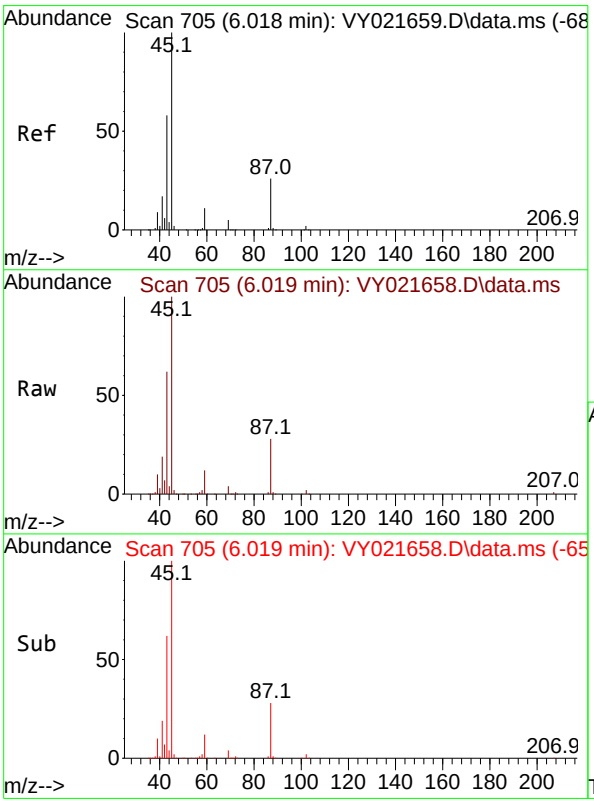
#21
trans-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 53188

Ion	Ratio	Lower	Upper
96	100		
61	129.9	109.4	164.0
98	62.8	50.2	75.2

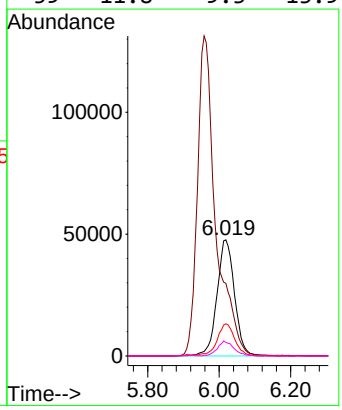


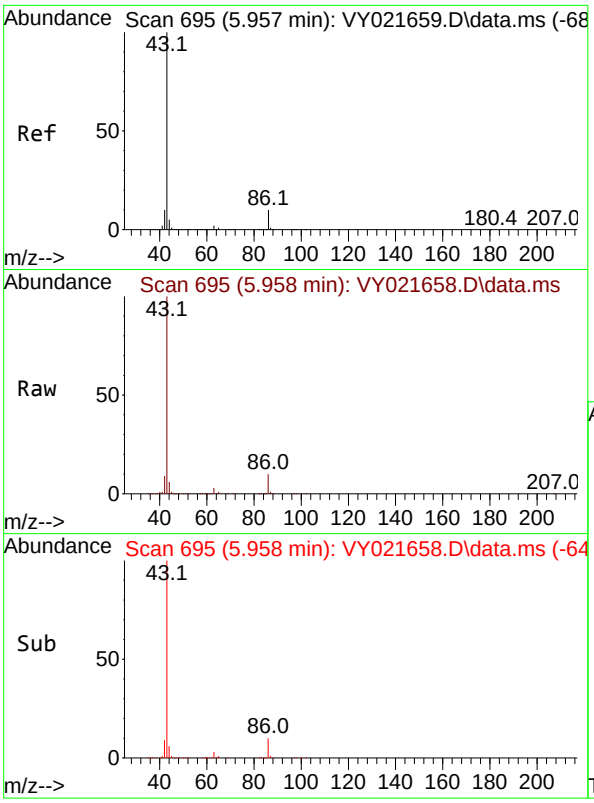


#22
Diisopropyl ether
Concen: 19.747 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 45 Resp: 162151

Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.6	69.8
87	27.7	20.7	31.1
59	11.8	9.3	13.9



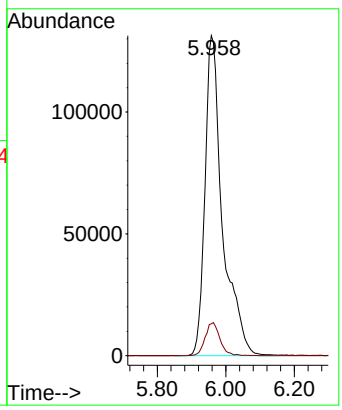


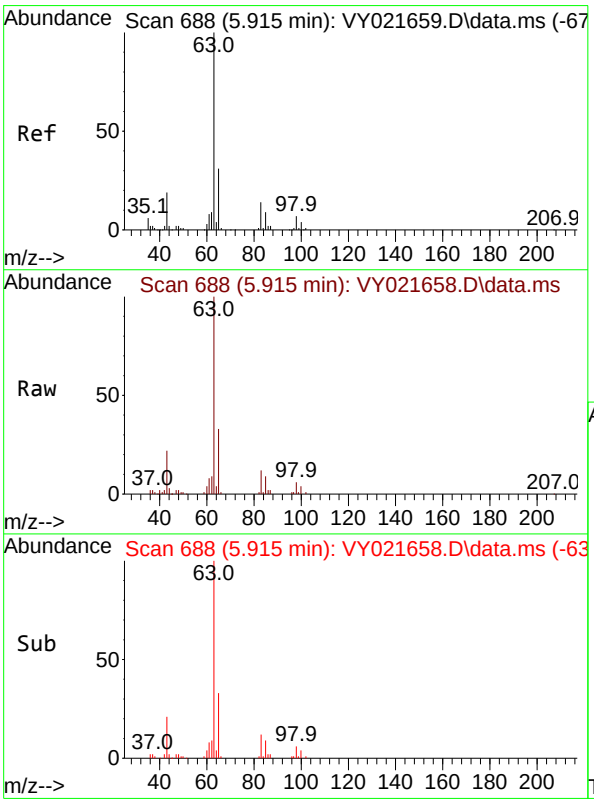
#23
Vinyl Acetate
Concen: 97.433 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 468035

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.2	12.2

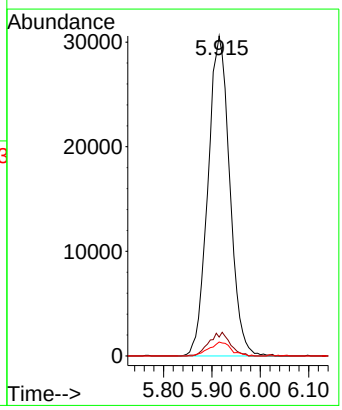


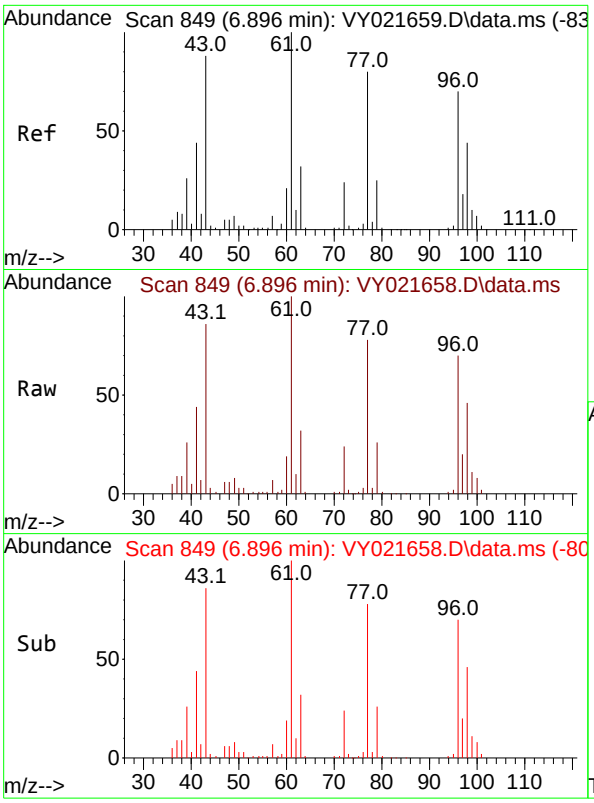


#24
1,1-Dichloroethane
Concen: 19.520 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 95841

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.5	10.5
100	4.4	2.2	6.6



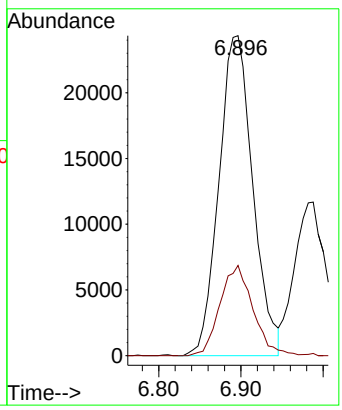


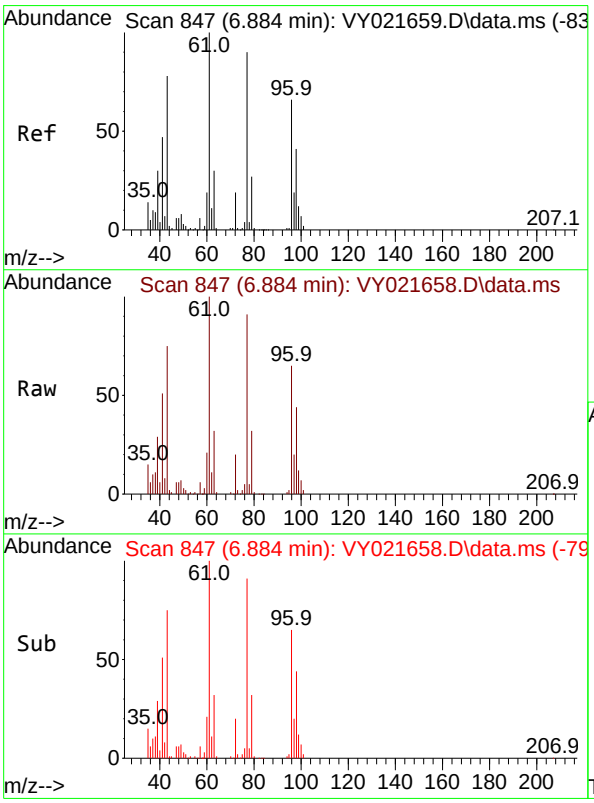
#25
2-Butanone
Concen: 94.233 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 69856

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2

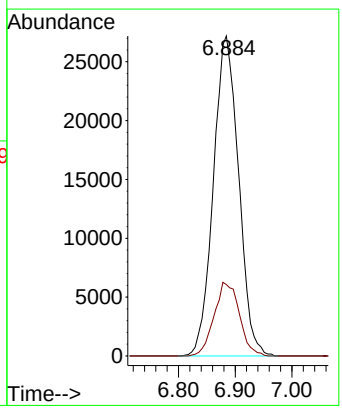


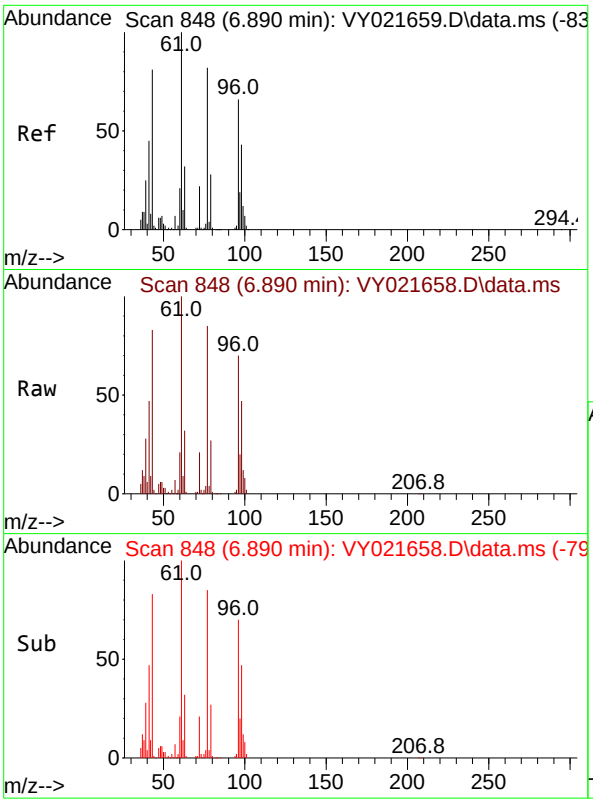


#26
2,2-Dichloropropane
Concen: 19.217 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 77 Resp: 83932

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.1	33.1



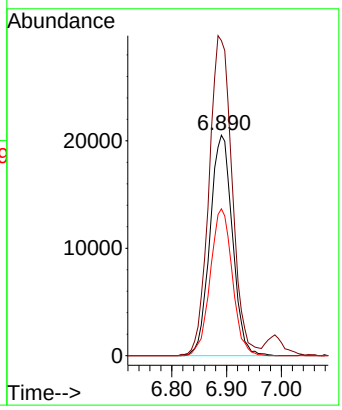


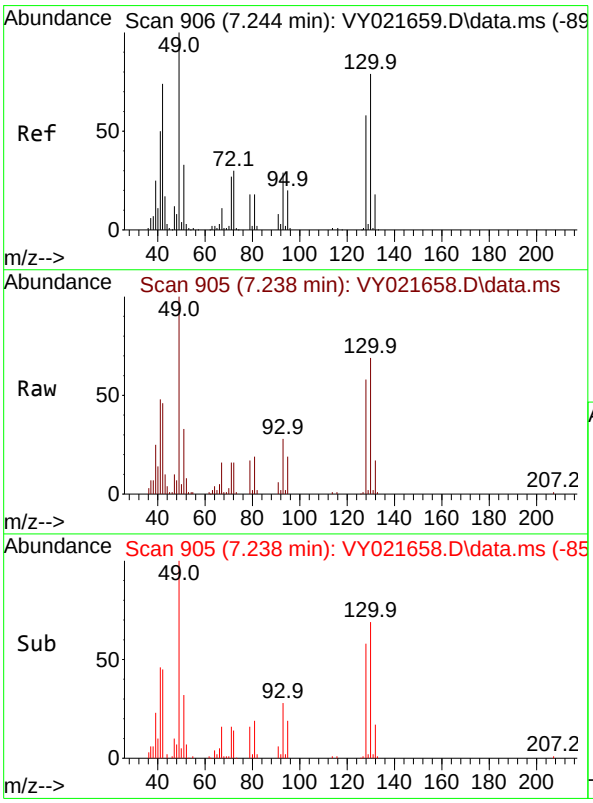
#27
cis-1,2-Dichloroethene
Concen: 19.266 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 58567

Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	296.4
98	65.3	0.0	128.0

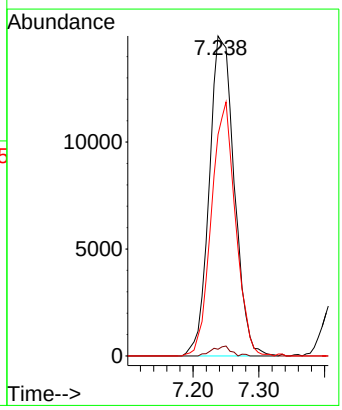


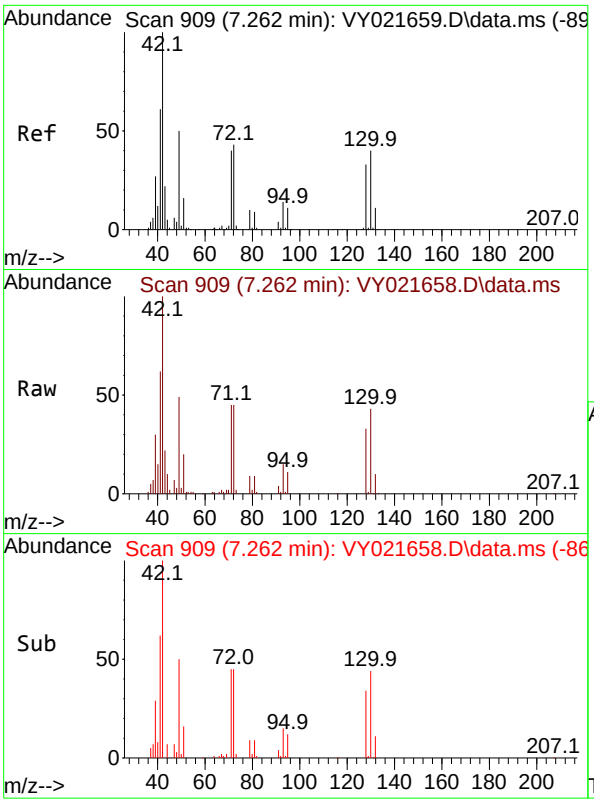


#28
Bromochloromethane
Concen: 19.149 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 49 Resp: 39653

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.4	60.1	90.1



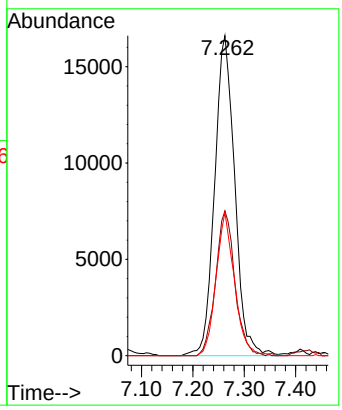


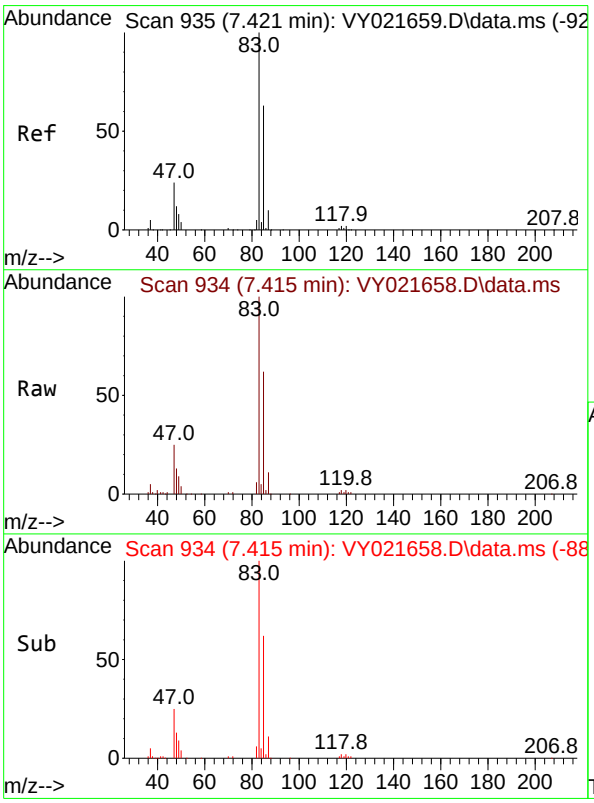
#29
Tetrahydrofuran
Concen: 94.626 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 45146

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	41.0	32.5	48.7

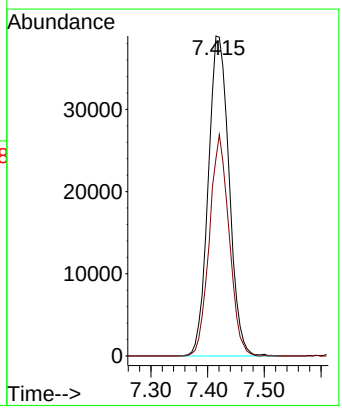


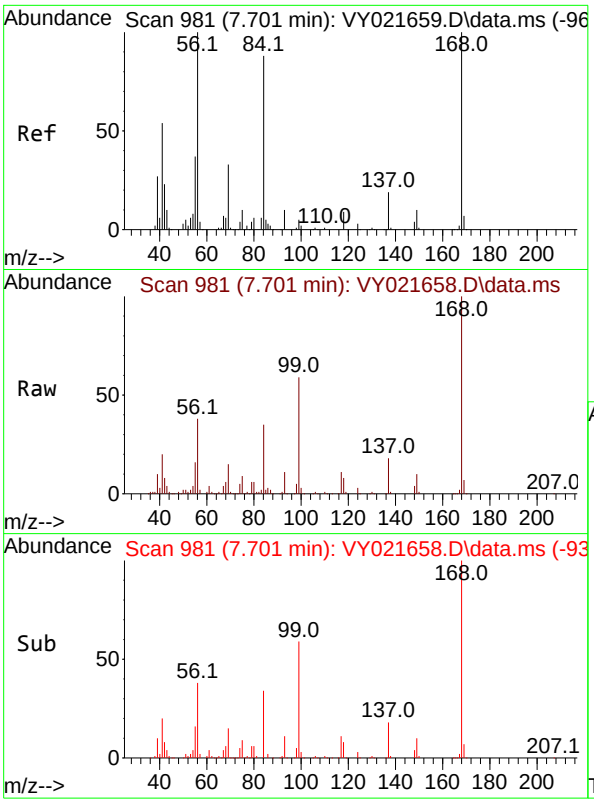


#30
Chloroform
Concen: 19.462 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 83 Resp: 99390

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8



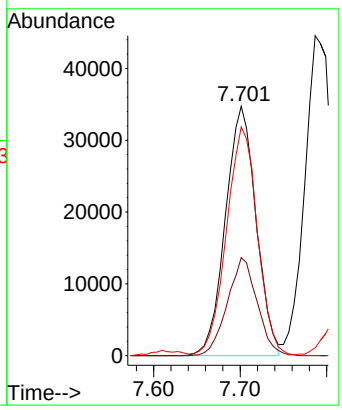


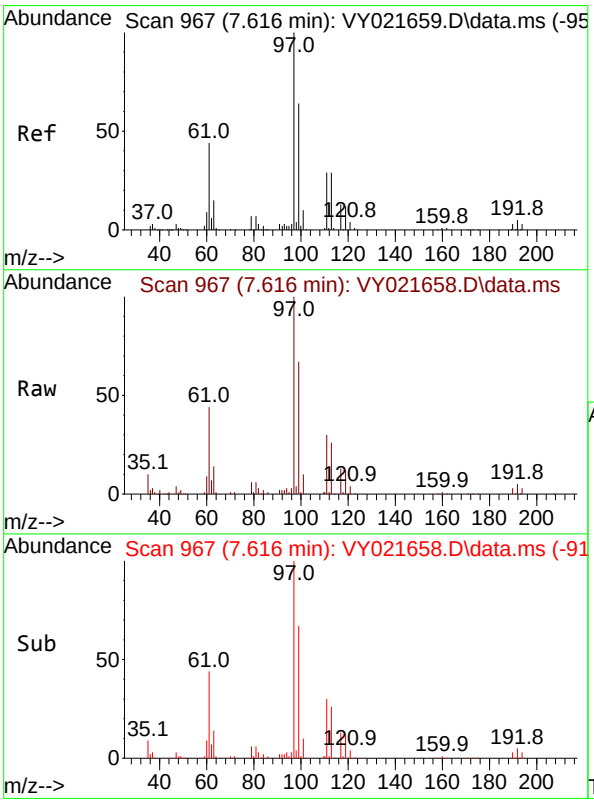
#31
Cyclohexane
Concen: 19.075 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 85377

Ion	Ratio	Lower	Upper
56	100		
69	39.3	26.6	40.0
84	90.0	69.0	103.4

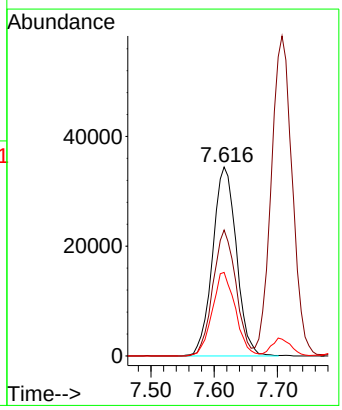


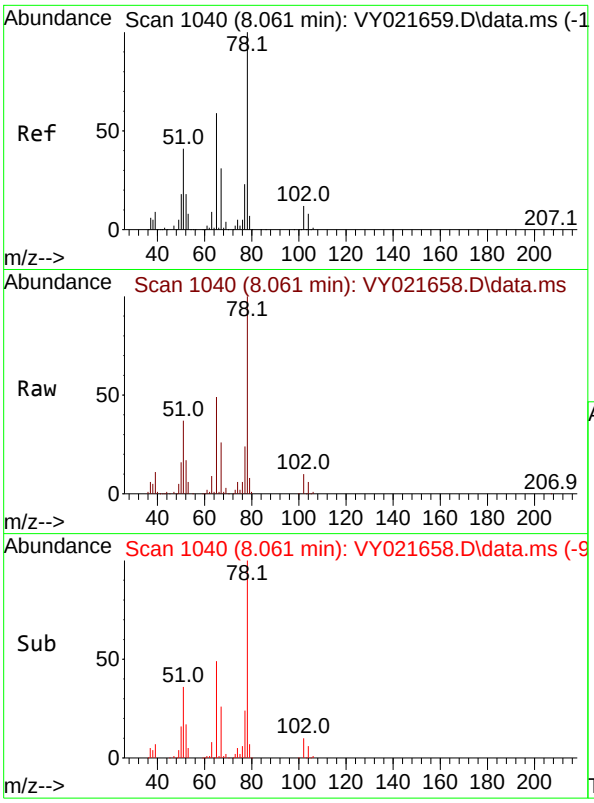


#32
1,1,1-Trichloroethane
Concen: 19.459 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 89818

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.2	35.2	52.8



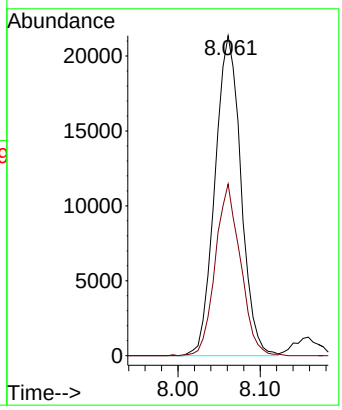


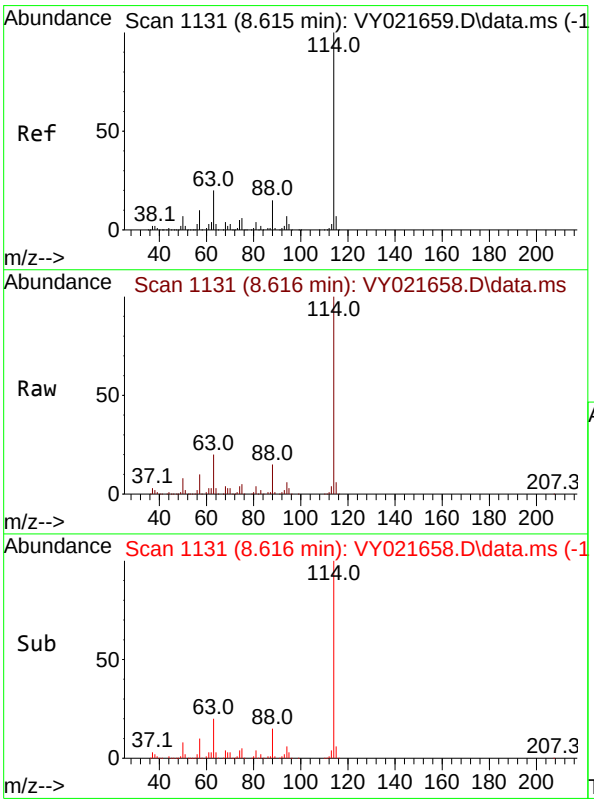
#33
1,2-Dichloroethane-d4
Concen: 18.542 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 47022

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6

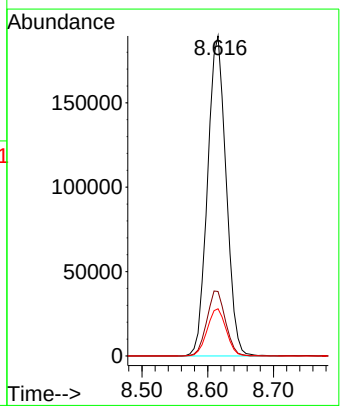


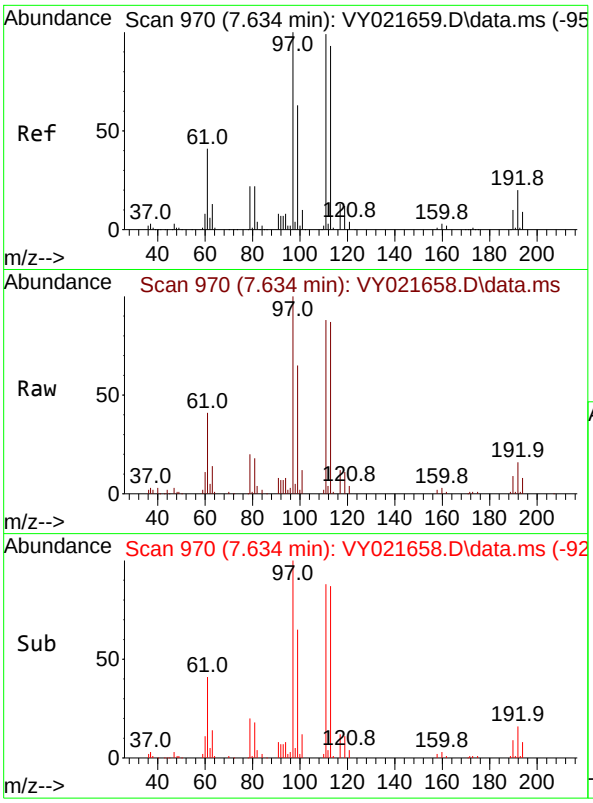


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:114 Resp: 372865

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	14.8	0.0	29.8



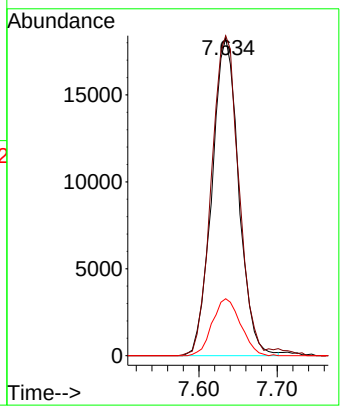


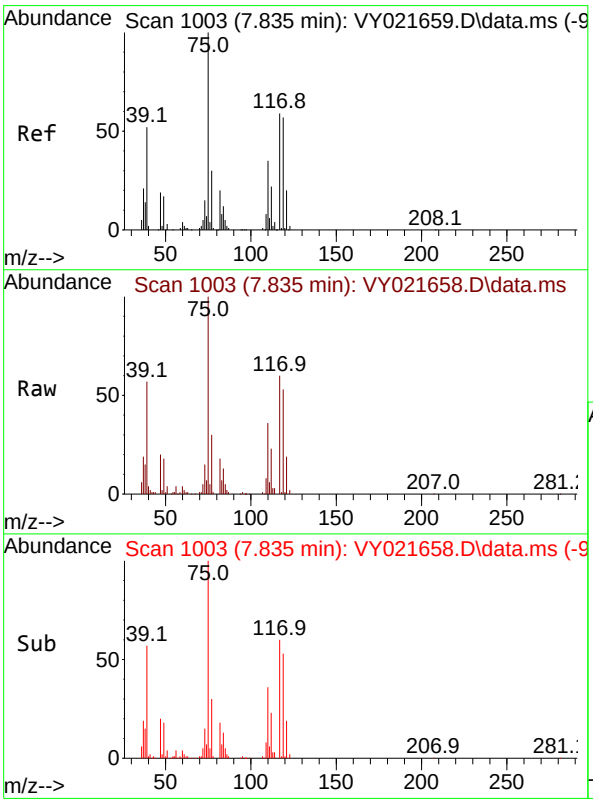
#35
Dibromofluoromethane
Concen: 17.910 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 43318

Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.6	123.8
192	19.0	16.2	24.4

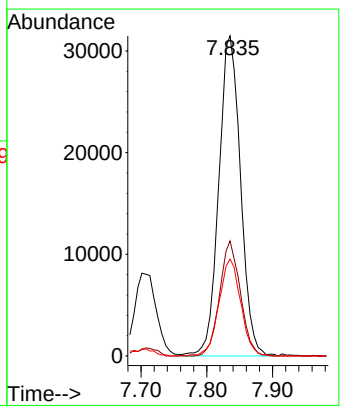


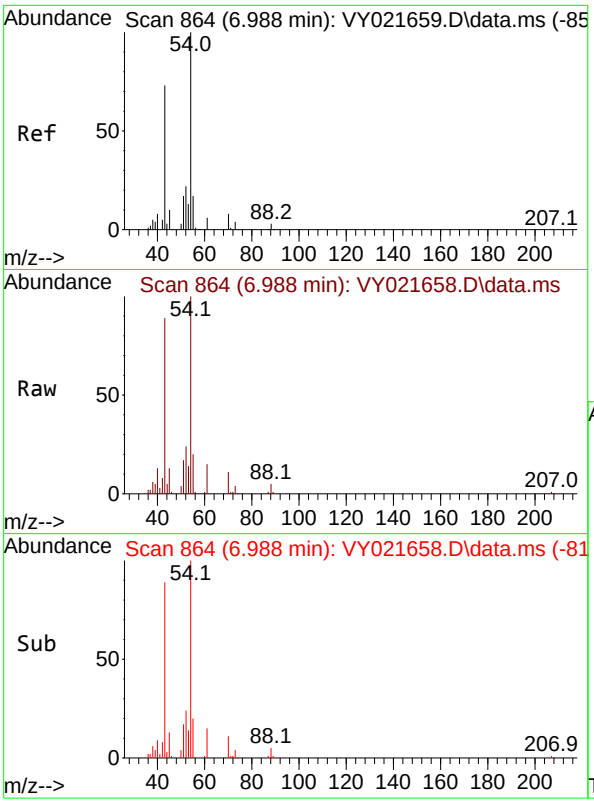


#36
1,1-Dichloropropene
Concen: 19.697 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 72566

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	30.3	24.8	37.2



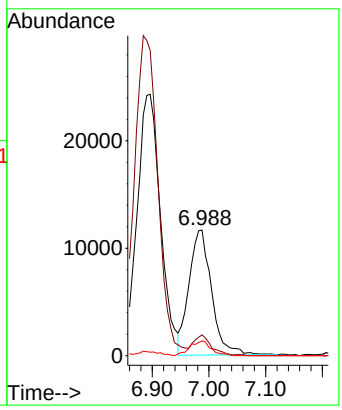


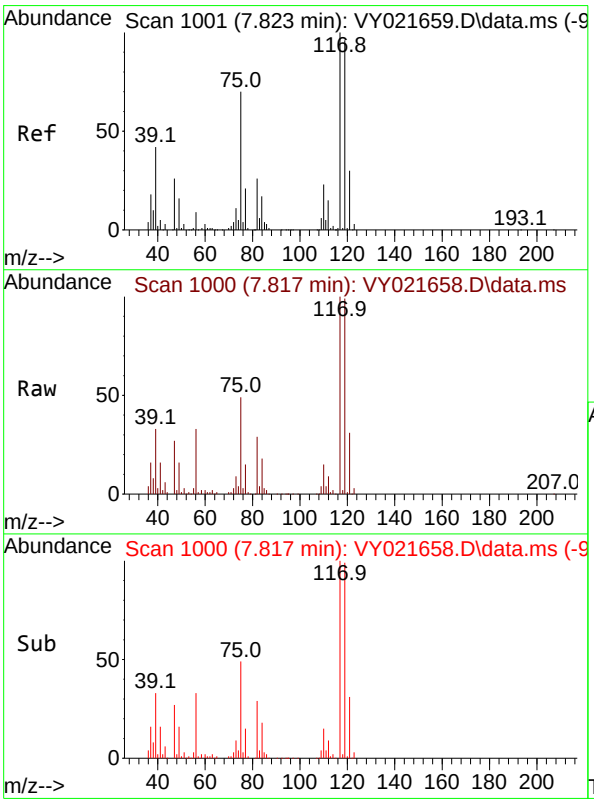
#37
Ethyl Acetate
Concen: 18.585 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 32313

Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.0	16.6
70	10.9	8.1	12.1

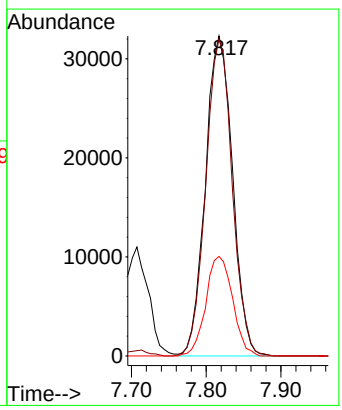


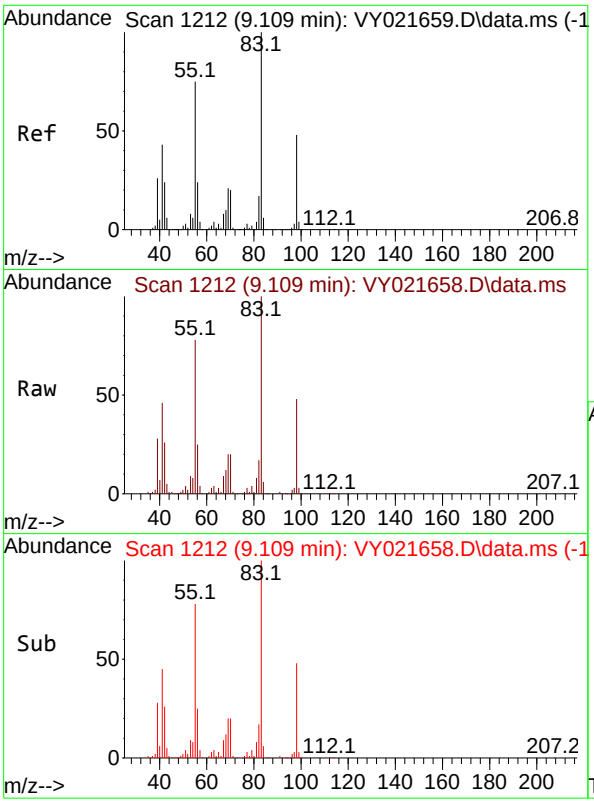


#38
Carbon Tetrachloride
Concen: 19.308 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 81472

Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.2	114.4
121	31.1	24.2	36.4



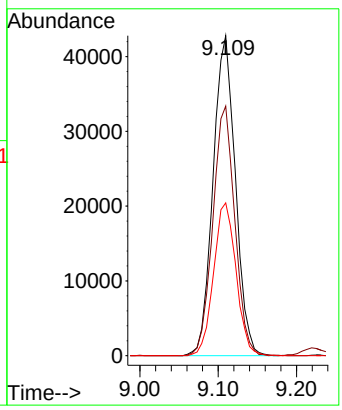


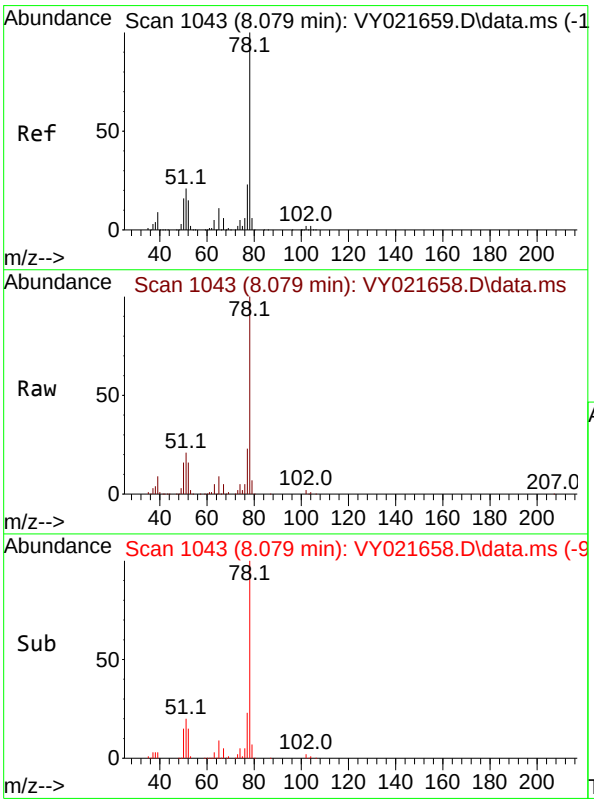
#39
Methylcyclohexane
Concen: 19.269 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 84802

Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.7	89.5
98	47.8	38.3	57.5

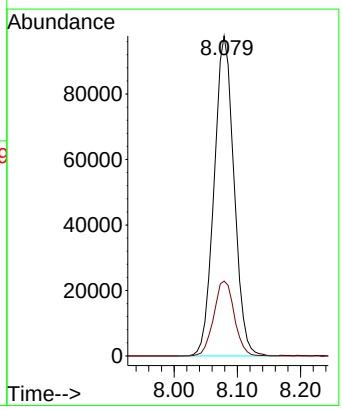


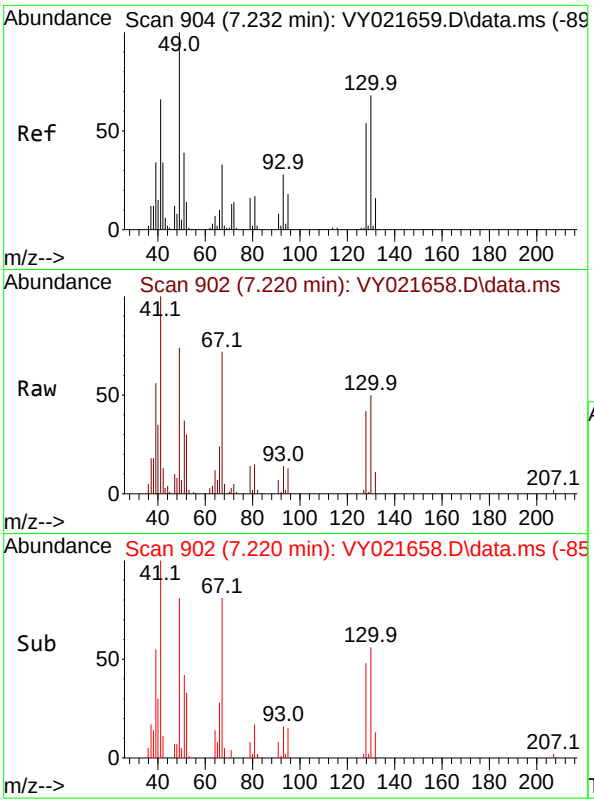


#40
Benzene
Concen: 19.313 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 78 Resp: 213074

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



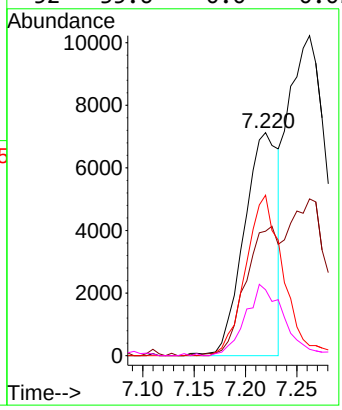


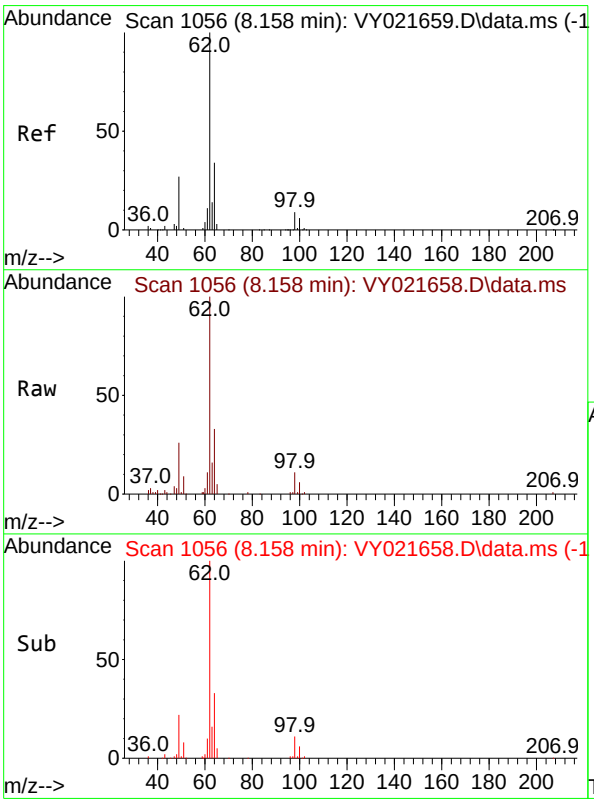
#41
Methacrylonitrile
Concen: 17.853 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 16483

Ion	Ratio	Lower	Upper
41	100		
39	55.7	0.0	0.0#
67	78.7	0.0	0.0#
52	35.6	0.0	0.0#

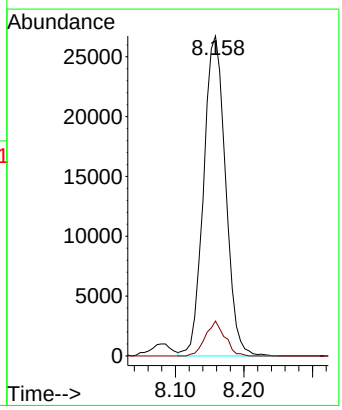


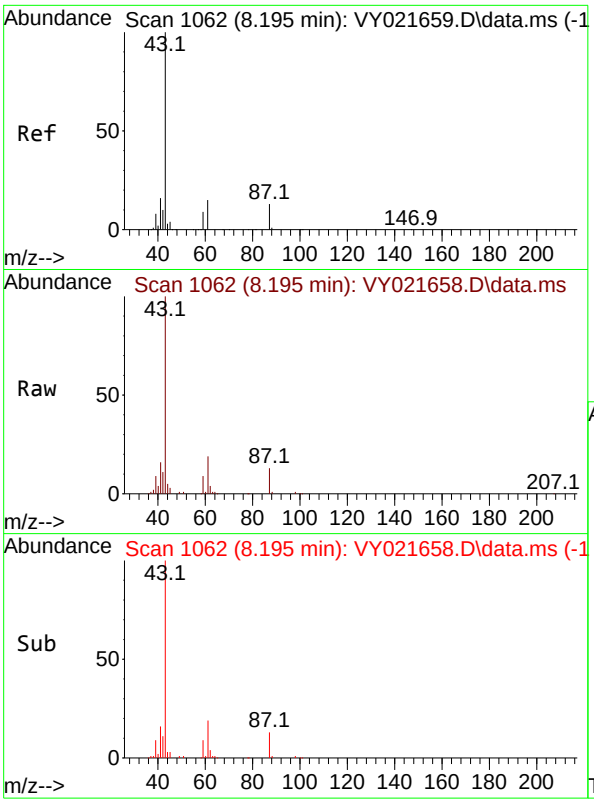


#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 59552

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4



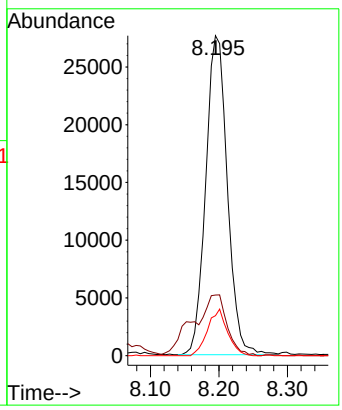


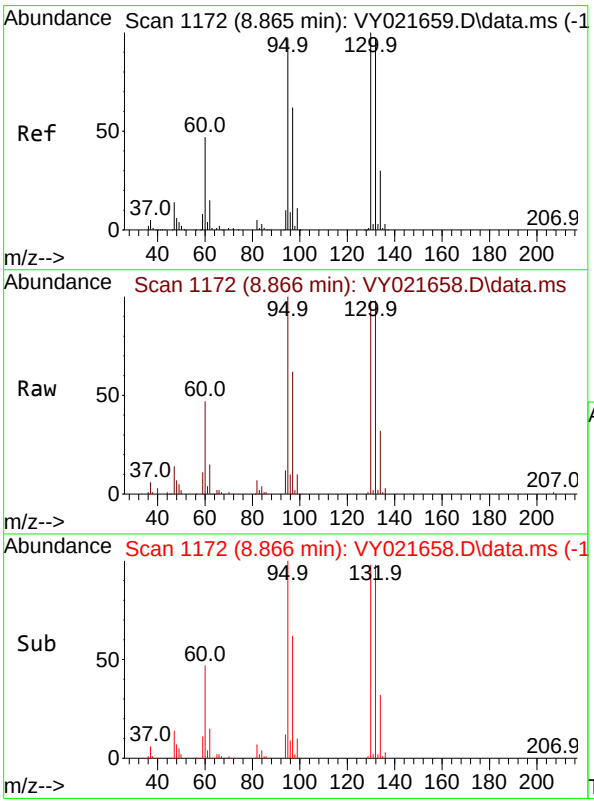
#43
Isopropyl Acetate
Concen: 18.451 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 60795

Ion	Ratio	Lower	Upper
43	100		
61	29.8	15.9	23.9#
87	13.4	10.4	15.6

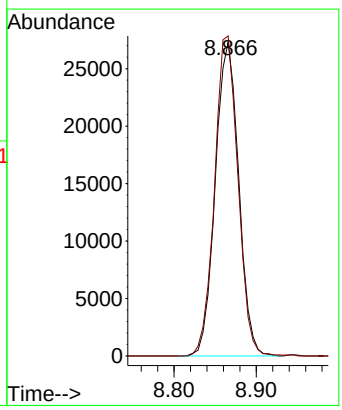


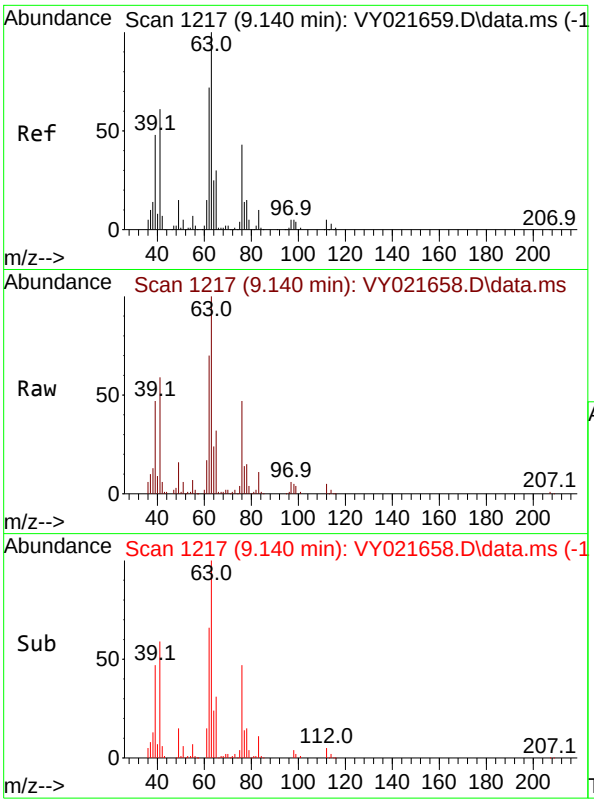


#44
Trichloroethene
Concen: 19.215 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:130 Resp: 54015

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	194.8



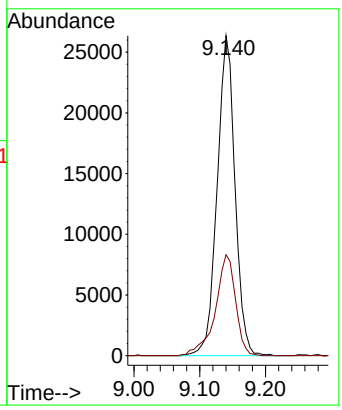


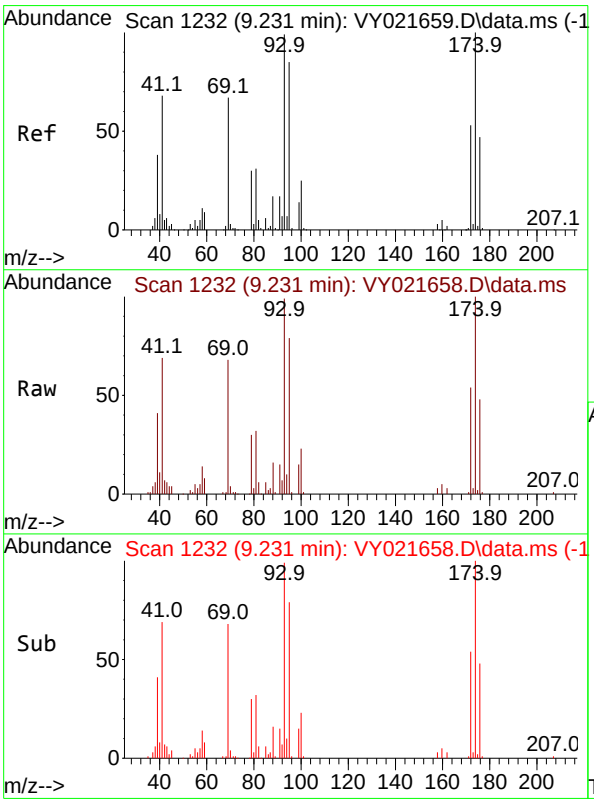
#45
1,2-Dichloropropane
Concen: 19.088 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 49850

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6

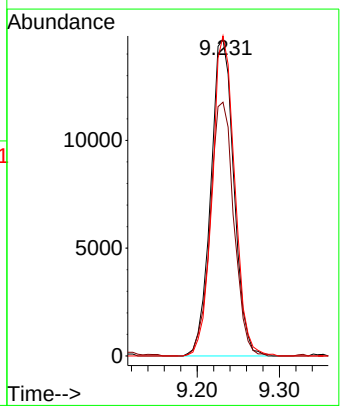


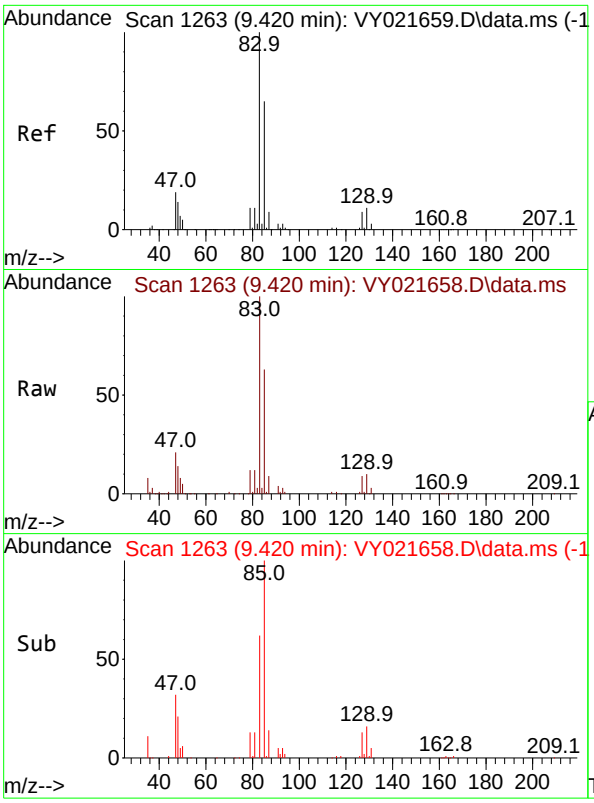


#46
Dibromomethane
Concen: 19.067 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 93 Resp: 28698

Ion	Ratio	Lower	Upper
93	100		
95	81.9	68.1	102.1
174	97.9	80.9	121.3



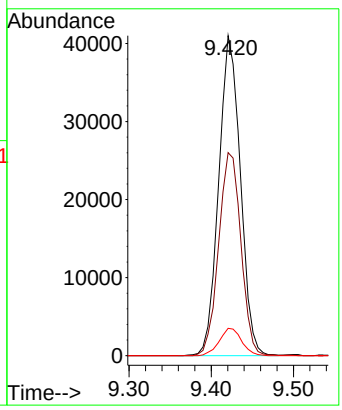


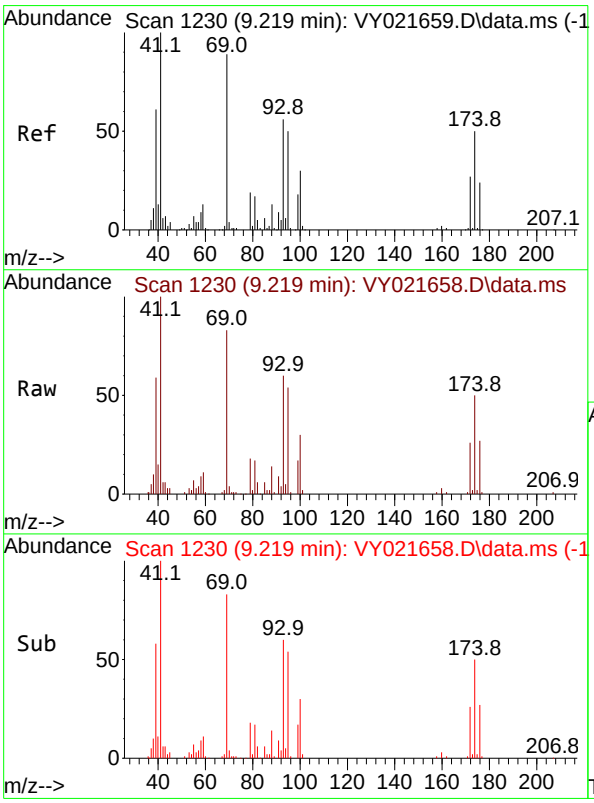
#47
Bromodichloromethane
Concen: 19.262 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 75123

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	8.5	6.8	10.2

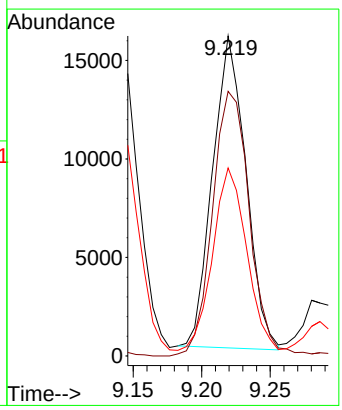


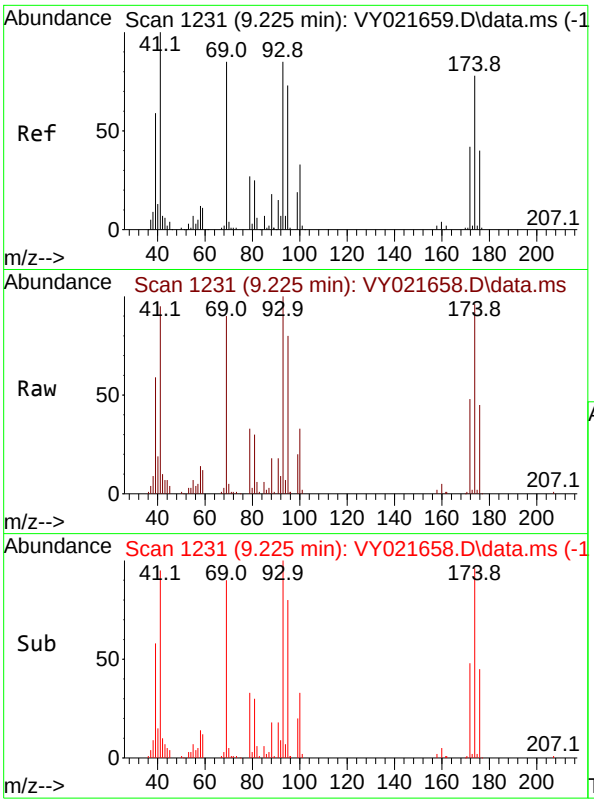


#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 26759

Ion	Ratio	Lower	Upper
41	100		
69	95.3	69.8	104.8
39	60.0	47.2	70.8



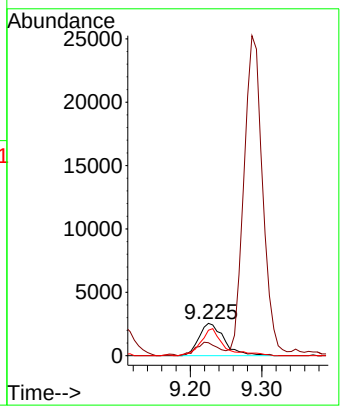


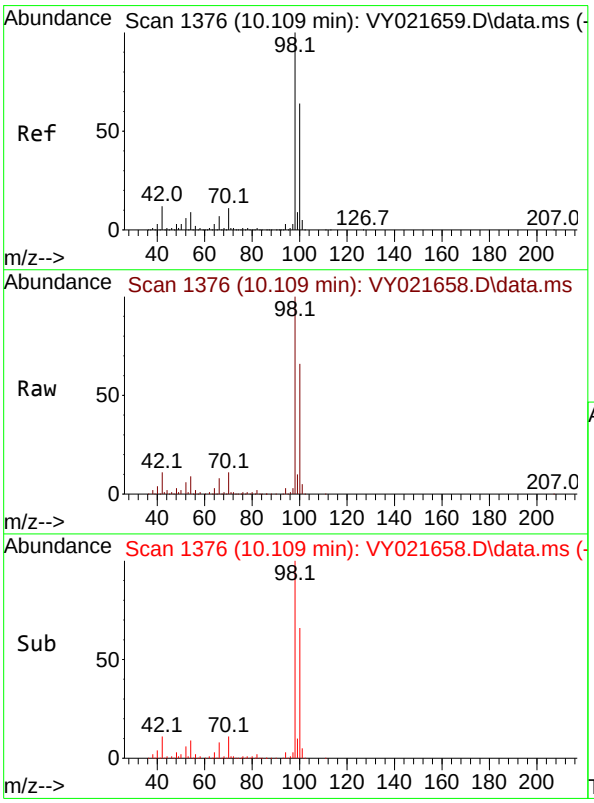
#49
1,4-Dioxane
Concen: 388.254 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 6260

Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.8	43.2
58	75.8	59.4	89.2

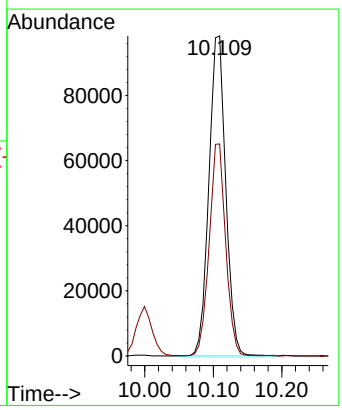


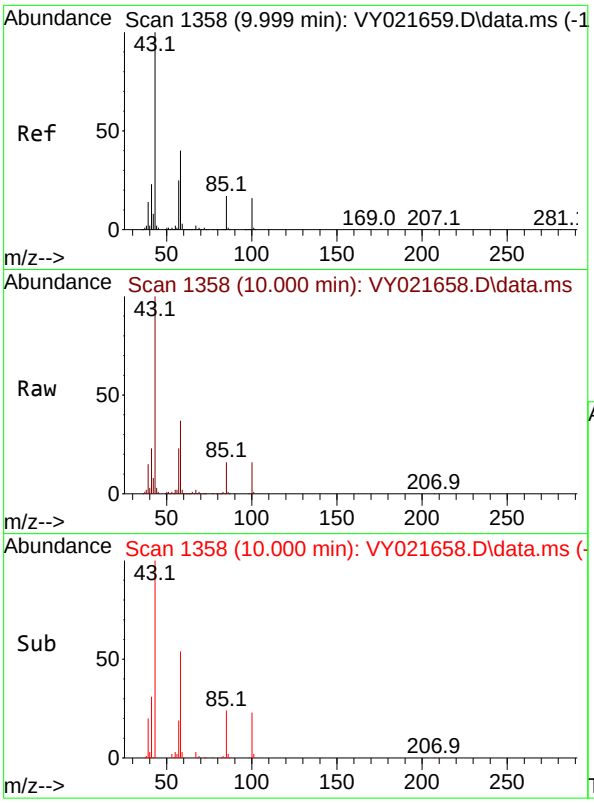


#50
Toluene-d8
Concen: 18.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 98 Resp: 168040

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



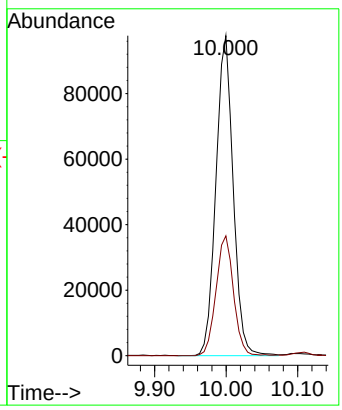


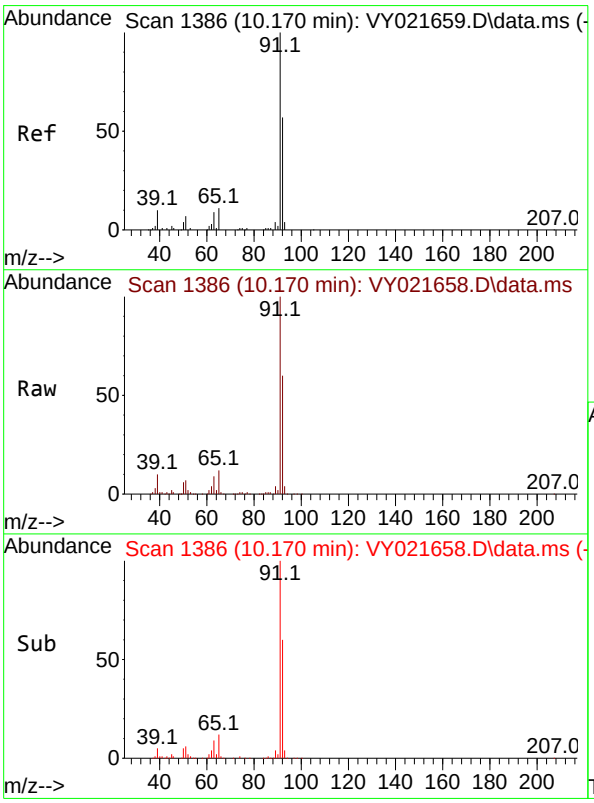
#51
4-Methyl-2-Pentanone
Concen: 95.304 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 163415

Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.5	47.3

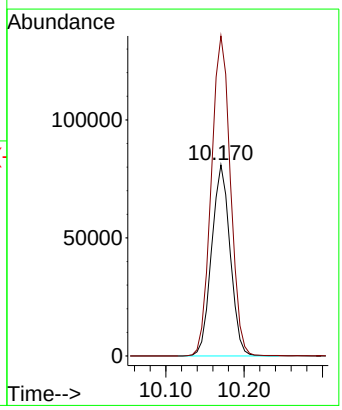


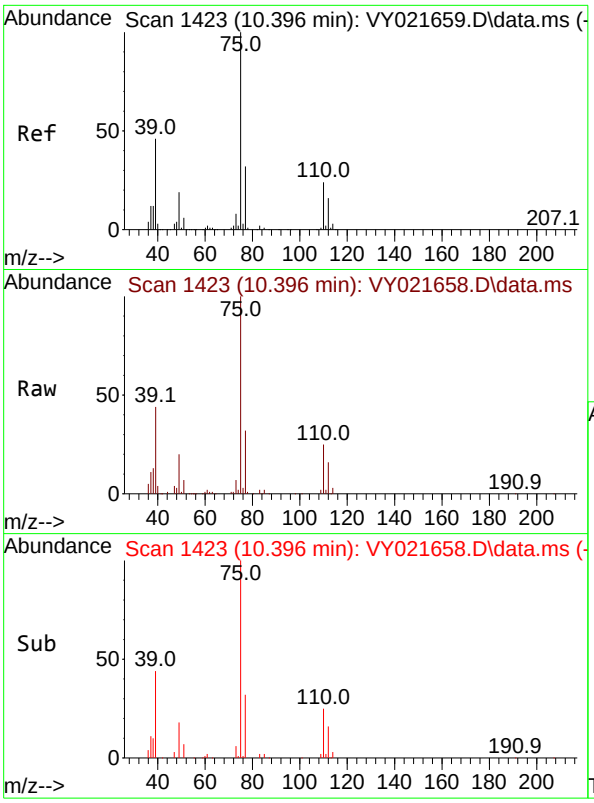


#52
Toluene
Concen: 19.340 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 92 Resp: 133126

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8



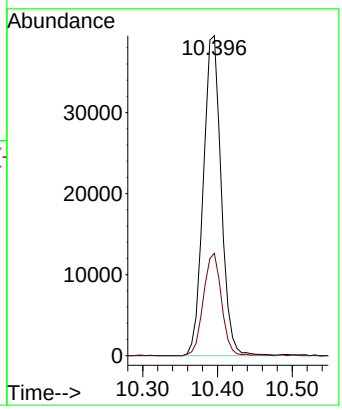


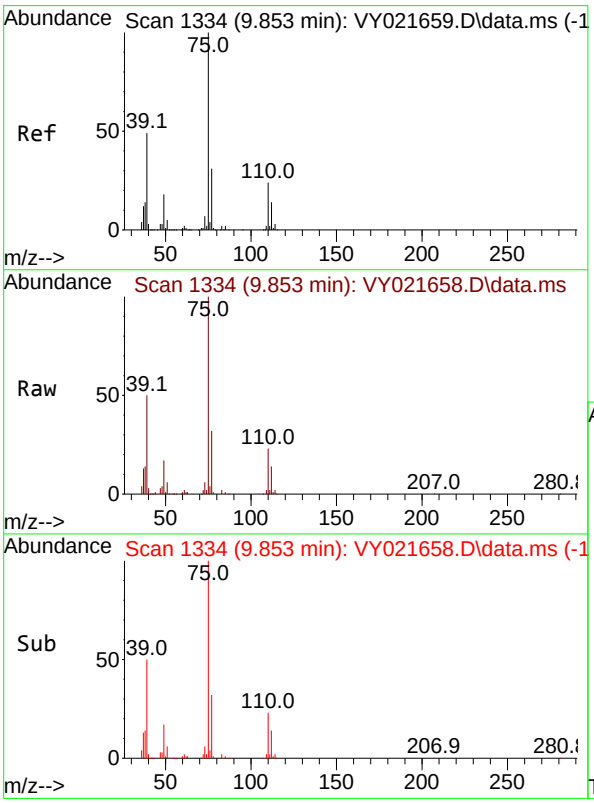
#53
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 65536

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9

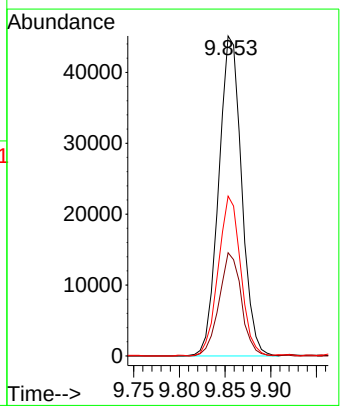


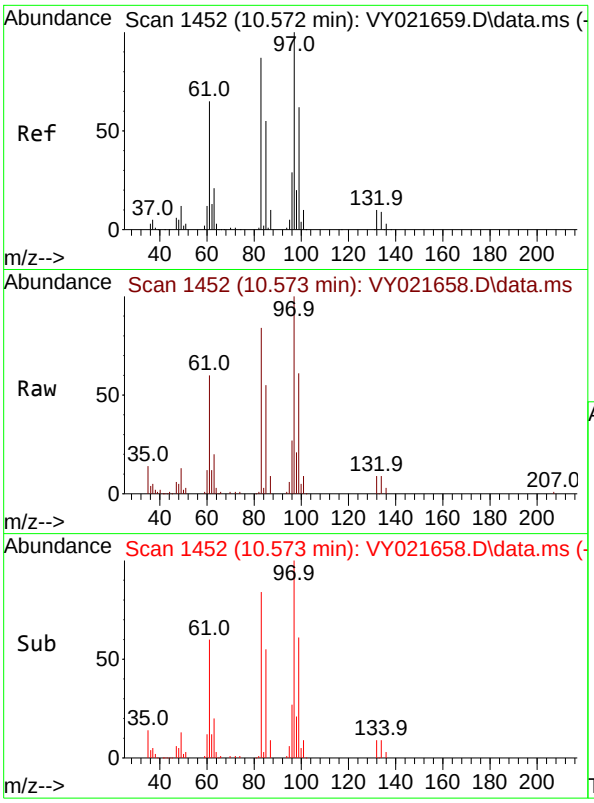


#54
cis-1,3-Dichloropropene
Concen: 19.271 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 78753

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3
39	49.7	39.2	58.8



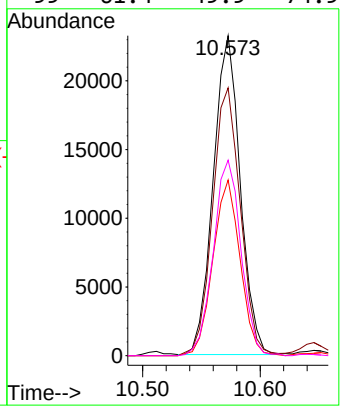


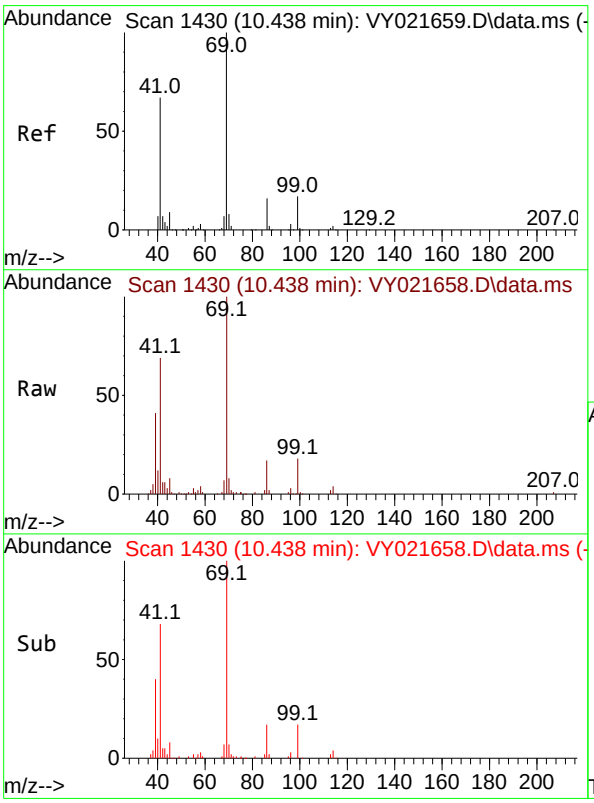
#55
1,1,2-Trichloroethane
Concen: 19.140 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 37073

Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.5	104.3
85	55.1	43.9	65.9
99	61.4	49.9	74.9

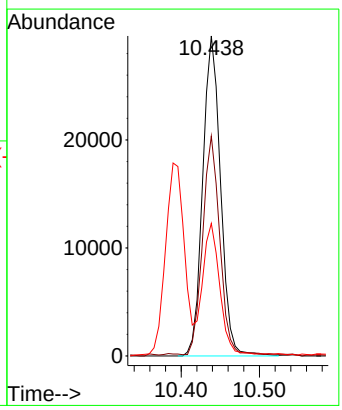


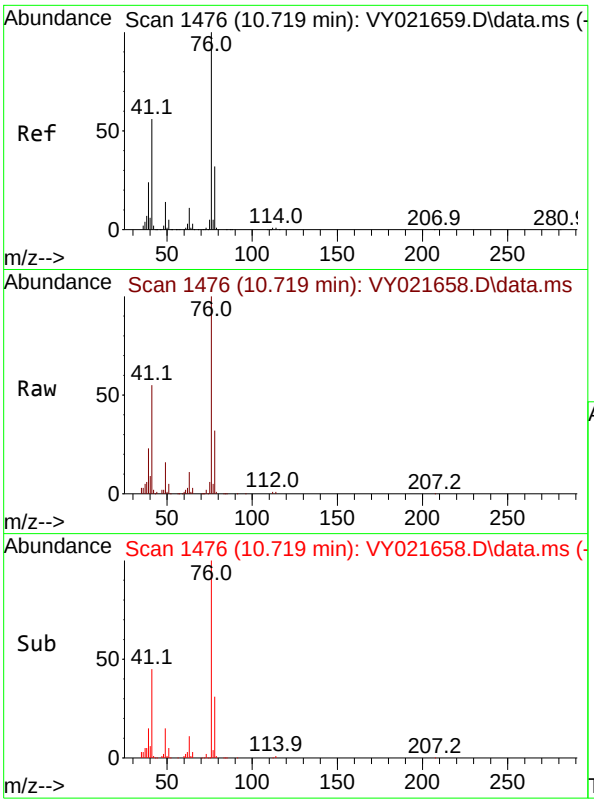


#56
Ethyl methacrylate
Concen: 18.936 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 69 Resp: 46833

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.8	80.6
39	39.6	29.6	44.4



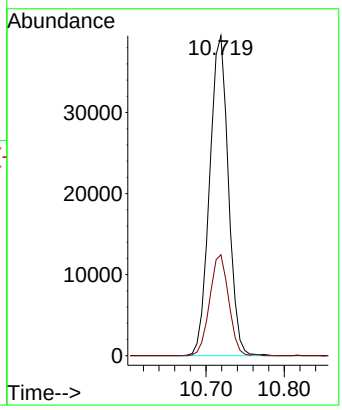


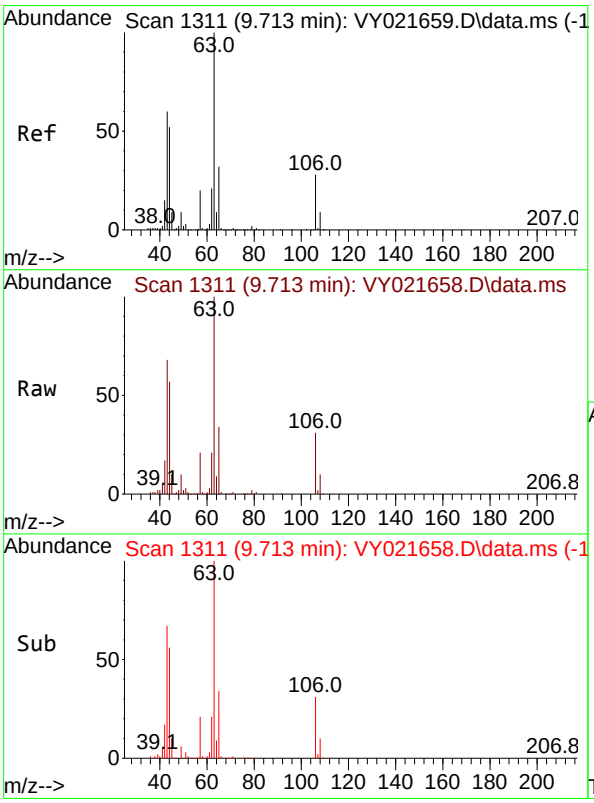
#57
1,3-Dichloropropane
Concen: 19.600 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 65563

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

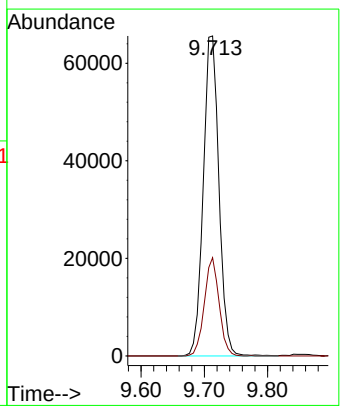


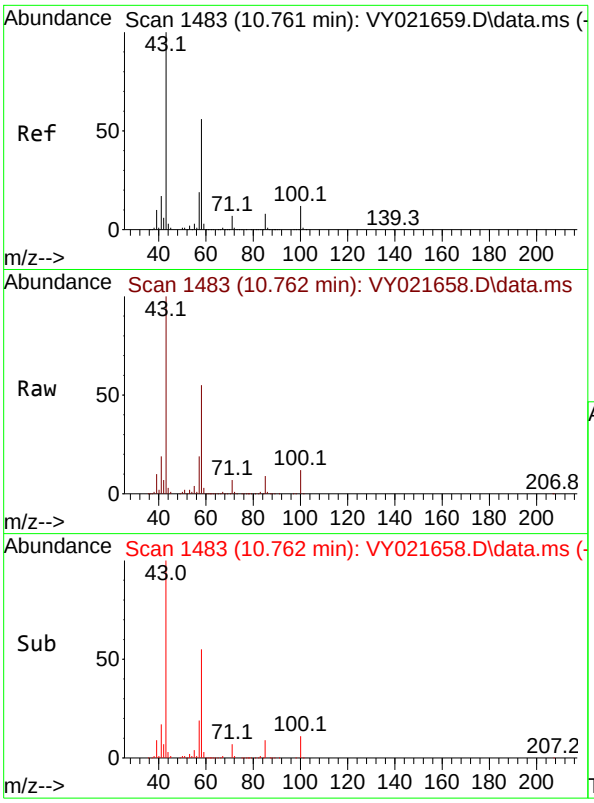


#58
2-Chloroethyl Vinyl ether
Concen: 93.615 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 112947

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.4	33.6



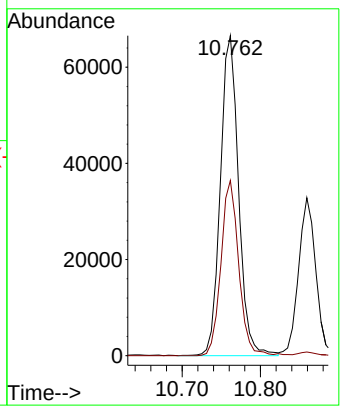


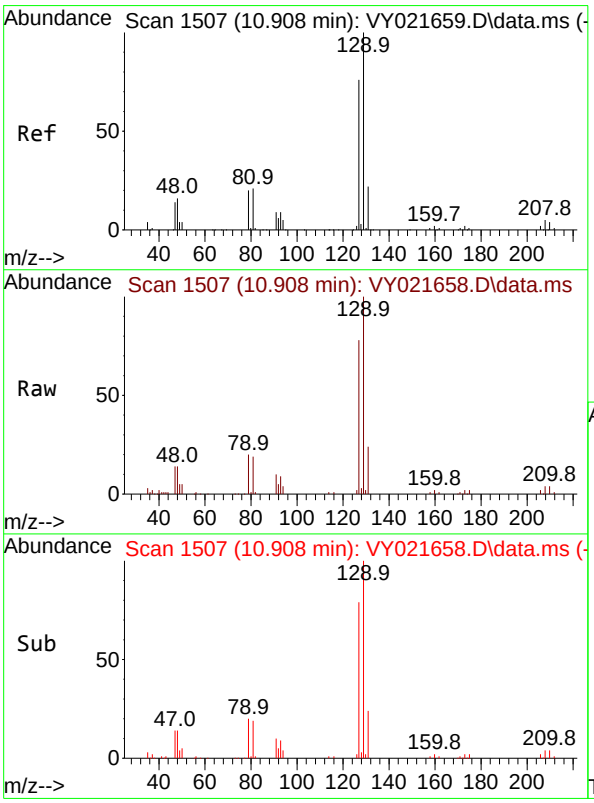
#59
2-Hexanone
Concen: 94.241 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 107618

Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.2	81.5

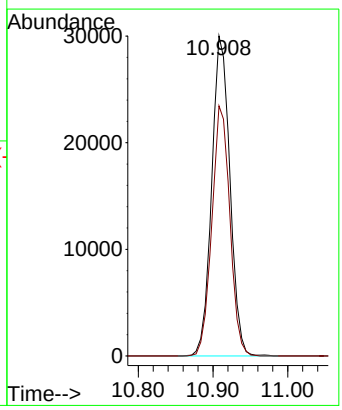


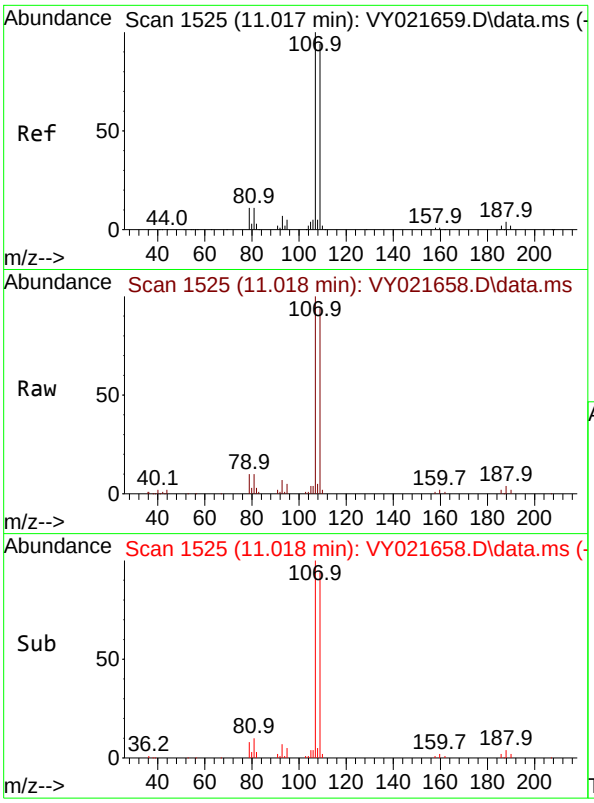


#60
Dibromochloromethane
Concen: 19.187 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:129 Resp: 50740

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.7



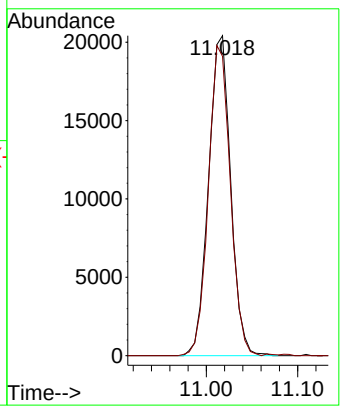


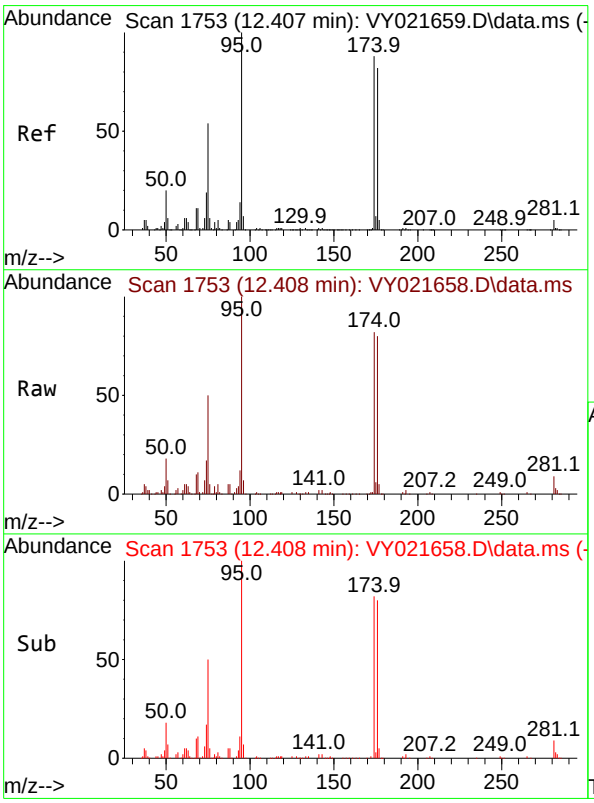
#61
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 34293

Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.4	111.6

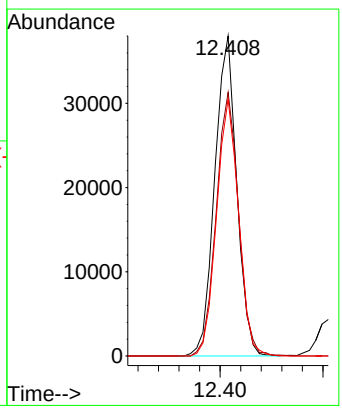


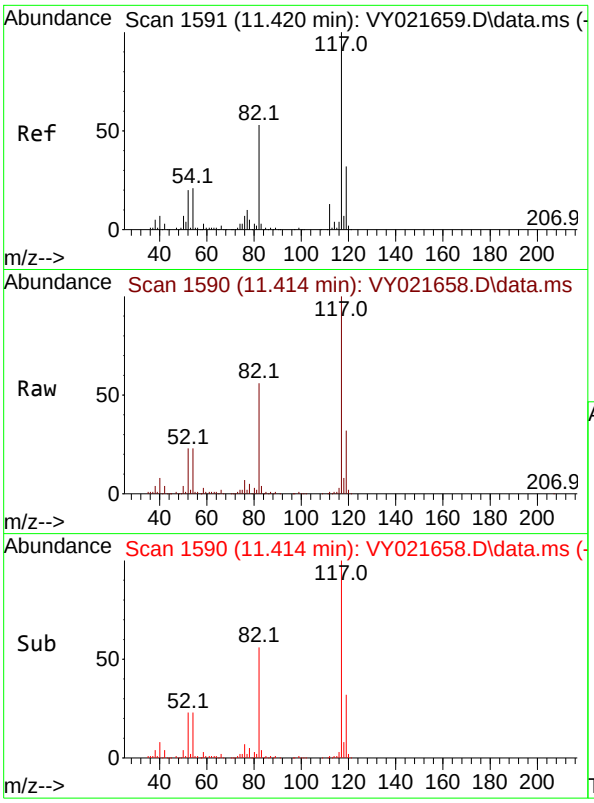


#62
4-Bromofluorobenzene
Concen: 18.092 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 95 Resp: 56308

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	80.6	0.0	162.0



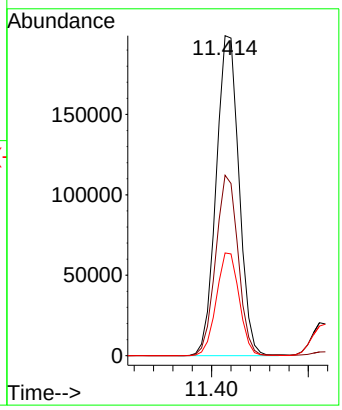


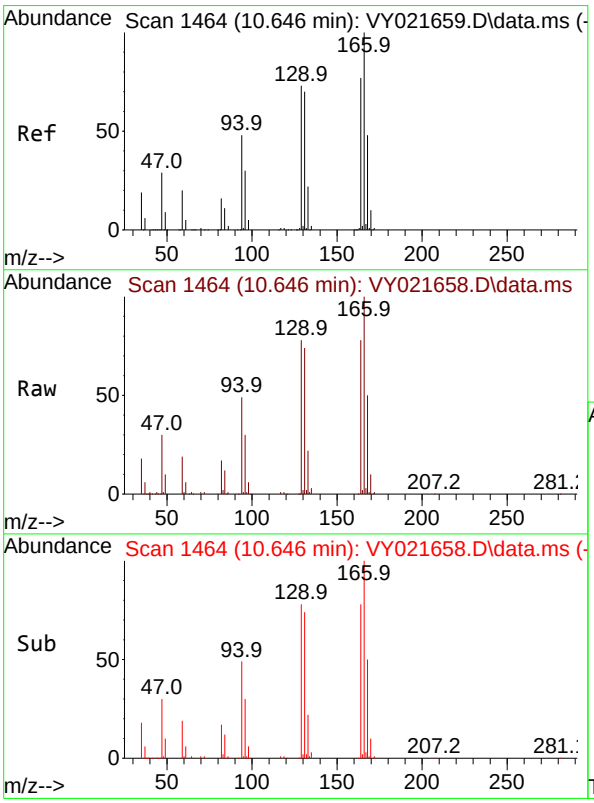
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 325153

Ion	Ratio	Lower	Upper
117	100		
82	56.4	42.8	64.2
119	32.1	25.7	38.5

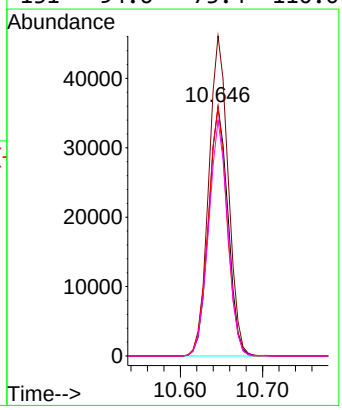


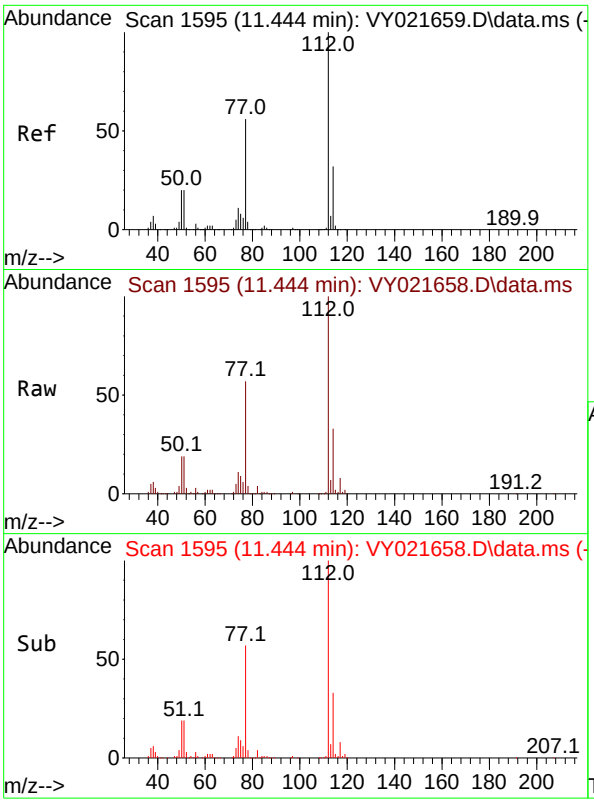


#64
Tetrachloroethene
Concen: 19.897 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:164 Resp: 58923

Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.6	156.8
129	100.1	76.6	114.8
131	94.6	73.4	110.0



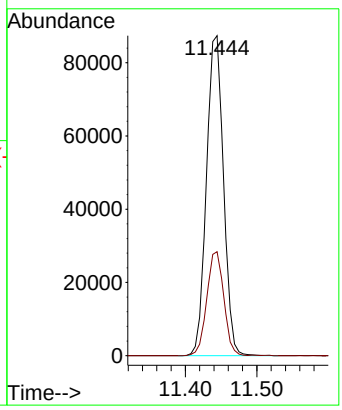


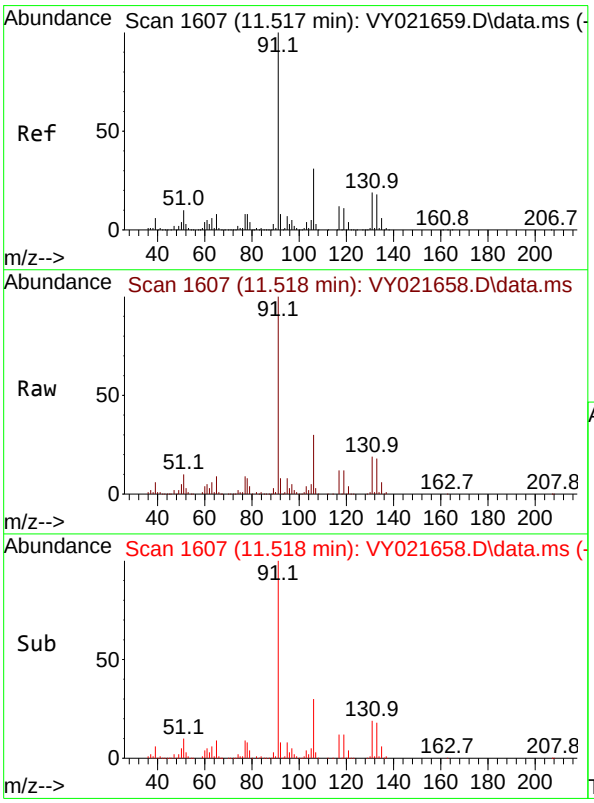
#65
Chlorobenzene
Concen: 19.375 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 144411

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.9	38.9

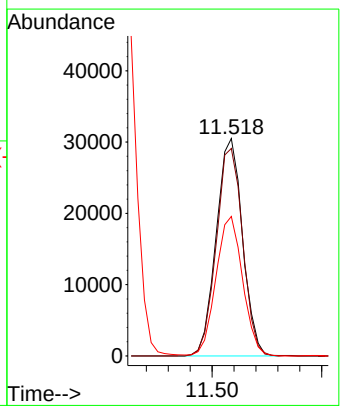


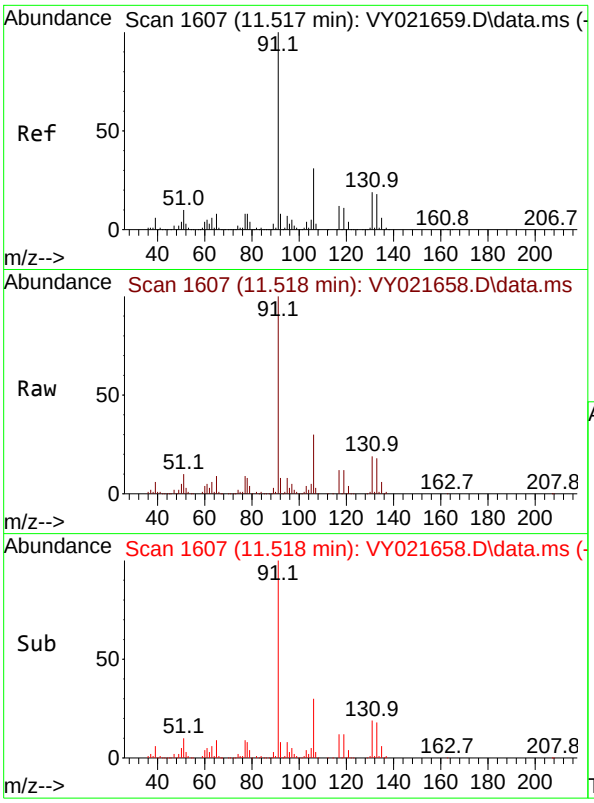


#66
1,1,1,2-Tetrachloroethane
Concen: 19.173 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:131 Resp: 50703

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.8
119	65.2	31.6	95.0



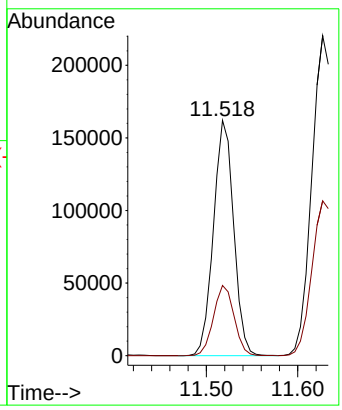


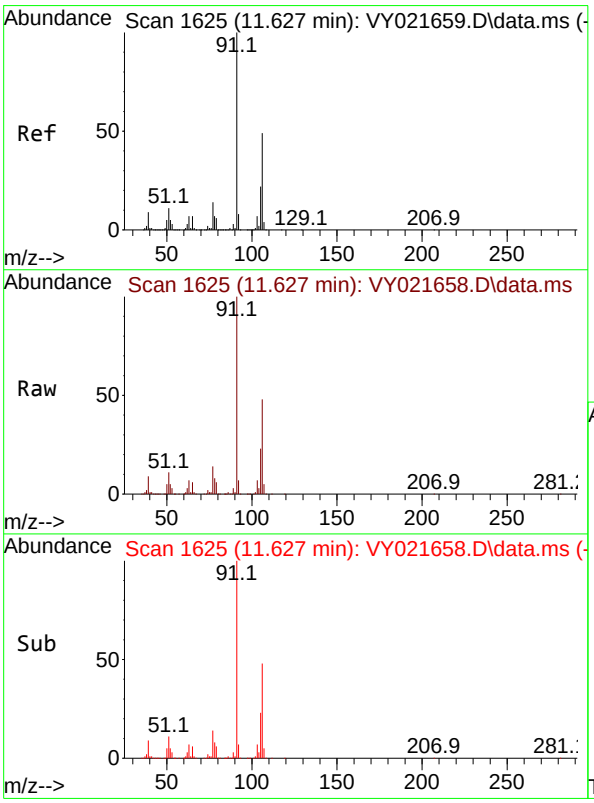
#67
Ethyl Benzene
Concen: 19.515 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 249430

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.6	36.8

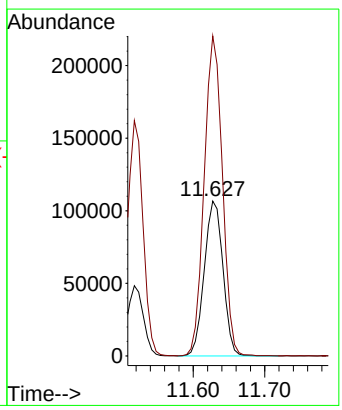


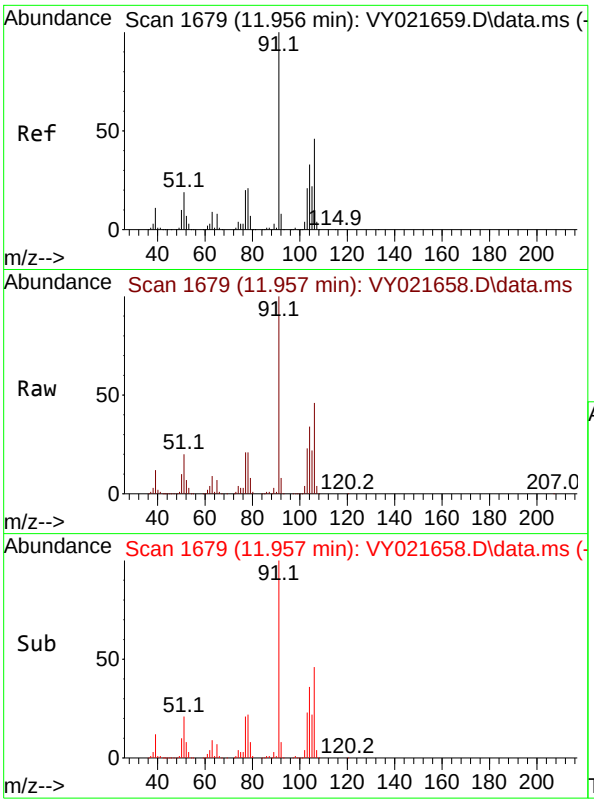


#68
m/p-Xylenes
Concen: 39.549 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:106 Resp: 193566

Ion	Ratio	Lower	Upper
106	100		
91	201.0	162.4	243.6



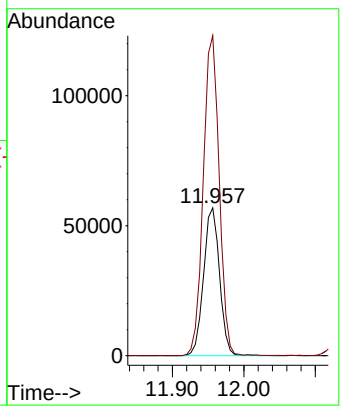


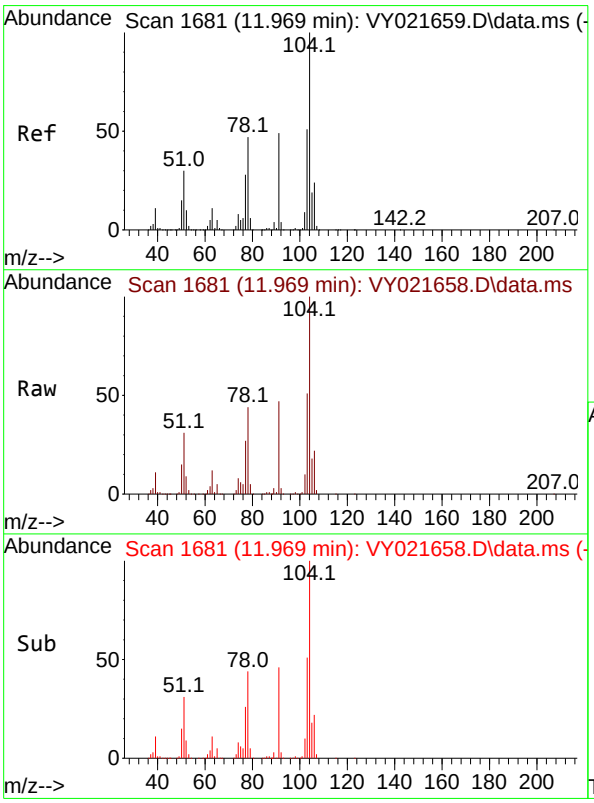
#69
o-Xylene
Concen: 19.462 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 87927

Ion	Ratio	Lower	Upper
106	100		
91	216.7	106.7	319.9

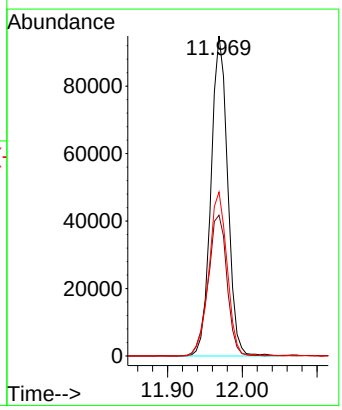


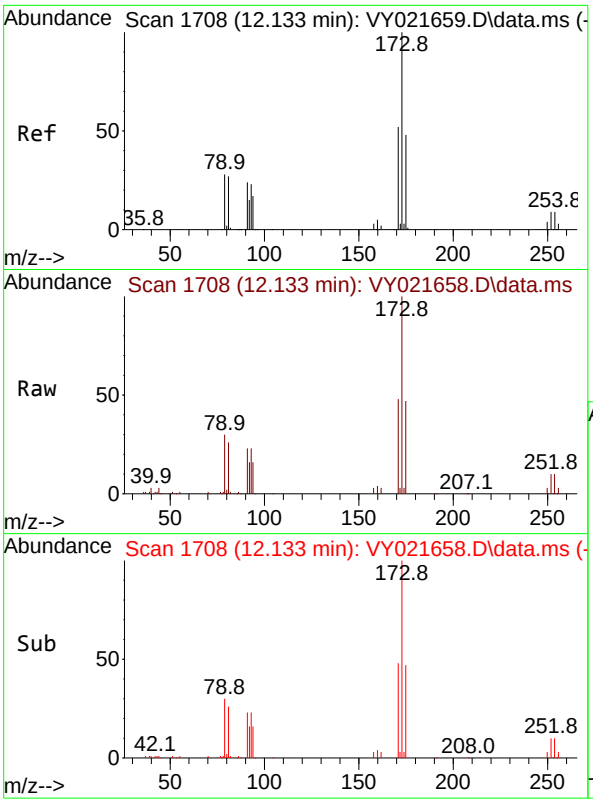


#70
Styrene
Concen: 19.580 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:104 Resp: 147490

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.8	61.2
103	55.7	44.2	66.2



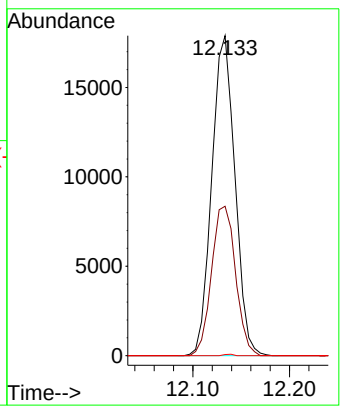


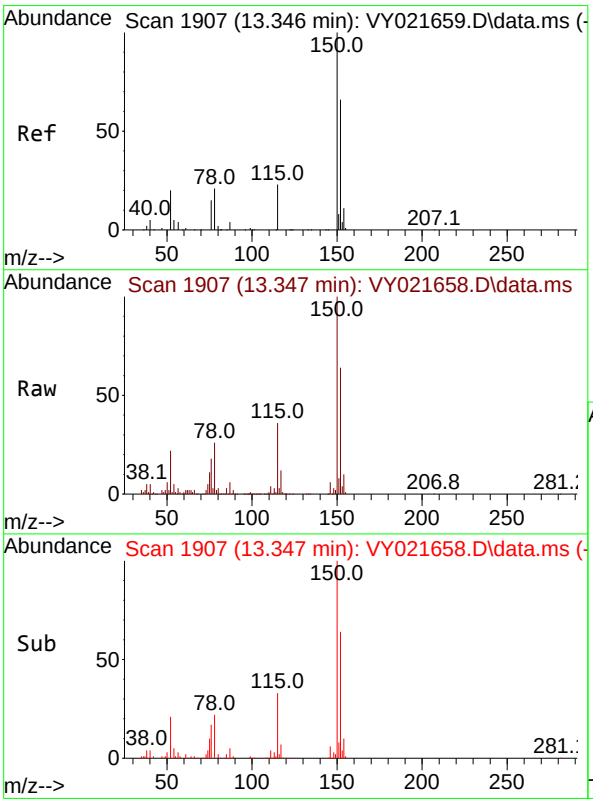
#71
Bromoform
Concen: 19.706 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 29726

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.2	0.1	0.1#

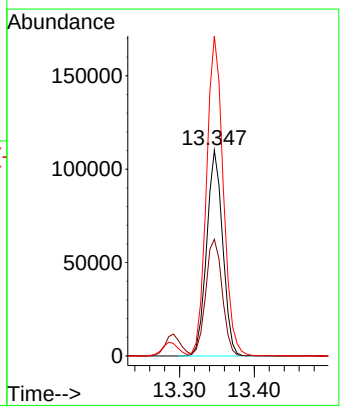


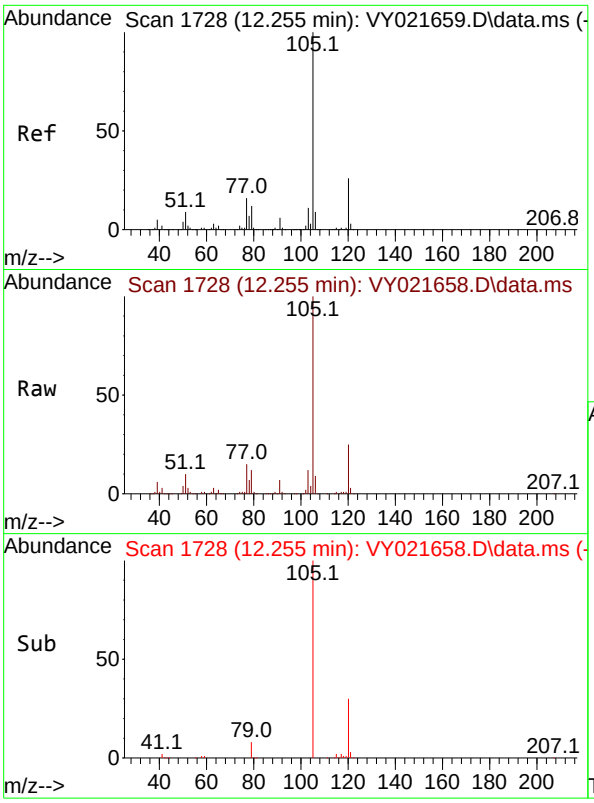


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:152 Resp: 163591

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	162.8	0.0	348.4



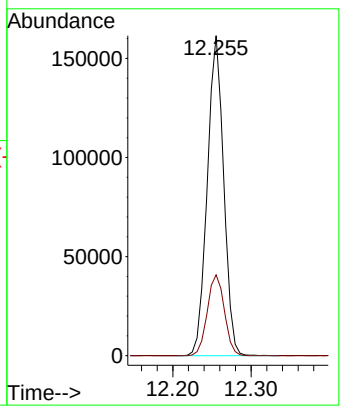


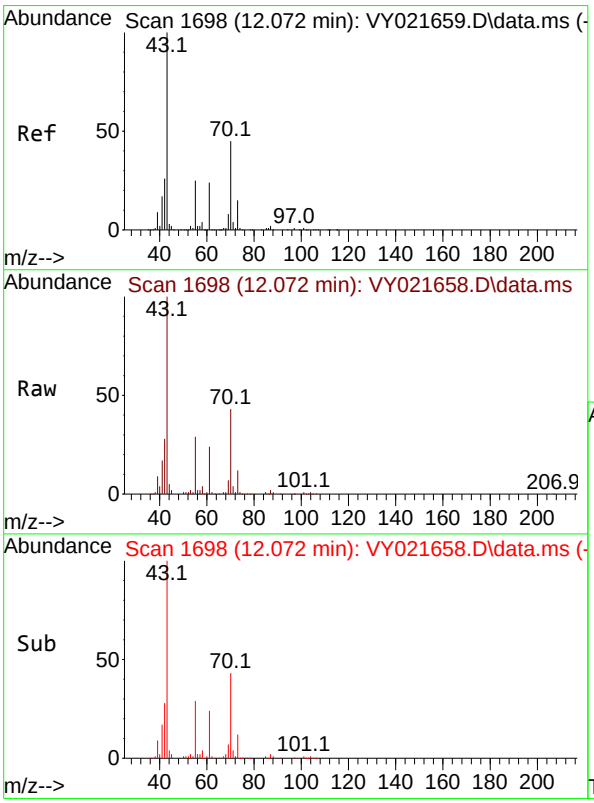
#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 234386

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

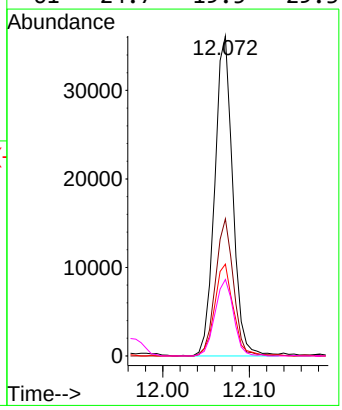


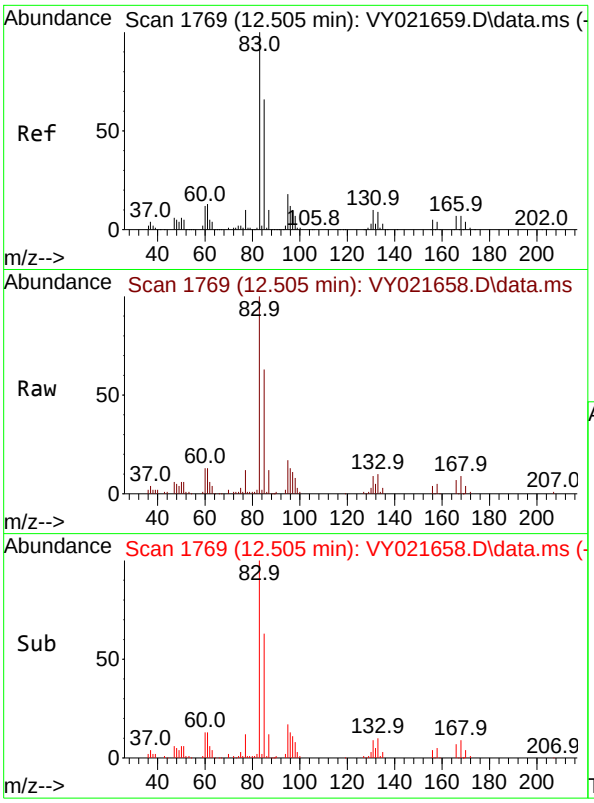


#74
N-amyl acetate
Concen: 18.355 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 52342

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.7	52.1
55	30.0	21.2	31.8
61	24.7	19.5	29.3



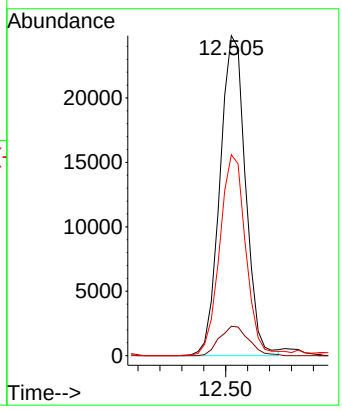


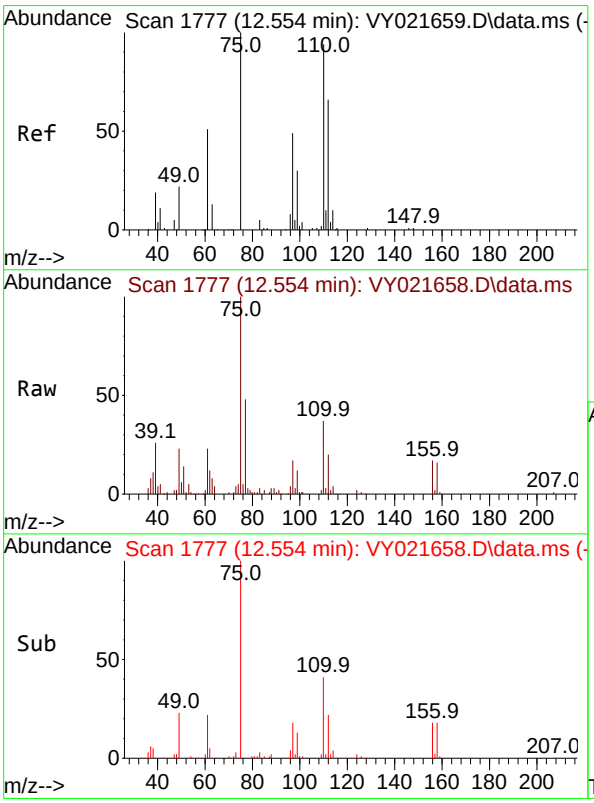
#75
1,1,2,2-Tetrachloroethane
Concen: 18.438 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 40279

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.3	32.3	96.8

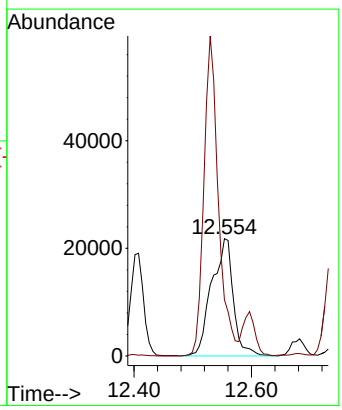


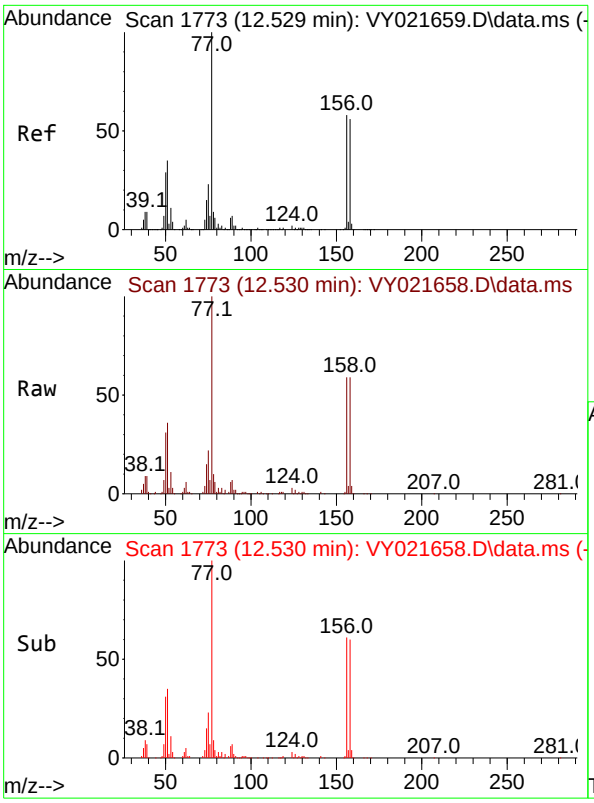


#76
1,2,3-Trichloropropane
Concen: 34.364 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 55725

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



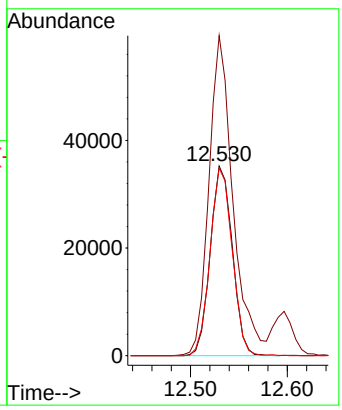


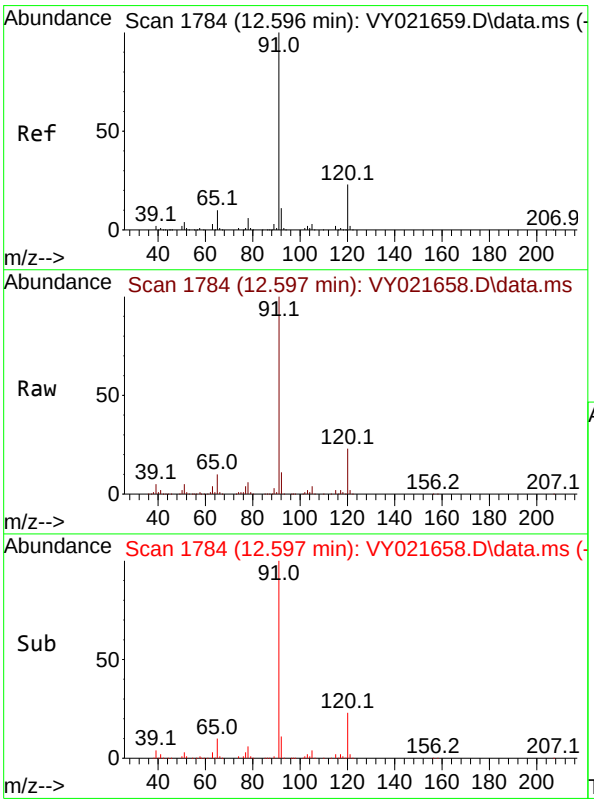
#77
Bromobenzene
Concen: 19.119 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 55776

Ion	Ratio	Lower	Upper
156	100		
77	184.4	92.8	278.3
158	99.7	48.5	145.6

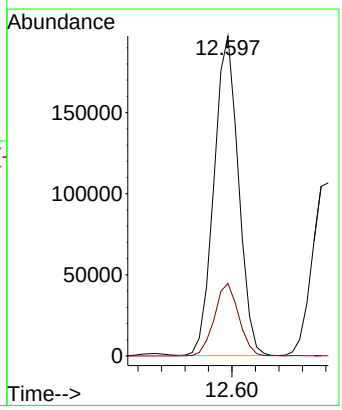


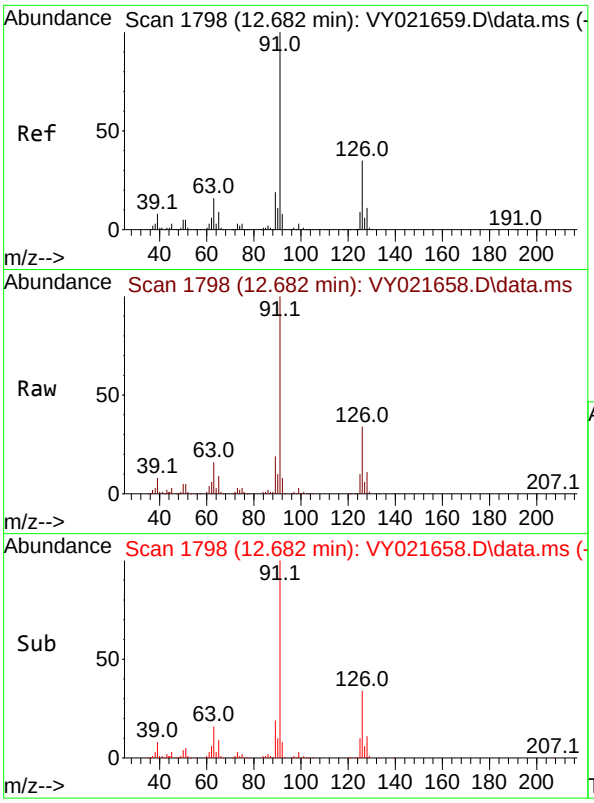


#78
n-propylbenzene
Concen: 19.480 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 284563

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9



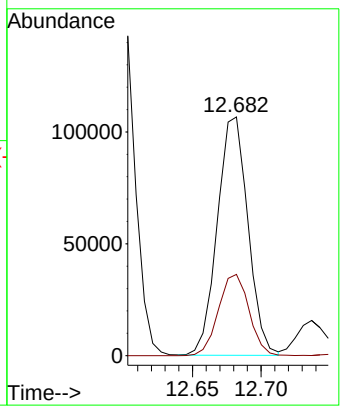


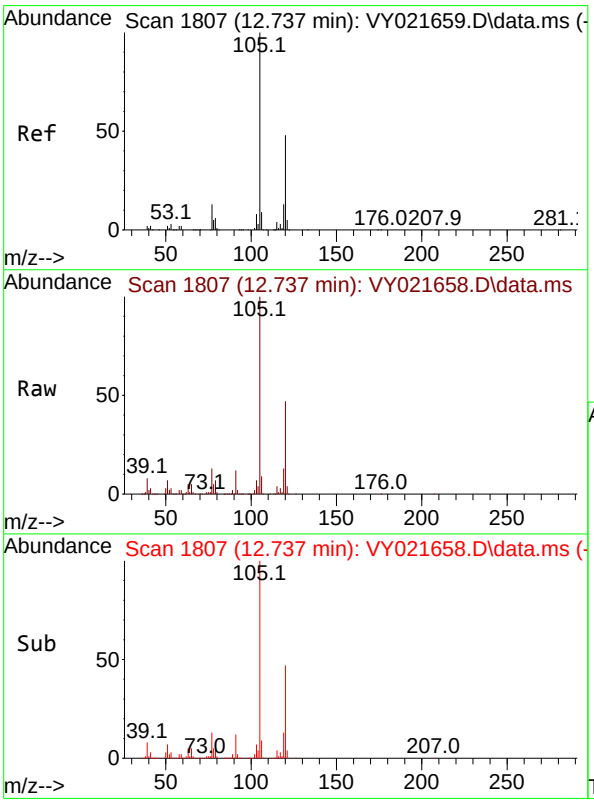
#79
2-Chlorotoluene
Concen: 19.555 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 165911

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0

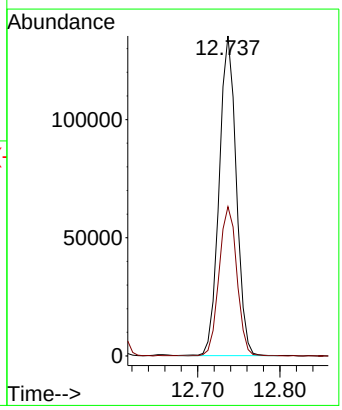


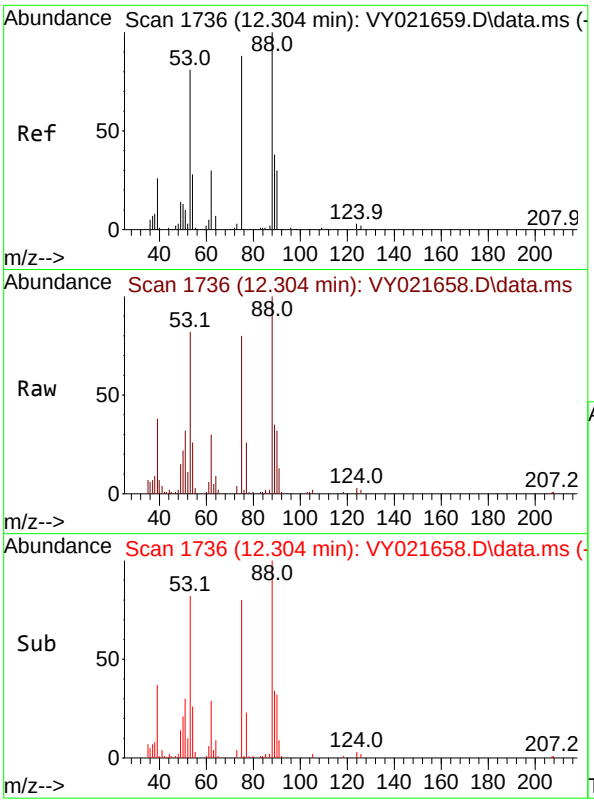


#80
1,3,5-Trimethylbenzene
Concen: 19.651 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 195141

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.5	73.5



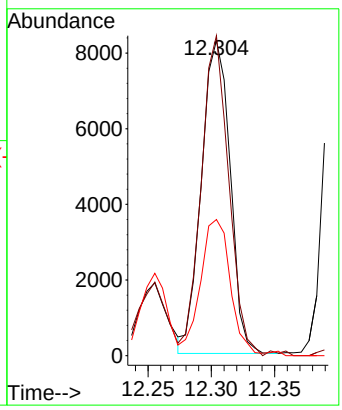


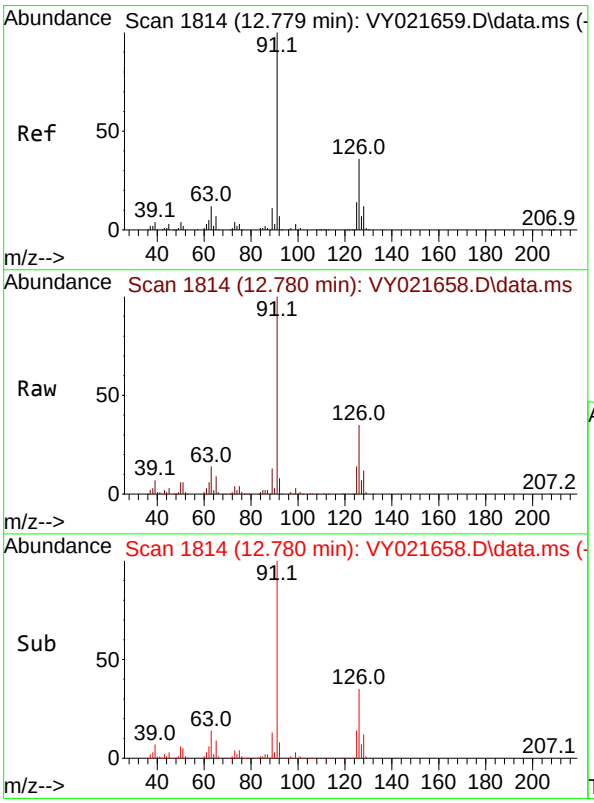
#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 13021

Ion	Ratio	Lower	Upper
75	100		
53	98.6	76.1	114.1
89	44.2	36.2	54.4

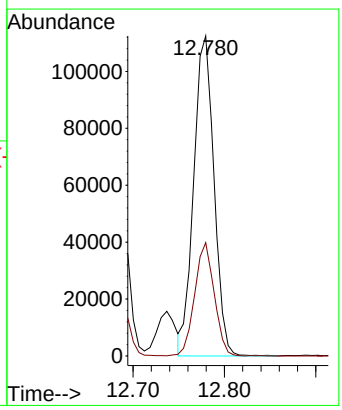


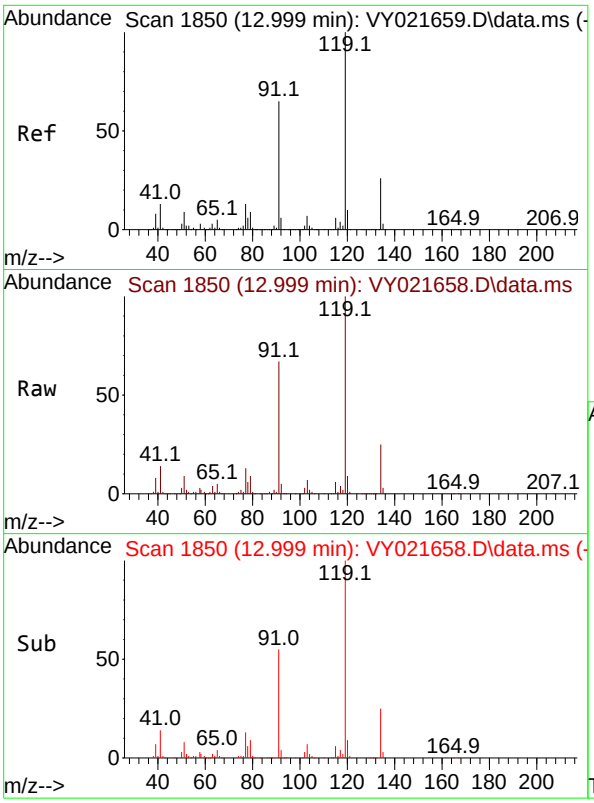


#82
4-Chlorotoluene
Concen: 19.593 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 173311

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9



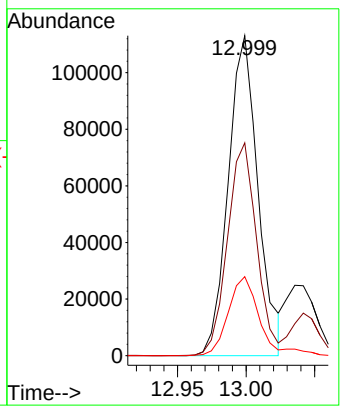


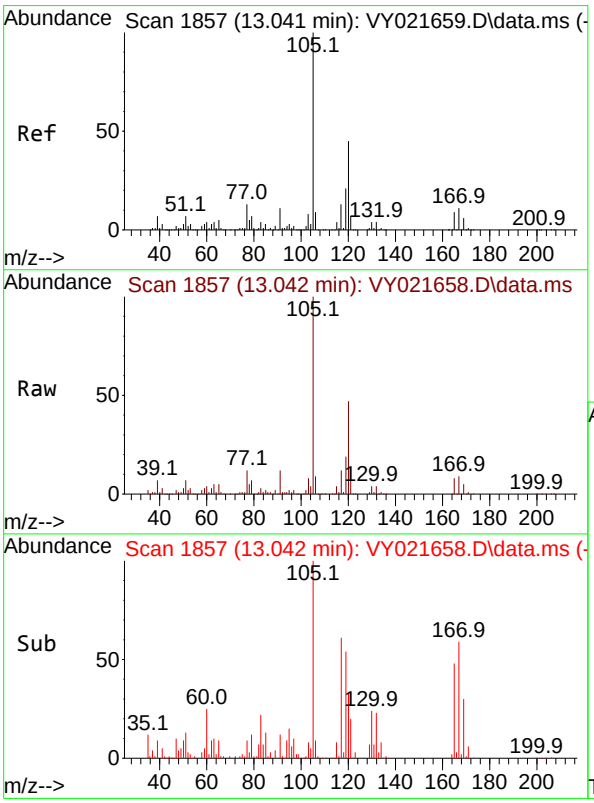
#83
tert-Butylbenzene
Concen: 19.357 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 171216

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.1	13.2	39.6

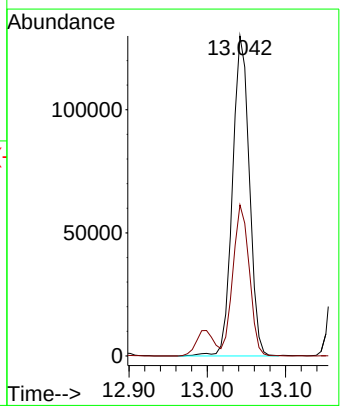


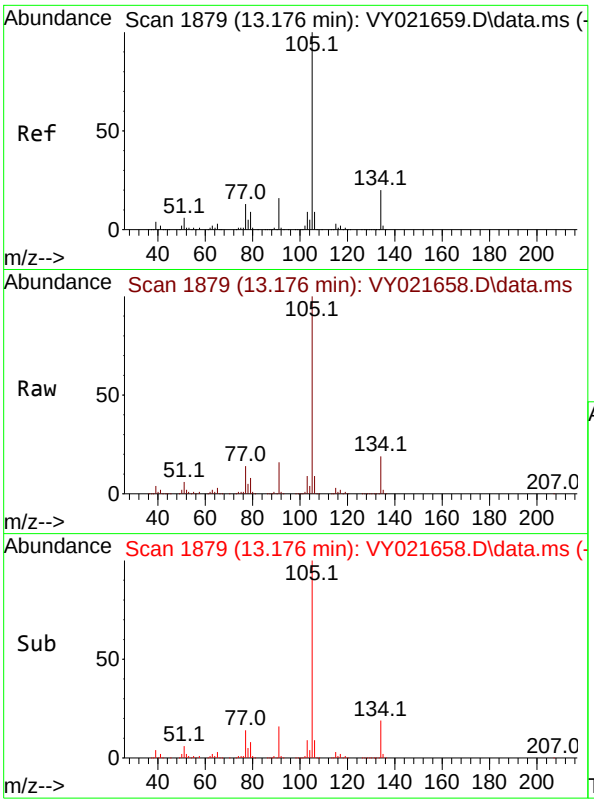


#84
1,2,4-Trimethylbenzene
Concen: 19.734 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 193683

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.7	68.1



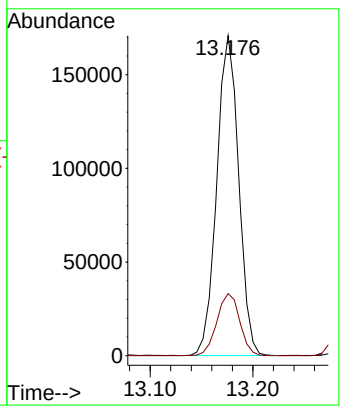


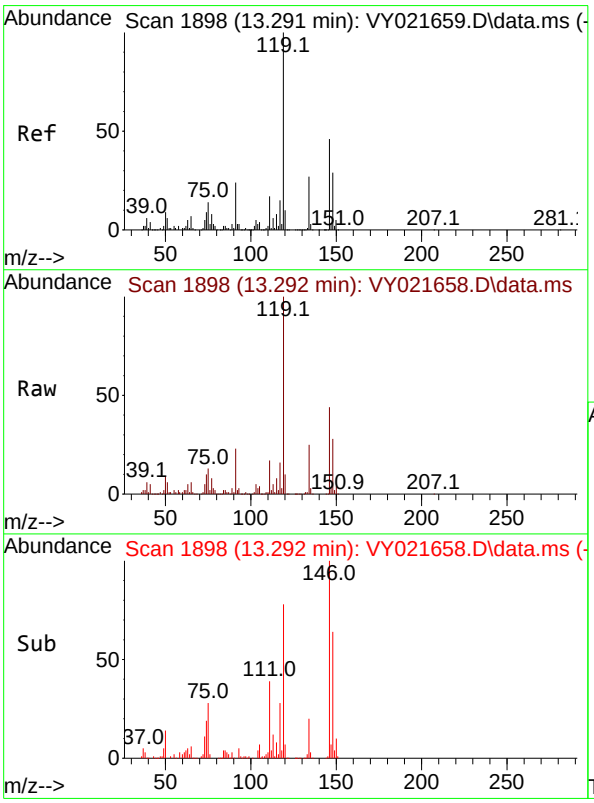
#85
sec-Butylbenzene
Concen: 19.540 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 252573

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1

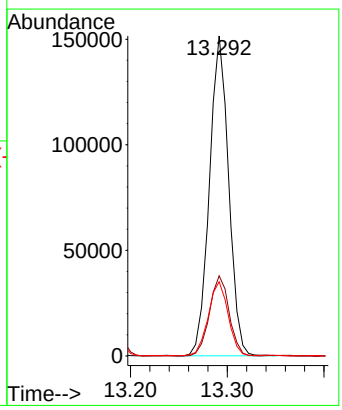


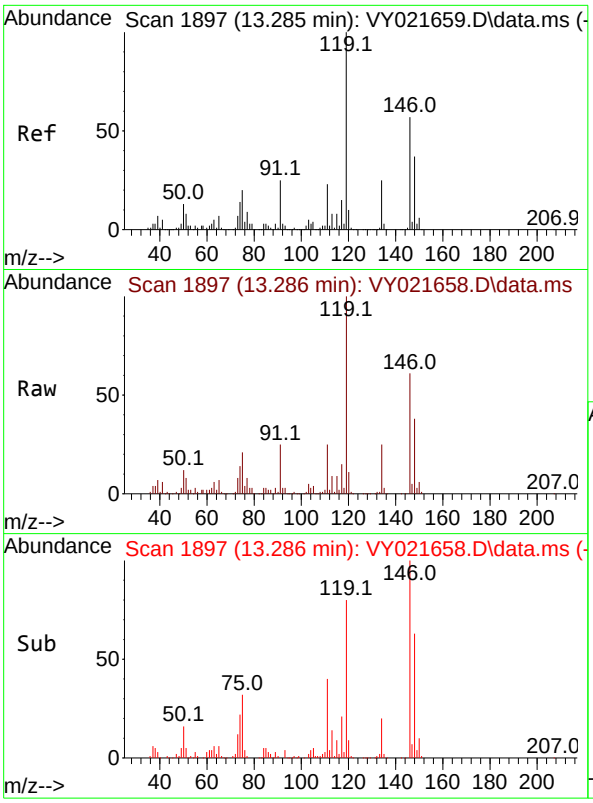


#86
p-Isopropyltoluene
Concen: 19.567 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:119 Resp: 209041

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.2	39.5
91	23.9	12.0	36.0



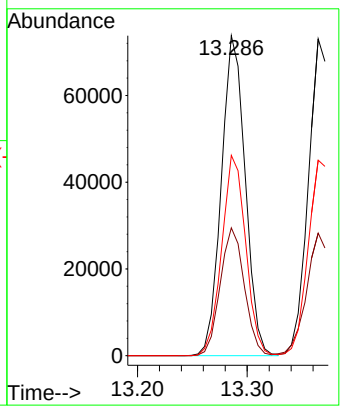


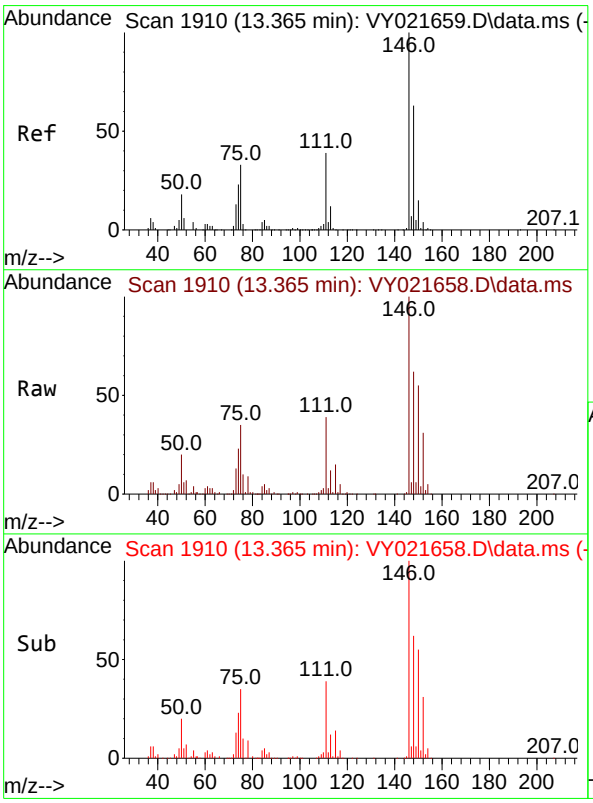
#87
1,3-Dichlorobenzene
Concen: 19.431 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 111682

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	63.0	31.8	95.4

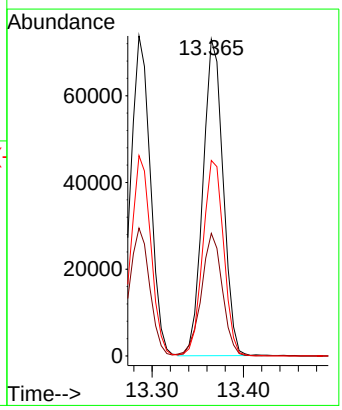


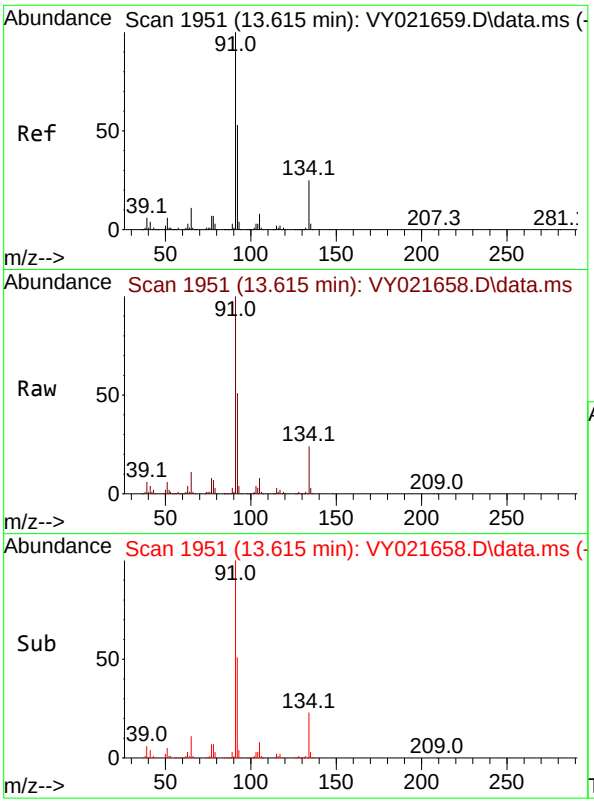


#88
1,4-Dichlorobenzene
Concen: 19.636 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:146 Resp: 111508

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.1
148	63.9	31.5	94.5



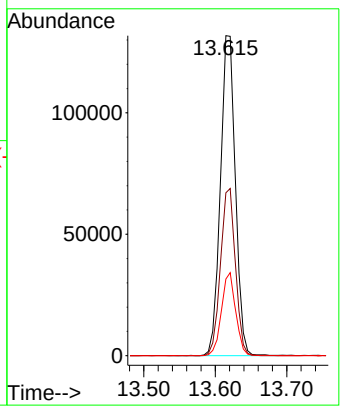


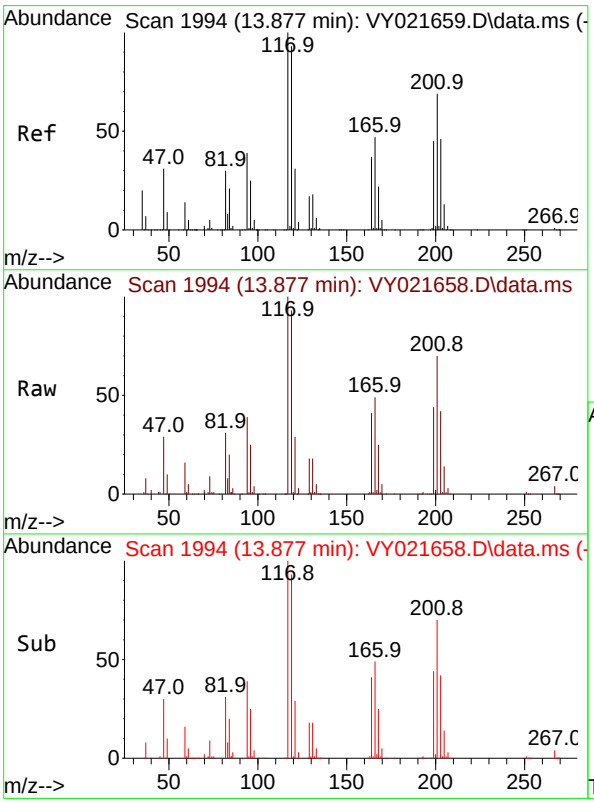
#89
n-Butylbenzene
Concen: 19.416 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 191838

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	24.6	12.8	38.4

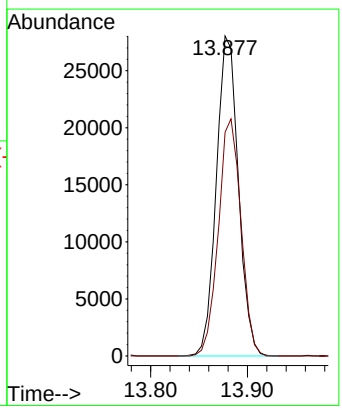


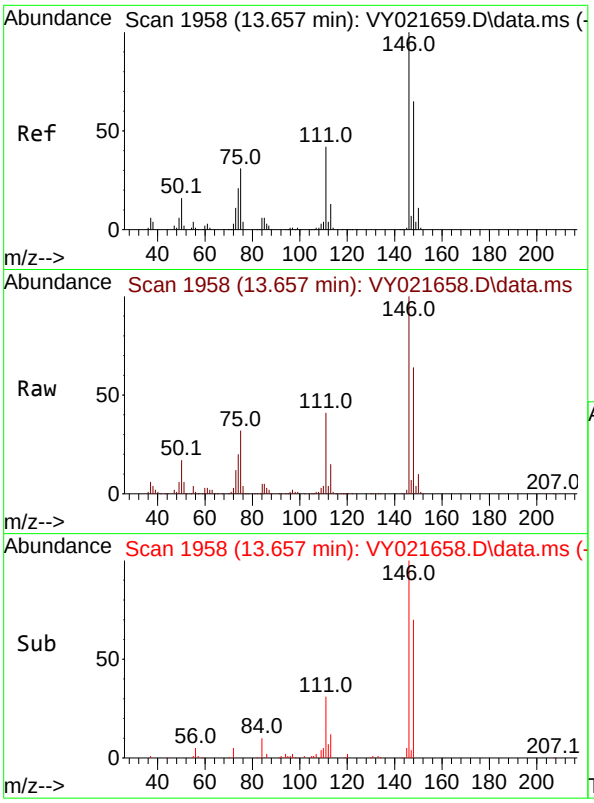


#90
Hexachloroethane
Concen: 18.928 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 44313

Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.4	112.1



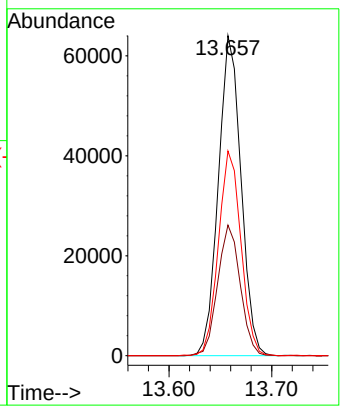


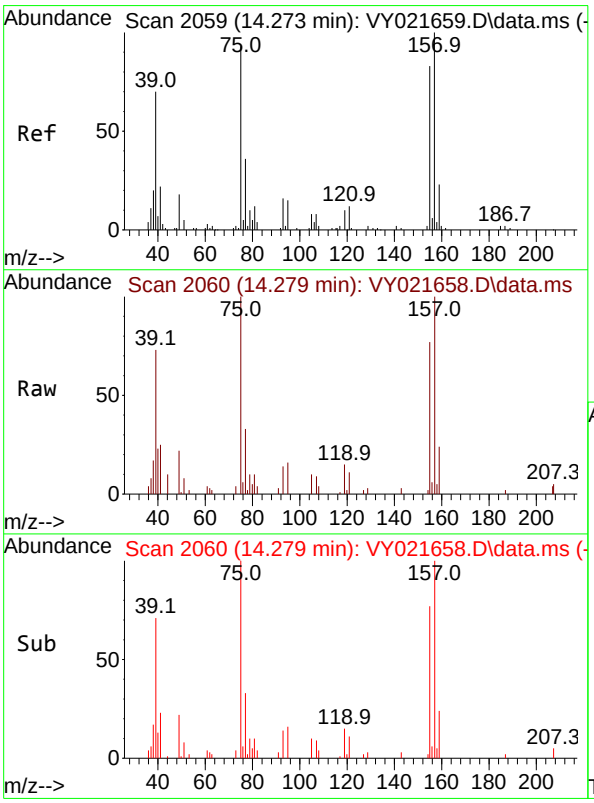
#91
1,2-Dichlorobenzene
Concen: 19.569 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 97912

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.6	32.3	96.9

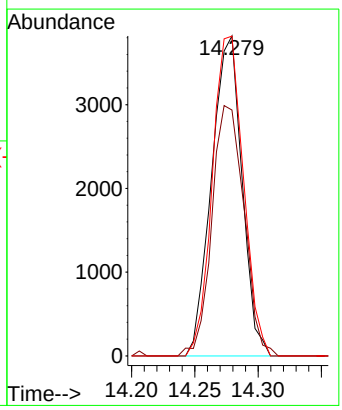


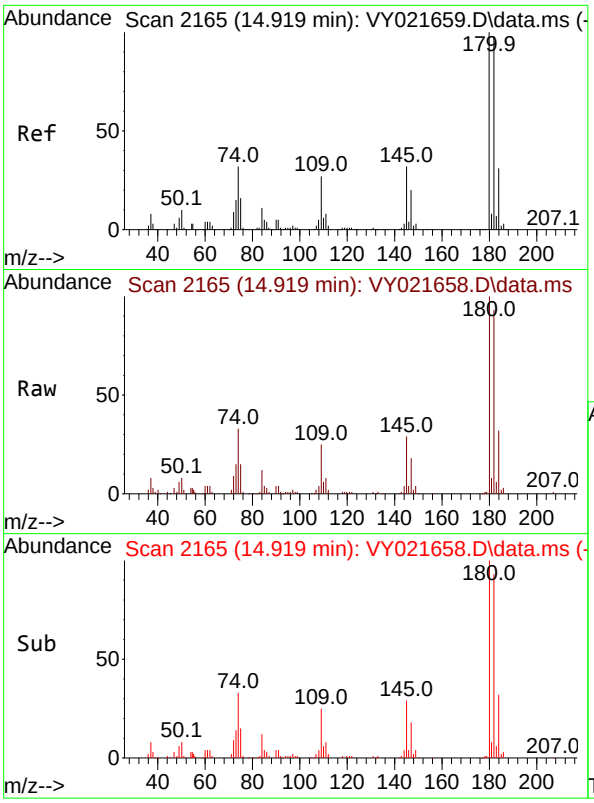


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.811 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6369

Ion	Ratio	Lower	Upper
75	100		
155	82.7	43.0	128.8
157	102.0	54.0	162.0



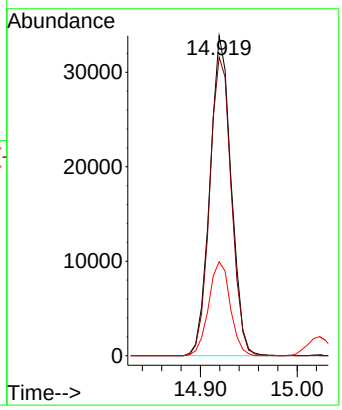


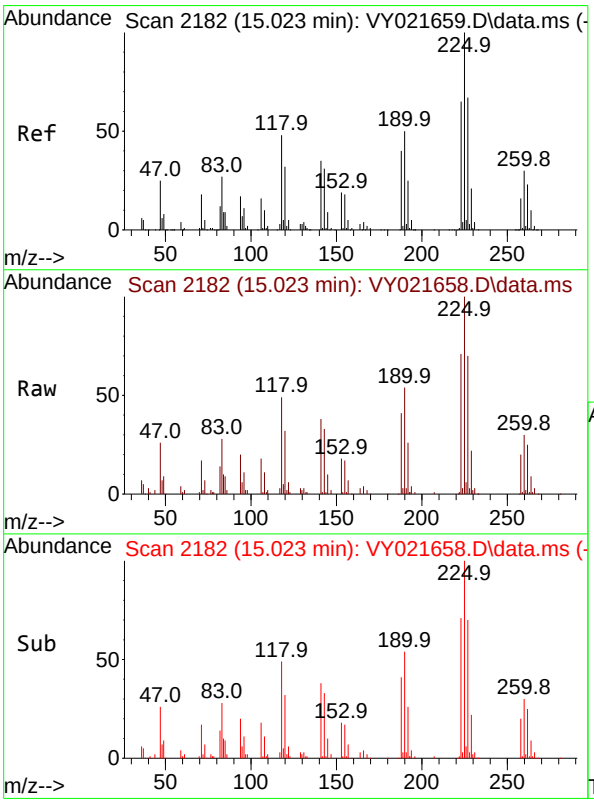
#93
1,2,4-Trichlorobenzene
Concen: 18.971 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 51474

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	30.0	14.9	44.9

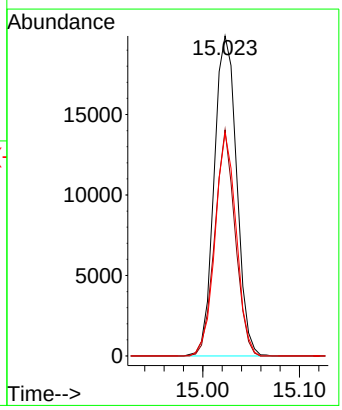


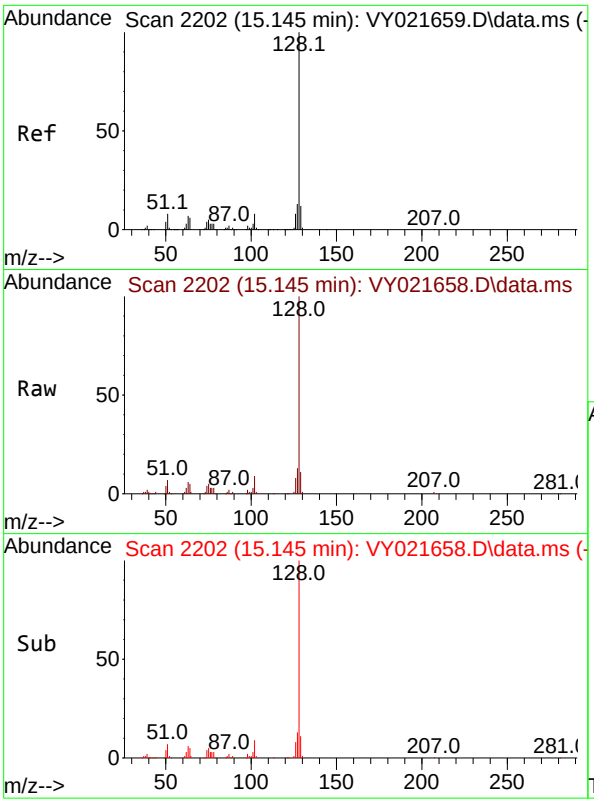


#94
Hexachlorobutadiene
Concen: 18.916 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:225 Resp: 32055

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	65.5	32.4	97.0



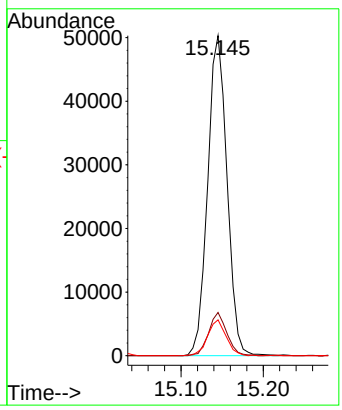


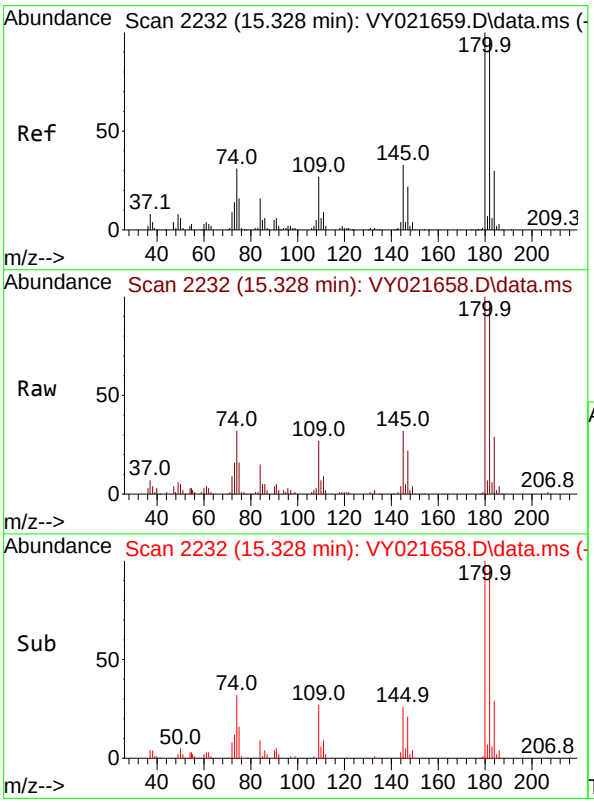
#95
Naphthalene
Concen: 18.305 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 82325

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	10.7	8.8	13.2

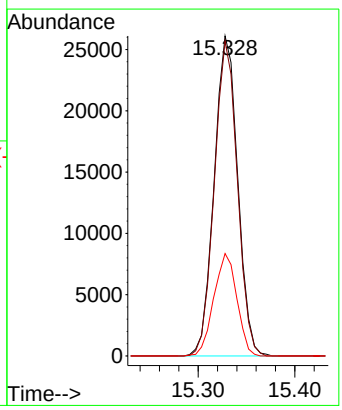




#96
1,2,3-Trichlorobenzene
Concen: 19.037 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:180 Resp: 44047

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.5
145	31.3	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.262	41	119440	130.380 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	155365	50.343 ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076 ug/l	100
44) Trichloroethene	8.865	130	138449	49.637 ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395 ug/l	100
46) Dibromomethane	9.231	93	73435	49.174 ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237 ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902 ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192 ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893 ug/l	100
52) Toluene	10.170	92	351715	51.496 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579 ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254 ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124 ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643 ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012 ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334 ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067 ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288 ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602 ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188 ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634 ug/l	100
69) o-Xylene	11.956	106	243359	53.135 ug/l	100
70) Styrene	11.969	104	406215	53.195 ug/l	100
71) Bromoform	12.133	173	78206	51.140 ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505 ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	147626	88.688 ug/l #	100
77) Bromobenzene	12.529	156	149323	49.864 ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702 ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550 ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995 ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541 ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248 ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820 ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525 ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147 ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544 ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268 ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935 ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642 ug/l	100
95) Naphthalene	15.145	128	253209	54.848 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

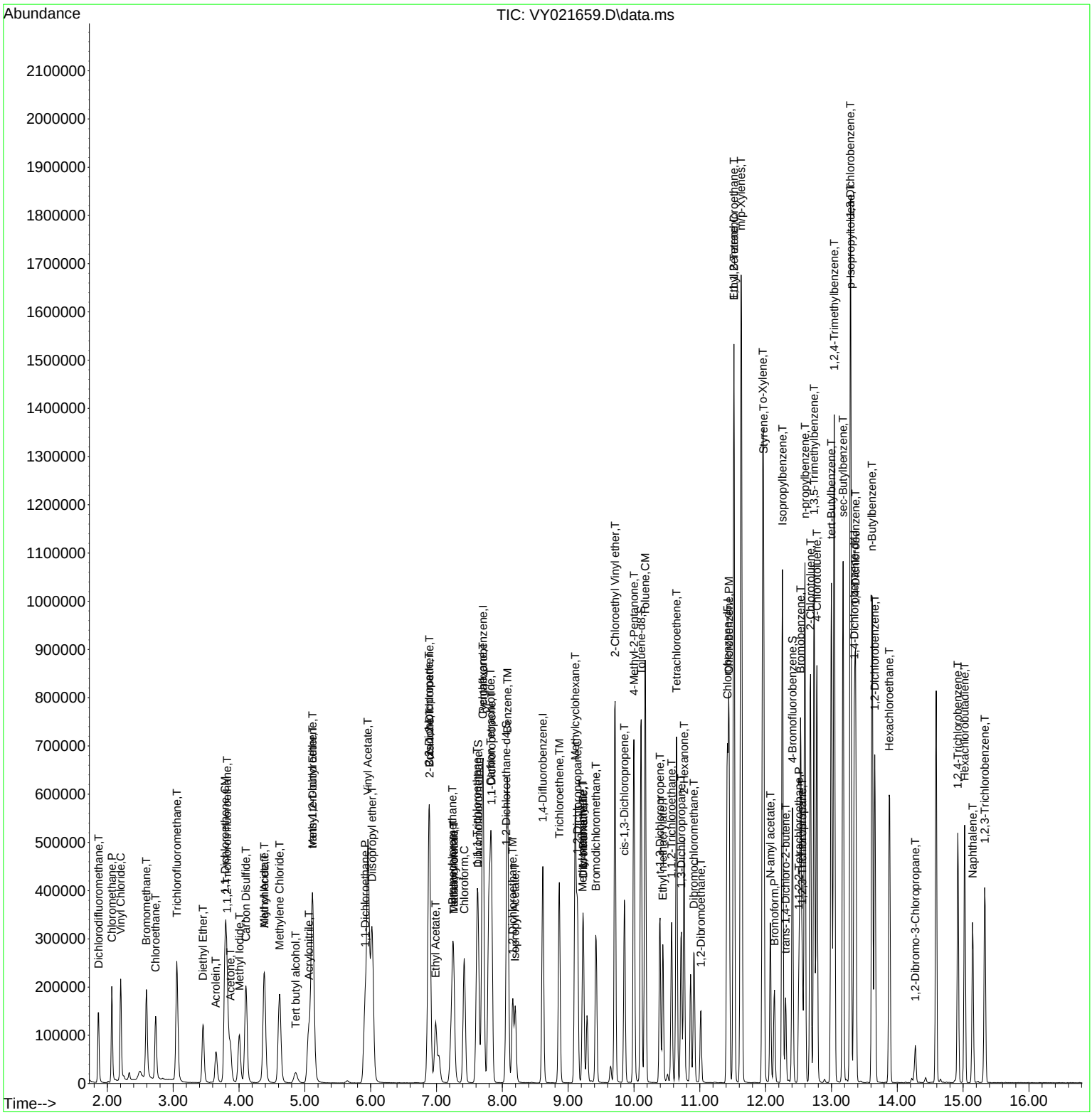
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

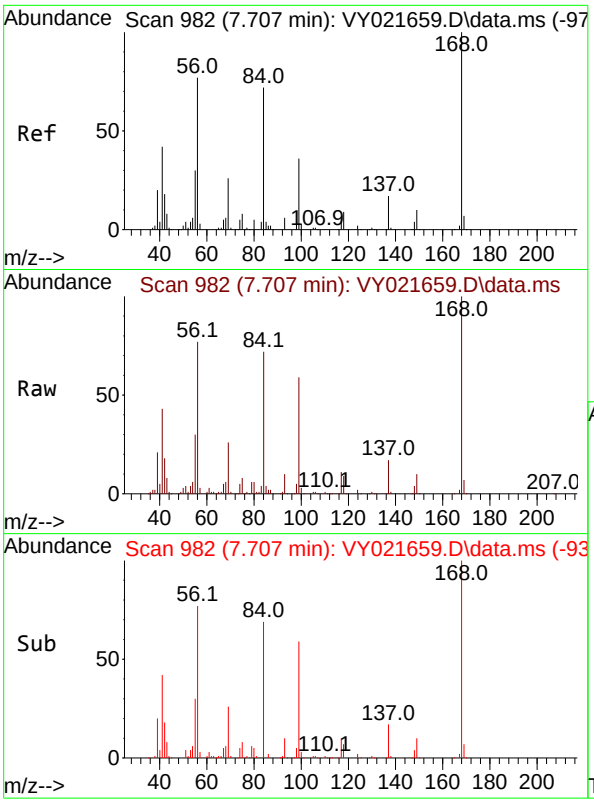
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
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: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration



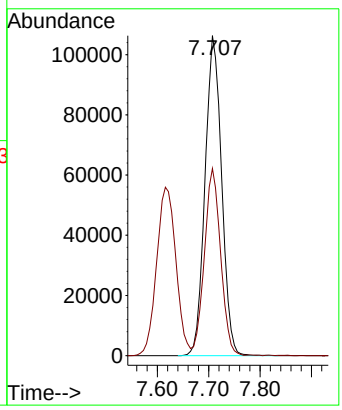


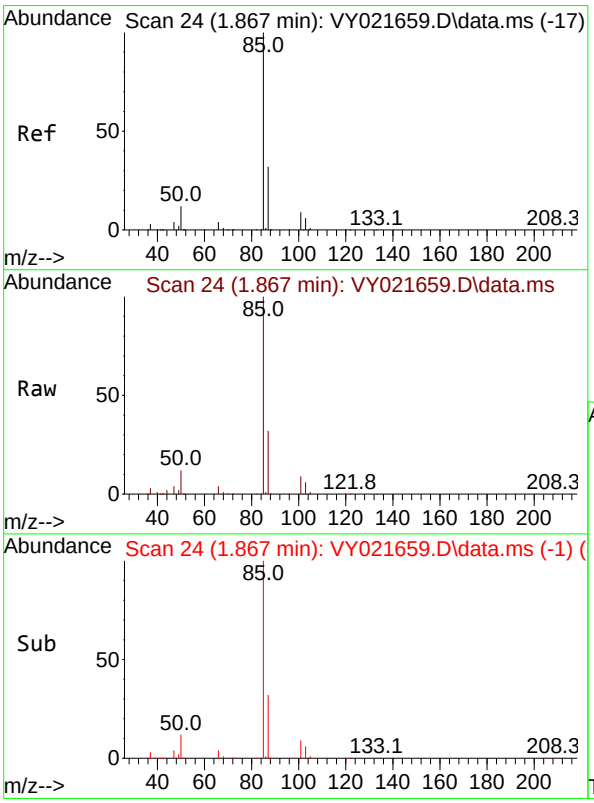
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 238234

Ion	Ratio	Lower	Upper
168	100		
99	58.4	46.7	70.1

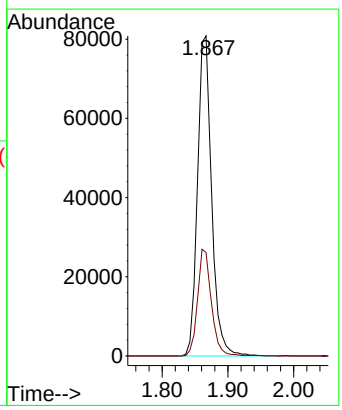


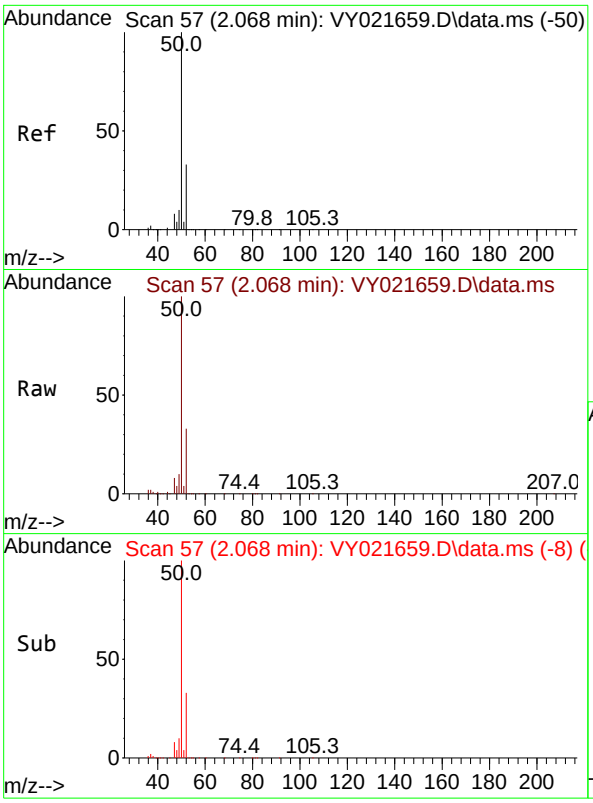


#2
Dichlorodifluoromethane
Concen: 48.836 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 85 Resp: 120589

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6



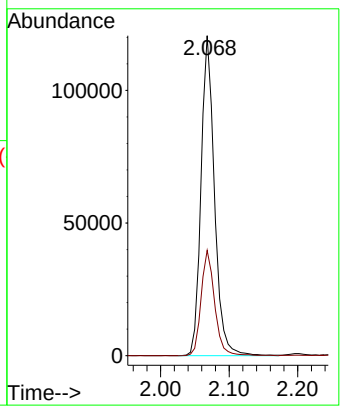


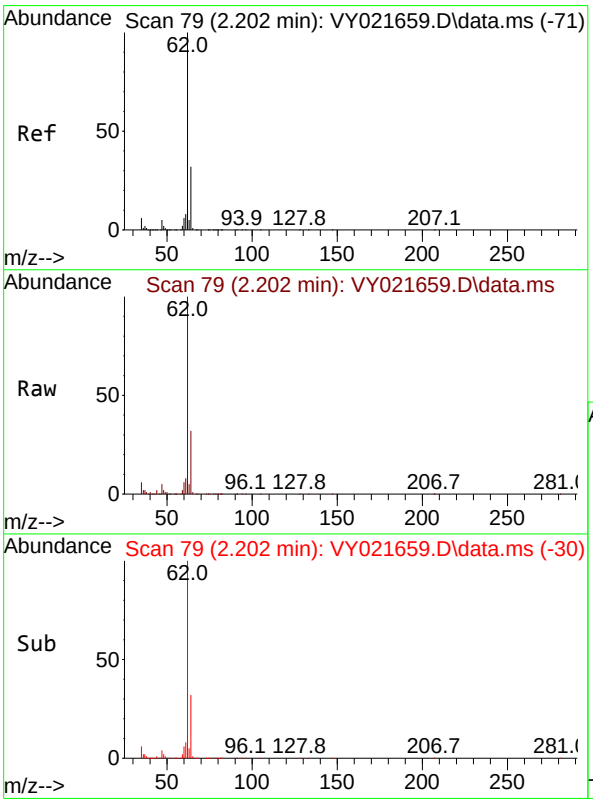
#3
Chloromethane
Concen: 47.510 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 164961

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.3	39.5

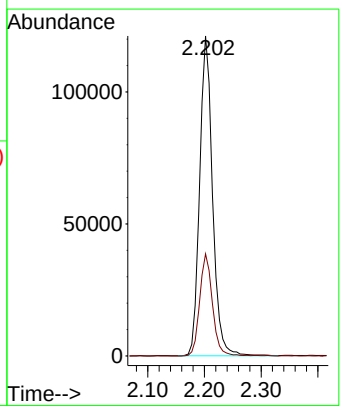


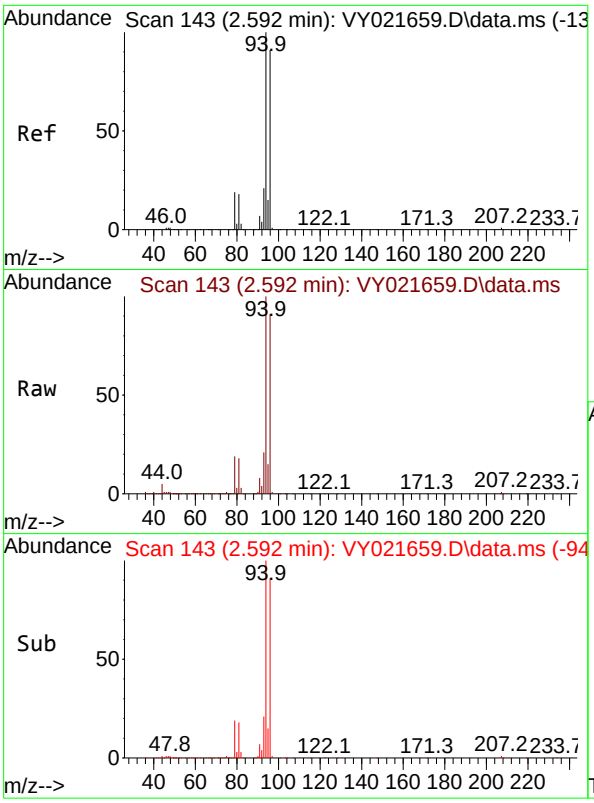


#4
Vinyl Chloride
Concen: 48.513 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 190491

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3



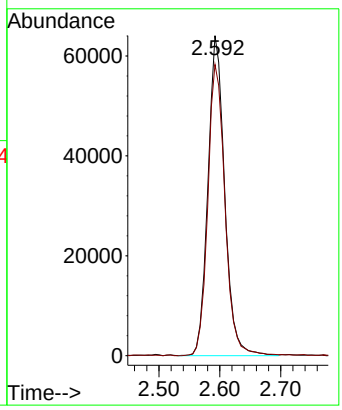


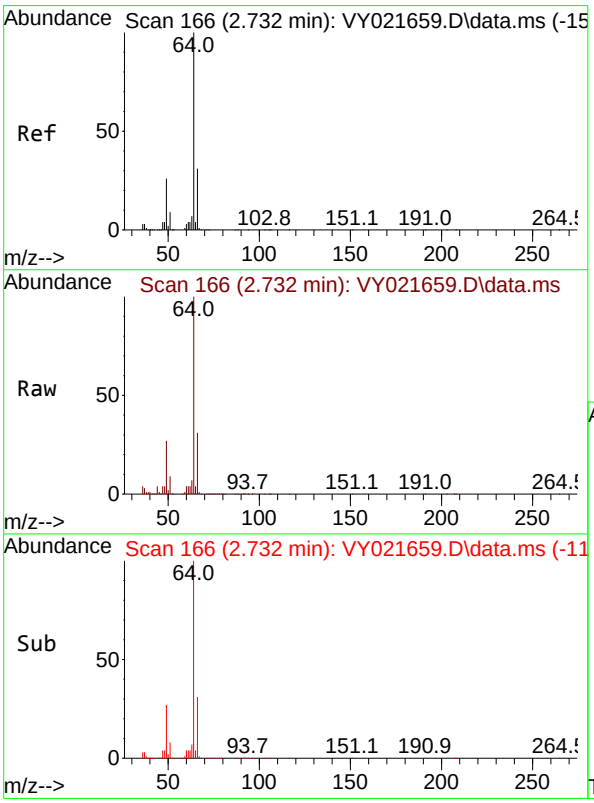
#5
Bromomethane
Concen: 45.662 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 122288

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2

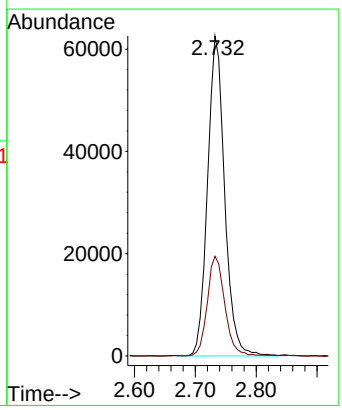


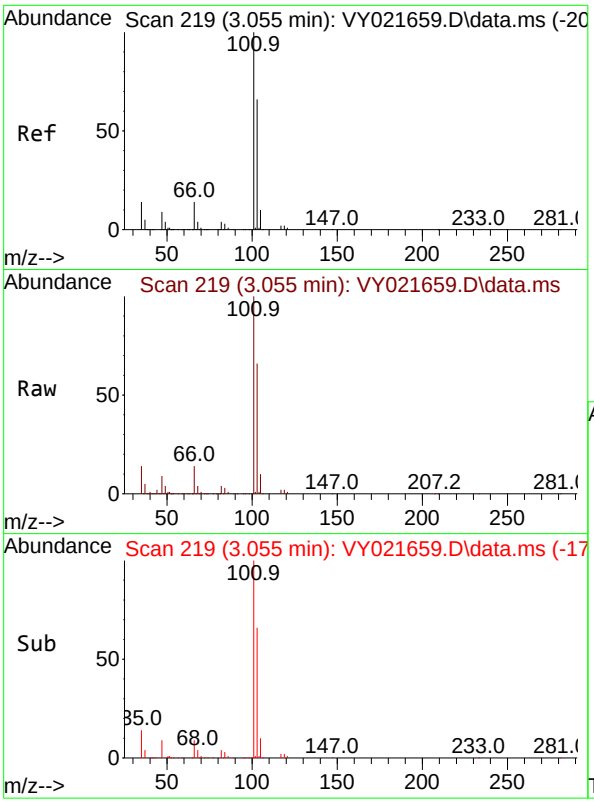


#6
Chloroethane
Concen: 47.492 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 64 Resp: 122027

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.9	37.3



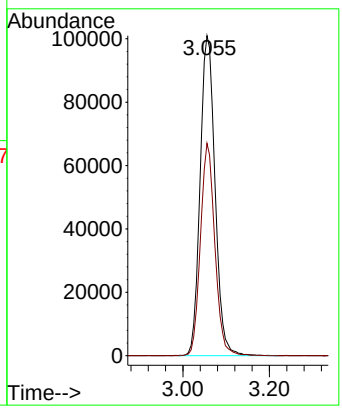


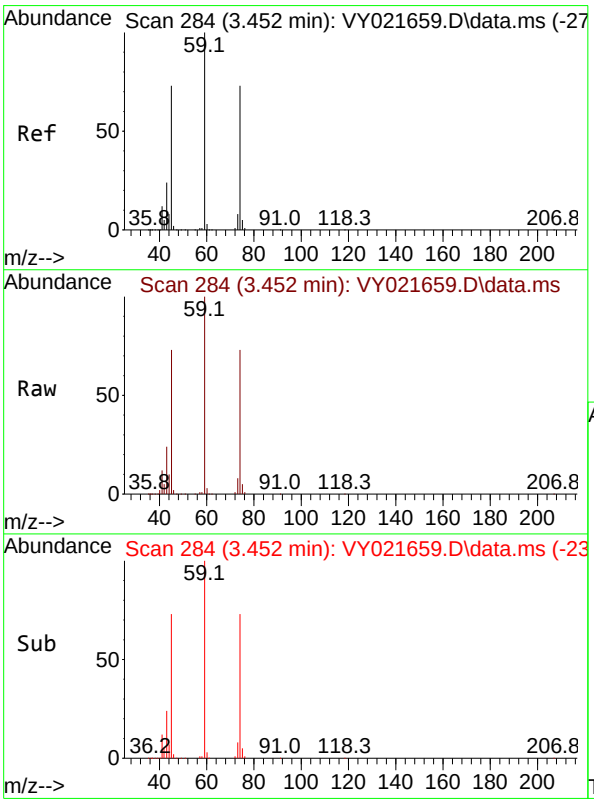
#7
Trichlorofluoromethane
Concen: 47.980 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 241339

Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.1	79.7

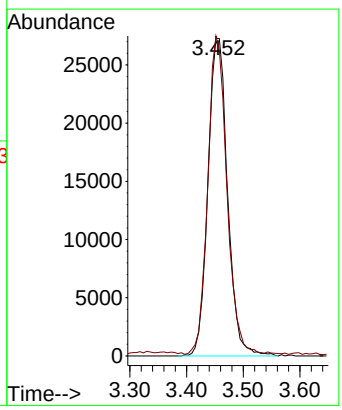


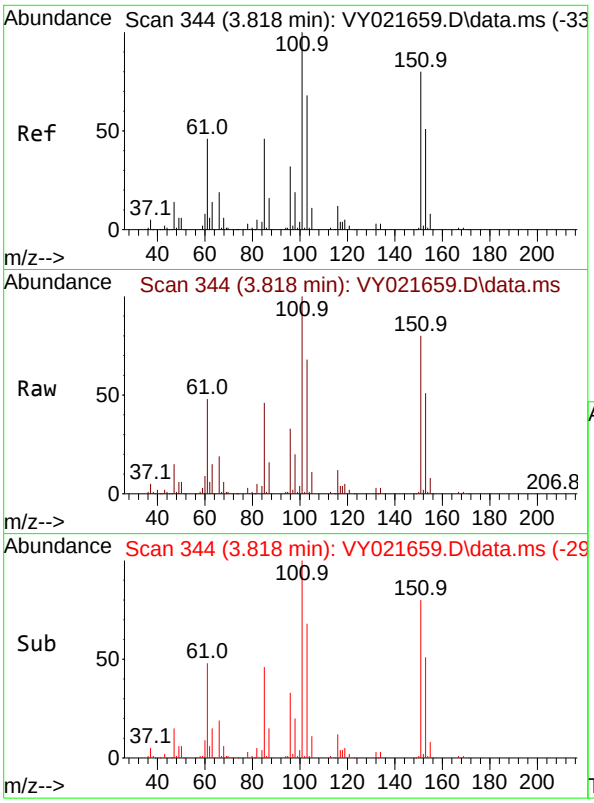


#8
Diethyl Ether
Concen: 47.960 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 74 Resp: 65605

Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8



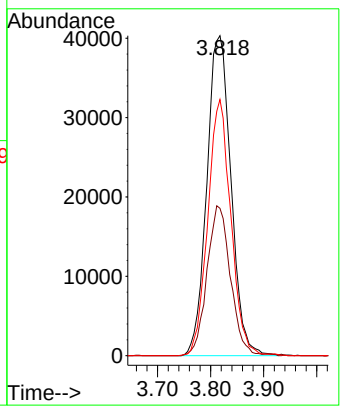


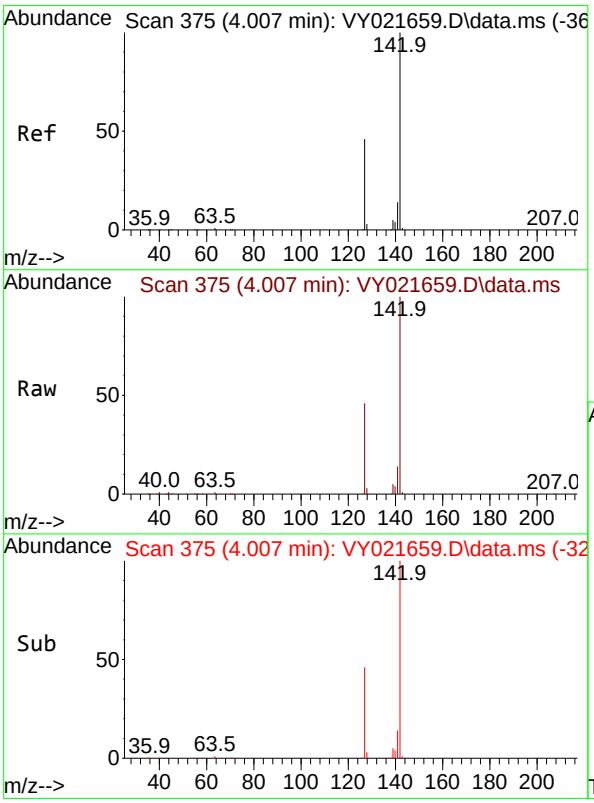
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.159 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 127763

Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	76.6	61.3	91.9

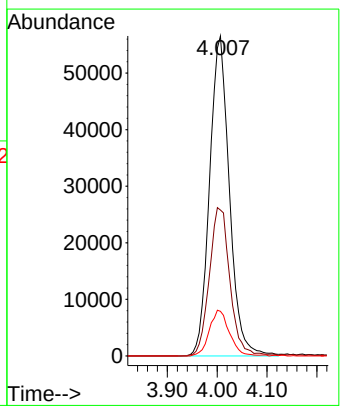


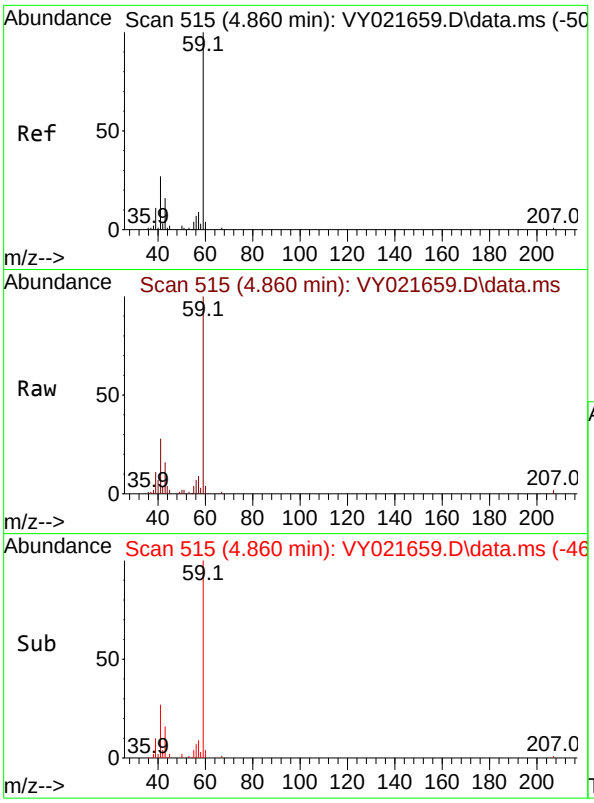


#10
Methyl Iodide
Concen: 53.639 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:142 Resp: 156113

Ion	Ratio	Lower	Upper
142	100		
127	48.4	38.7	58.1
141	14.4	11.5	17.3



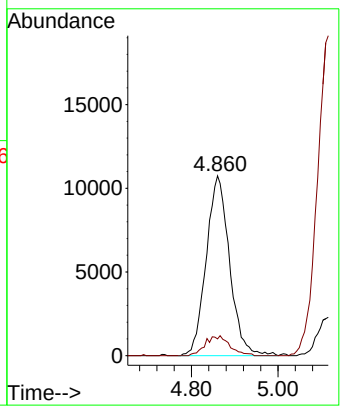


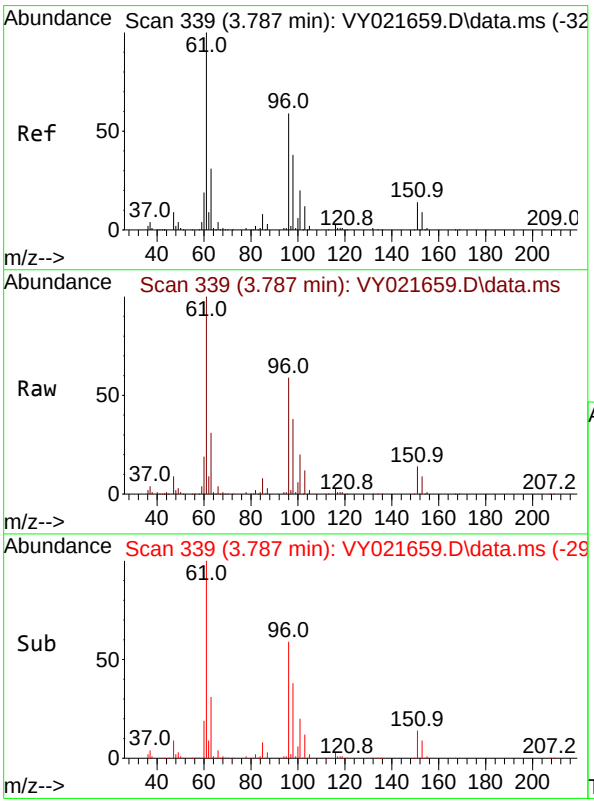
#11
Tert butyl alcohol
Concen: 240.362 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 40298

Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8

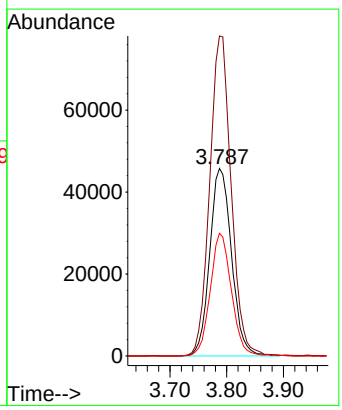


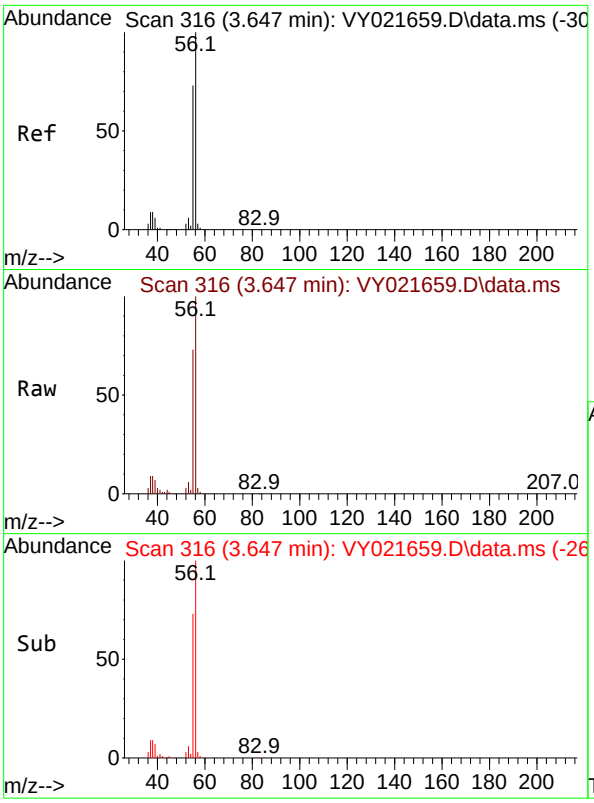


#12
1,1-Dichloroethene
Concen: 48.991 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 96 Resp: 122422

Ion	Ratio	Lower	Upper
96	100		
61	170.7	136.6	204.8
98	65.4	52.3	78.5



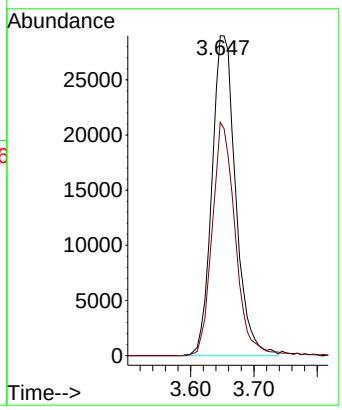


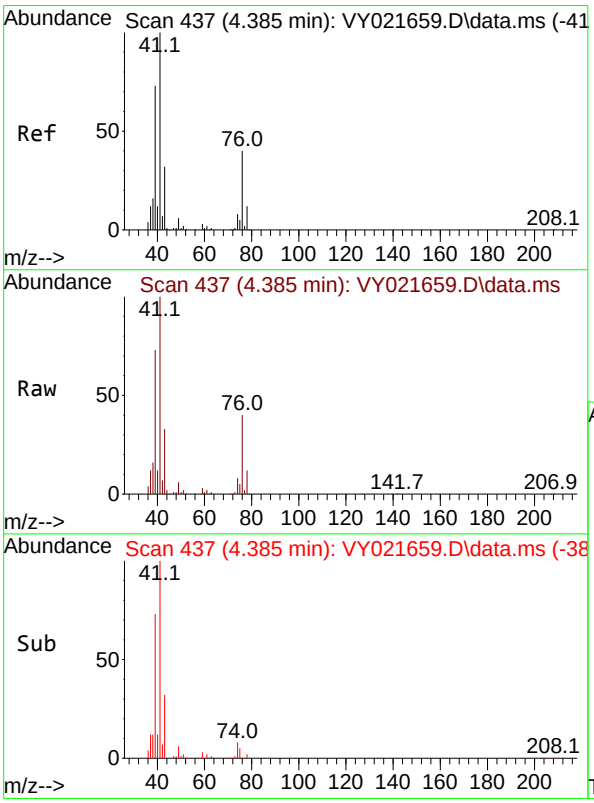
#13
Acrolein
Concen: 246.189 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 75366

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	85.0

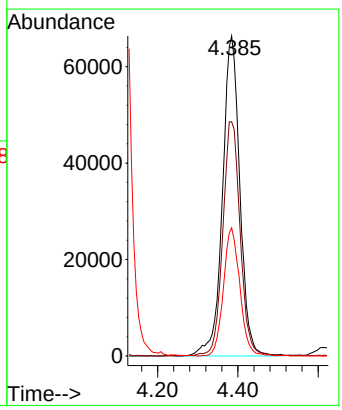


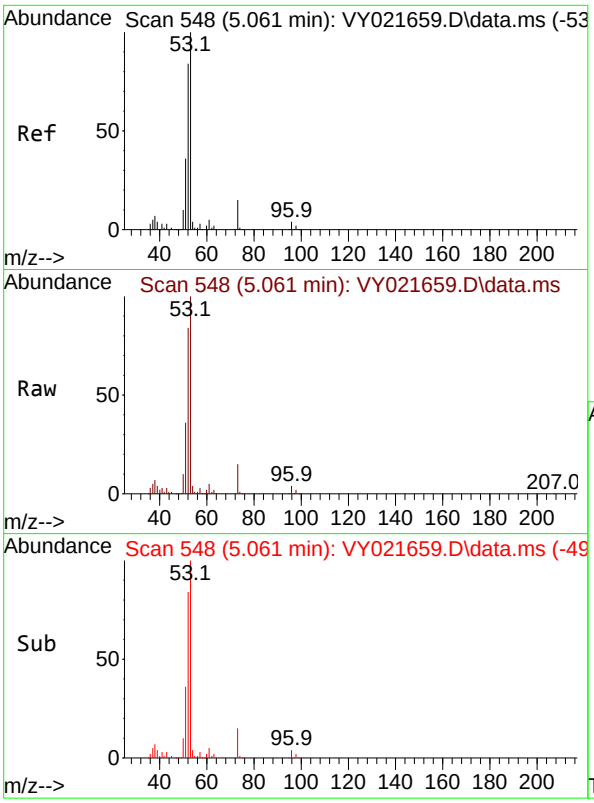


#14
Allyl chloride
Concen: 50.077 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 199515

Ion	Ratio	Lower	Upper
41	100		
39	73.3	58.6	88.0
76	37.9	30.3	45.5



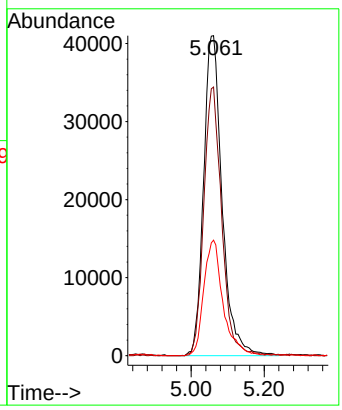


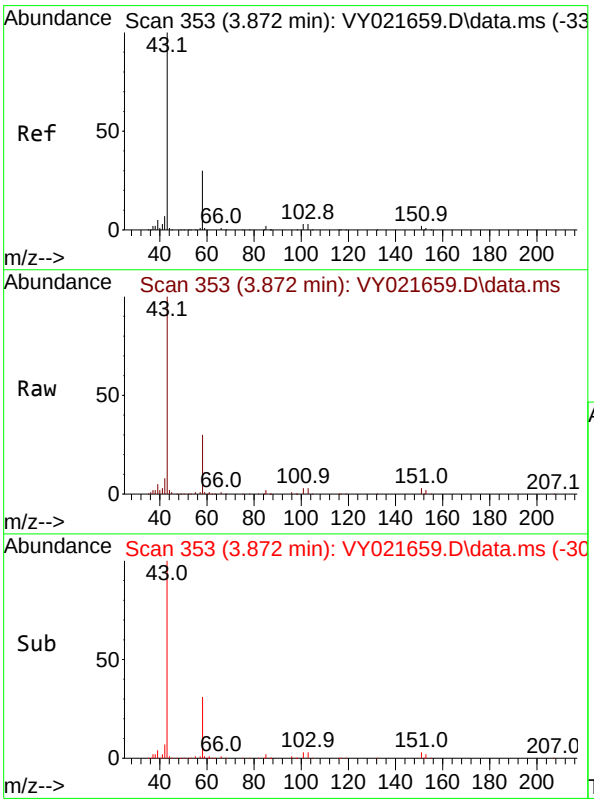
#15
Acrylonitrile
Concen: 252.430 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 144175

Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.9	97.3
51	37.7	30.2	45.2

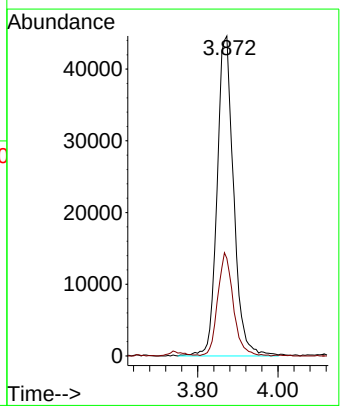


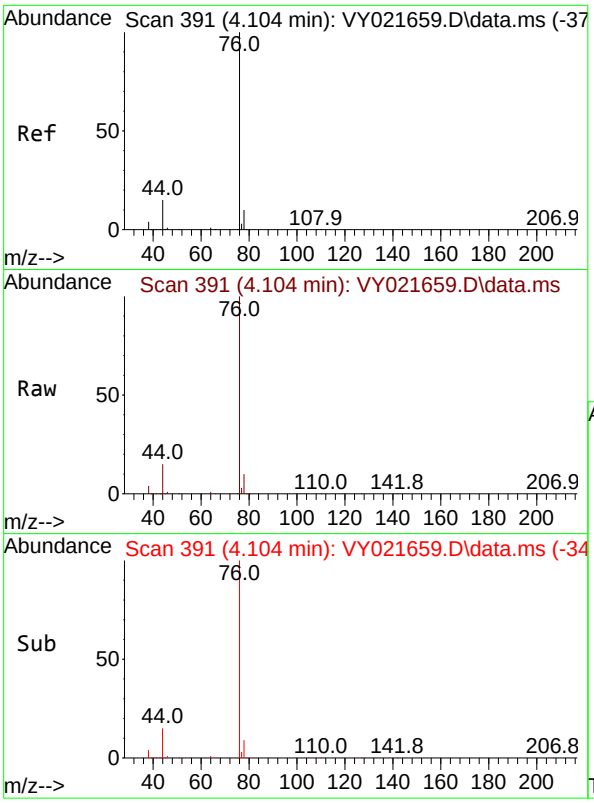


#16
Acetone
Concen: 241.737 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 127702

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



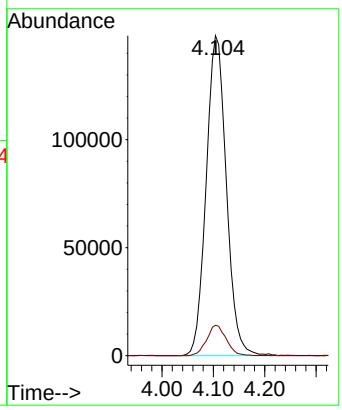


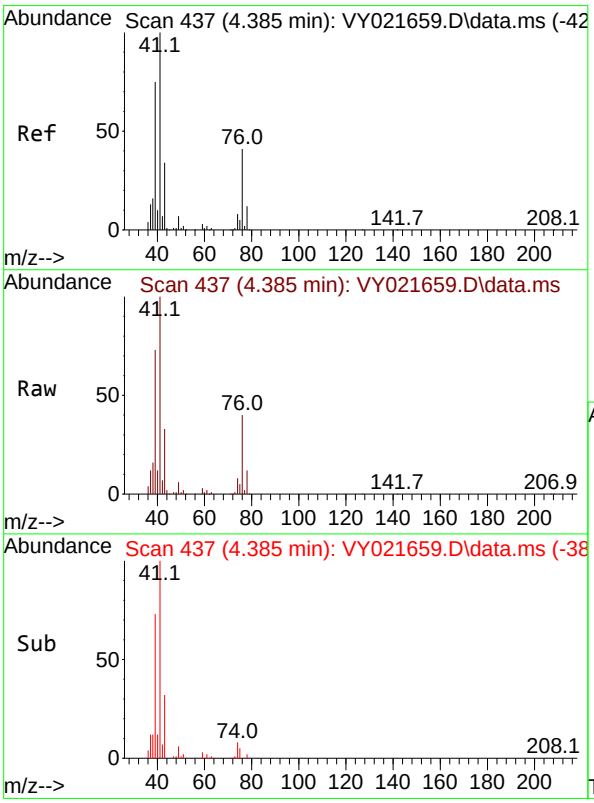
#17
Carbon Disulfide
Concen: 49.101 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 404128

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

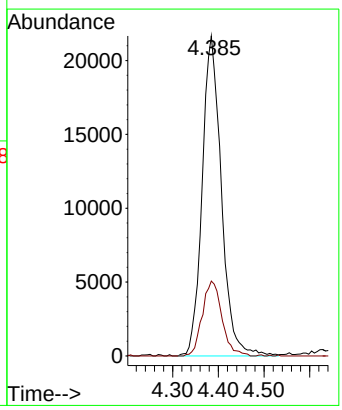


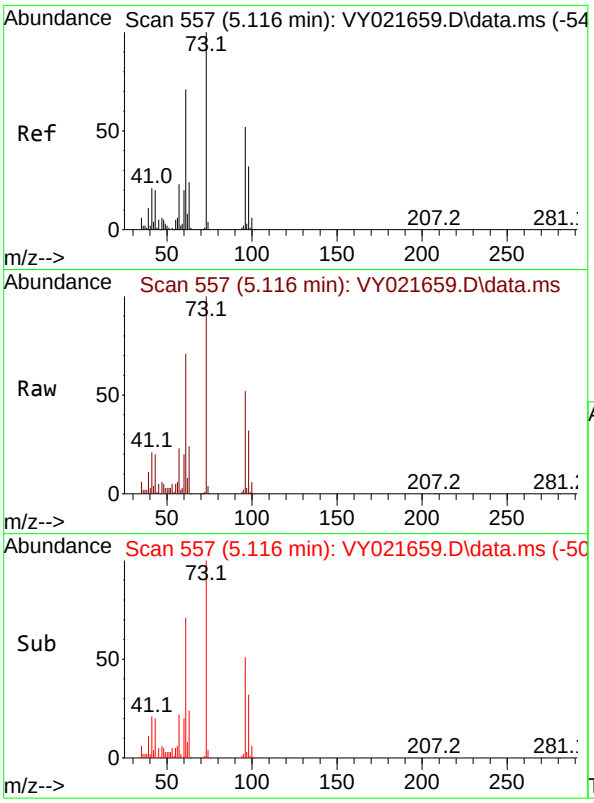


#18
Methyl Acetate
Concen: 48.309 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 63249

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7



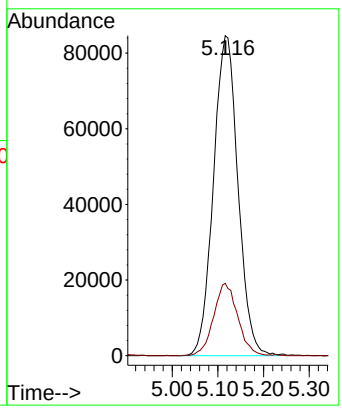


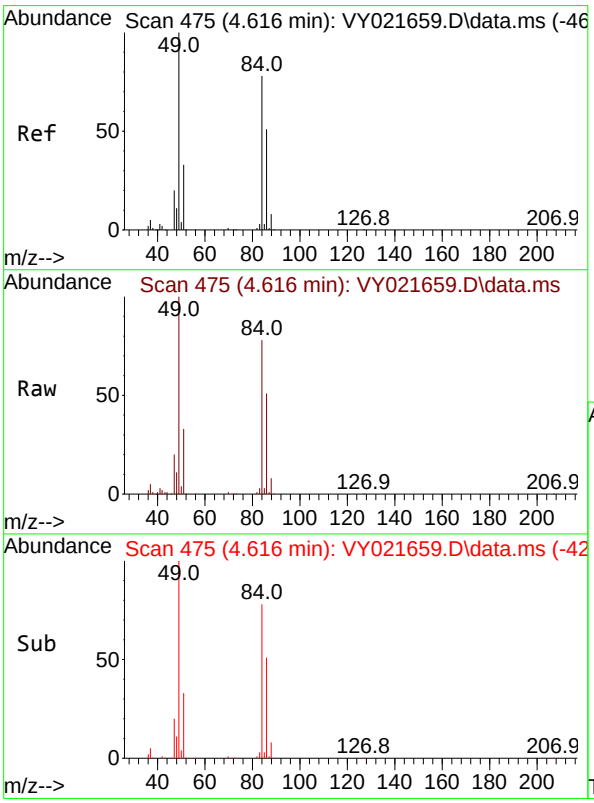
#19
Methyl tert-butyl Ether
Concen: 50.742 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 315679

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1

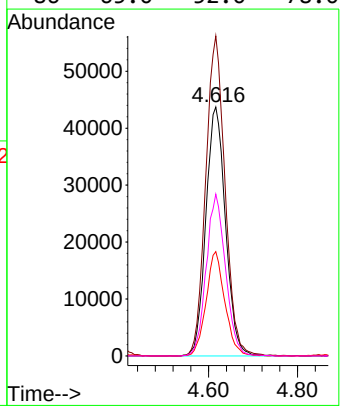


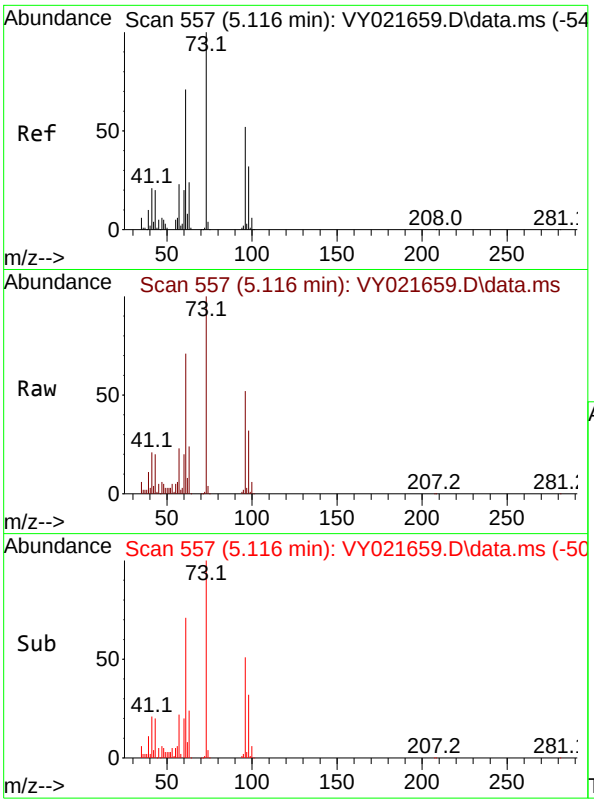


#20
Methylene Chloride
Concen: 52.136 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 84 Resp: 134344

Ion	Ratio	Lower	Upper
84	100		
49	128.5	102.8	154.2
51	41.9	33.5	50.3
86	65.0	52.0	78.0



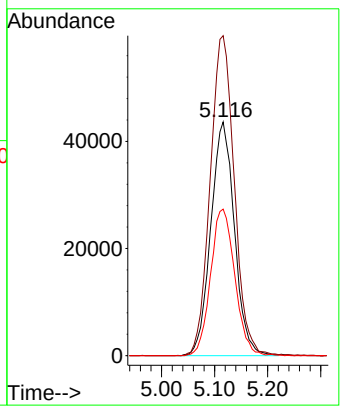


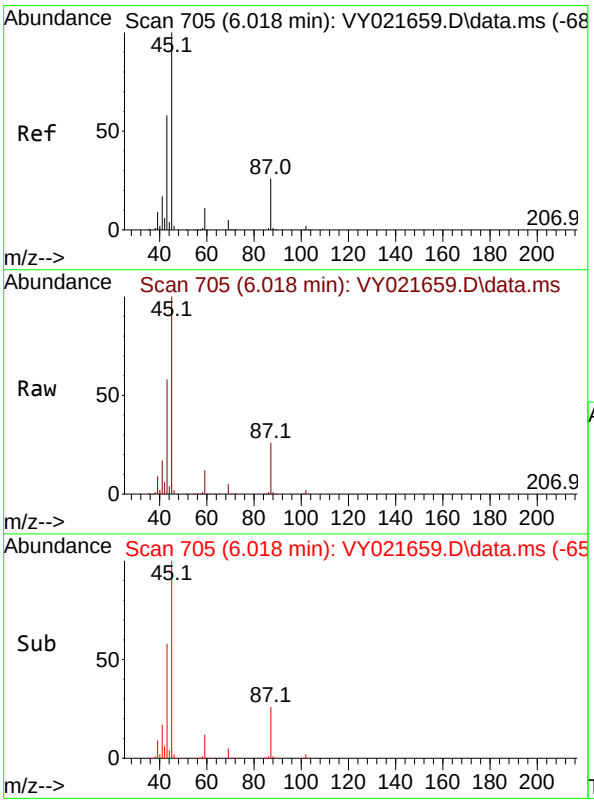
#21
trans-1,2-Dichloroethene
Concen: 49.108 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 135112

Ion	Ratio	Lower	Upper
96	100		
61	136.7	109.4	164.0
98	62.7	50.2	75.2

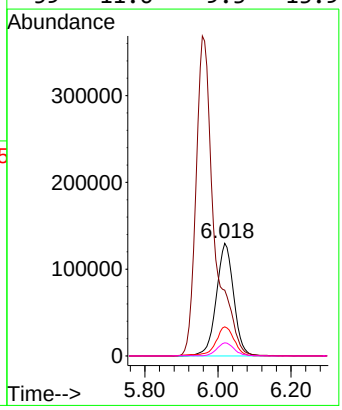


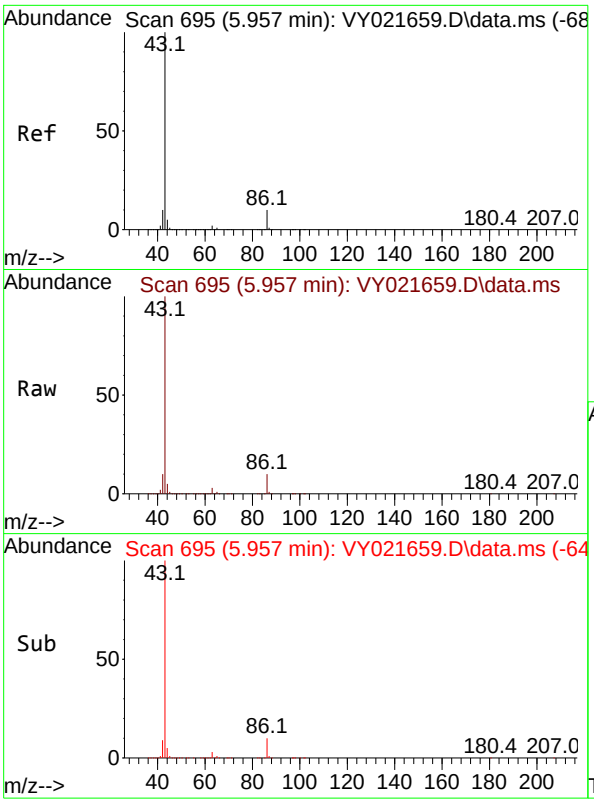


#22
Diisopropyl ether
Concen: 51.315 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 45 Resp: 428881

Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.6	69.8
87	25.9	20.7	31.1
59	11.6	9.3	13.9



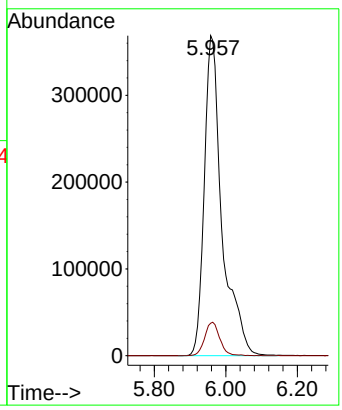


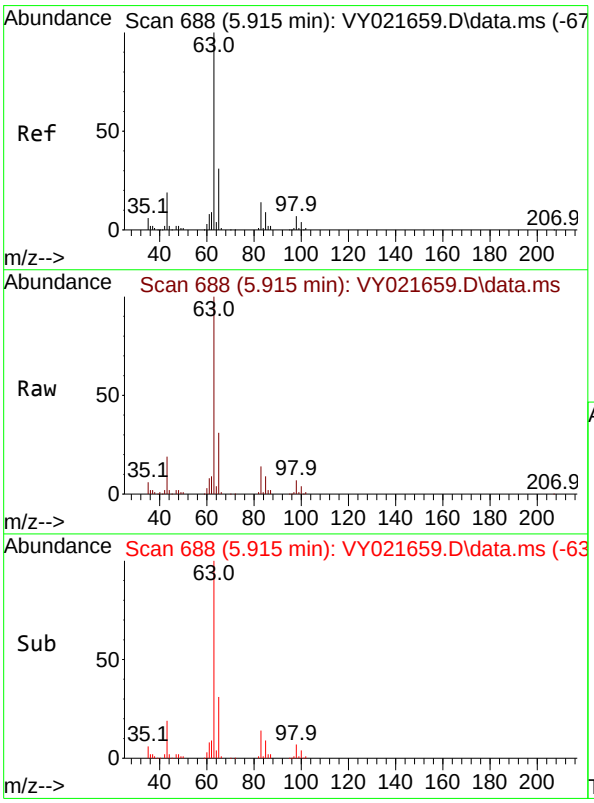
#23
Vinyl Acetate
Concen: 259.718 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1269853

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.2	12.2

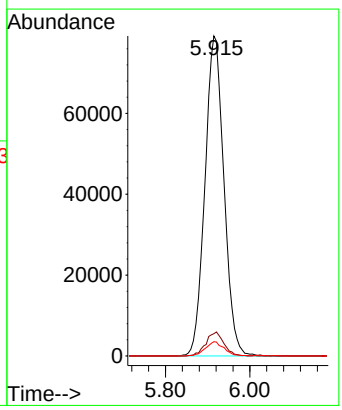


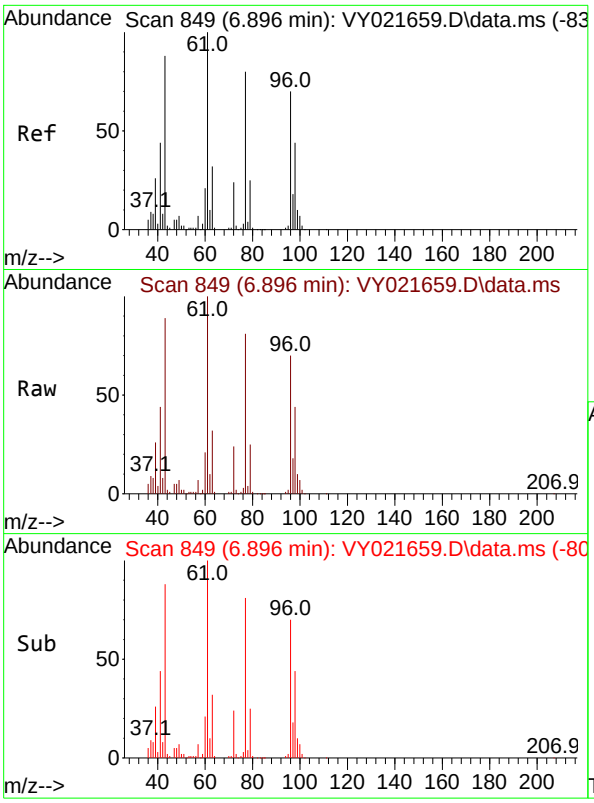


#24
1,1-Dichloroethane
Concen: 49.589 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 247826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.4	2.2	6.6



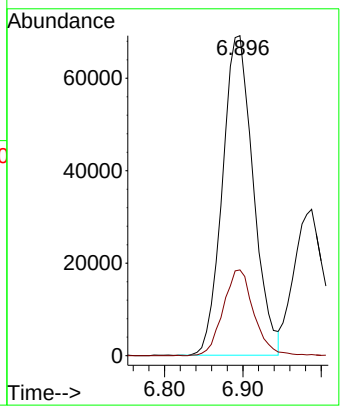


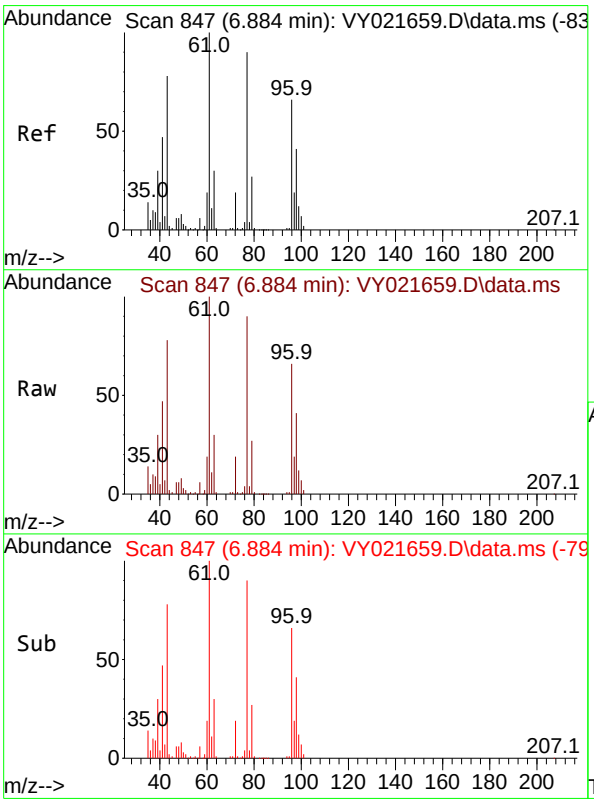
#25
2-Butanone
Concen: 251.037 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 189416

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

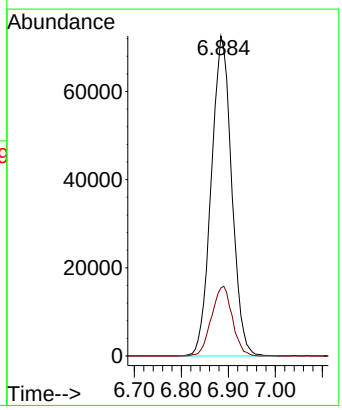


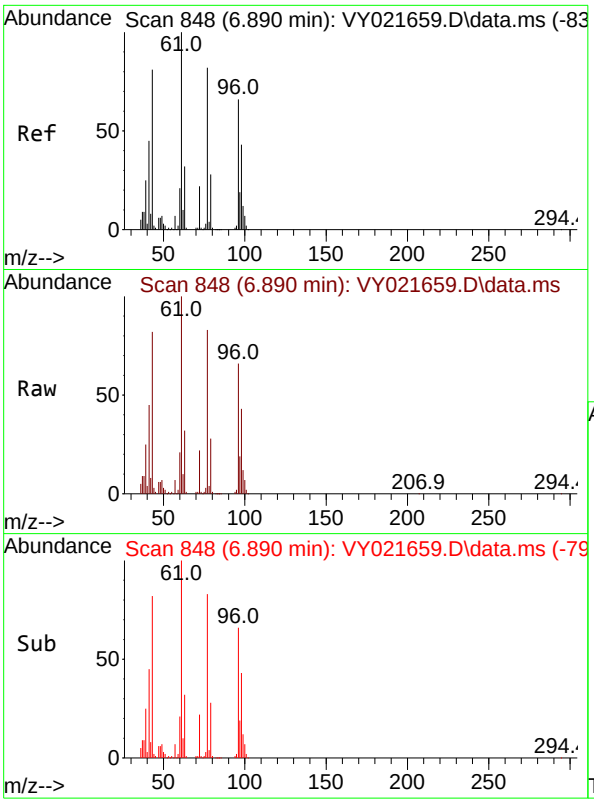


#26
2,2-Dichloropropane
Concen: 49.293 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 77 Resp: 219131

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.1	33.1



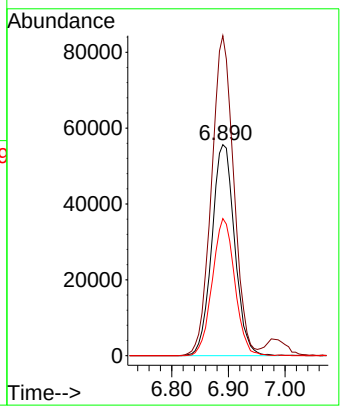


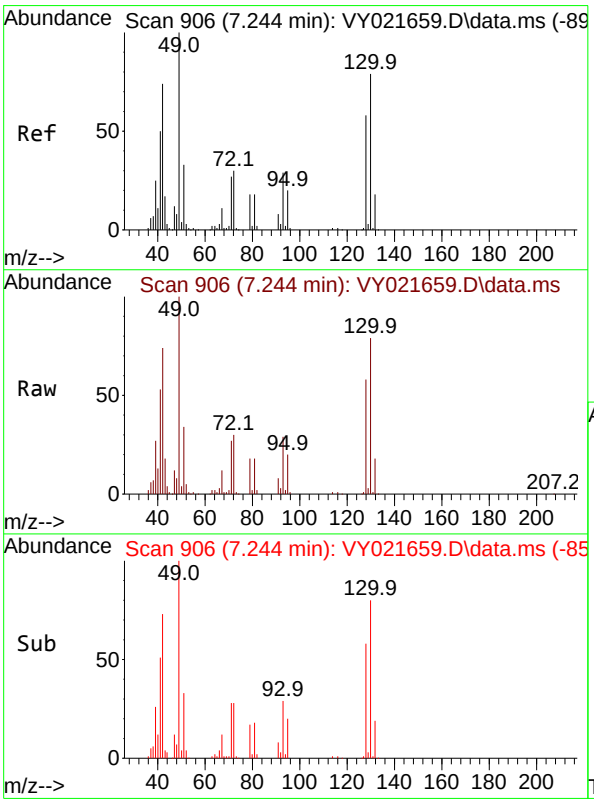
#27
cis-1,2-Dichloroethene
Concen: 50.214 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 155365

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	296.4
98	64.0	0.0	128.0

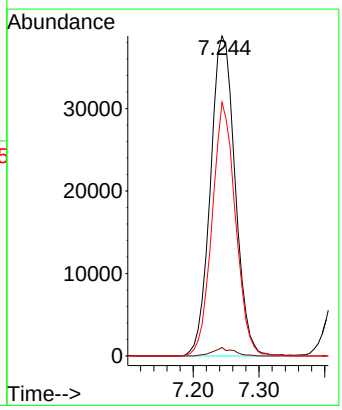


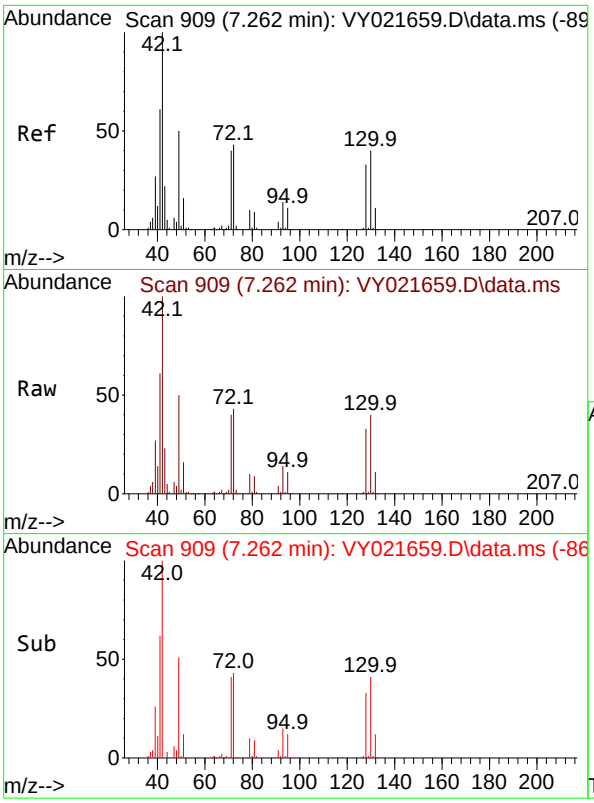


#28
Bromochloromethane
Concen: 48.116 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 49 Resp: 101413

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.1	60.1	90.1



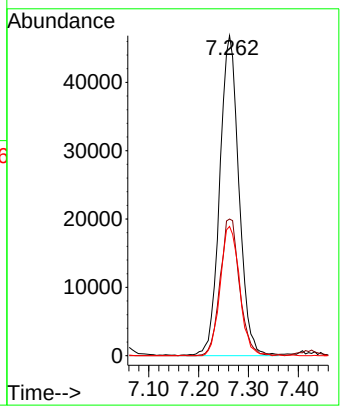


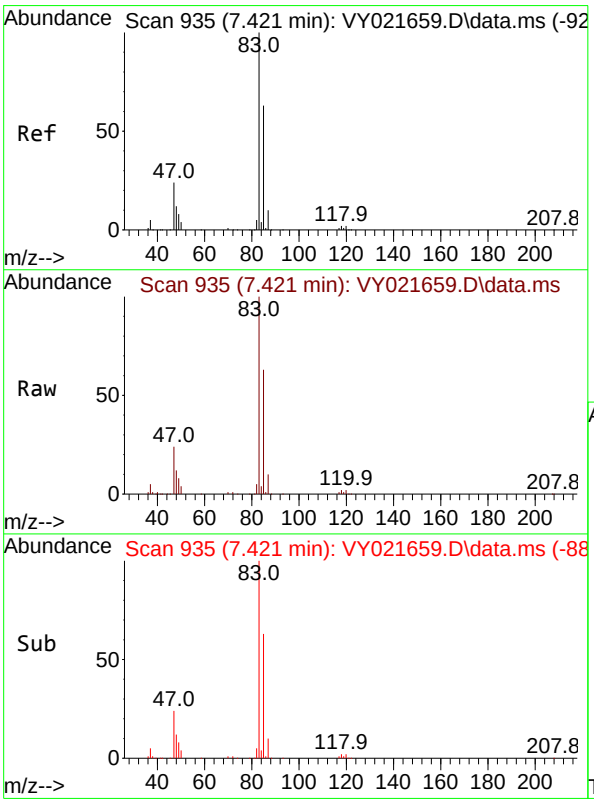
#29
Tetrahydrofuran
Concen: 258.206 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 125387

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.6	32.5	48.7

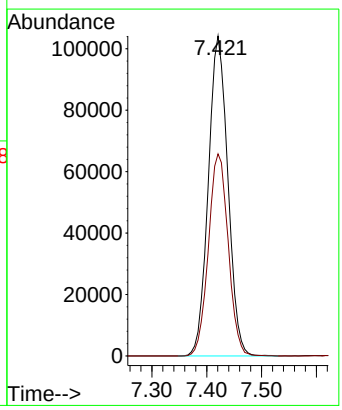


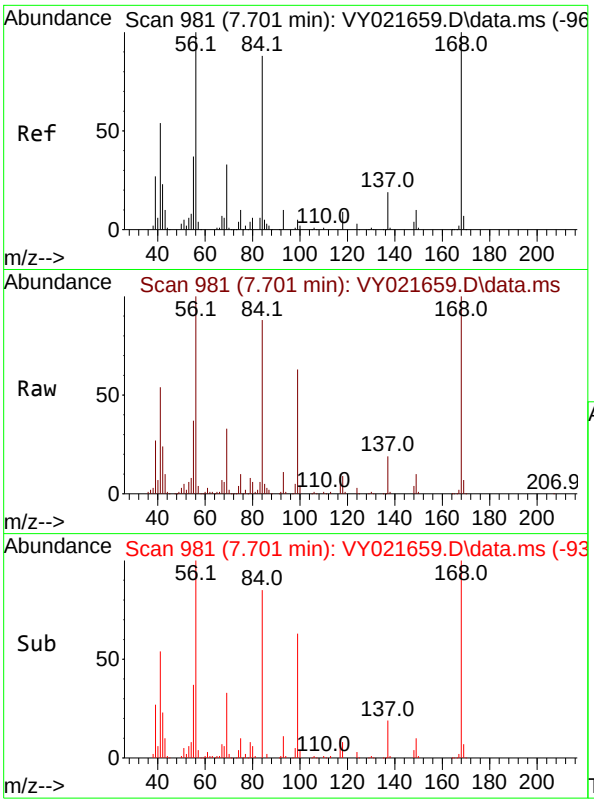


#30
Chloroform
Concen: 49.541 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 83 Resp: 257511

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8



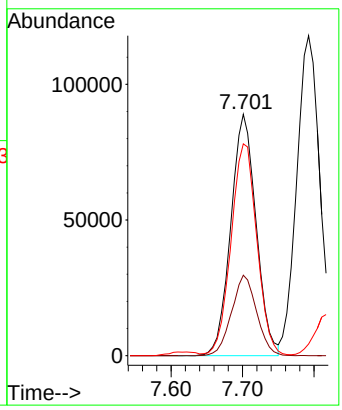


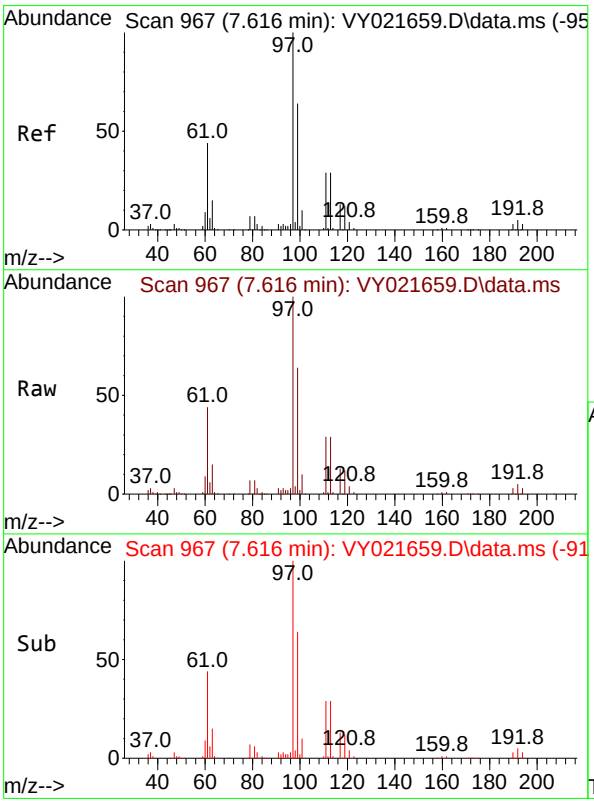
#31
Cyclohexane
Concen: 48.004 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 218689

Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	86.2	69.0	103.4

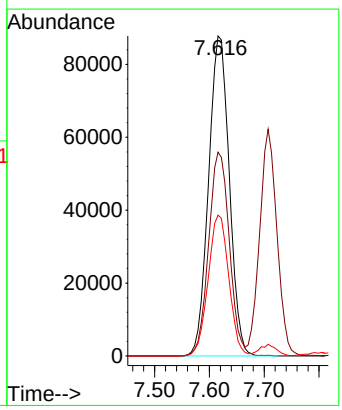


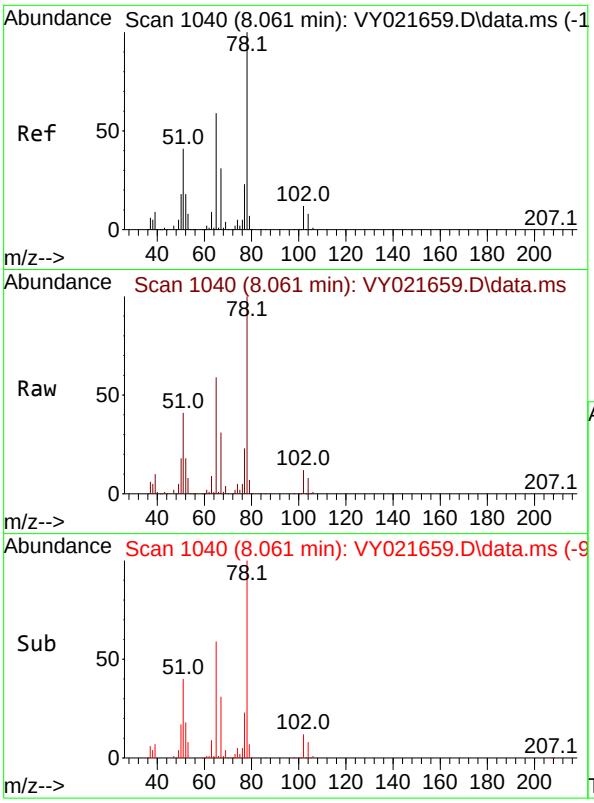


#32
1,1,1-Trichloroethane
Concen: 49.051 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 97 Resp: 230441

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.7	76.1
61	44.0	35.2	52.8



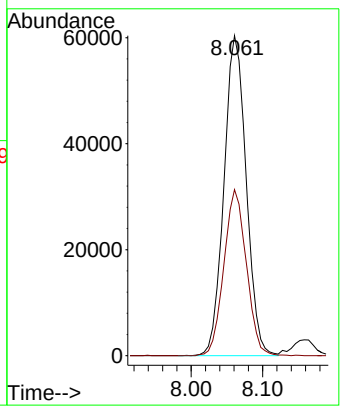


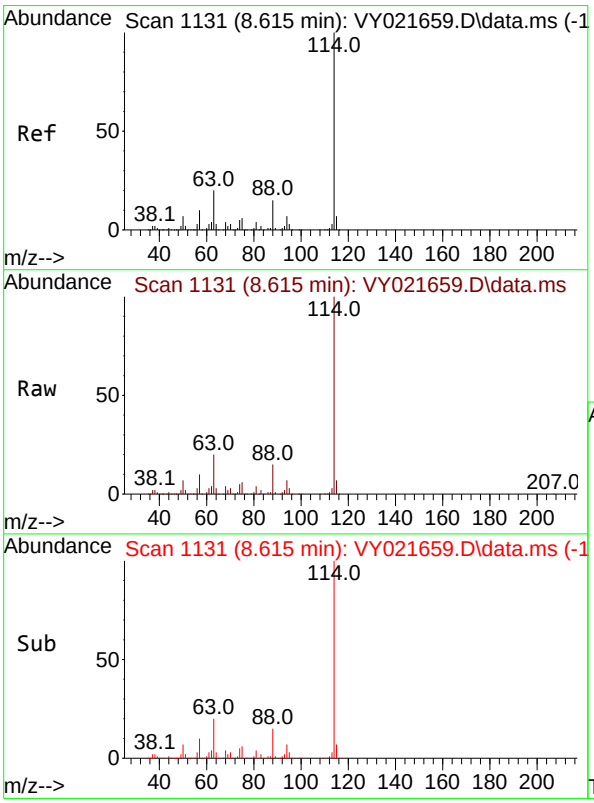
#33
1,2-Dichloroethane-d4
Concen: 50.552 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 130485

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

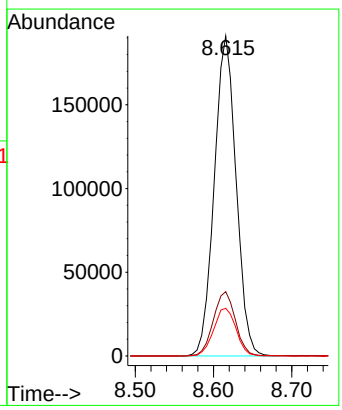


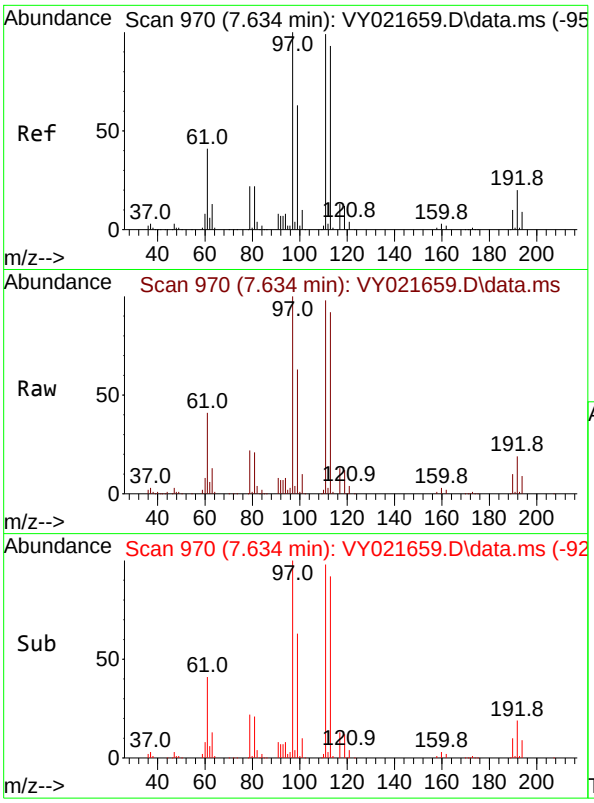


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:114 Resp: 369963

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	14.9	0.0	29.8



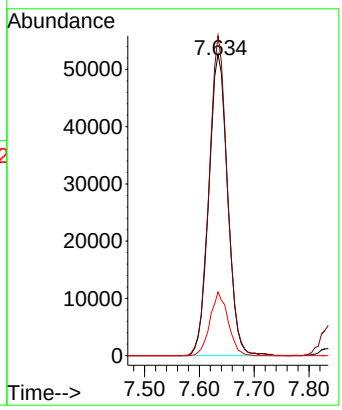


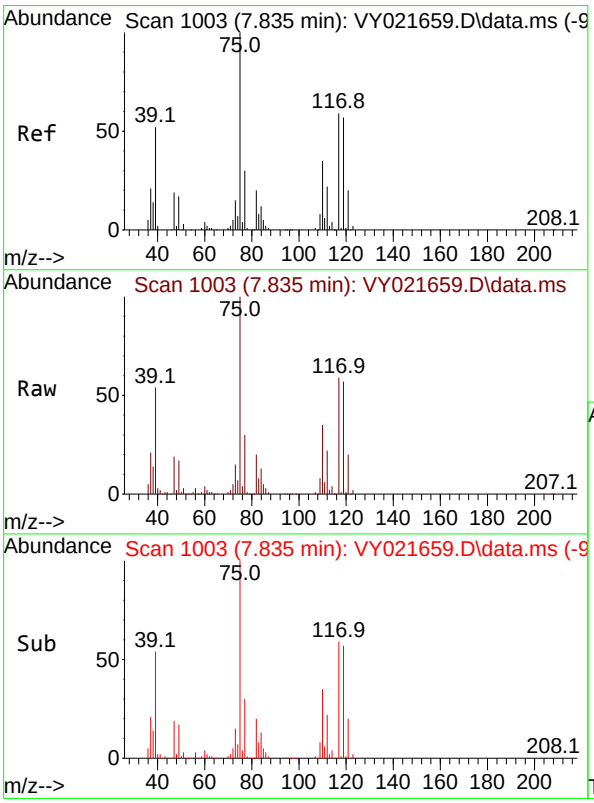
#35
Dibromofluoromethane
Concen: 52.259 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 125415

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	20.3	16.2	24.4

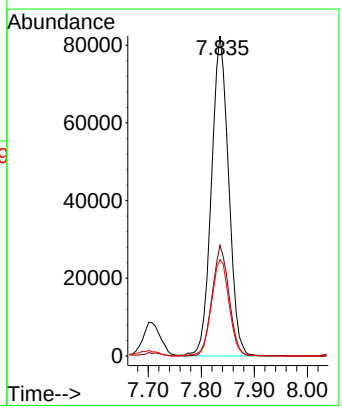


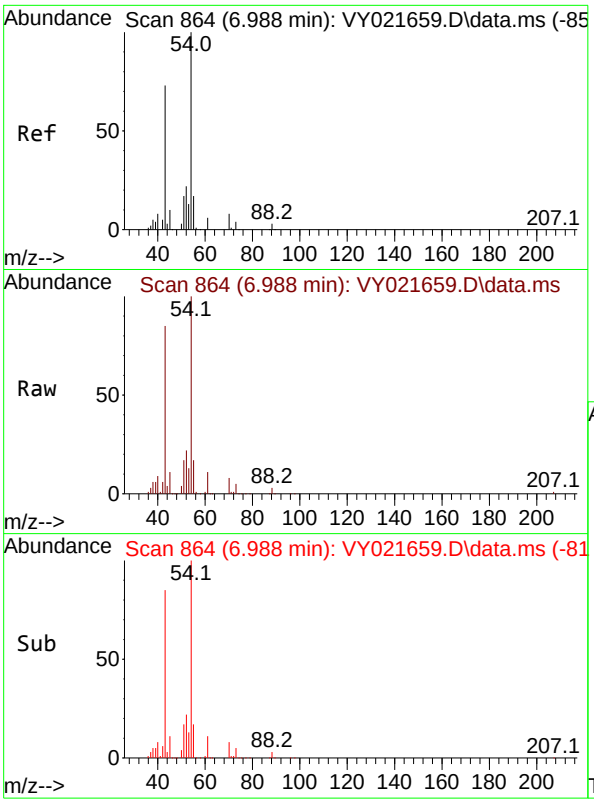


#36
1,1-Dichloropropene
Concen: 50.763 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 185559

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.0	50.9
77	31.0	24.8	37.2



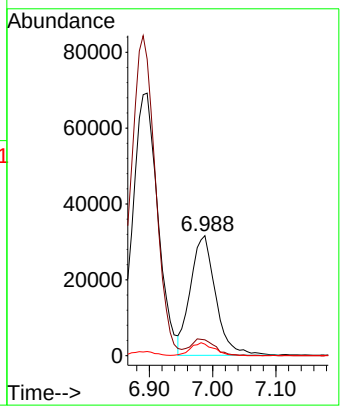


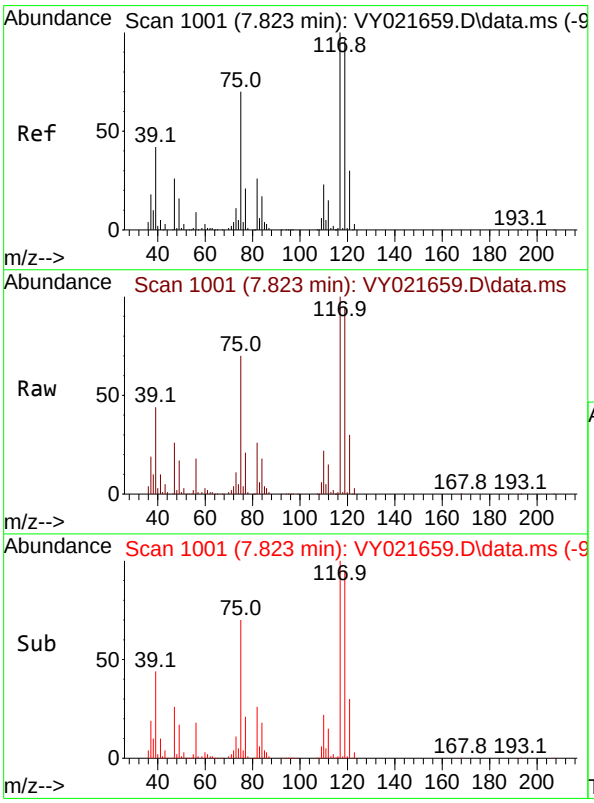
#37
Ethyl Acetate
Concen: 50.617 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 87321

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.1	8.1	12.1

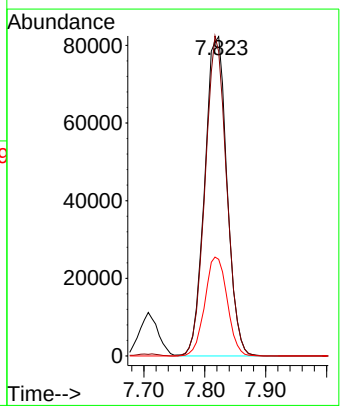


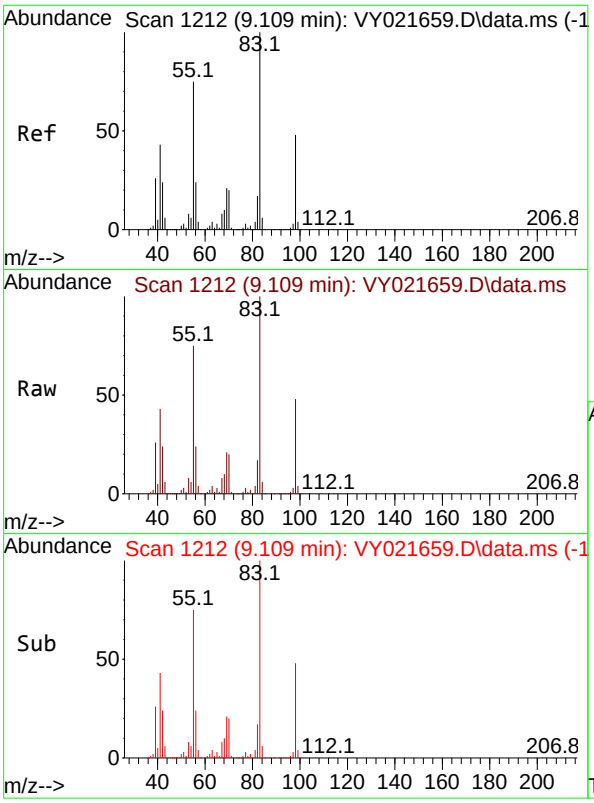


#38
Carbon Tetrachloride
Concen: 49.810 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:117 Resp: 208537

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.3	24.2	36.4



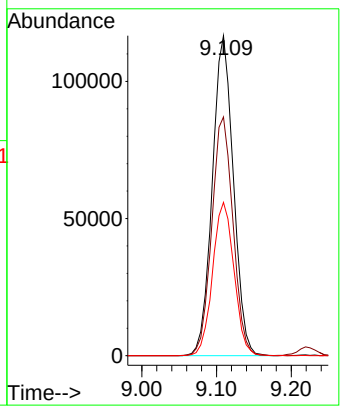


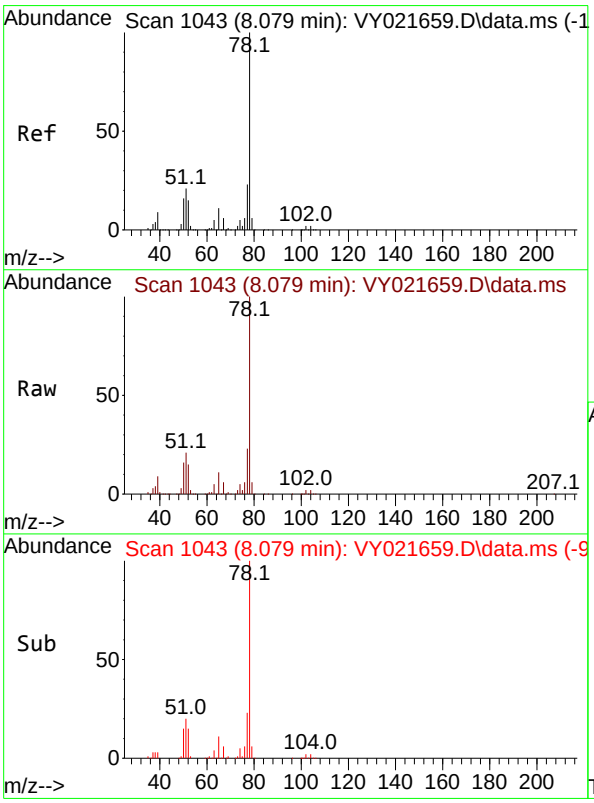
#39
Methylcyclohexane
Concen: 52.472 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 229134

Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.7	89.5
98	47.9	38.3	57.5

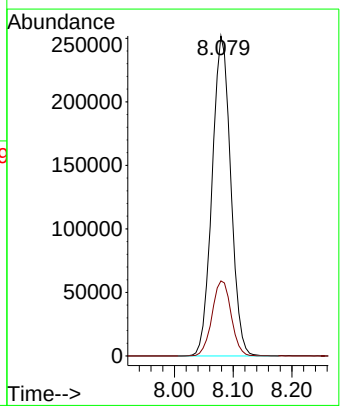


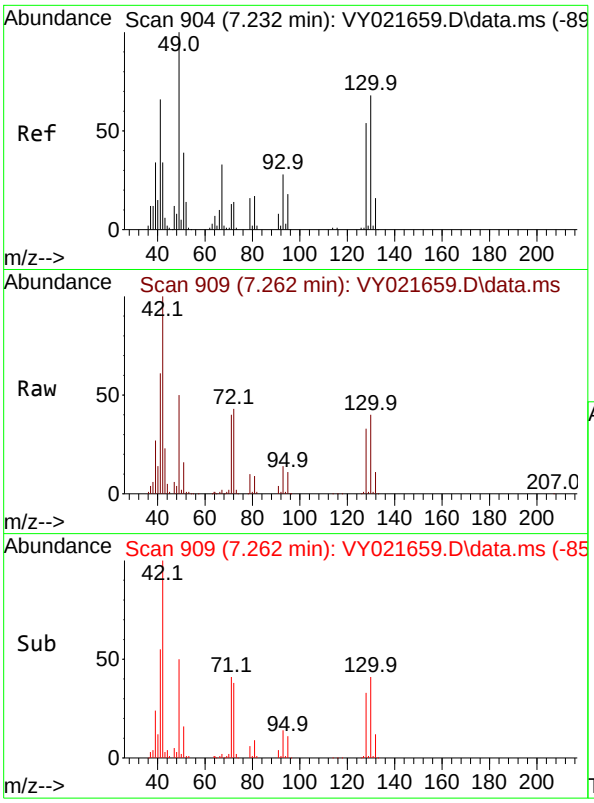


#40
Benzene
Concen: 50.649 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 78 Resp: 554462

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



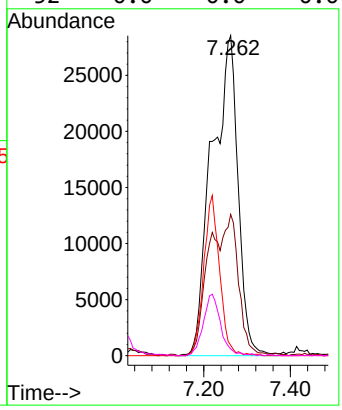


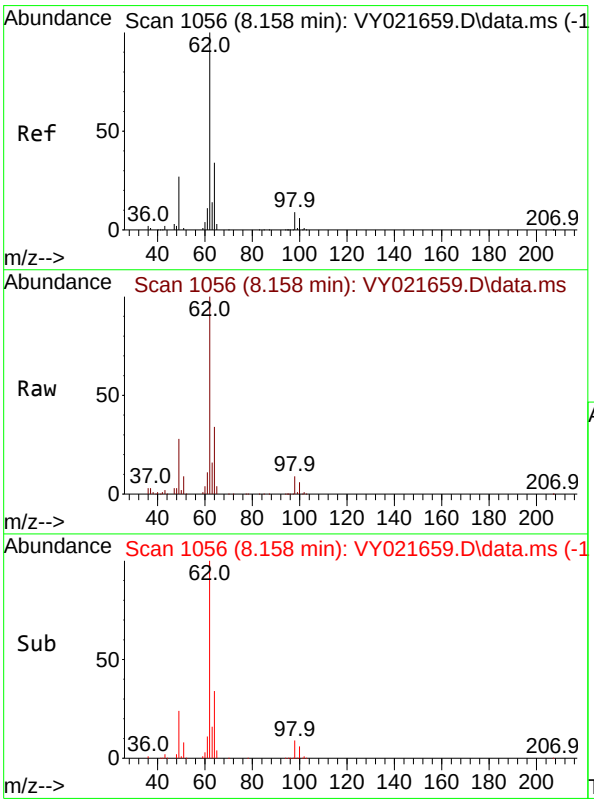
#41
Methacrylonitrile
Concen: 130.380 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.030 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 119440

Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

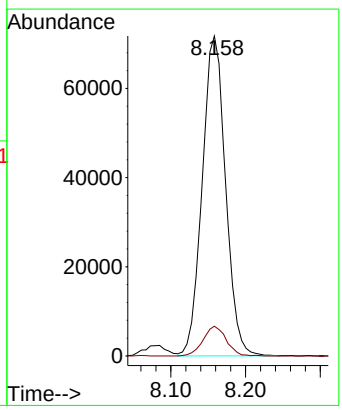


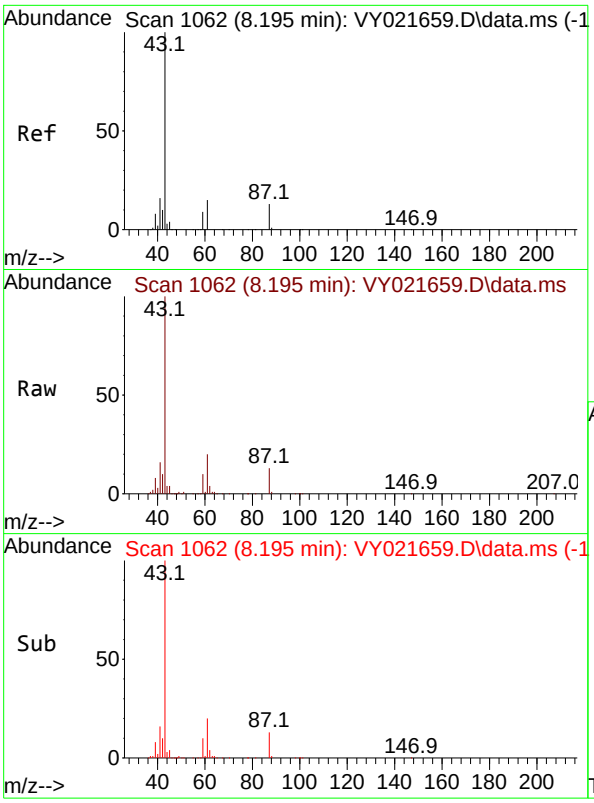


#42
1,2-Dichloroethane
Concen: 50.343 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 155365

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



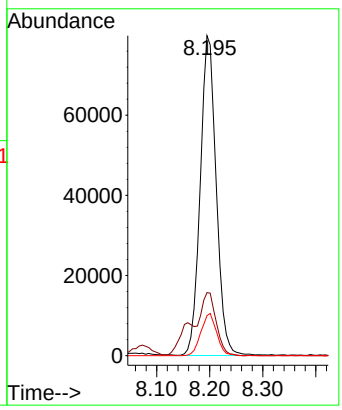


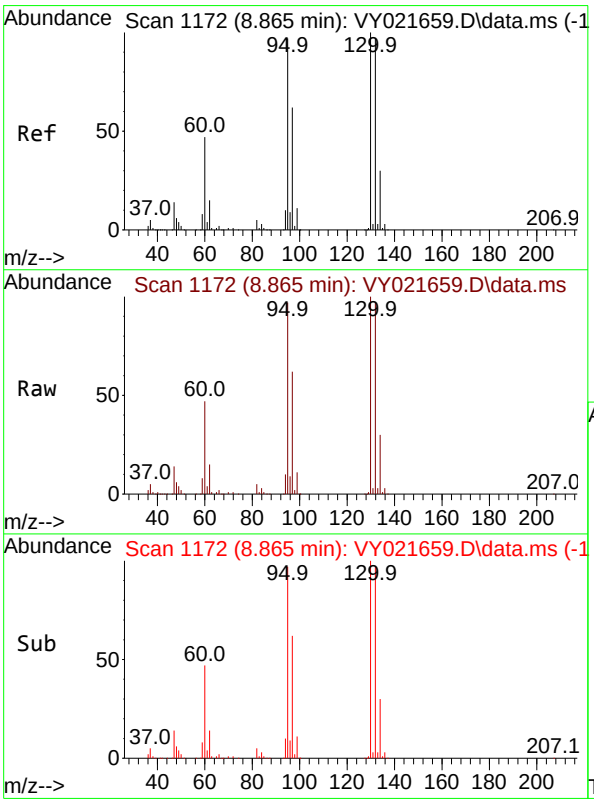
#43
Isopropyl Acetate
Concen: 51.076 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 166982

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.9	23.9
87	13.0	10.4	15.6

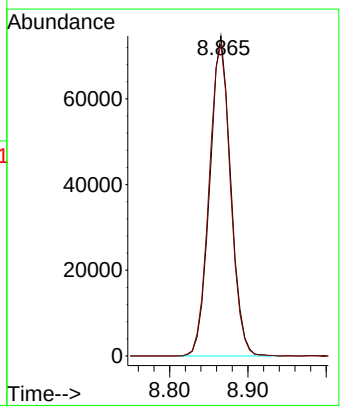


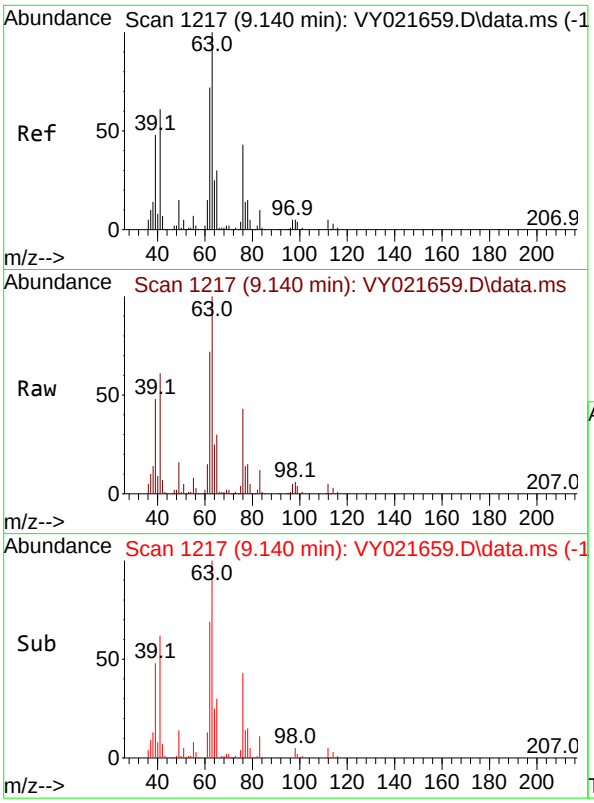


#44
Trichloroethene
Concen: 49.637 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:130 Resp: 138449

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	194.8



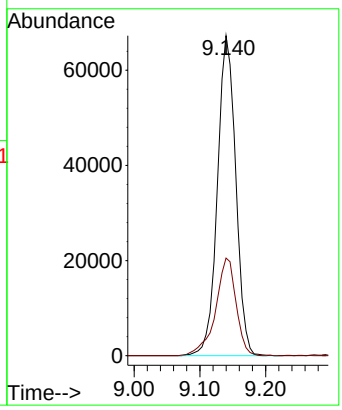


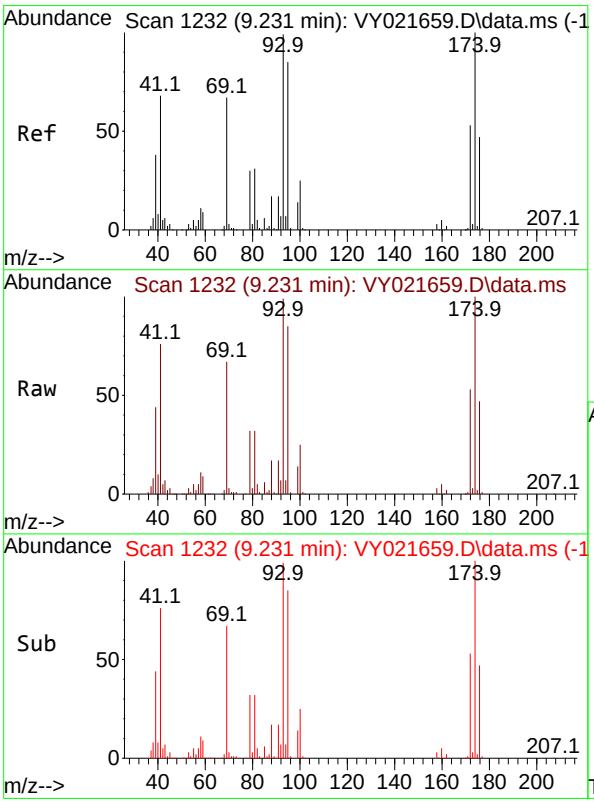
#45
1,2-Dichloropropane
Concen: 50.395 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 130586

Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6

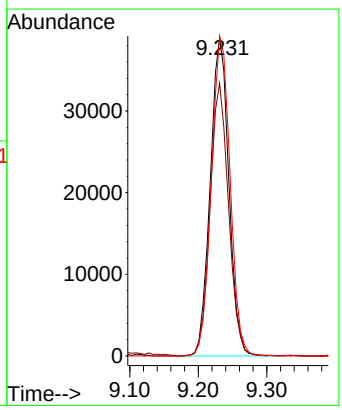


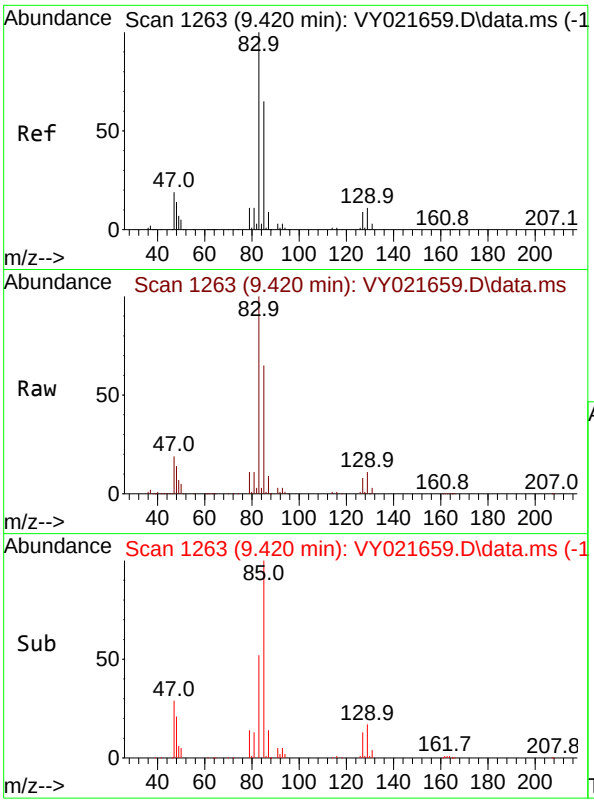


#46
Dibromomethane
Concen: 49.174 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 93 Resp: 73435

Ion	Ratio	Lower	Upper
93	100		
95	85.1	68.1	102.1
174	101.1	80.9	121.3



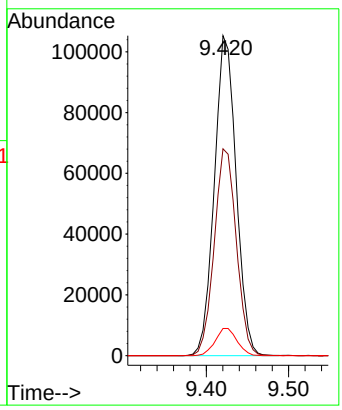


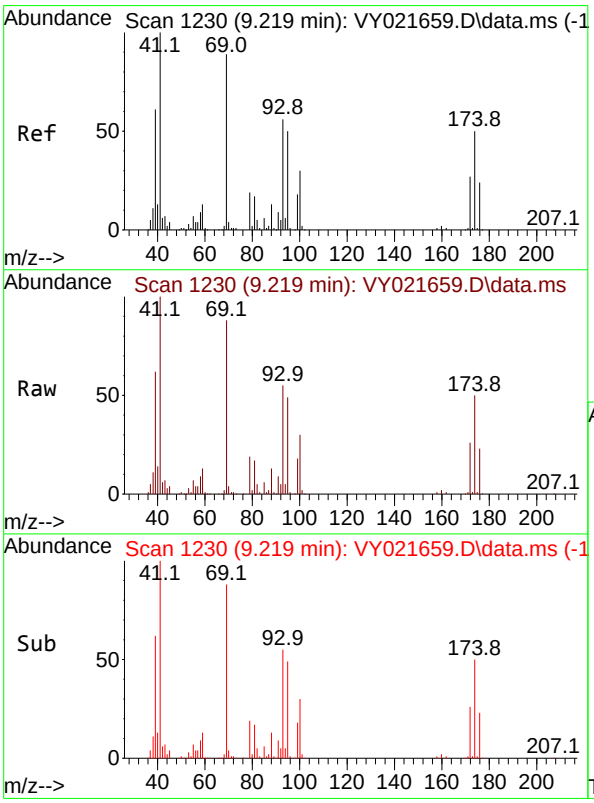
#47
Bromodichloromethane
Concen: 50.237 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 194399

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.5	6.8	10.2

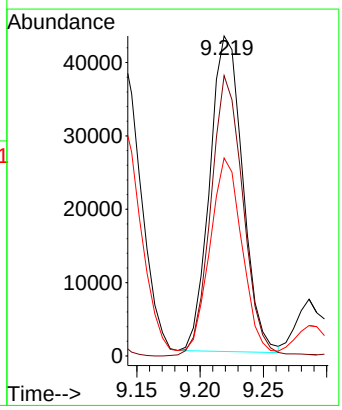


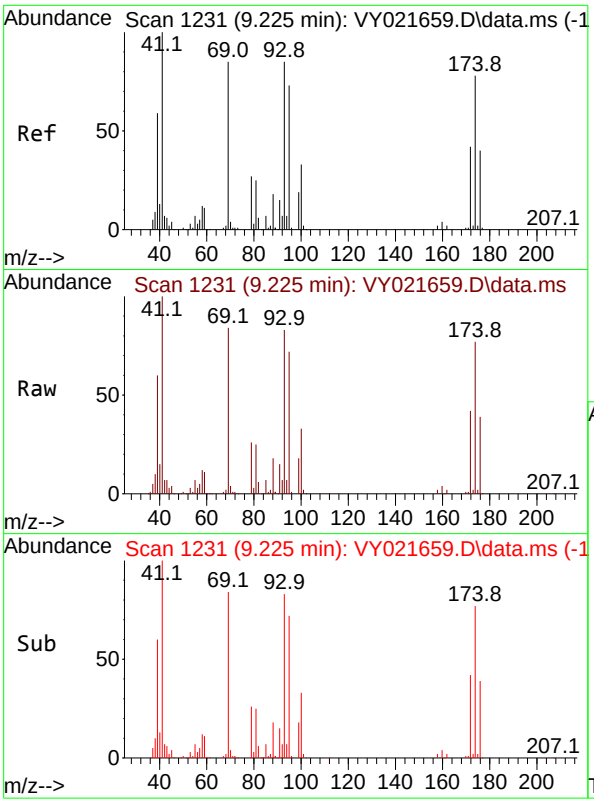


#48
Methyl methacrylate
Concen: 51.902 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 77877

Ion	Ratio	Lower	Upper
41	100		
69	87.3	69.8	104.8
39	59.0	47.2	70.8



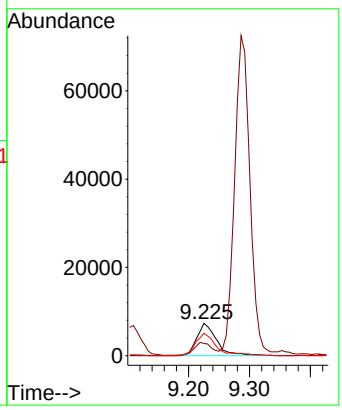


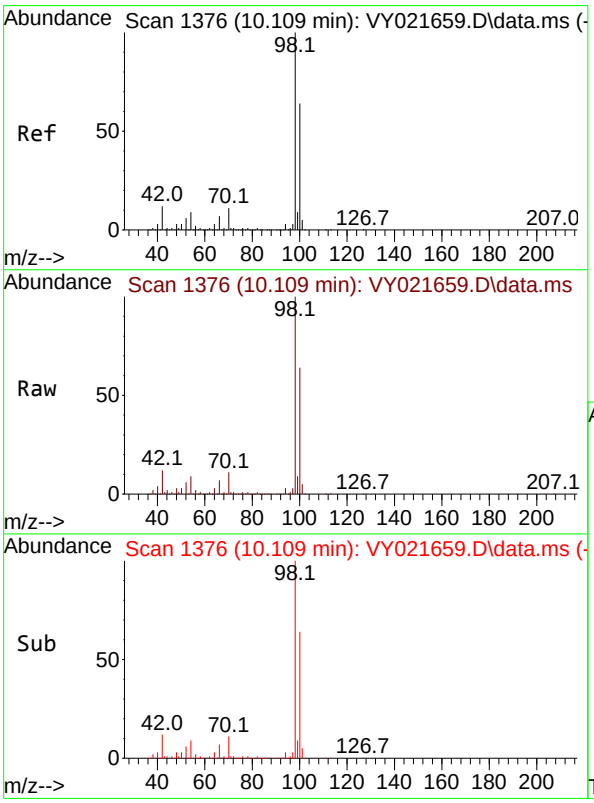
#49
1,4-Dioxane
Concen: 1030.192 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 16481

Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.8	43.2
58	74.3	59.4	89.2

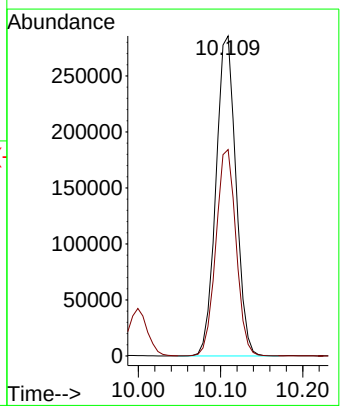


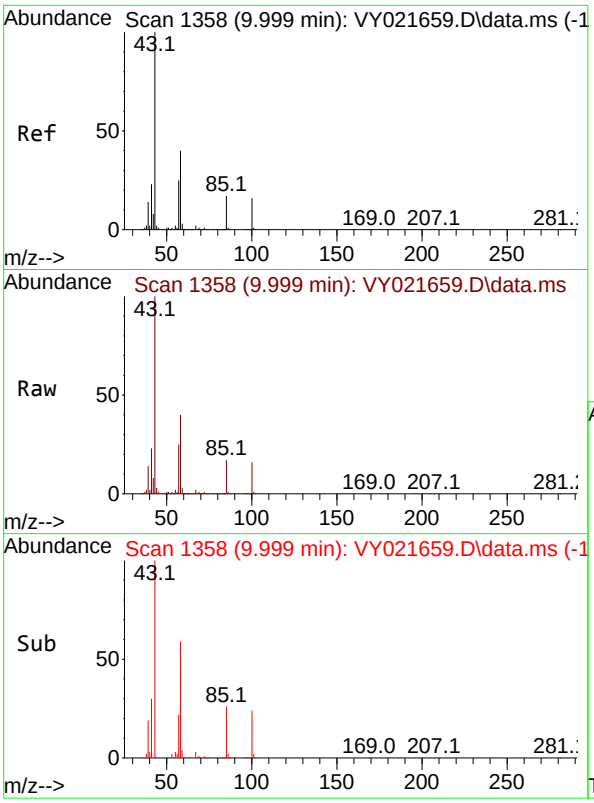


#50
Toluene-d8
Concen: 52.909 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 98 Resp: 483058

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



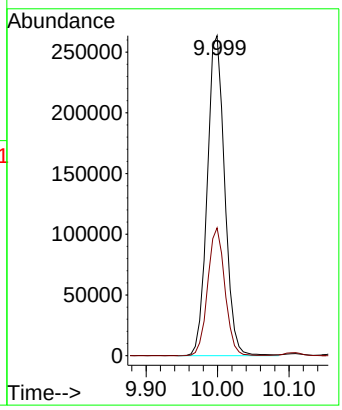


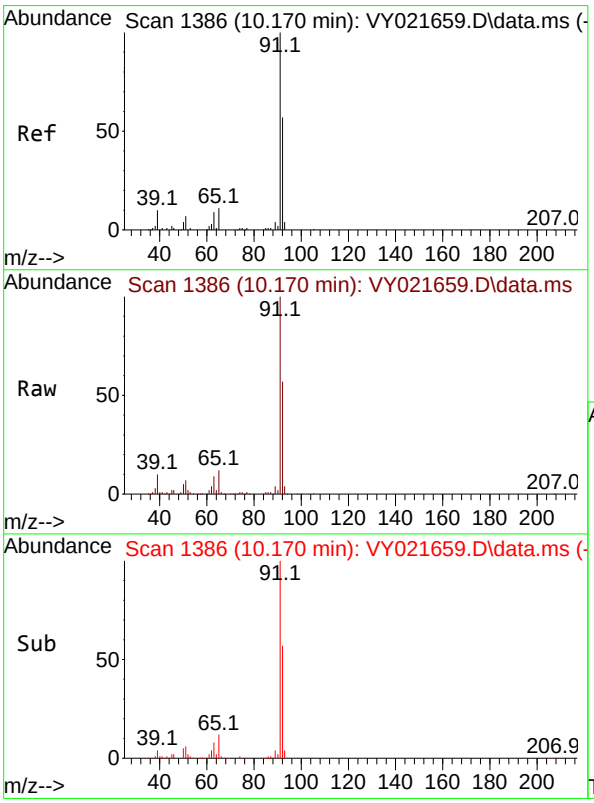
#51
4-Methyl-2-Pentanone
Concen: 261.893 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 445564

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3

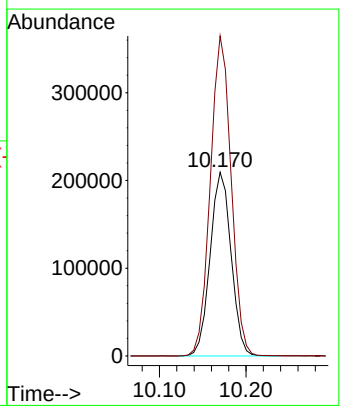


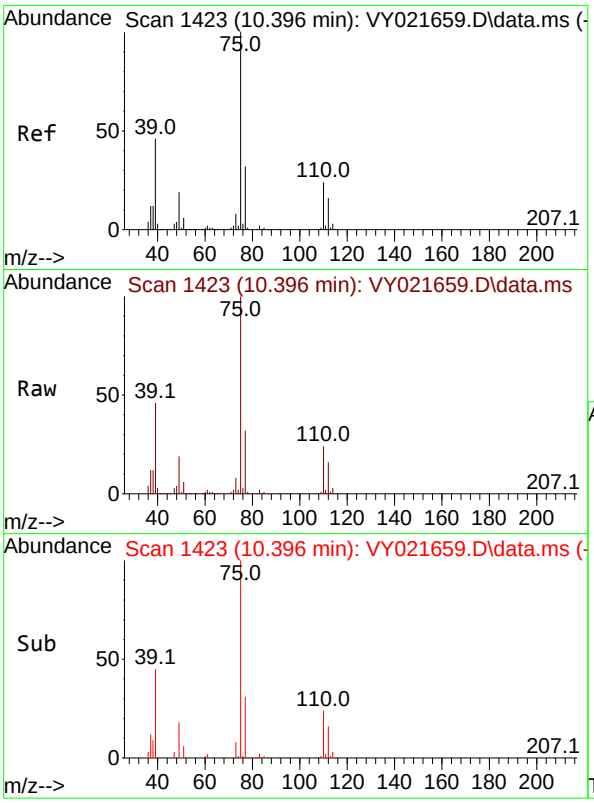


#52
Toluene
Concen: 51.496 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 92 Resp: 351715

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8



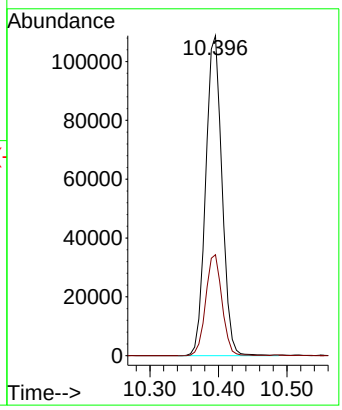


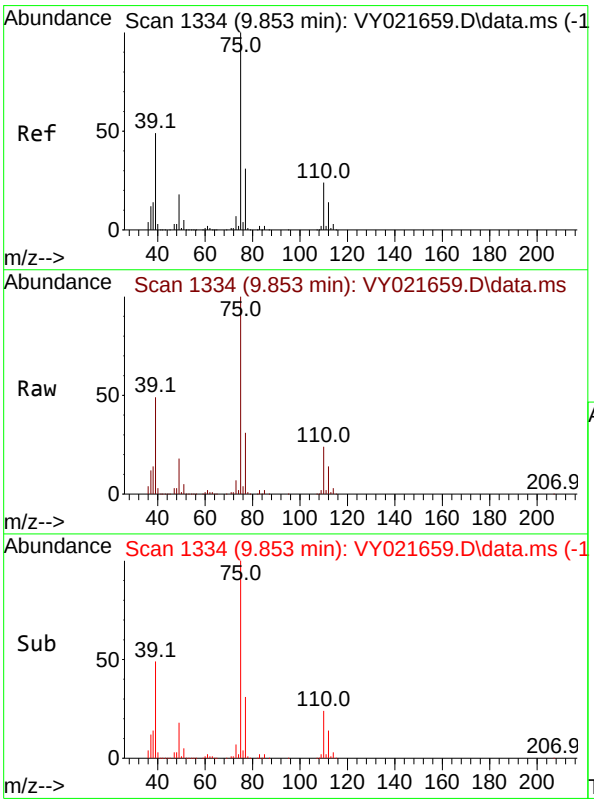
#53
t-1,3-Dichloropropene
Concen: 52.296 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 179747

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

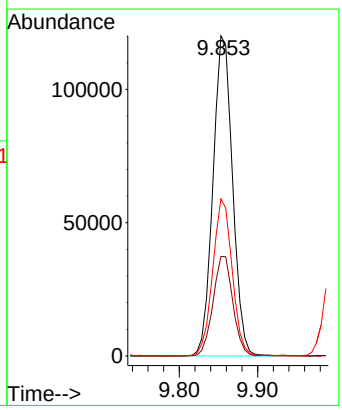


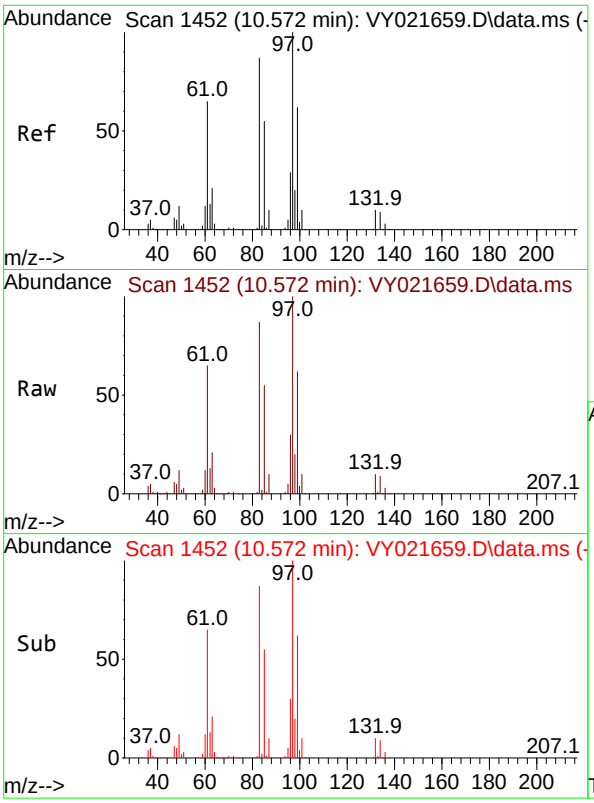


#54
cis-1,3-Dichloropropene
Concen: 51.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 209143

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	49.0	39.2	58.8



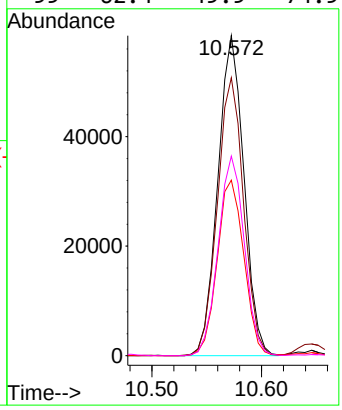


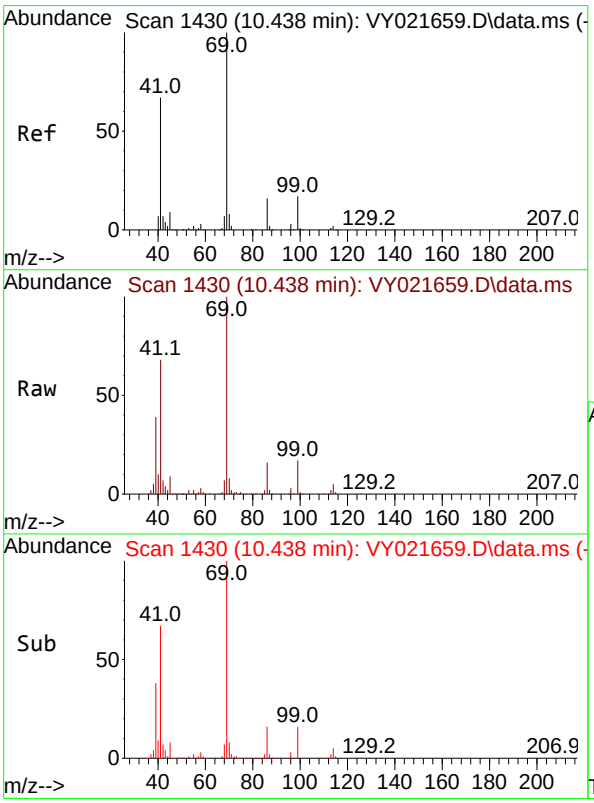
#55
1,1,2-Trichloroethane
Concen: 50.254 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 96578

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	54.9	43.9	65.9
99	62.4	49.9	74.9

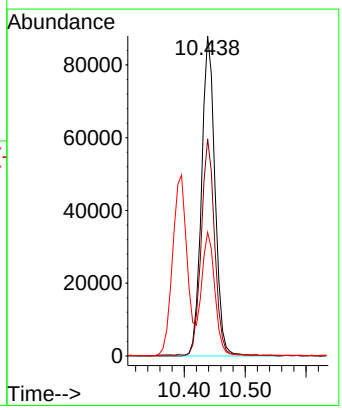


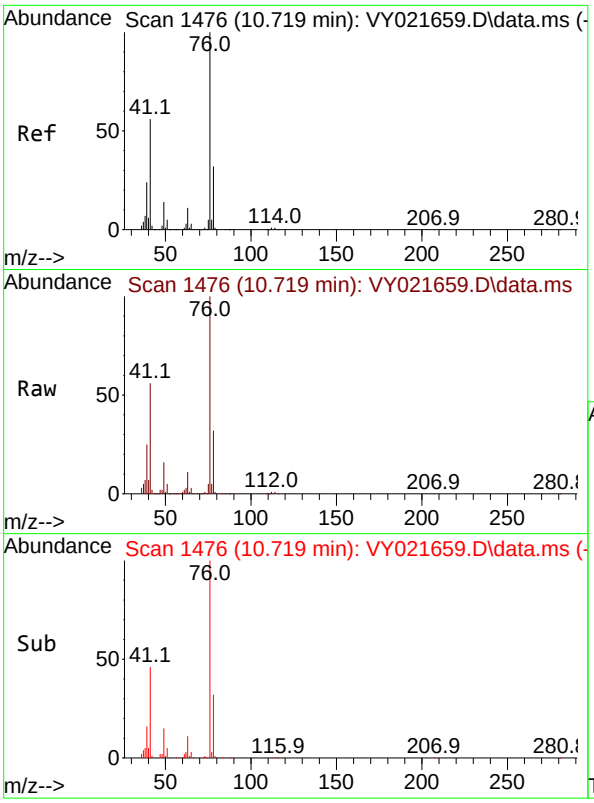


#56
Ethyl methacrylate
Concen: 55.124 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 69 Resp: 135272

Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.8	80.6
39	37.0	29.6	44.4



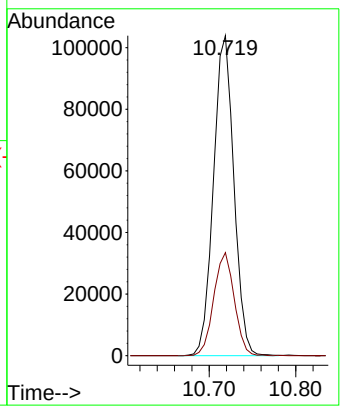


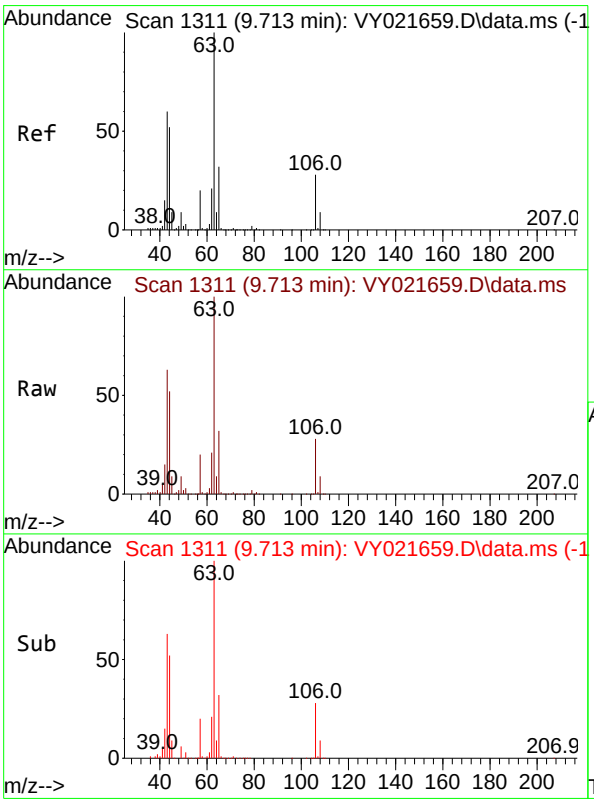
#57
1,3-Dichloropropane
Concen: 51.252 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 170109

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

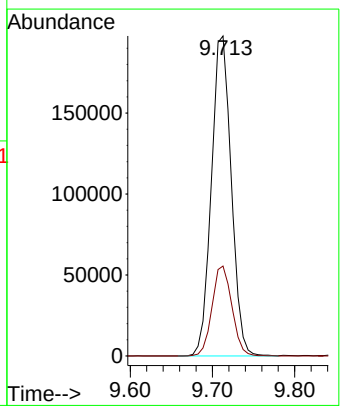


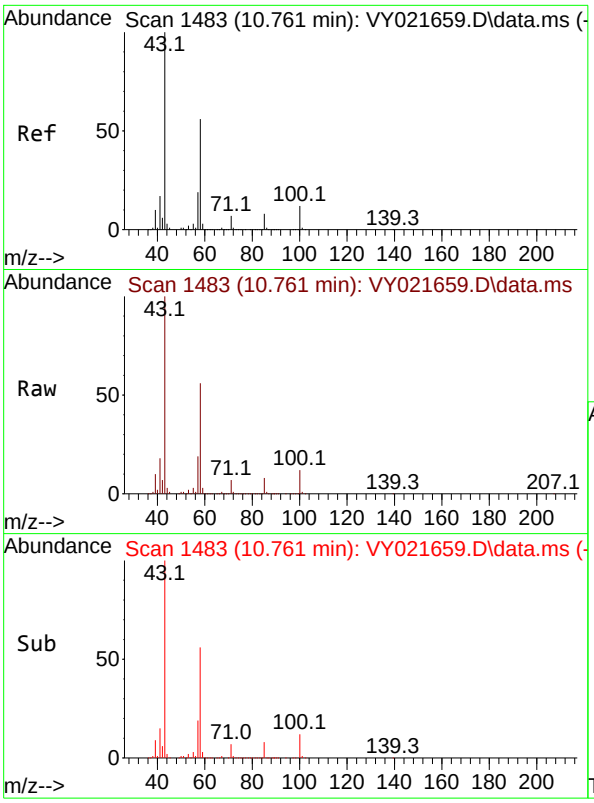


#58
2-Chloroethyl Vinyl ether
Concen: 277.643 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 332369

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6



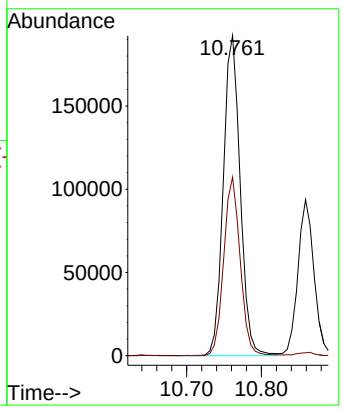


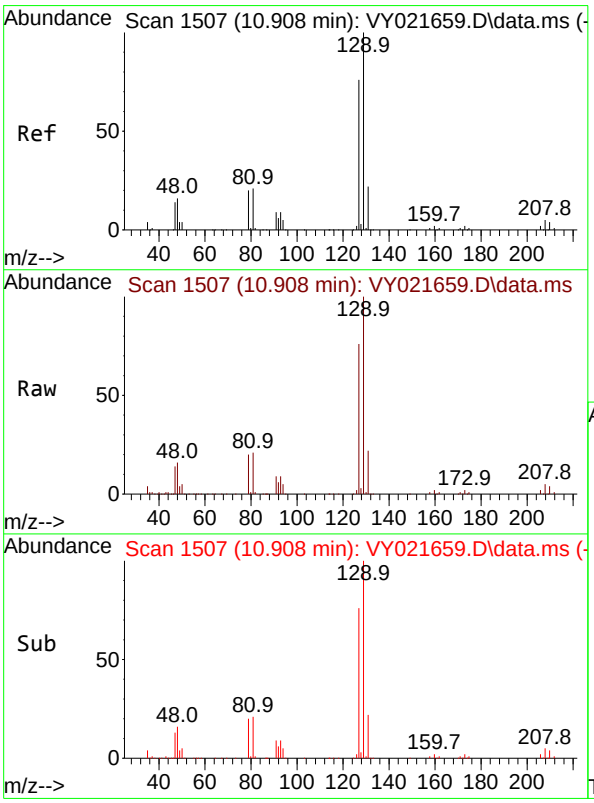
#59
2-Hexanone
Concen: 267.012 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 302538

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.2	81.5

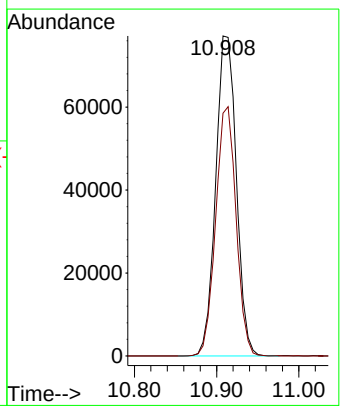


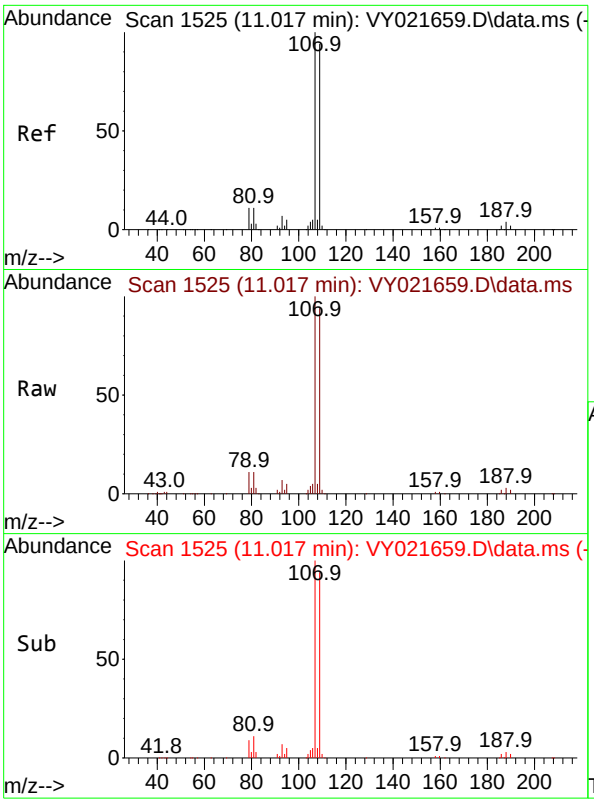


#60
Dibromochloromethane
Concen: 51.334 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:129 Resp: 134696

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7



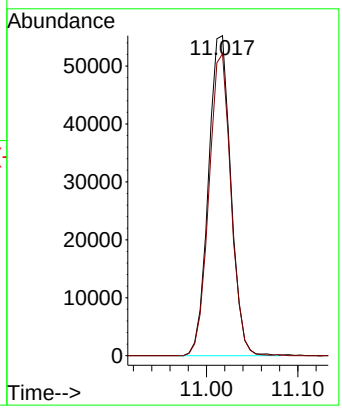


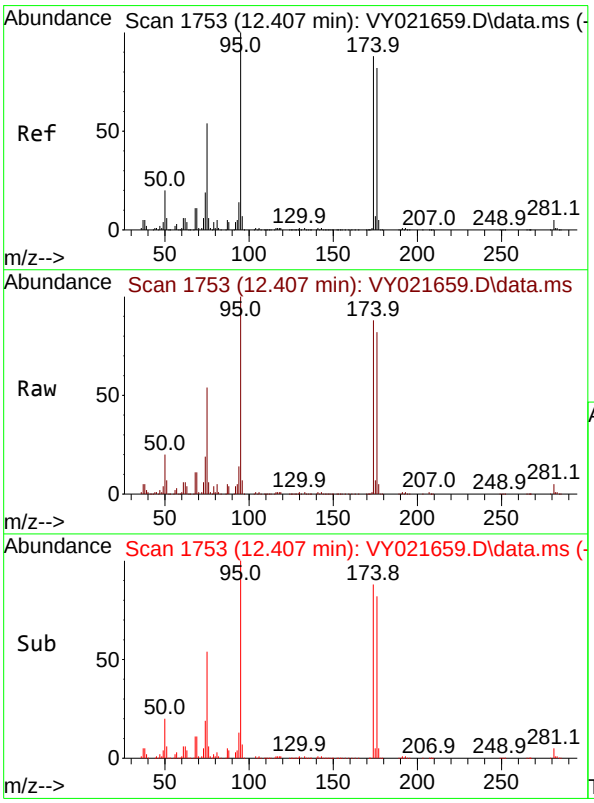
#61
1,2-Dibromoethane
Concen: 52.067 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 93866

Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.4	111.6

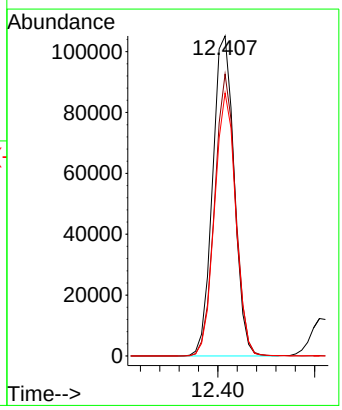


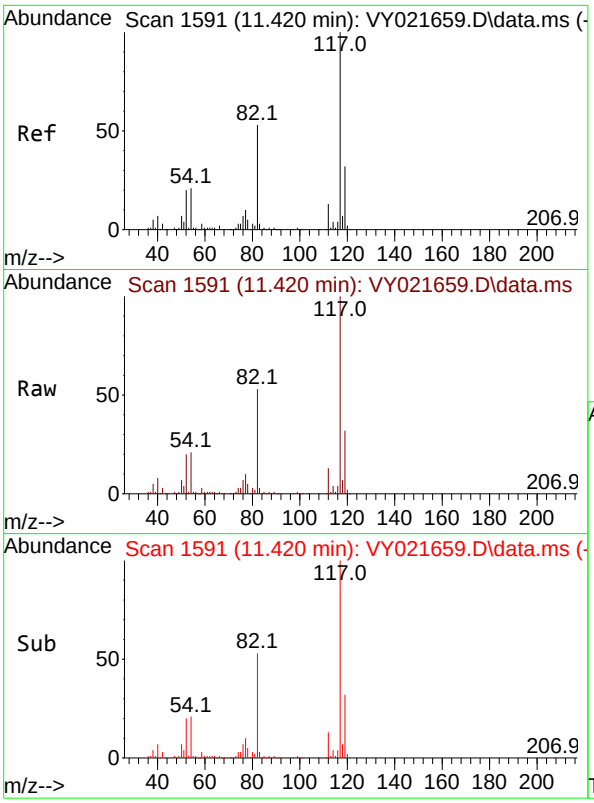


#62
4-Bromofluorobenzene
Concen: 52.583 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 95 Resp: 162384

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	170.8
176	81.0	0.0	162.0



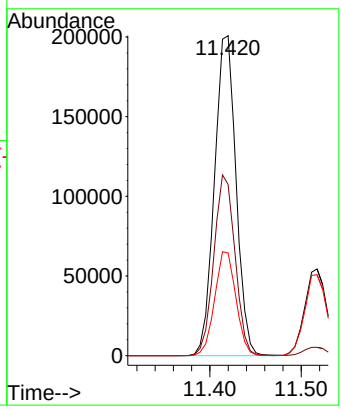


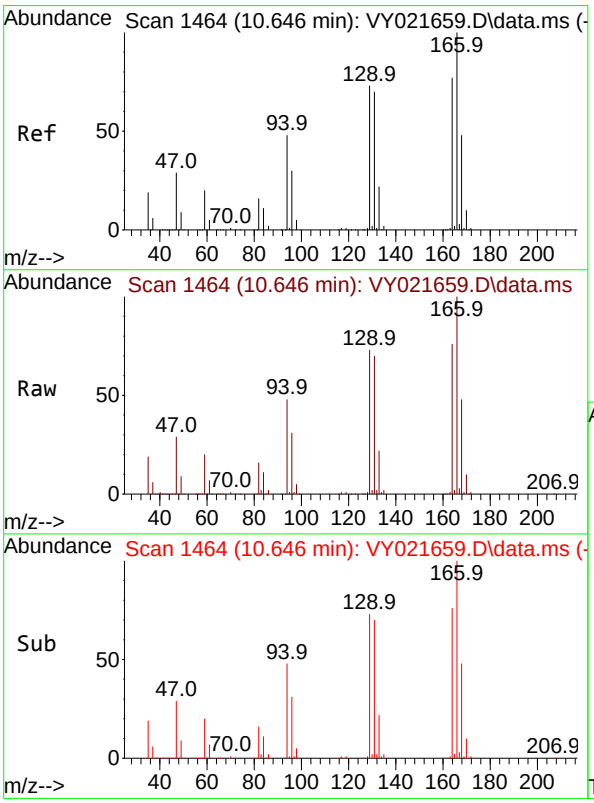
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 329626

Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.8	64.2
119	32.1	25.7	38.5

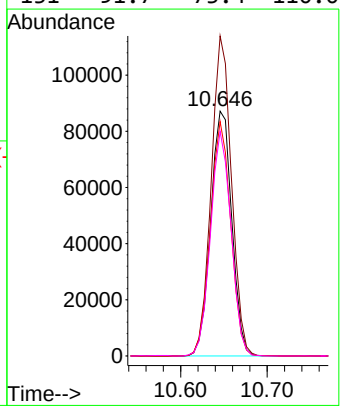


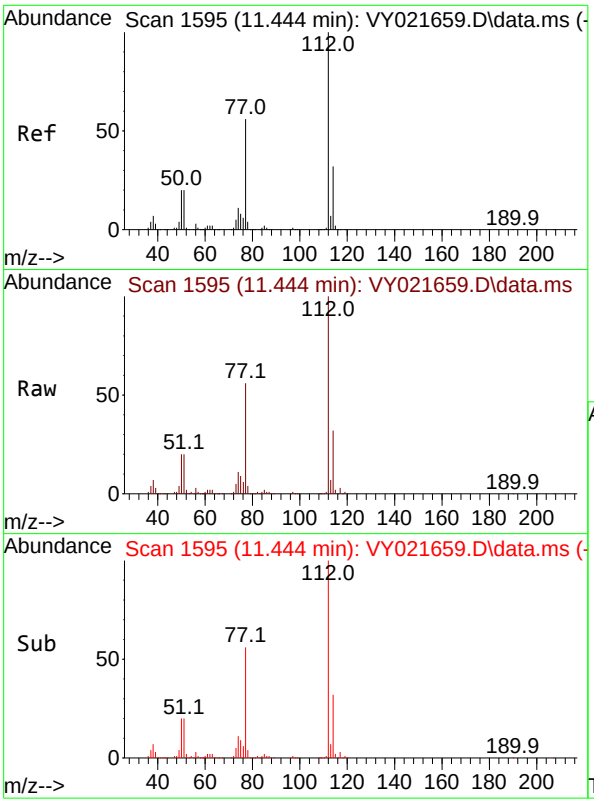


#64
Tetrachloroethene
Concen: 49.288 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:164 Resp: 147971

Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.6	156.8
129	95.7	76.6	114.8
131	91.7	73.4	110.0



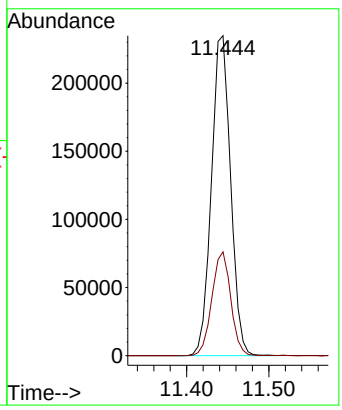


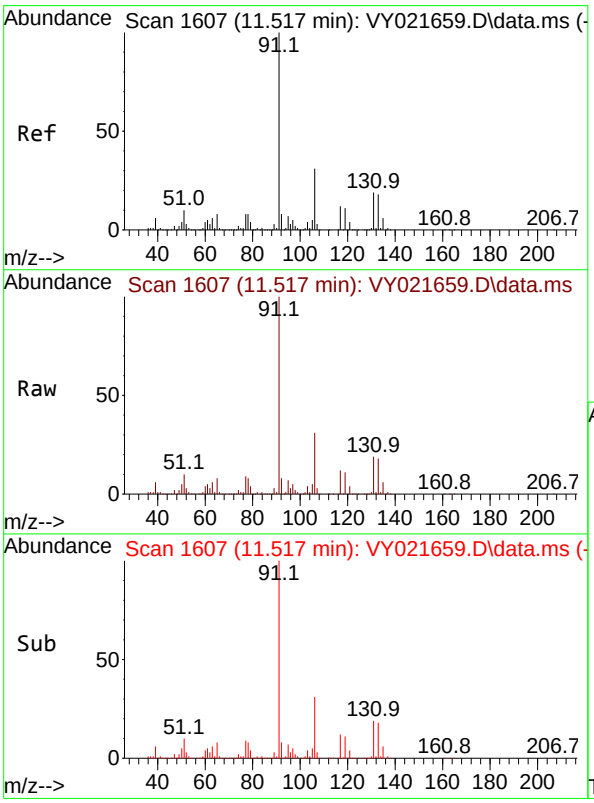
#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 380661

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9

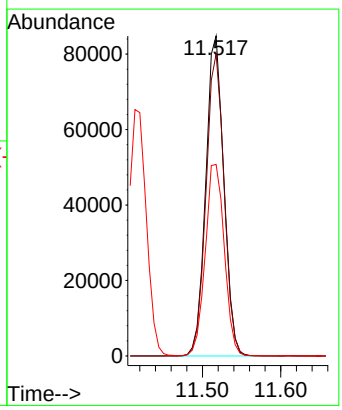


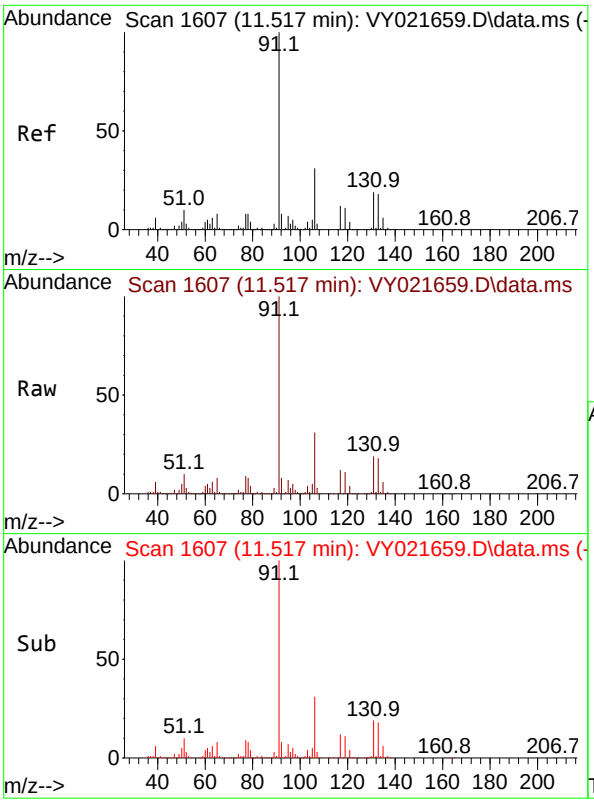


#66
1,1,1,2-Tetrachloroethane
Concen: 50.602 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:131 Resp: 135660

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	63.3	31.6	95.0



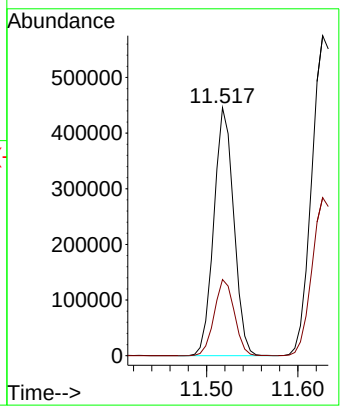


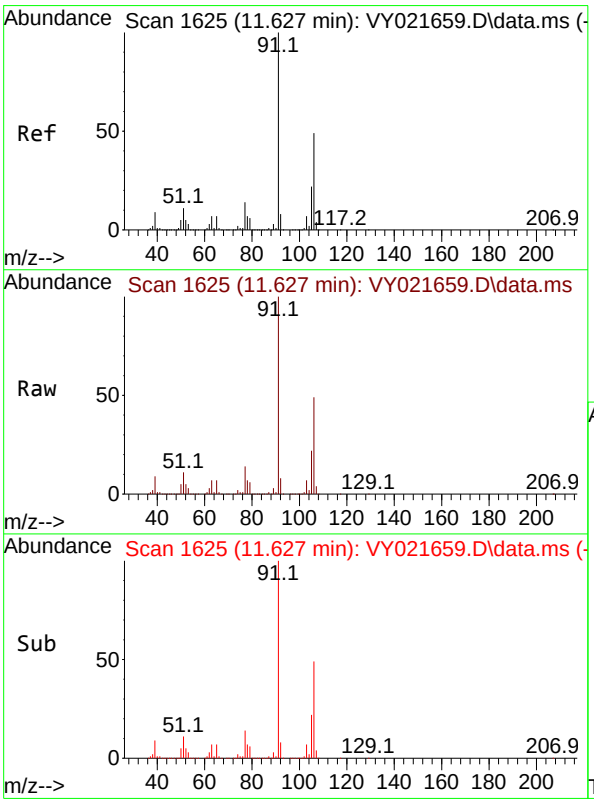
#67
Ethyl Benzene
Concen: 52.188 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 676205

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8

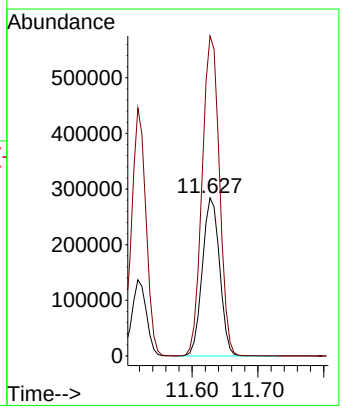


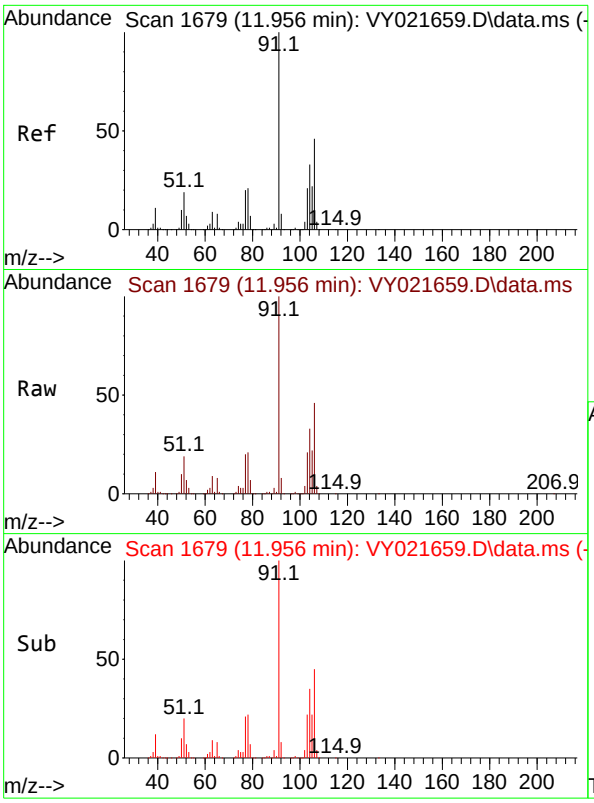


#68
m/p-Xylenes
Concen: 104.634 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:106 Resp: 519154

Ion	Ratio	Lower	Upper
106	100		
91	203.0	162.4	243.6



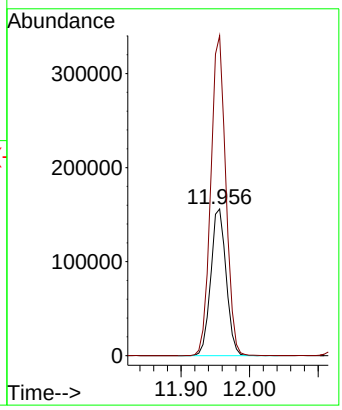


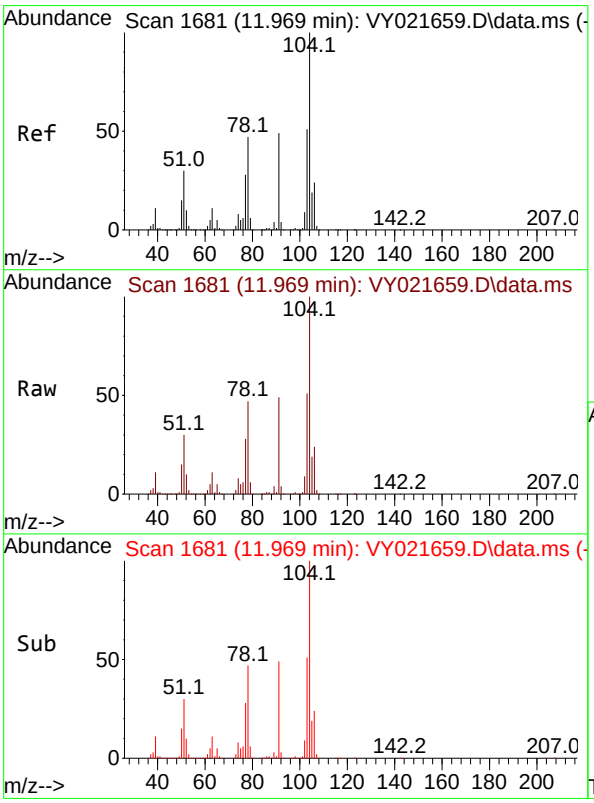
#69
o-Xylene
Concen: 53.135 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 243359

Ion	Ratio	Lower	Upper
106	100		
91	213.3	106.7	319.9

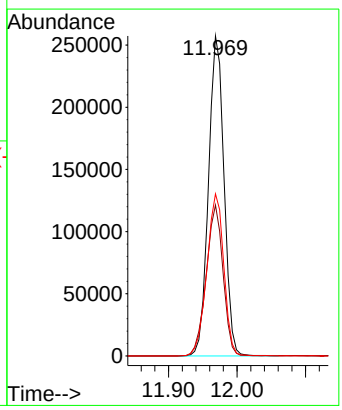


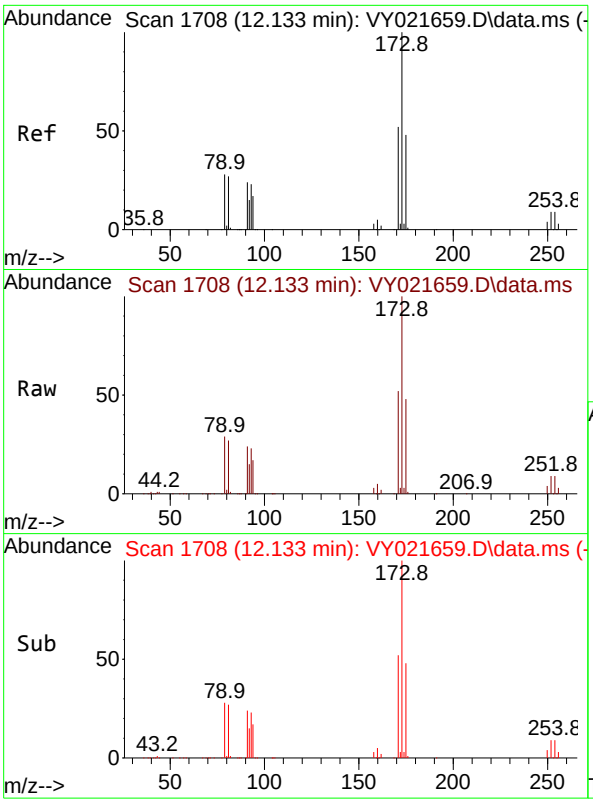


#70
Styrene
Concen: 53.195 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:104 Resp: 406215

Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.8	61.2
103	55.2	44.2	66.2



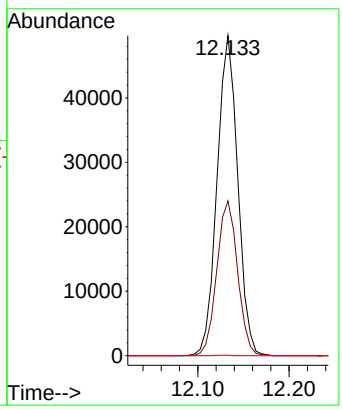


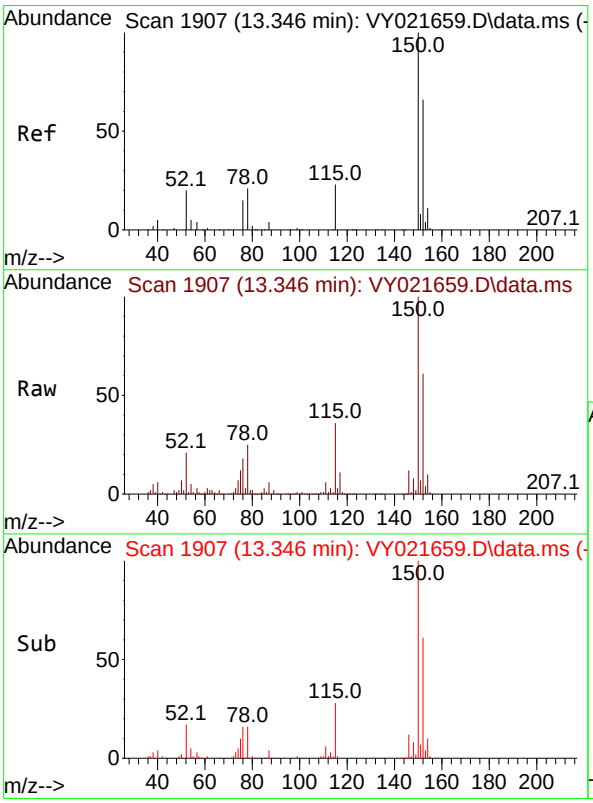
#71
Bromoform
Concen: 51.140 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 78206

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

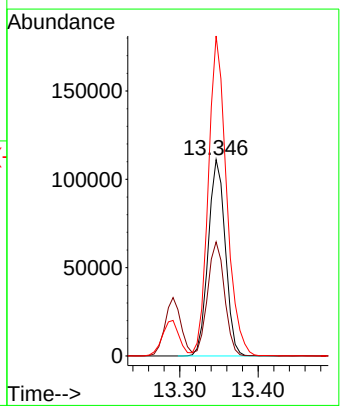


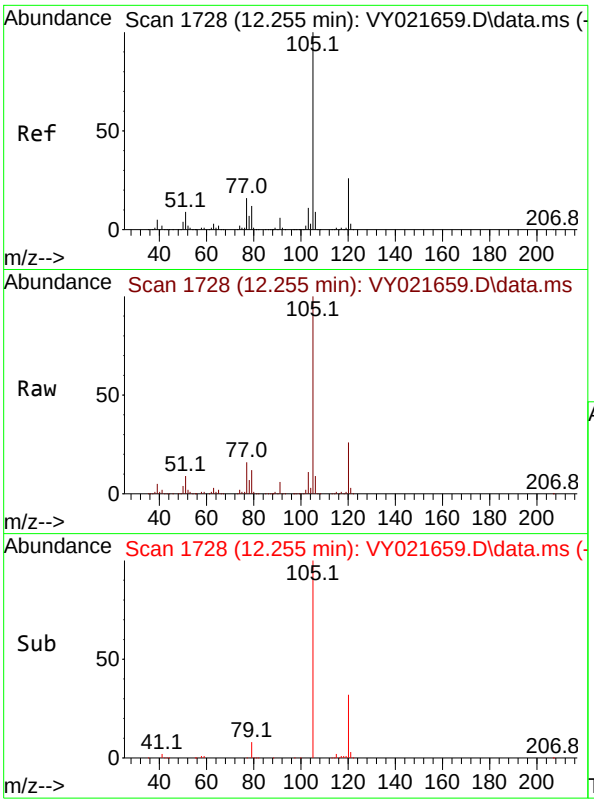


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:152 Resp: 167924

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	174.2	0.0	348.4



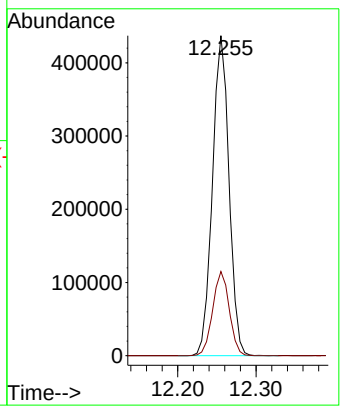


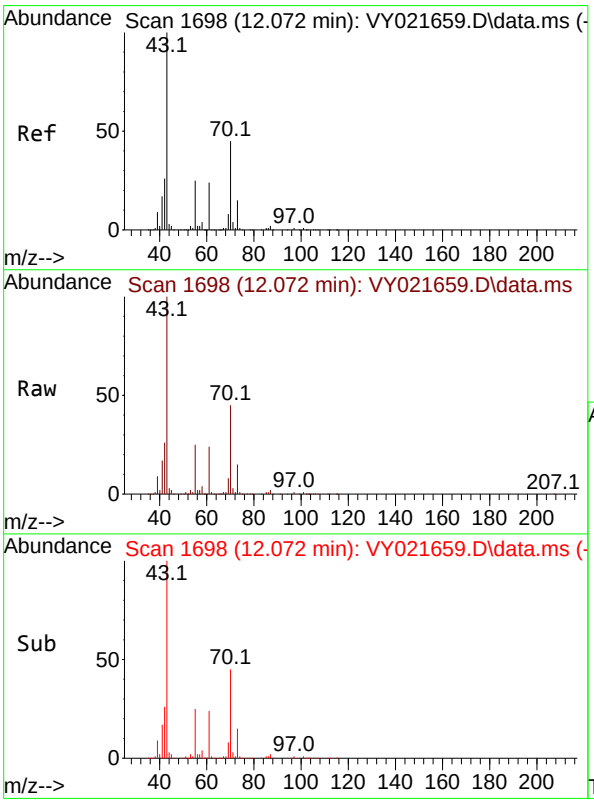
#73
Isopropylbenzene
Concen: 51.505 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 642393

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

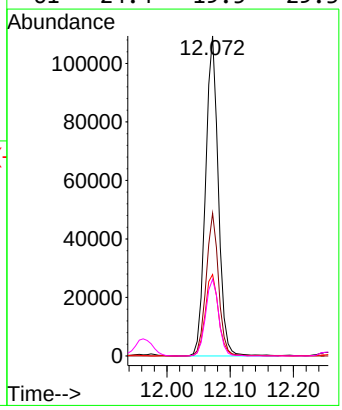


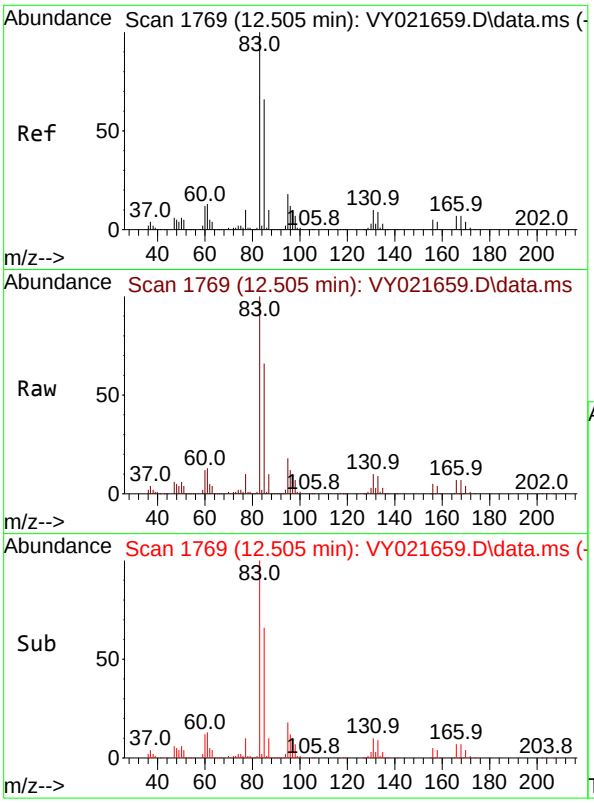


#74
N-amyl acetate
Concen: 52.630 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 154054

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.7	52.1
55	26.5	21.2	31.8
61	24.4	19.5	29.3



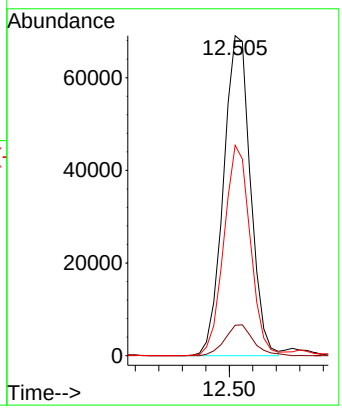


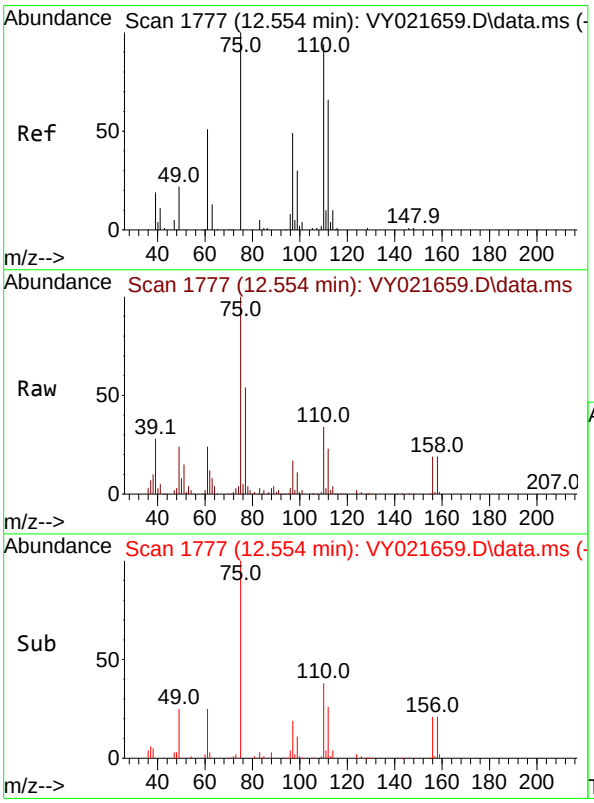
#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 110292

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.5	32.3	96.8

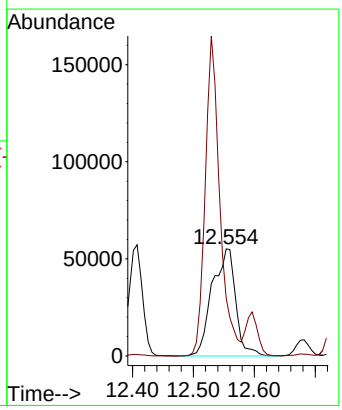


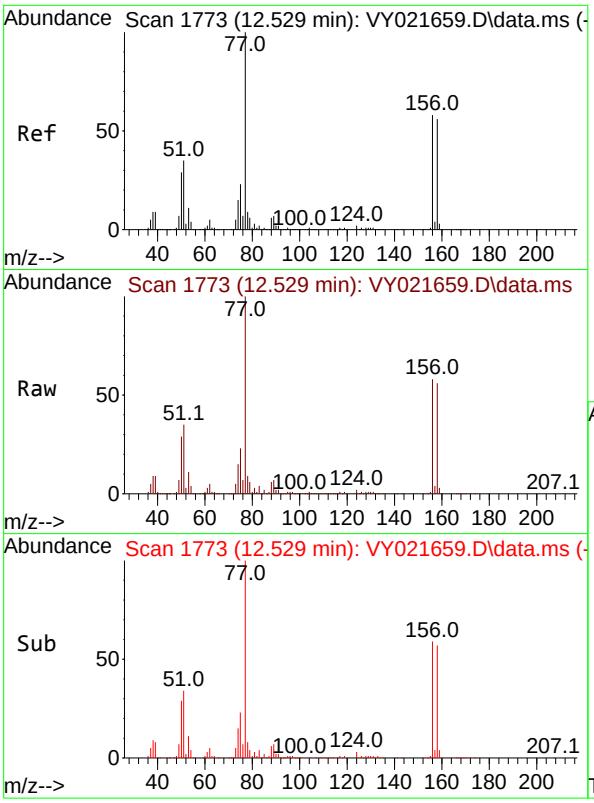


#76
1,2,3-Trichloropropane
Concen: 88.688 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 147626

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



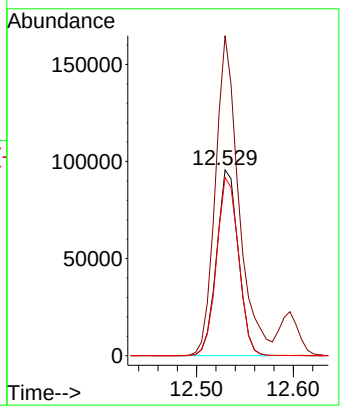


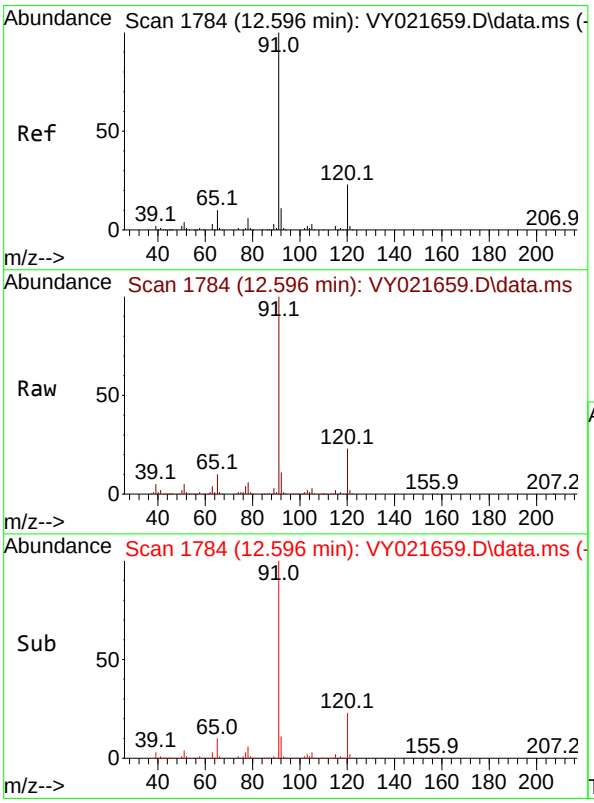
#77
Bromobenzene
Concen: 49.864 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 149323

Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.8	278.3
158	97.1	48.5	145.6

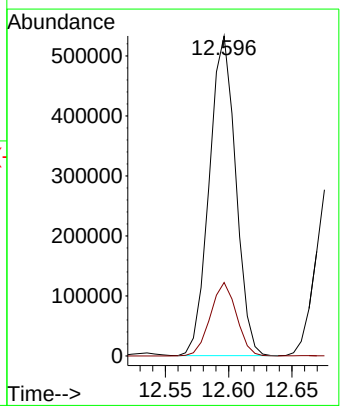


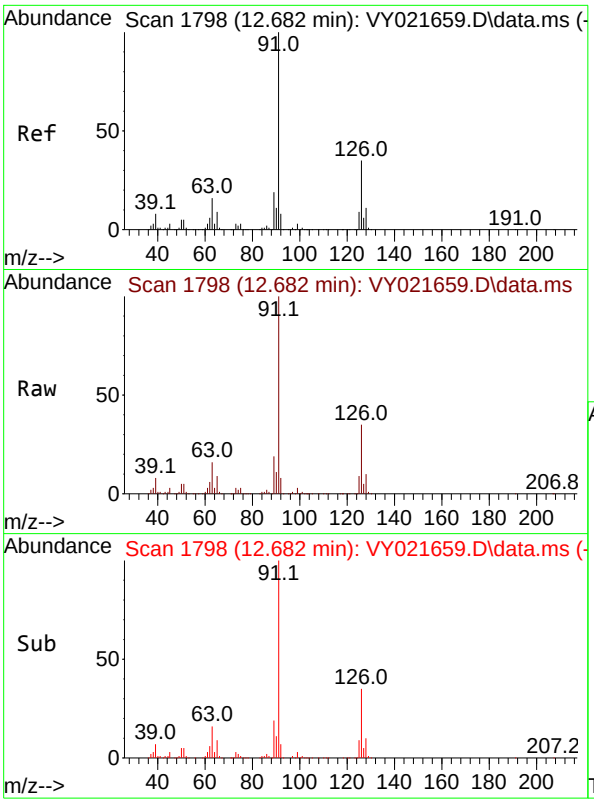


#78
n-propylbenzene
Concen: 51.702 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 775252

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9



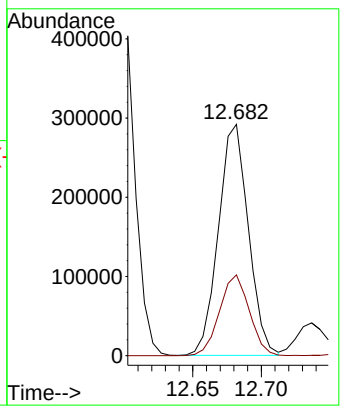


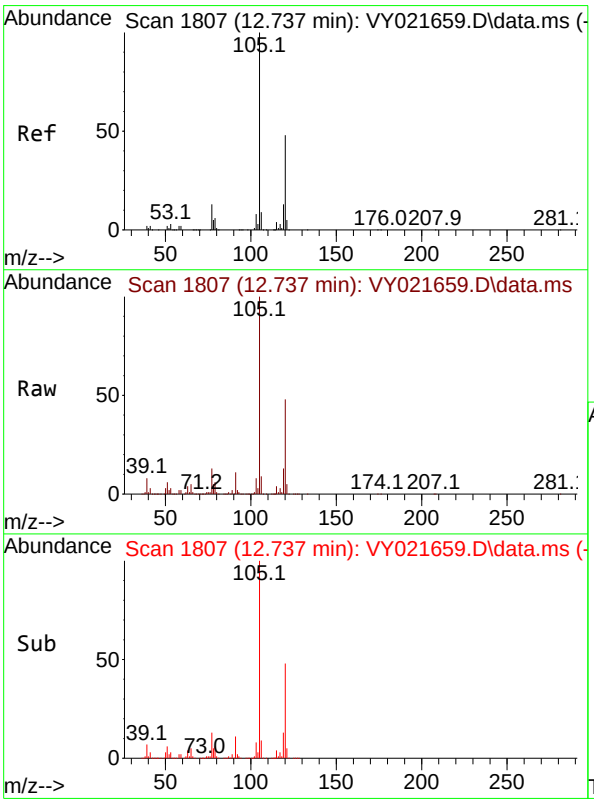
#79
2-Chlorotoluene
Concen: 51.001 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 444178

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0

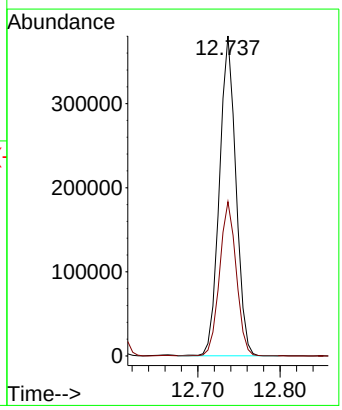


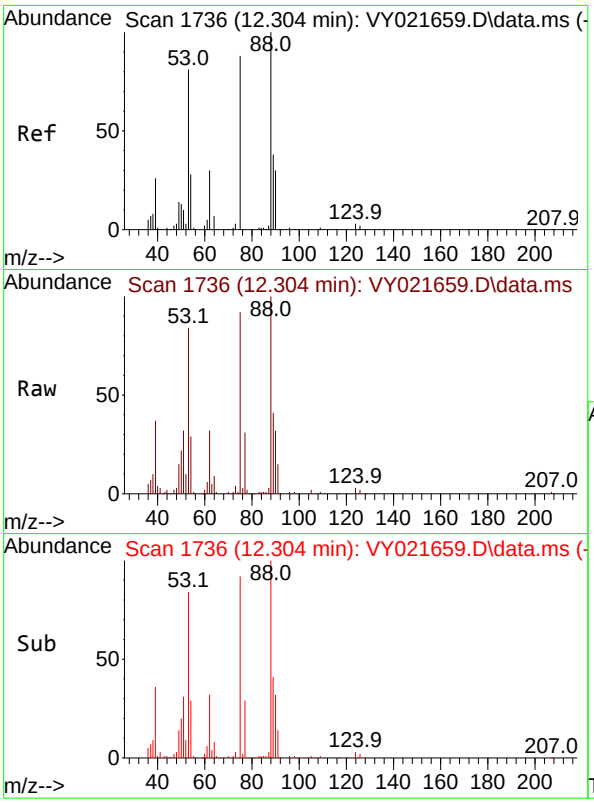


#80
1,3,5-Trimethylbenzene
Concen: 51.839 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:105 Resp: 528425

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.5	73.5



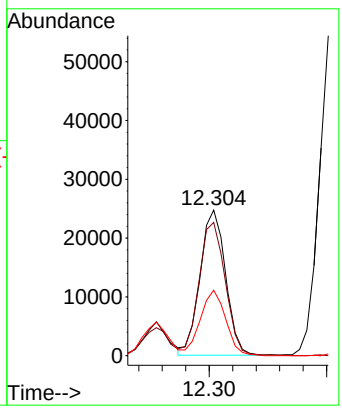


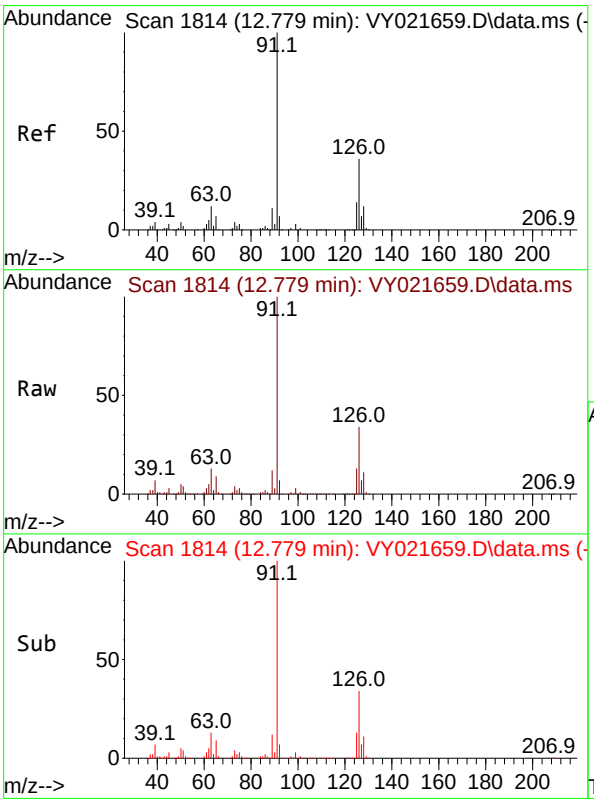
#81
trans-1,4-Dichloro-2-butene
Concen: 51.550 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 37240

Ion	Ratio	Lower	Upper
75	100		
53	95.1	76.1	114.1
89	45.3	36.2	54.4

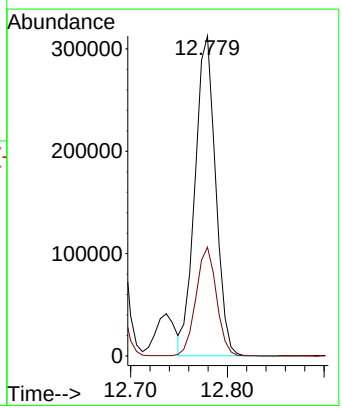


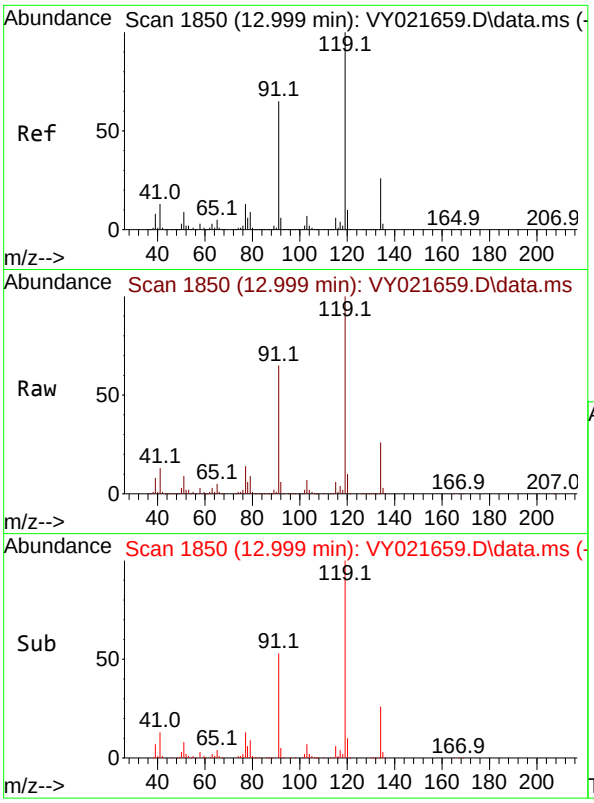


#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 463024

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9



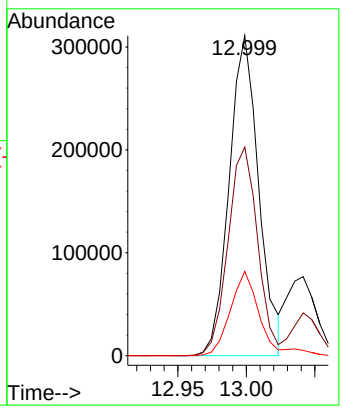


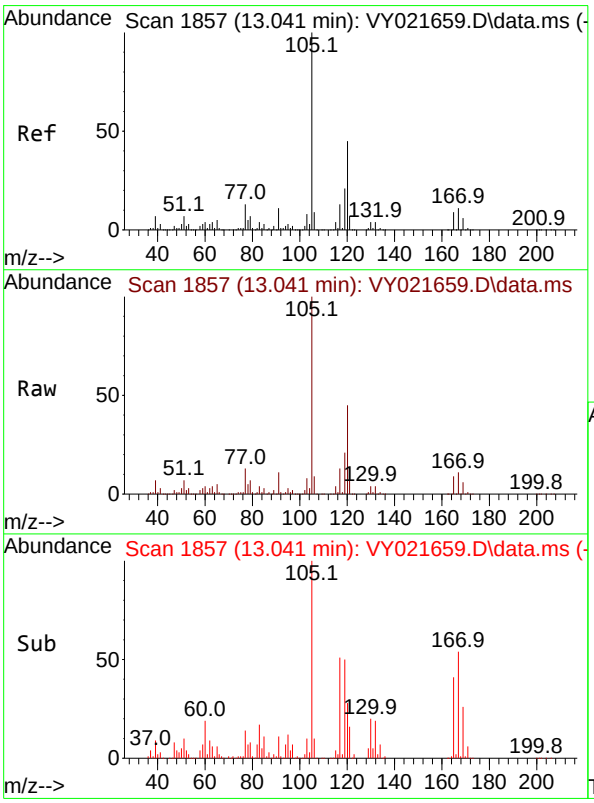
#83
tert-Butylbenzene
Concen: 51.541 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 467961

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.4	13.2	39.6

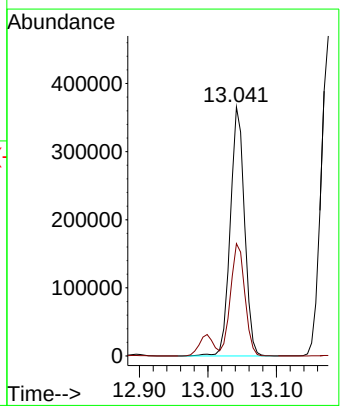


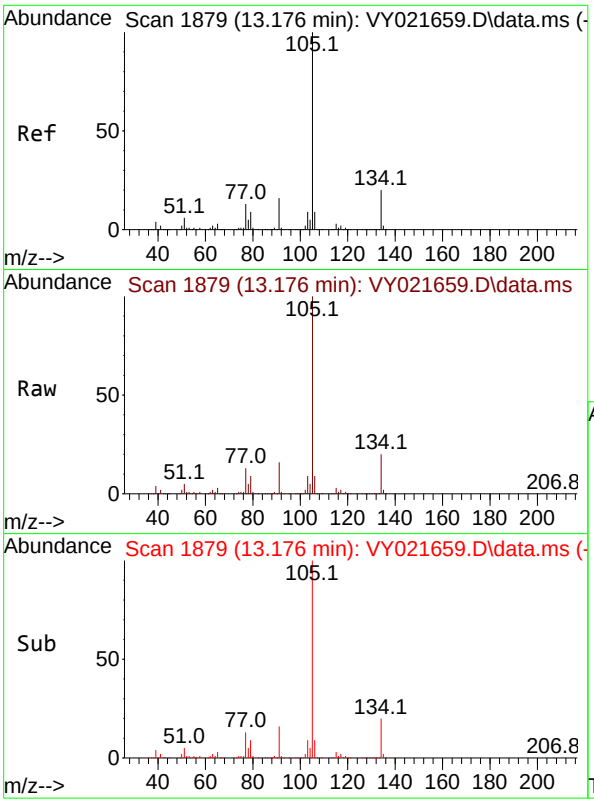


#84
1,2,4-Trimethylbenzene
Concen: 52.248 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:105 Resp: 526387

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1



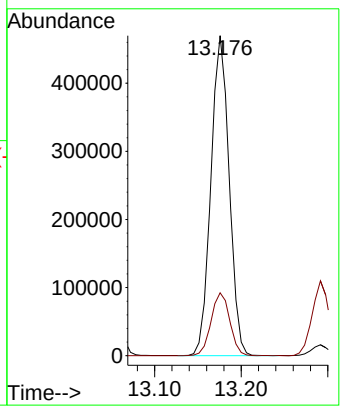


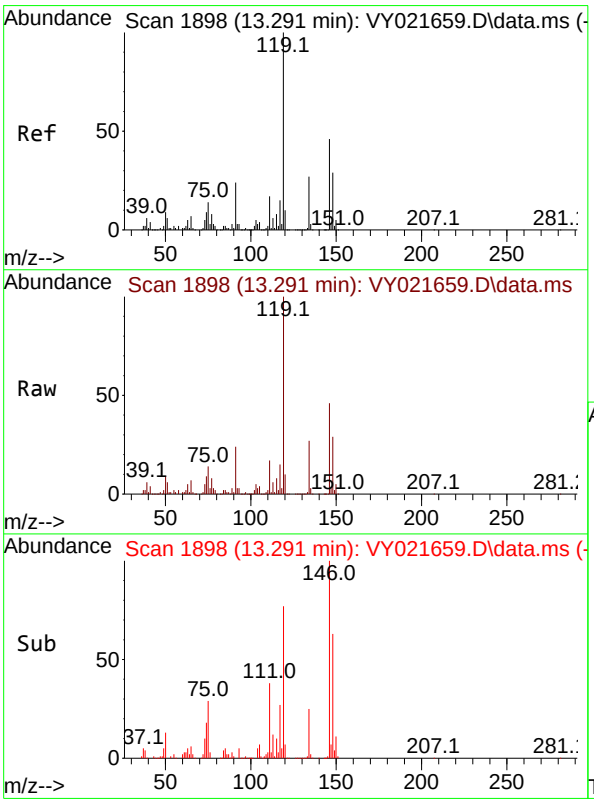
#85
sec-Butylbenzene
Concen: 51.820 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 687573

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

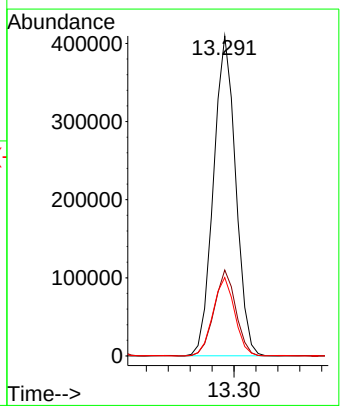


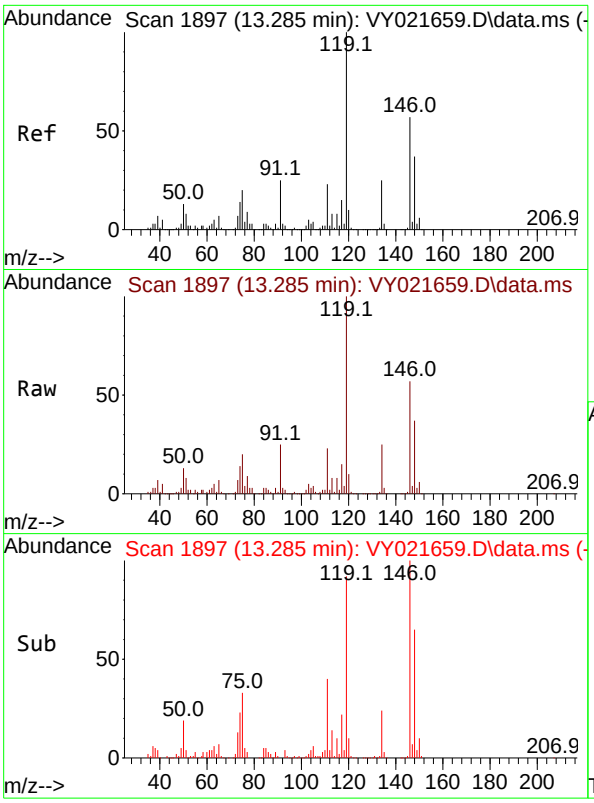


#86
p-Isopropyltoluene
Concen: 52.525 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:119 Resp: 576012

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	24.0	12.0	36.0



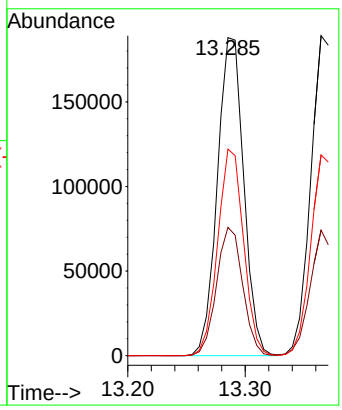


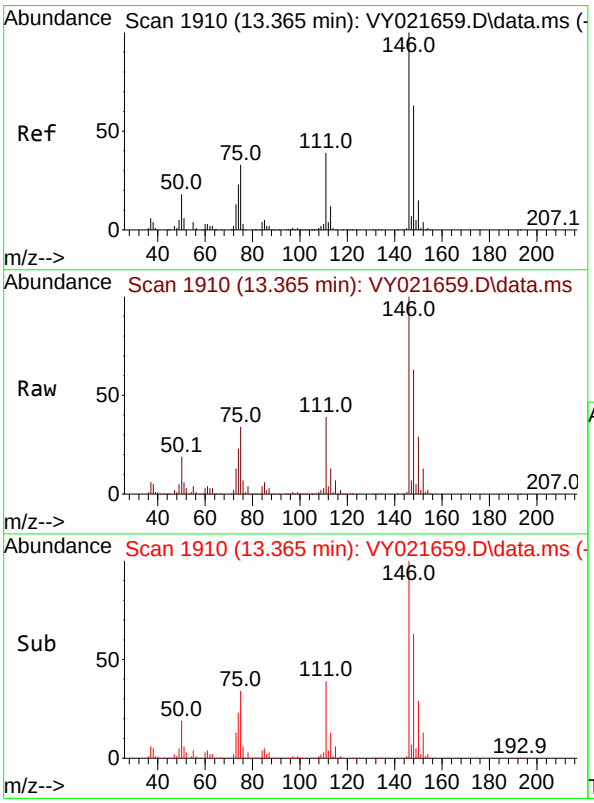
#87
1,3-Dichlorobenzene
Concen: 49.752 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 293534

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.6	31.8	95.4

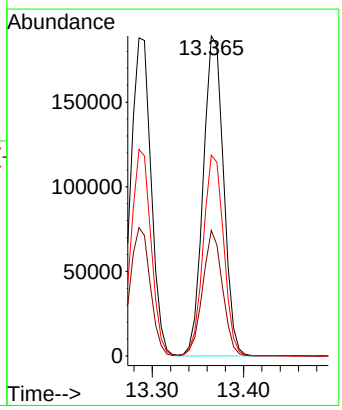


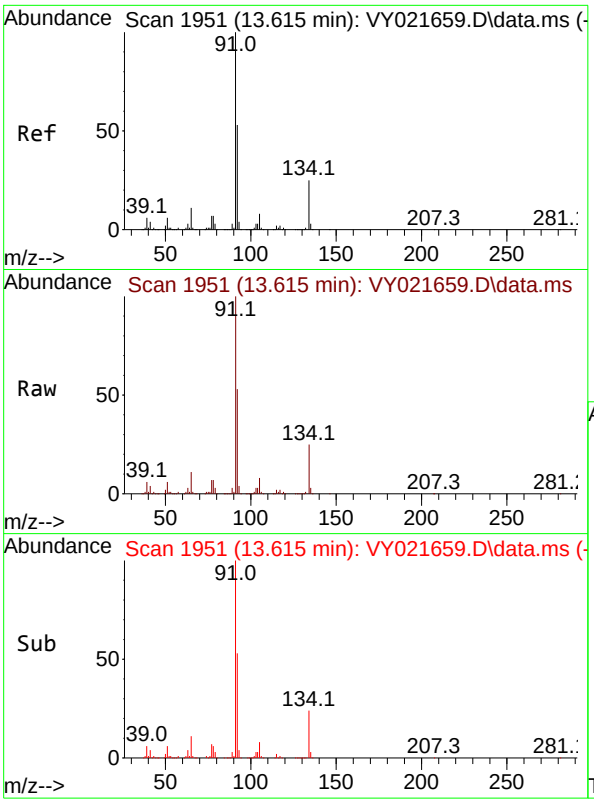


#88
1,4-Dichlorobenzene
Concen: 50.147 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:146 Resp: 292315

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.0	31.5	94.5



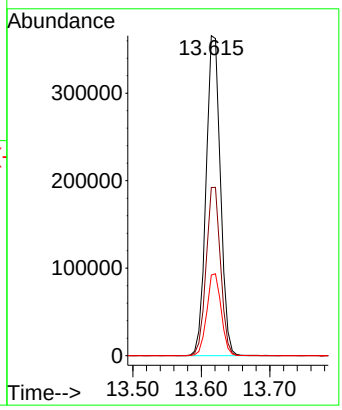


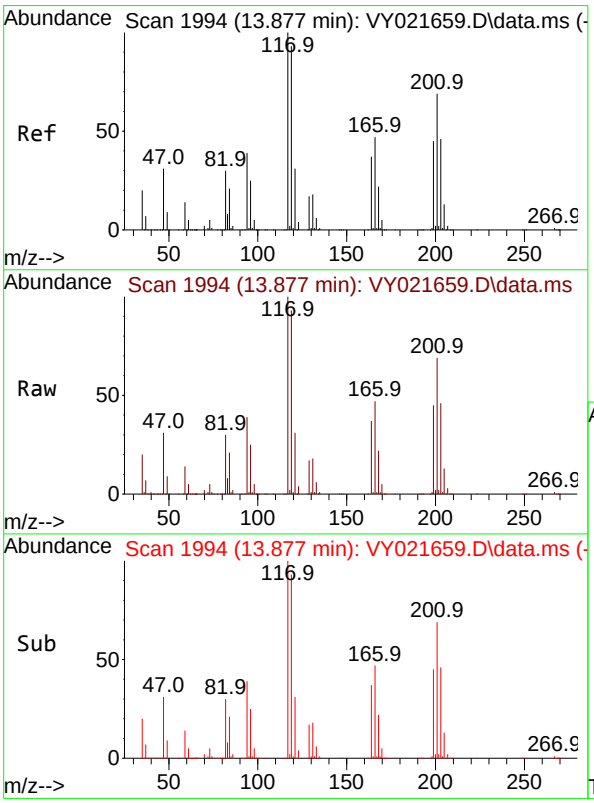
#89
n-Butylbenzene
Concen: 52.544 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 532897

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.8	38.4

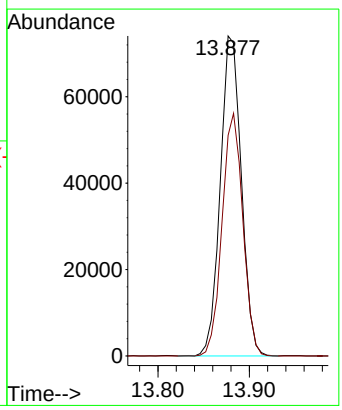


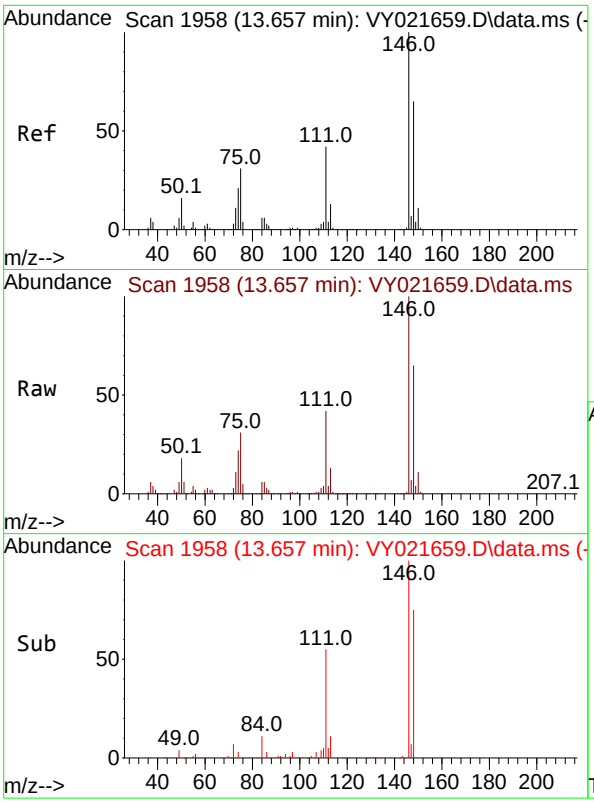


#90
Hexachloroethane
Concen: 49.396 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:117 Resp: 118708

Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.4	112.1



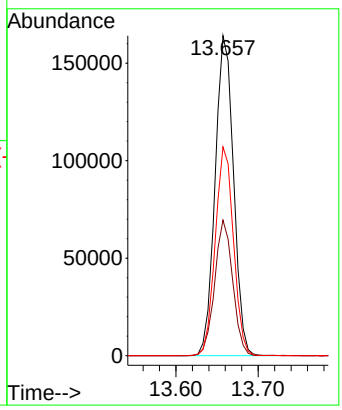


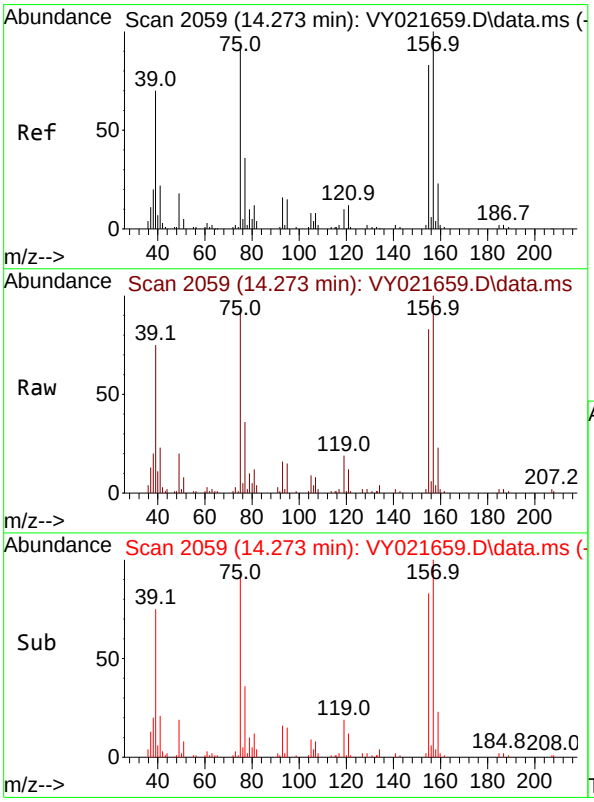
#91
1,2-Dichlorobenzene
Concen: 49.821 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 255877

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.6	32.3	96.9

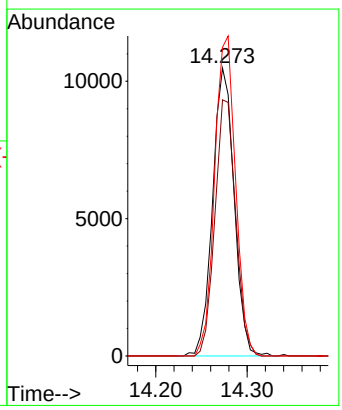


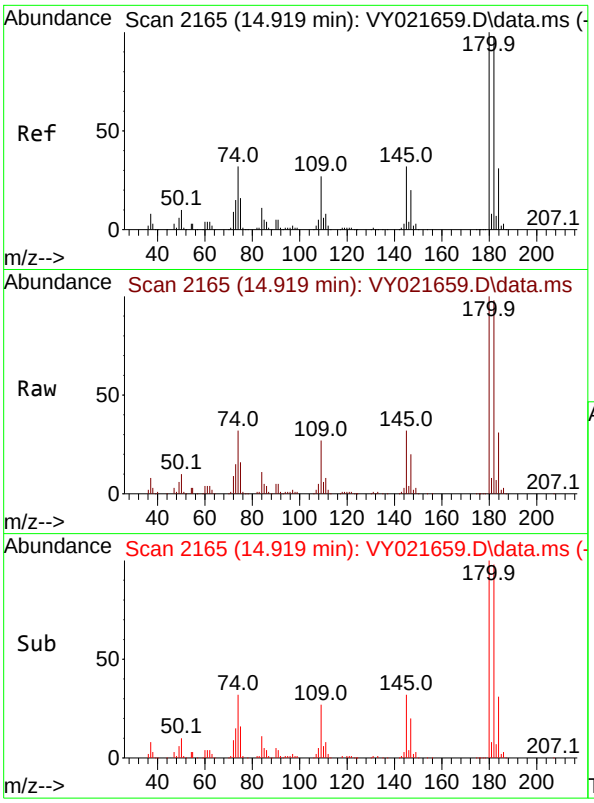


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17123

Ion	Ratio	Lower	Upper
75	100		
155	85.9	43.0	128.8
157	108.0	54.0	162.0



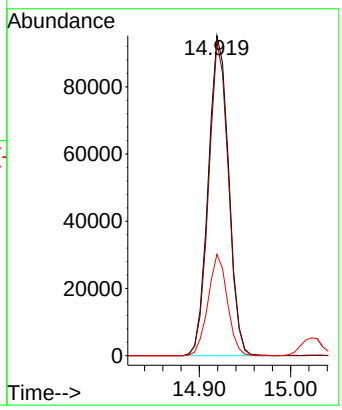


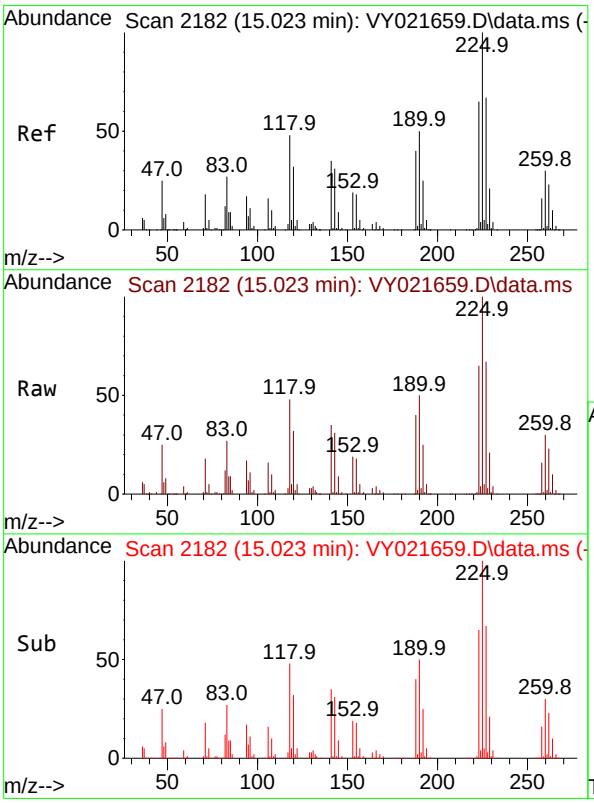
#93
1,2,4-Trichlorobenzene
Concen: 52.935 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 147434

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	29.9	14.9	44.9

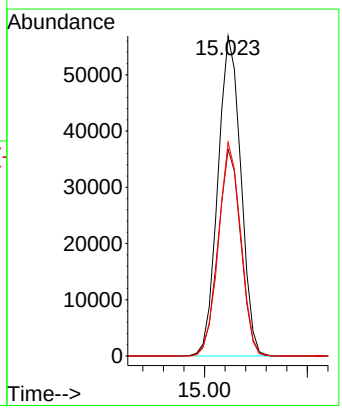


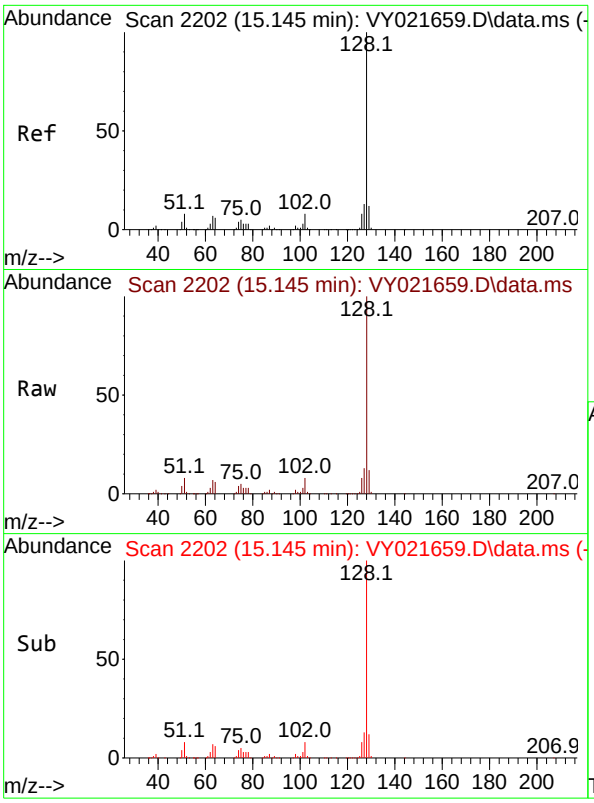


#94
Hexachlorobutadiene
Concen: 50.642 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:225 Resp: 88090

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.7	32.4	97.0



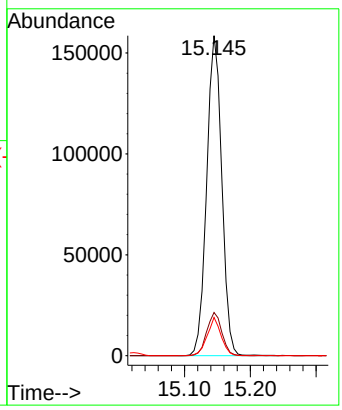


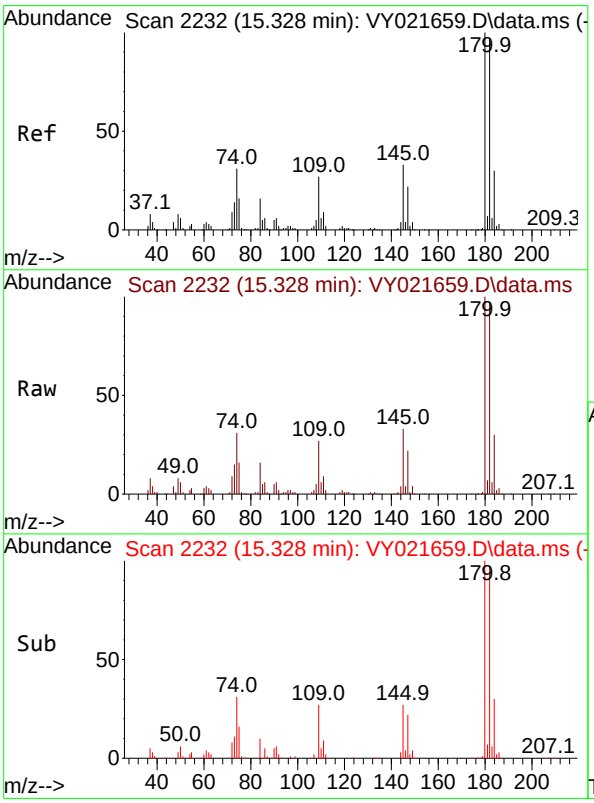
#95
Naphthalene
Concen: 54.848 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 253209

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

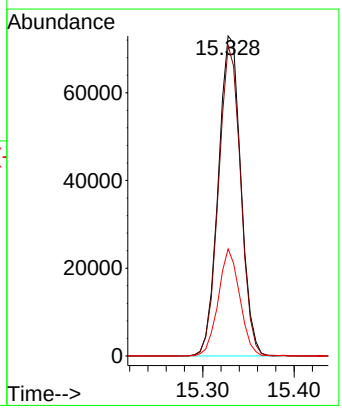




#96
1,2,3-Trichlorobenzene
Concen: 52.754 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:180 Resp: 125294

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	31.8	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.260%#			
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 200.360%#			
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 202.960%#			
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952 ug/l	100
43) Isopropyl Acetate	8.195	43	320092	95.153 ug/l	99
44) Trichloroethene	8.866	130	278937	97.190 ug/l	99
45) 1,2-Dichloropropane	9.140	63	259066	97.163 ug/l	99
46) Dibromomethane	9.231	93	145186	94.482 ug/l	97
47) Bromodichloromethane	9.420	83	386864	97.159 ug/l	99
48) Methyl methacrylate	9.219	41	157046	101.718 ug/l	98
49) 1,4-Dioxane	9.225	88	31647	1922.485 ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331 ug/l	100
52) Toluene	10.170	92	706197	100.486 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058 ug/l	97
56) Ethyl methacrylate	10.439	69	271036	107.339 ug/l	98
57) 1,3-Dichloropropane	10.719	76	329063	96.352 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142 ug/l	100
59) 2-Hexanone	10.762	43	565086	484.686 ug/l	99
60) Dibromochloromethane	10.908	129	265151	98.207 ug/l	100
61) 1,2-Dibromoethane	11.012	107	177158	95.501 ug/l	98
64) Tetrachloroethene	10.646	164	279279	90.401 ug/l	98
65) Chlorobenzene	11.438	112	757197	97.381 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275 ug/l	100
67) Ethyl Benzene	11.518	91	1372249	102.918 ug/l	100
68) m/p-Xylenes	11.627	106	1050156	205.681 ug/l	99
69) o-Xylene	11.957	106	491895	104.369 ug/l	98
70) Styrene	11.969	104	833734	106.098 ug/l	99
71) Bromoform	12.133	173	152683	97.024 ug/l	100
73) Isopropylbenzene	12.255	105	1298221	103.486 ug/l	100
74) N-amyl acetate	12.072	43	303328	103.027 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	285947	170.792 ug/l #	100
77) Bromobenzene	12.530	156	299163	99.323 ug/l	98
78) n-propylbenzene	12.597	91	1557825	103.290 ug/l	100
79) 2-Chlorotoluene	12.676	91	879334	100.382 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330 ug/l	99
82) 4-Chlorotoluene	12.780	91	910295	99.676 ug/l	99
83) tert-Butylbenzene	12.999	119	956705	104.762 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880 ug/l	100
85) sec-Butylbenzene	13.176	105	1369601	102.624 ug/l	100
86) p-Isopropyltoluene	13.292	119	1163796	105.509 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416 ug/l	99
89) n-Butylbenzene	13.615	91	1069356	104.828 ug/l	100
90) Hexachloroethane	13.877	117	239487	99.078 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943 ug/l	99
94) Hexachlorobutadiene	15.023	225	172909	98.829 ug/l	99
95) Naphthalene	15.145	128	508449	109.498 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

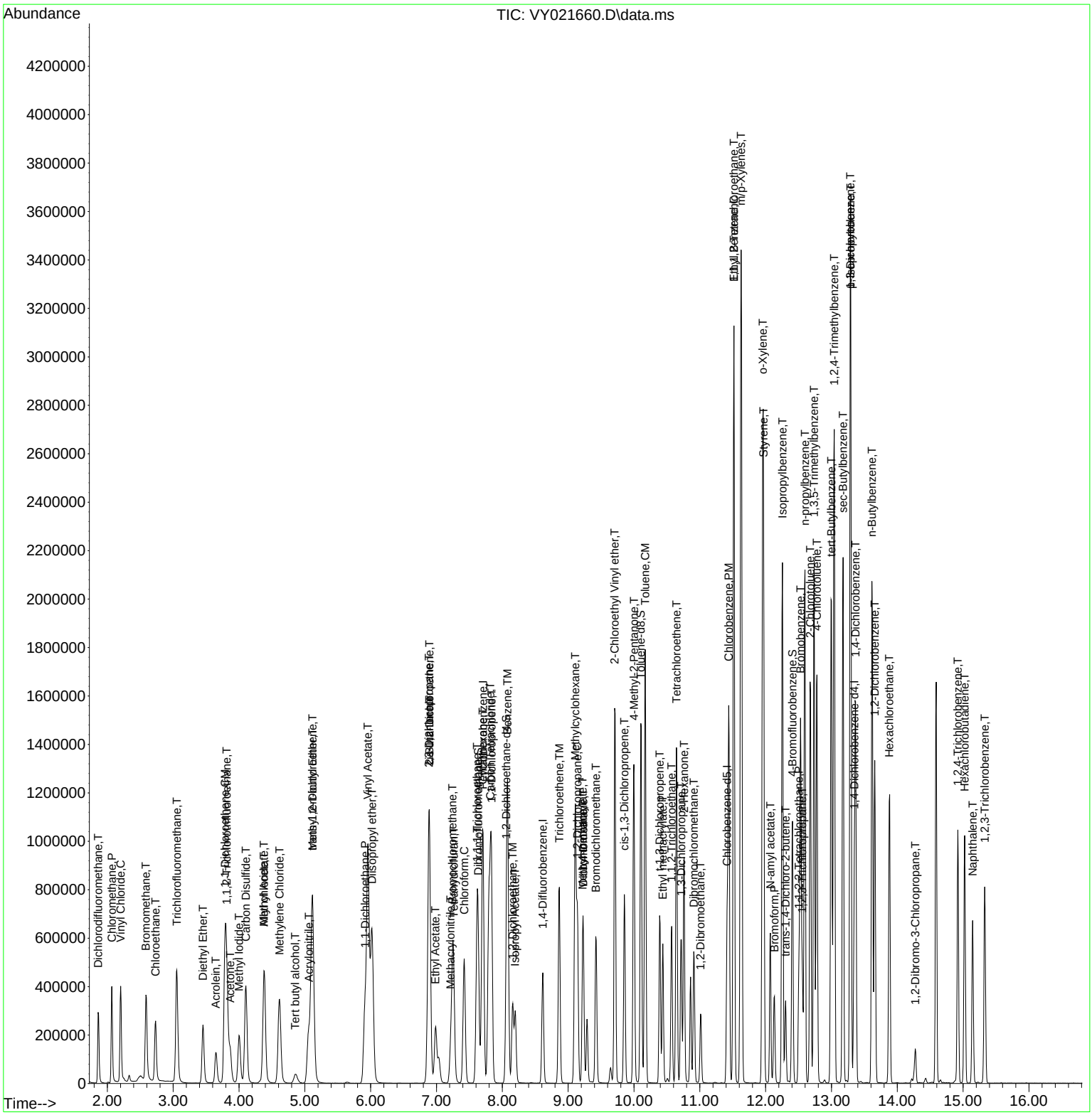
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

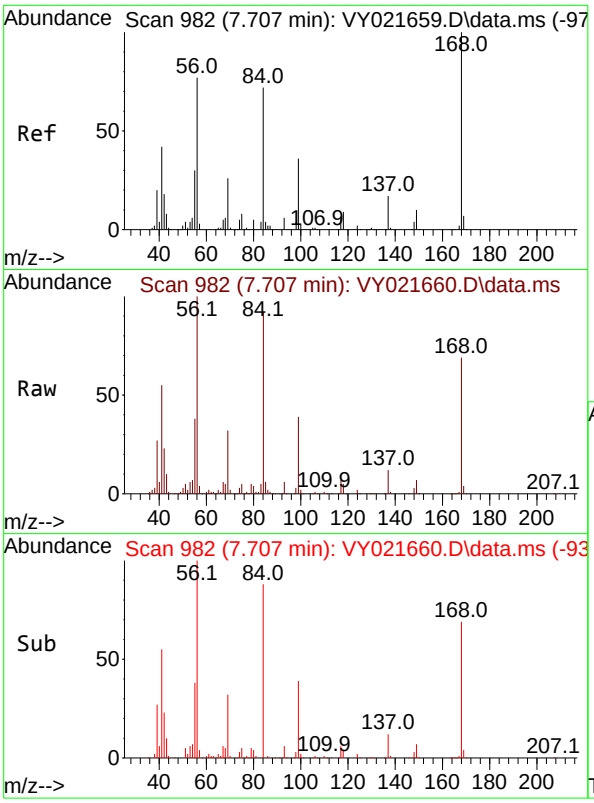
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
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: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
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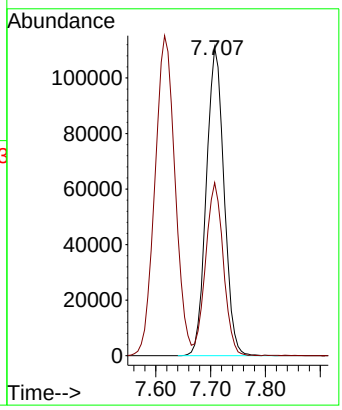


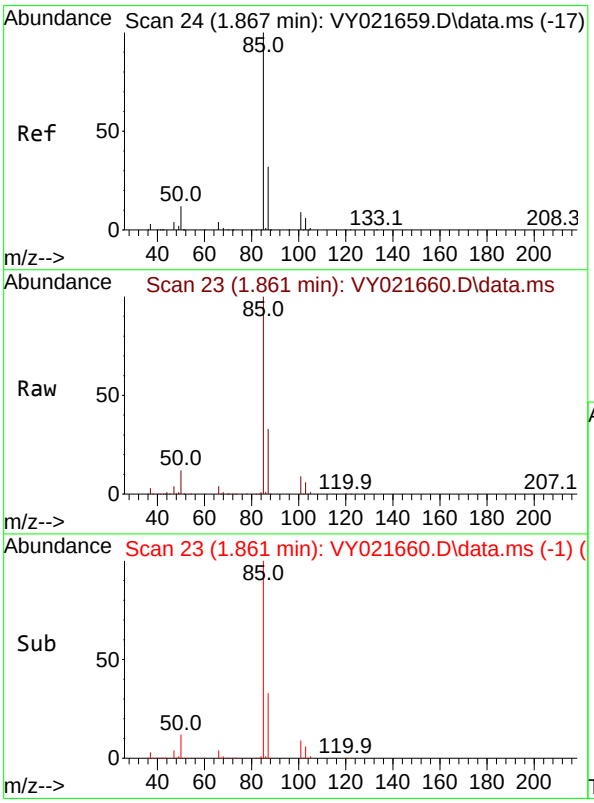
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 248041

Ion	Ratio	Lower	Upper
168	100		
99	56.0	46.7	70.1

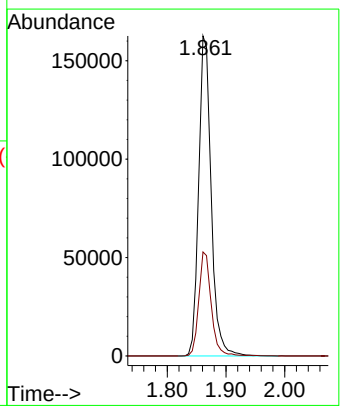


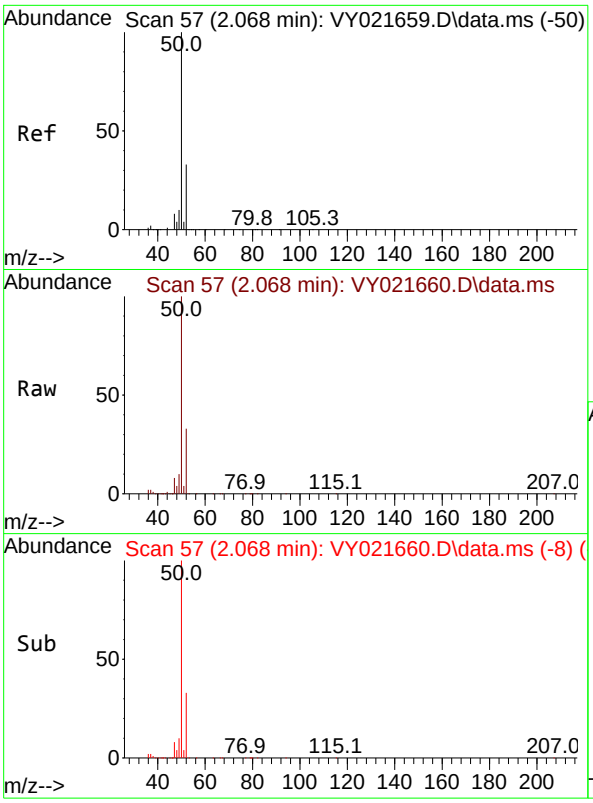


#2
Dichlorodifluoromethane
Concen: 93.569 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 85 Resp: 240555

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.6



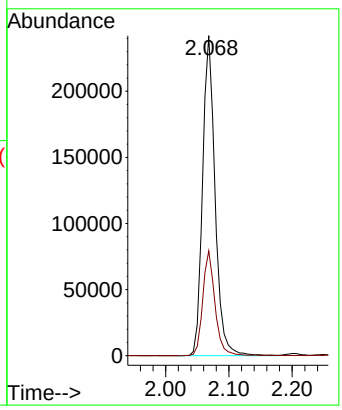


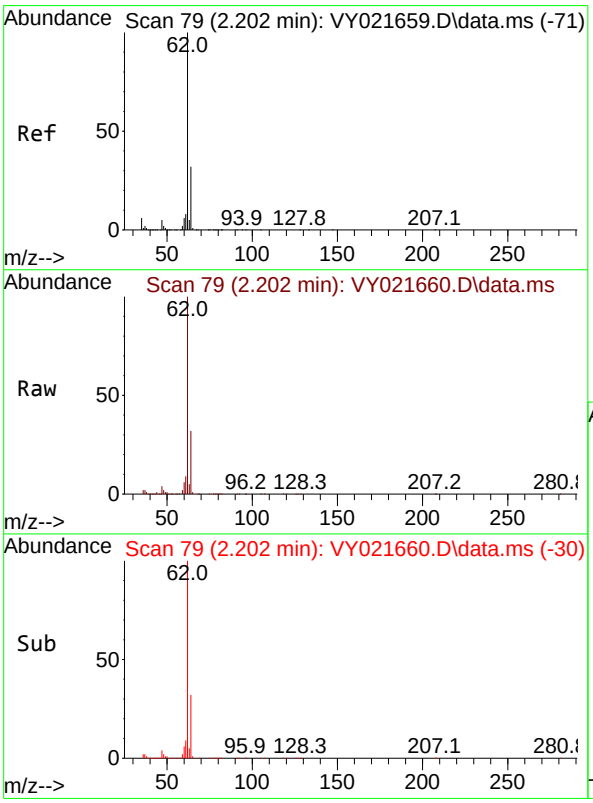
#3
Chloromethane
Concen: 92.202 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 333313

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5

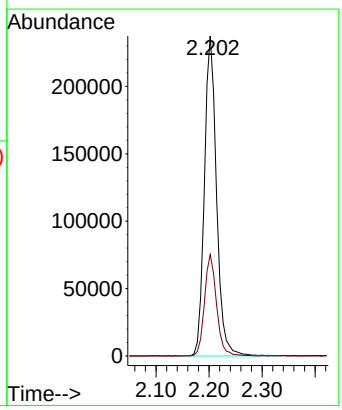


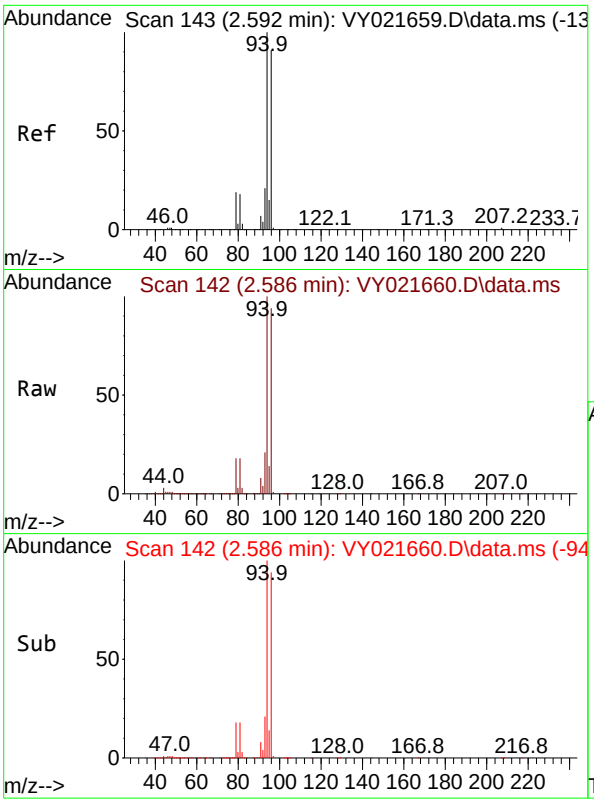


#4
Vinyl Chloride
Concen: 91.934 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 375853

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.5	38.3



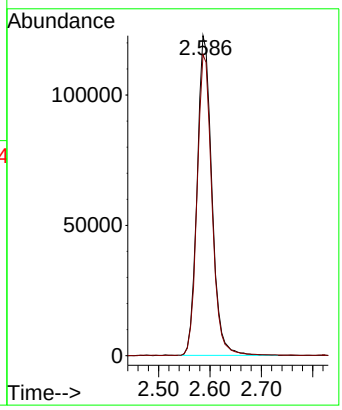


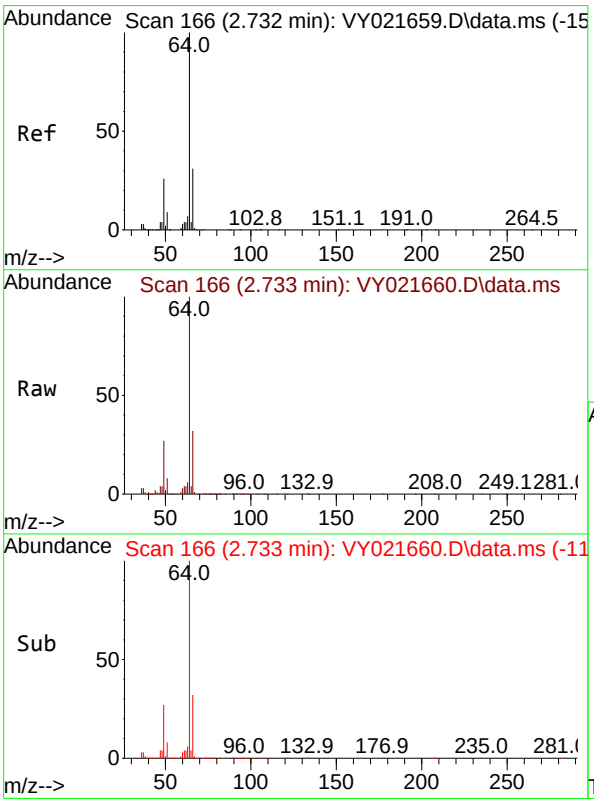
#5
Bromomethane
Concen: 87.885 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 245057

Ion	Ratio	Lower	Upper
94	100		
96	94.0	72.8	109.2

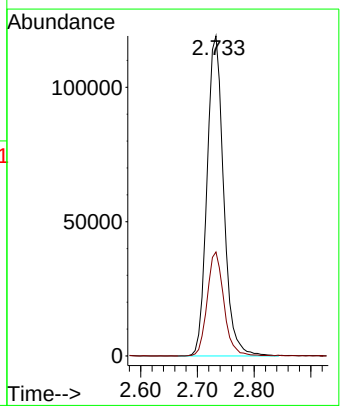


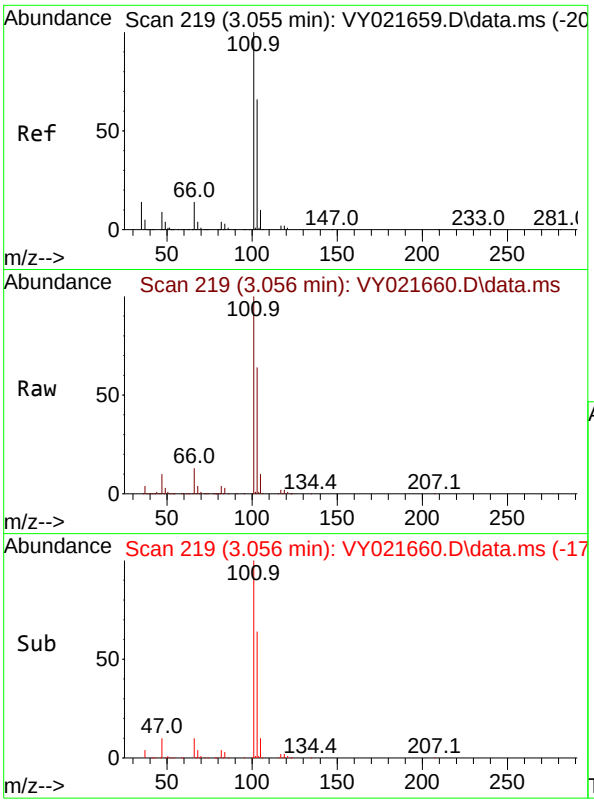


#6
Chloroethane
Concen: 90.810 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 64 Resp: 242934

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.9	37.3



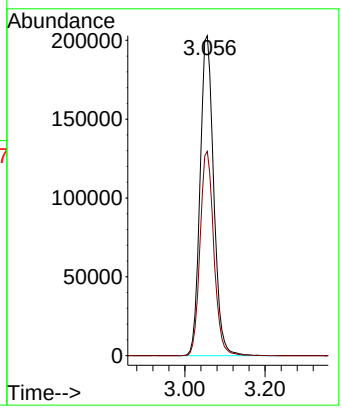


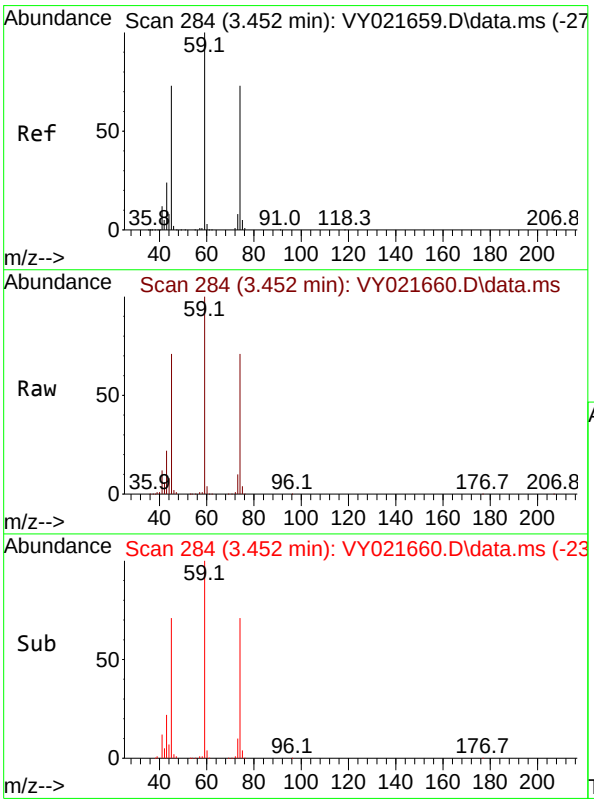
#7
Trichlorofluoromethane
Concen: 91.568 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 479554

Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.1	79.7

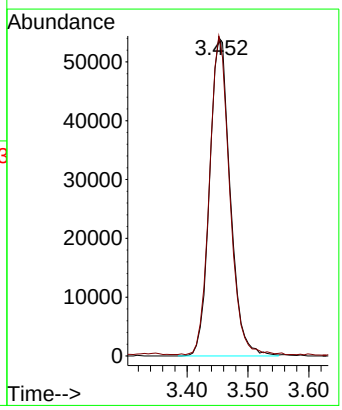


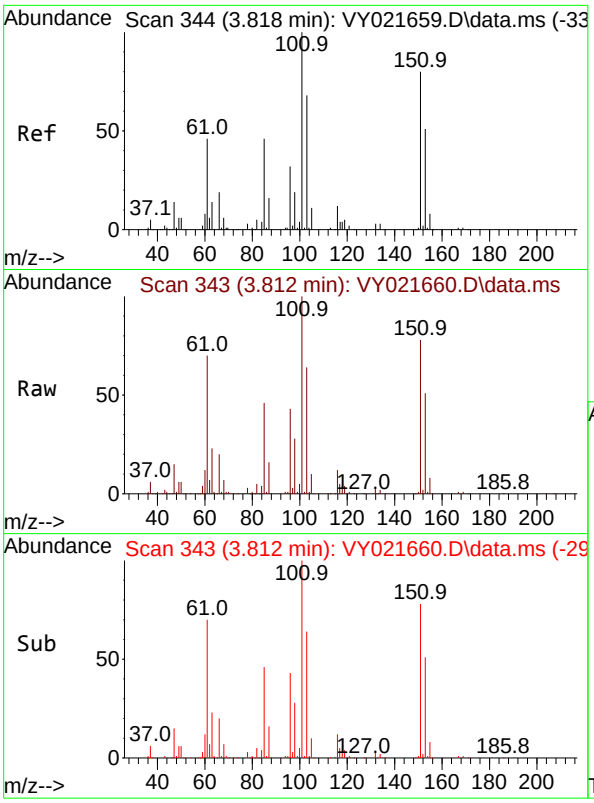


#8
Diethyl Ether
Concen: 89.276 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 74 Resp: 127148

Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.6	145.8



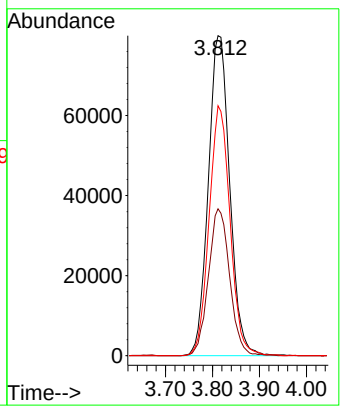


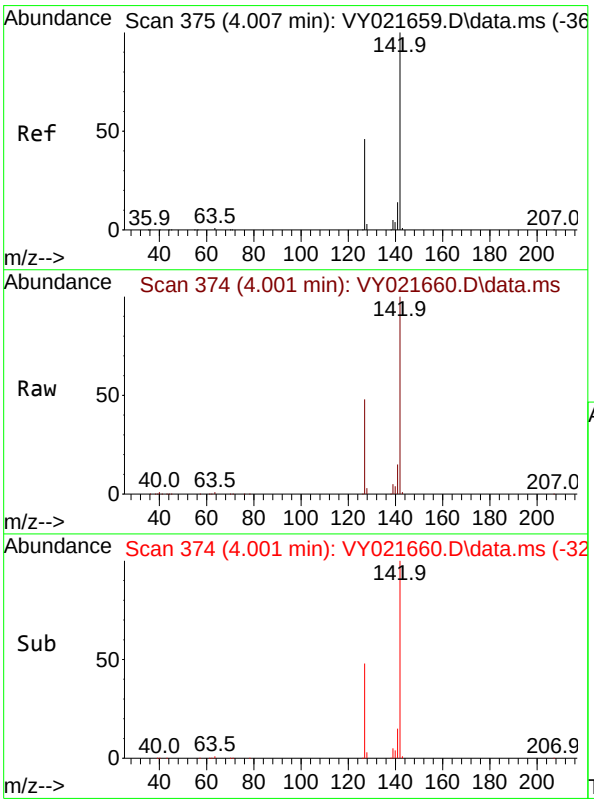
#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.550 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 252877

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	76.7	61.3	91.9

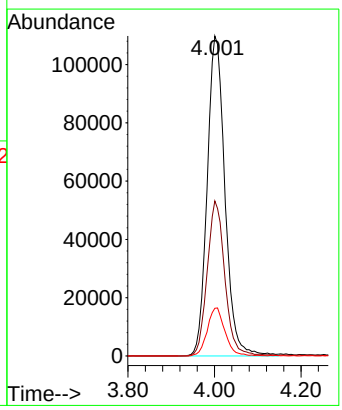


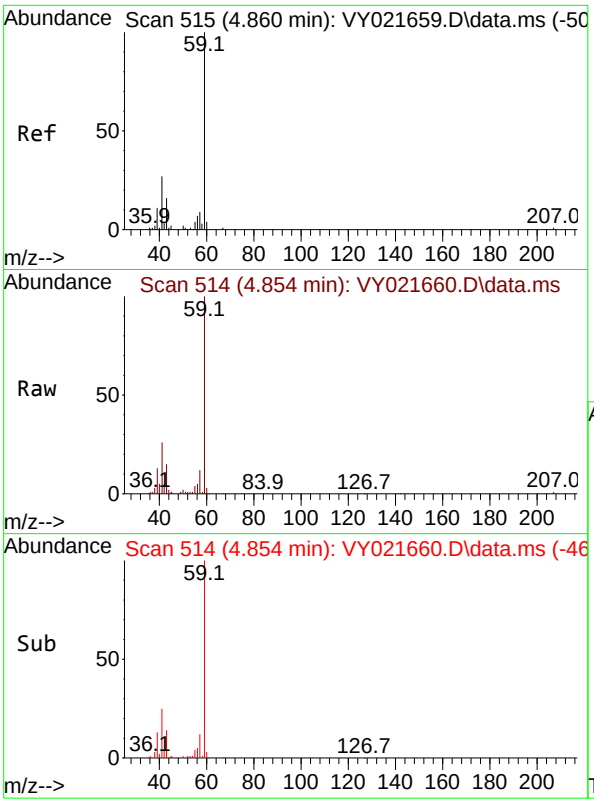


#10
Methyl Iodide
Concen: 103.371 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:142 Resp: 313241

Ion	Ratio	Lower	Upper
142	100		
127	48.2	38.7	58.1
141	15.0	11.5	17.3



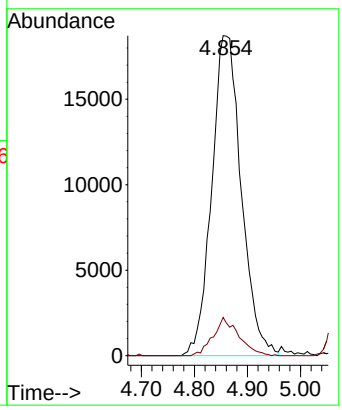


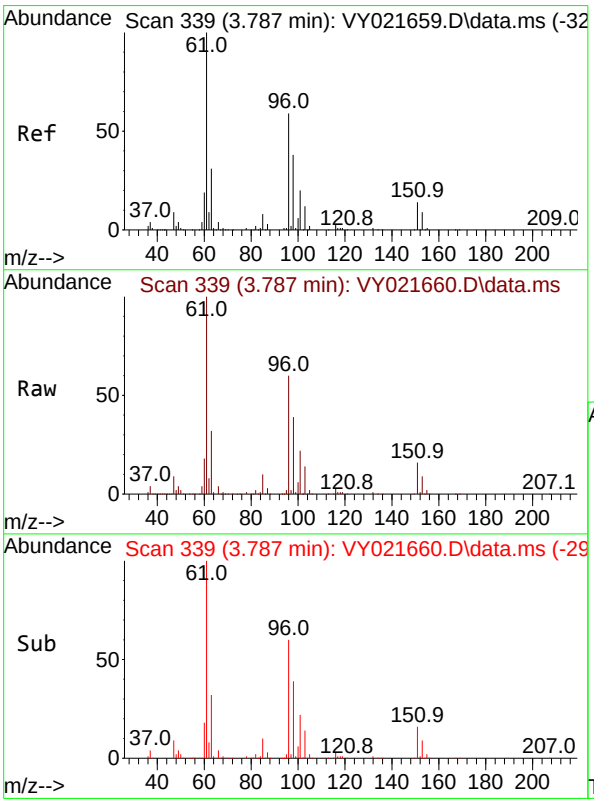
#11
Tert butyl alcohol
Concen: 415.131 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 72464

Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.2	13.8

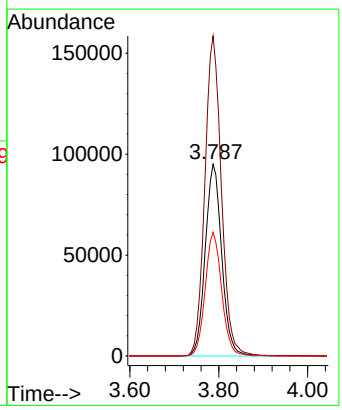


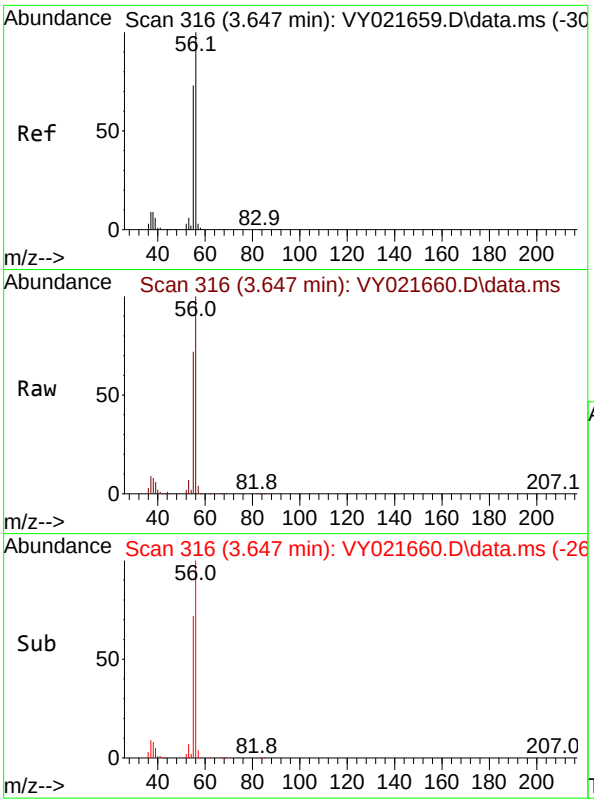


#12
1,1-Dichloroethene
Concen: 94.504 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 96 Resp: 245873

Ion	Ratio	Lower	Upper
96	100		
61	166.9	136.6	204.8
98	64.4	52.3	78.5



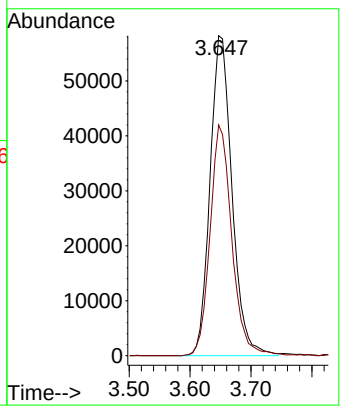


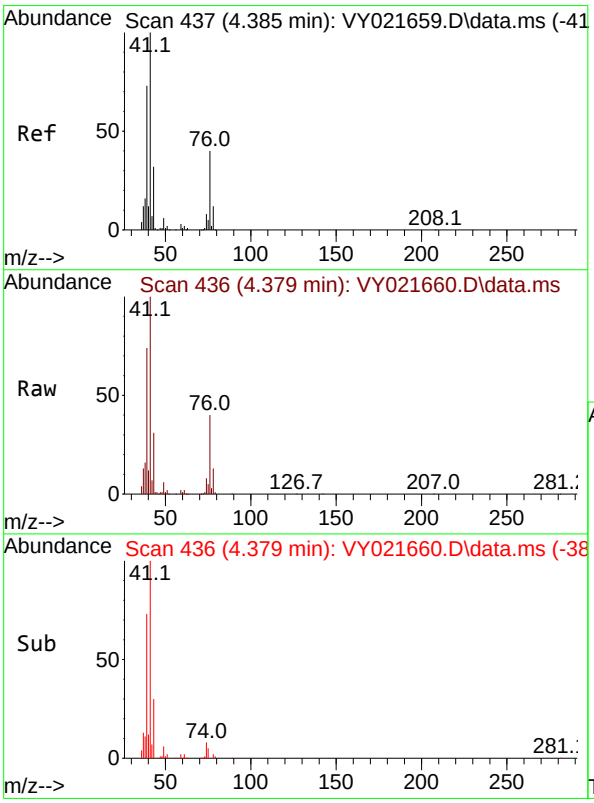
#13
Acrolein
Concen: 456.581 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 145527

Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.6	85.0

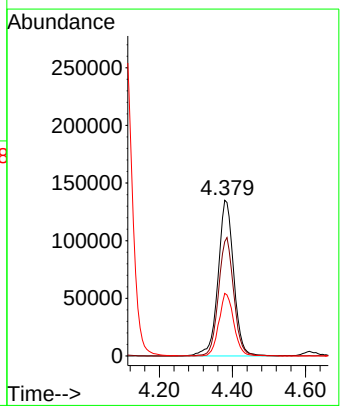


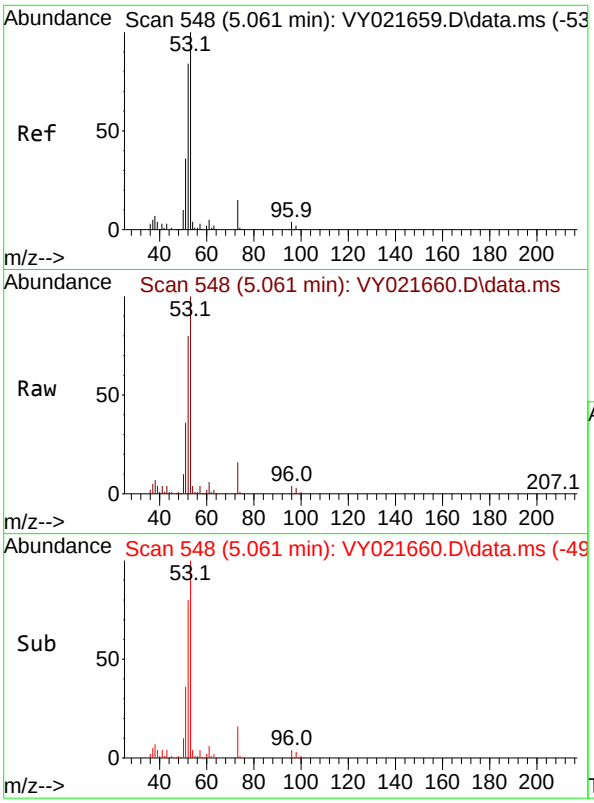


#14
Allyl chloride
Concen: 97.292 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 403587

Ion	Ratio	Lower	Upper
41	100		
39	74.0	58.6	88.0
76	38.3	30.3	45.5



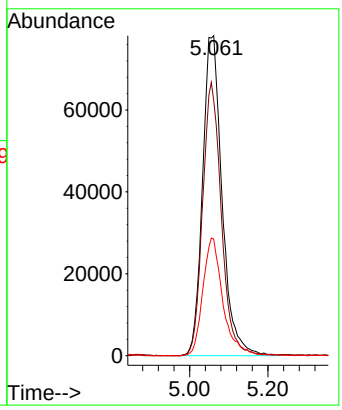


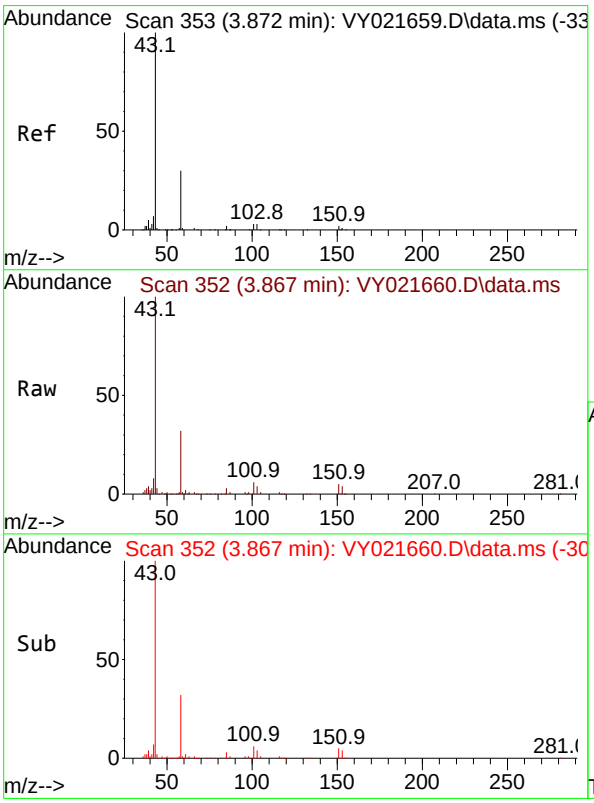
#15
Acrylonitrile
Concen: 454.005 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 269979

Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.9	97.3
51	37.8	30.2	45.2

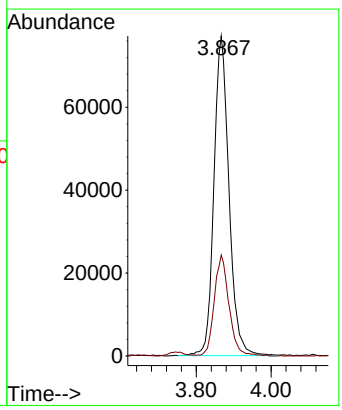


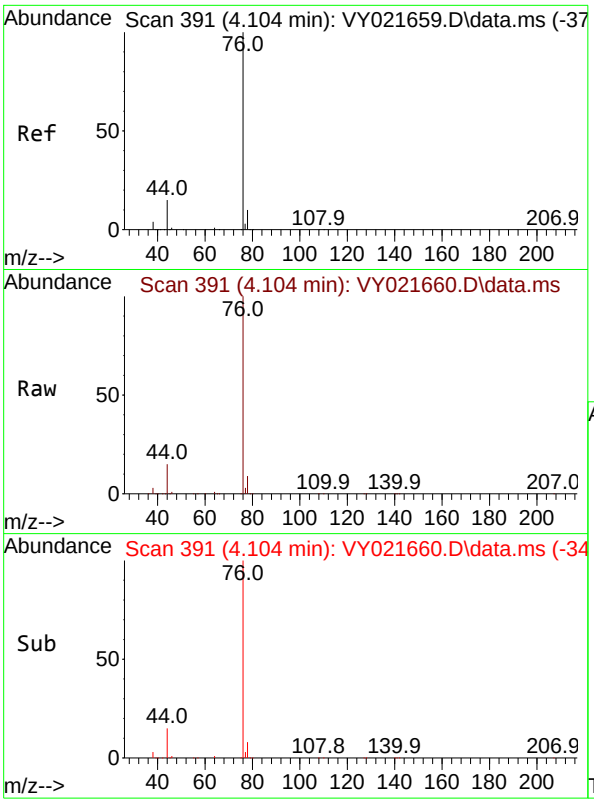


#16
Acetone
Concen: 391.376 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 215263

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.2	36.4



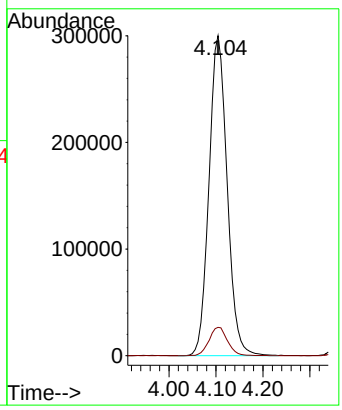


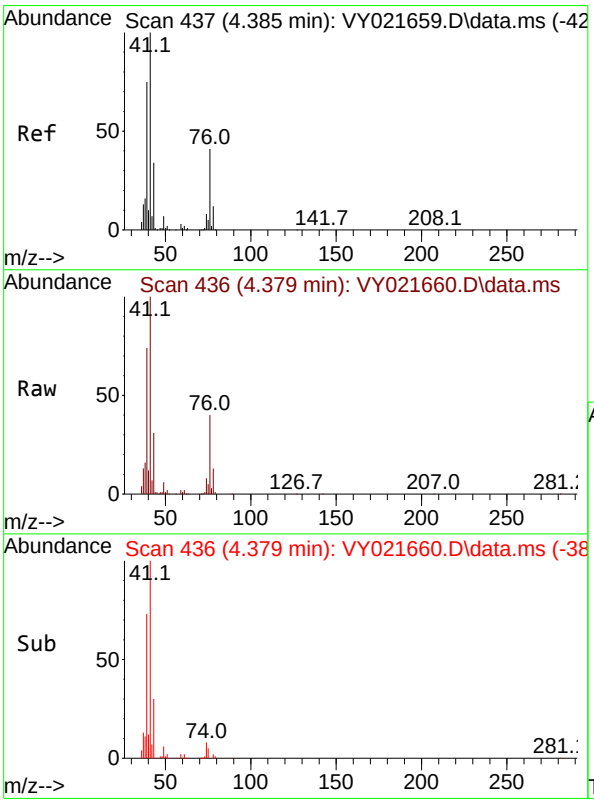
#17
Carbon Disulfide
Concen: 93.952 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 805100

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

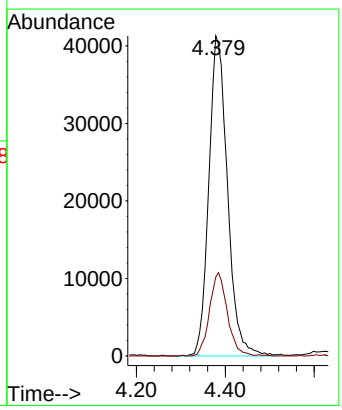


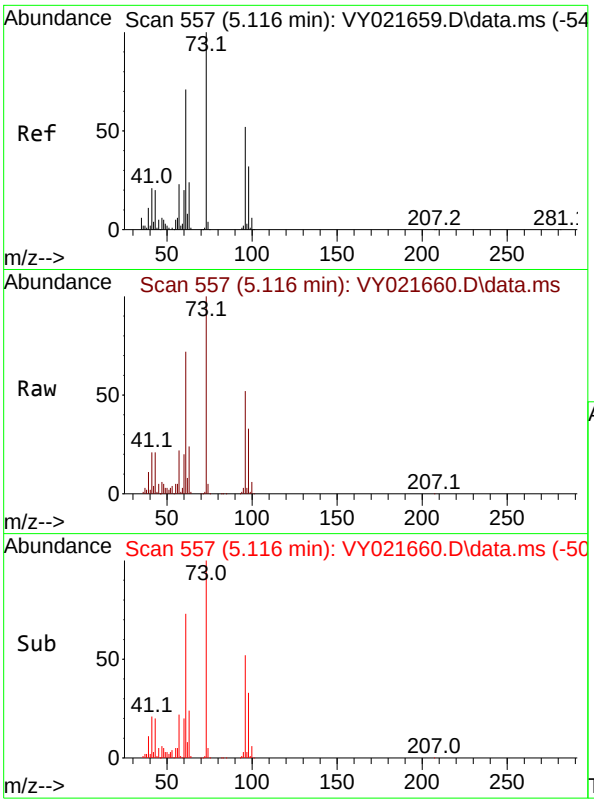


#18
Methyl Acetate
Concen: 88.304 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 120373

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7



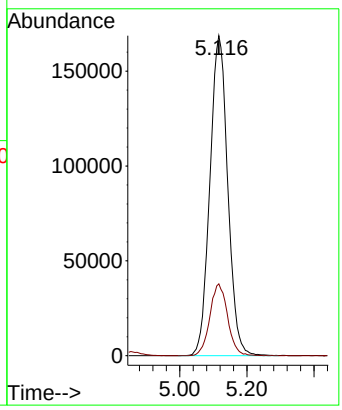


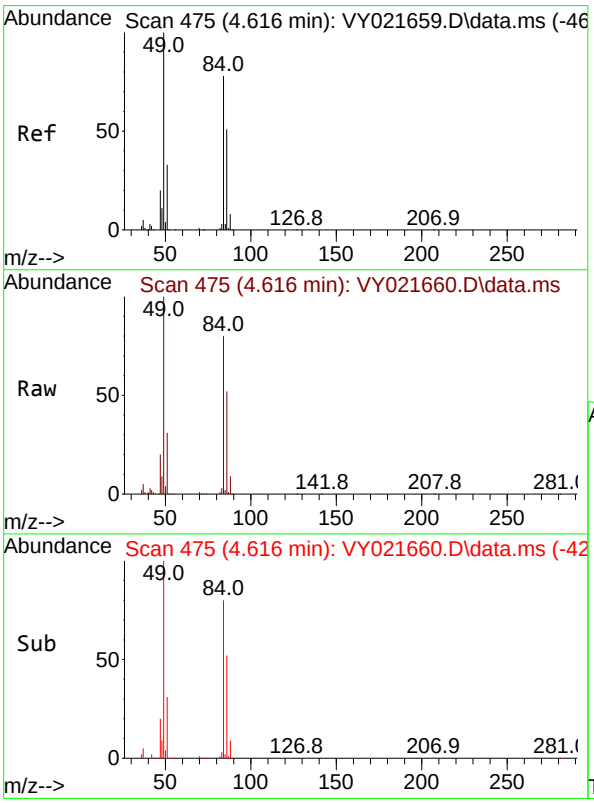
#19
Methyl tert-butyl Ether
Concen: 96.160 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 622864

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1

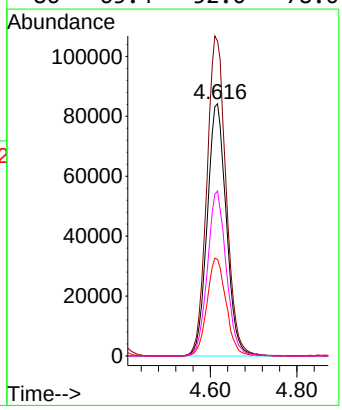


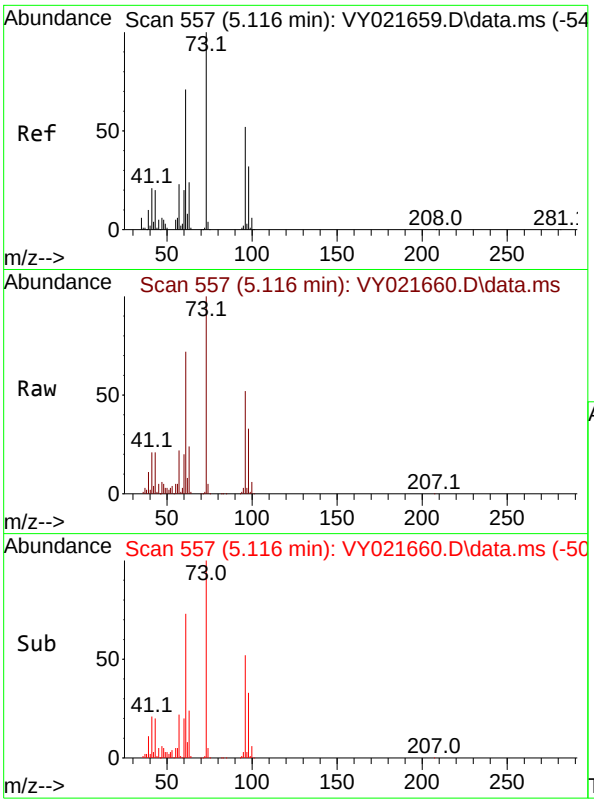


#20
Methylene Chloride
Concen: 99.325 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 84 Resp: 257053

Ion	Ratio	Lower	Upper
84	100		
49	124.8	102.8	154.2
51	38.3	33.5	50.3
86	65.4	52.0	78.0



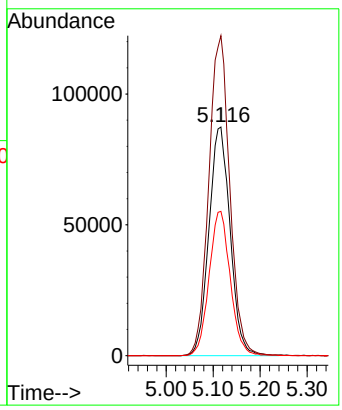


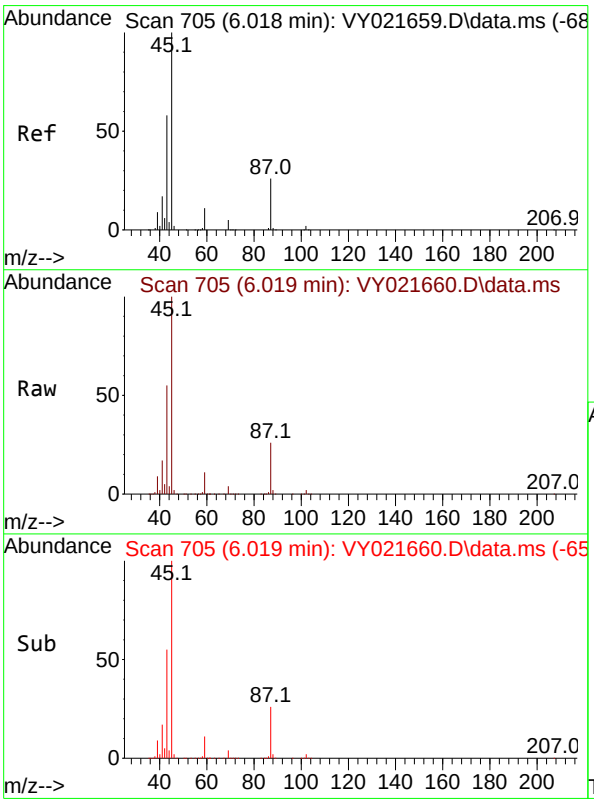
#21
trans-1,2-Dichloroethene
Concen: 95.485 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 273524

Ion	Ratio	Lower	Upper
96	100		
61	140.0	109.4	164.0
98	63.1	50.2	75.2

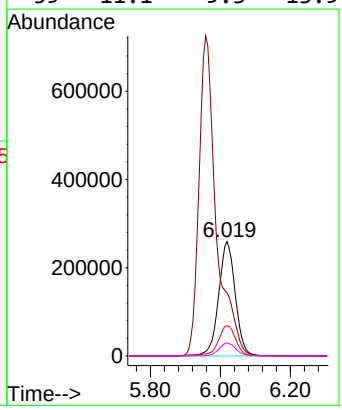


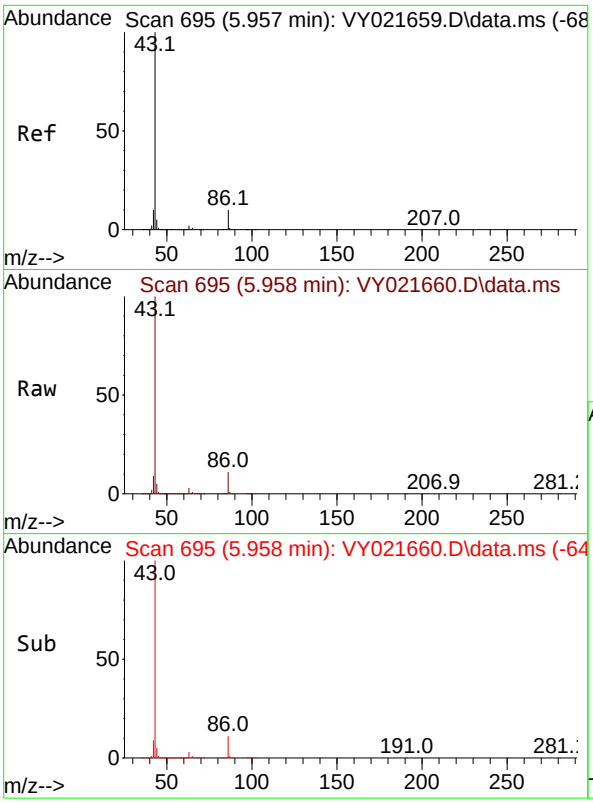


#22
Diisopropyl ether
Concen: 98.345 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 45 Resp: 855783

Ion	Ratio	Lower	Upper
45	100		
43	55.2	46.6	69.8
87	26.5	20.7	31.1
59	11.1	9.3	13.9



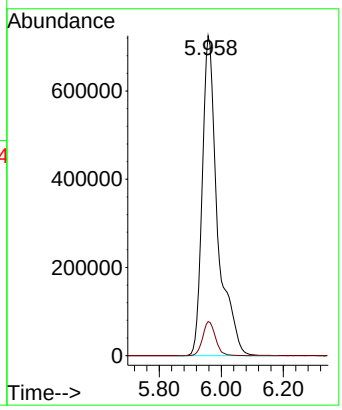


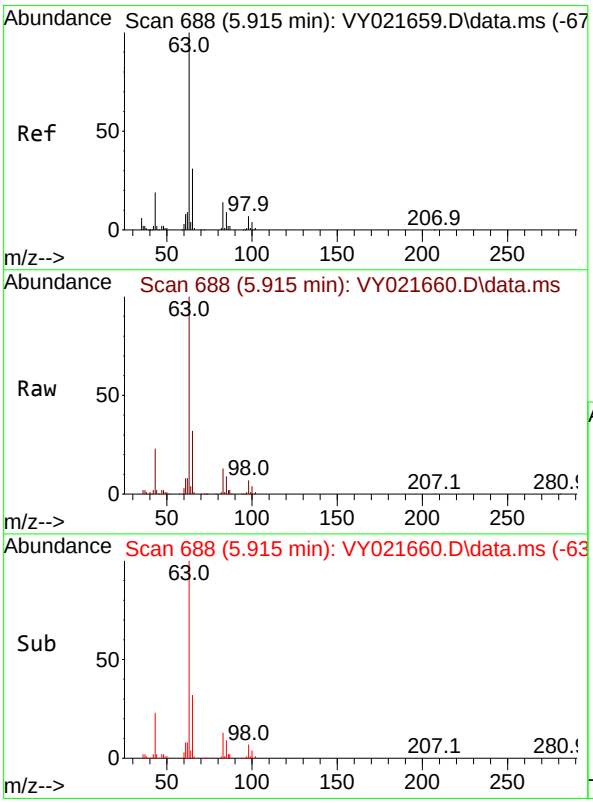
#23
Vinyl Acetate
Concen: 489.304 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2490861

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

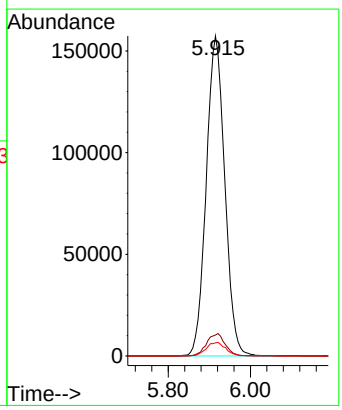


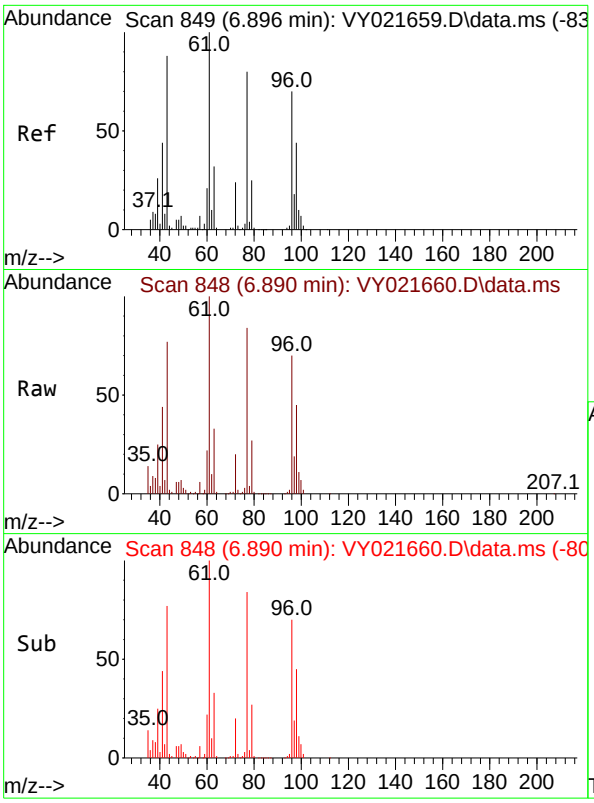


#24
1,1-Dichloroethane
Concen: 94.595 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 492205

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	4.1	2.2	6.6



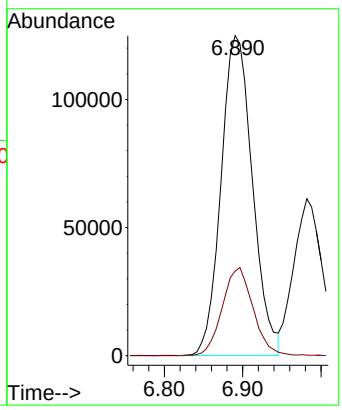


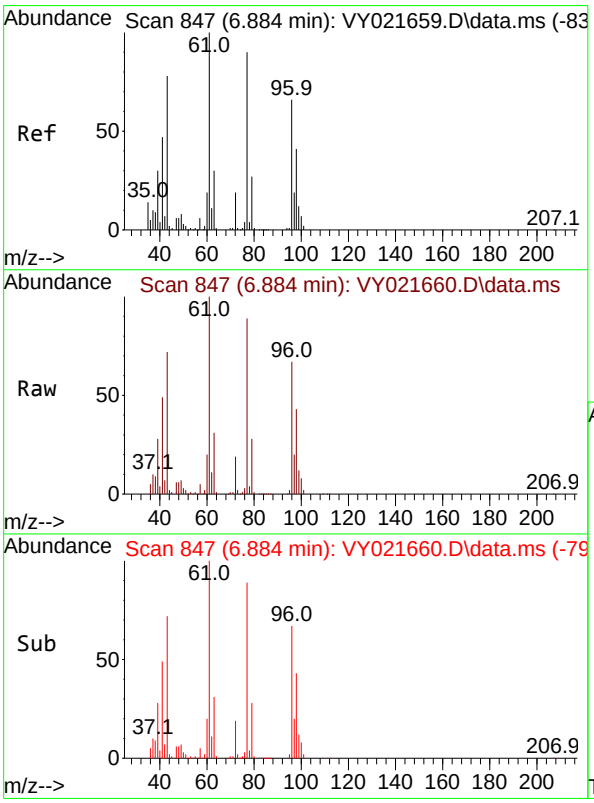
#25
2-Butanone
Concen: 442.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 348017

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

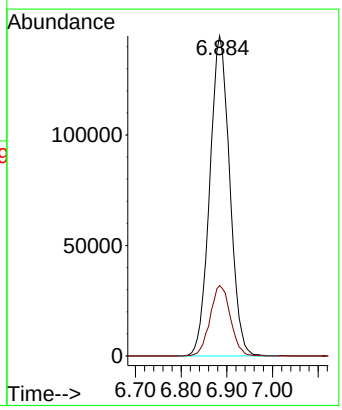


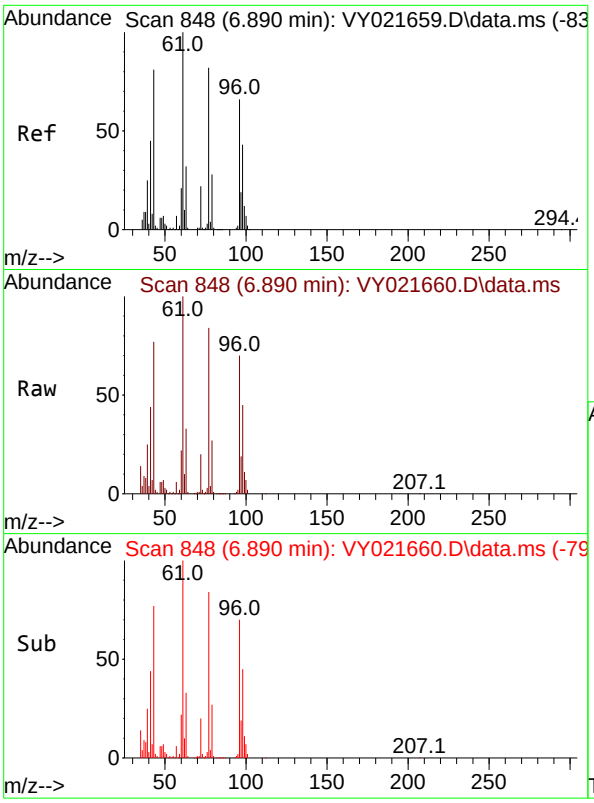


#26
2,2-Dichloropropane
Concen: 94.960 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 77 Resp: 439519

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.1



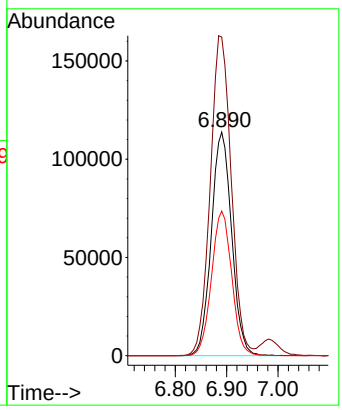


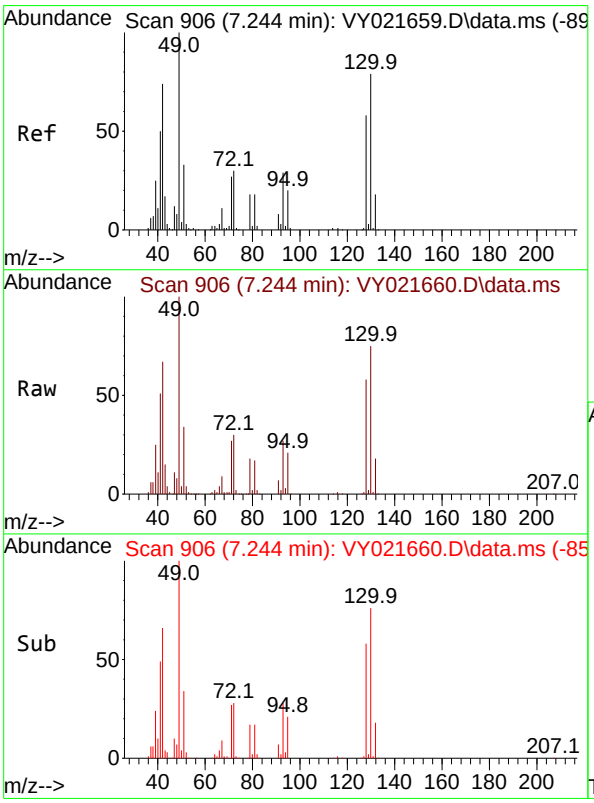
#27
cis-1,2-Dichloroethene
Concen: 97.115 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 312849

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	296.4
98	64.2	0.0	128.0

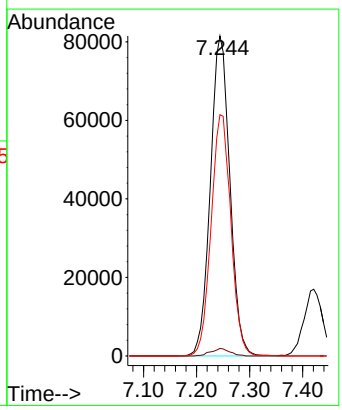


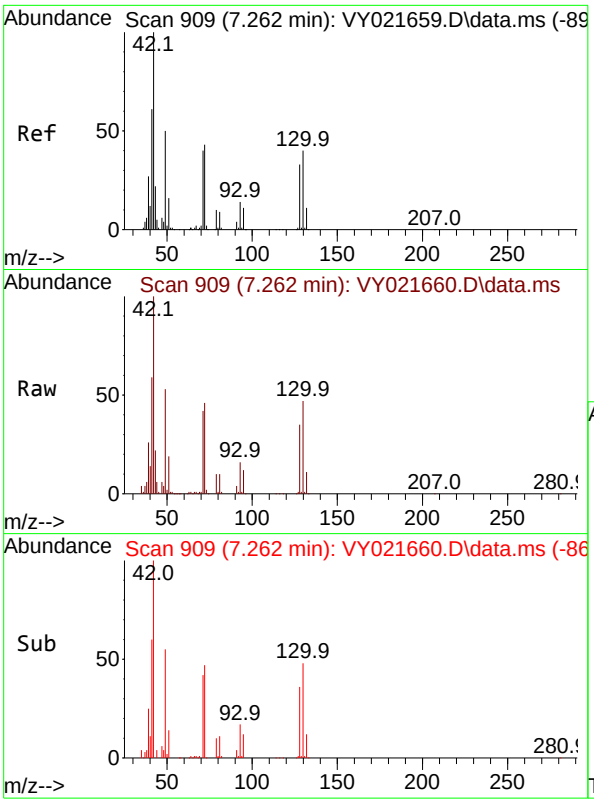


#28
Bromochloromethane
Concen: 94.860 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 49 Resp: 208162

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.3	60.1	90.1



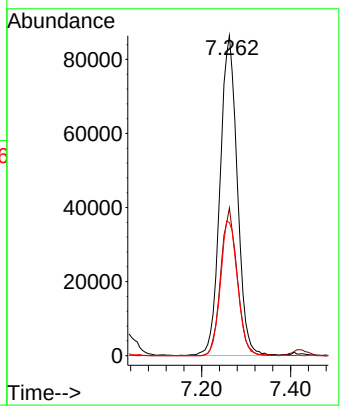


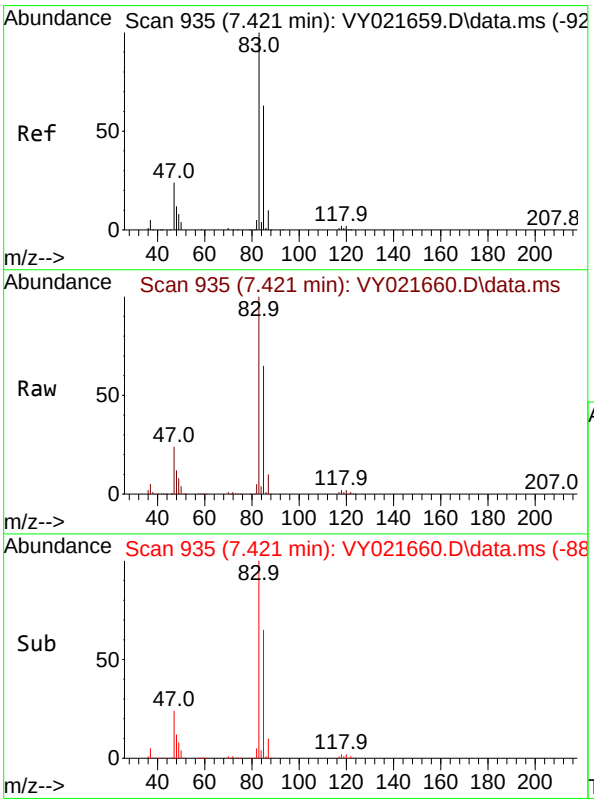
#29
Tetrahydrofuran
Concen: 457.752 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 231439

Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	52.0
71	42.0	32.5	48.7

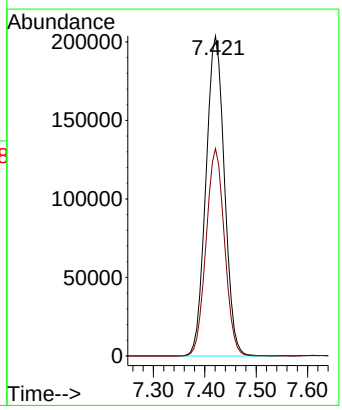


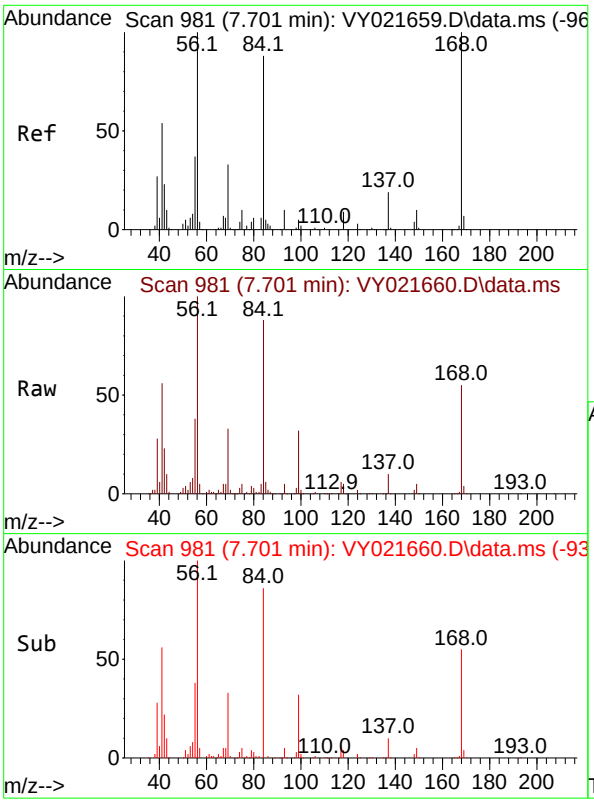


#30
Chloroform
Concen: 94.087 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 509194

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	75.8



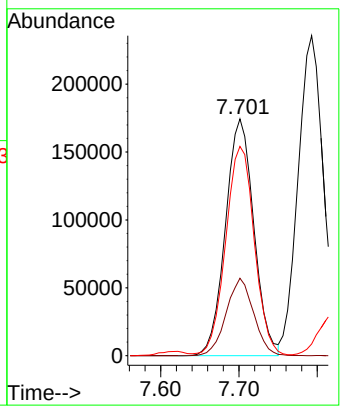


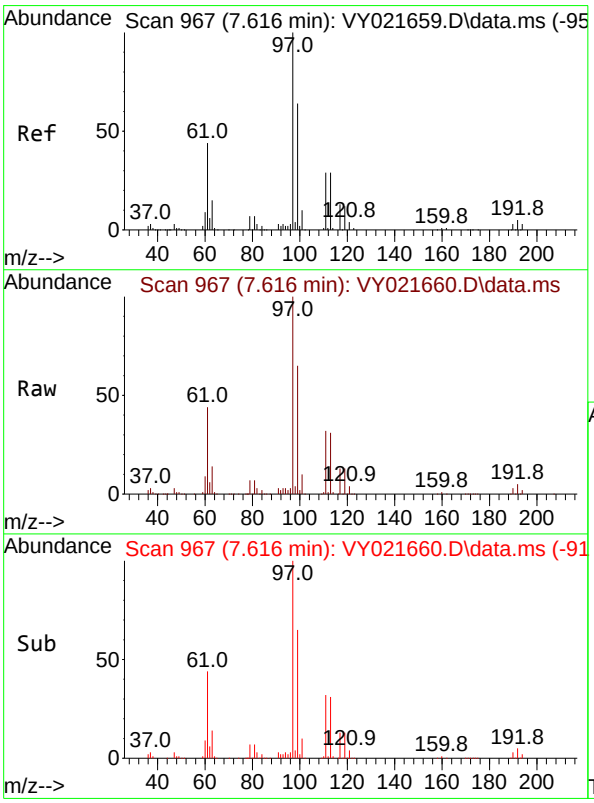
#31
Cyclohexane
Concen: 92.706 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 439720

Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.6	40.0
84	86.5	69.0	103.4

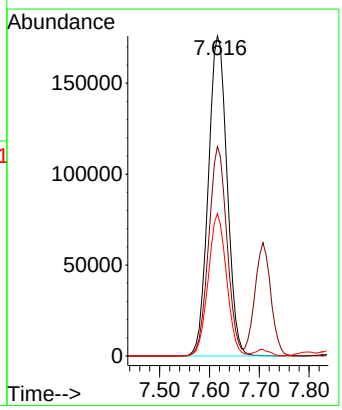


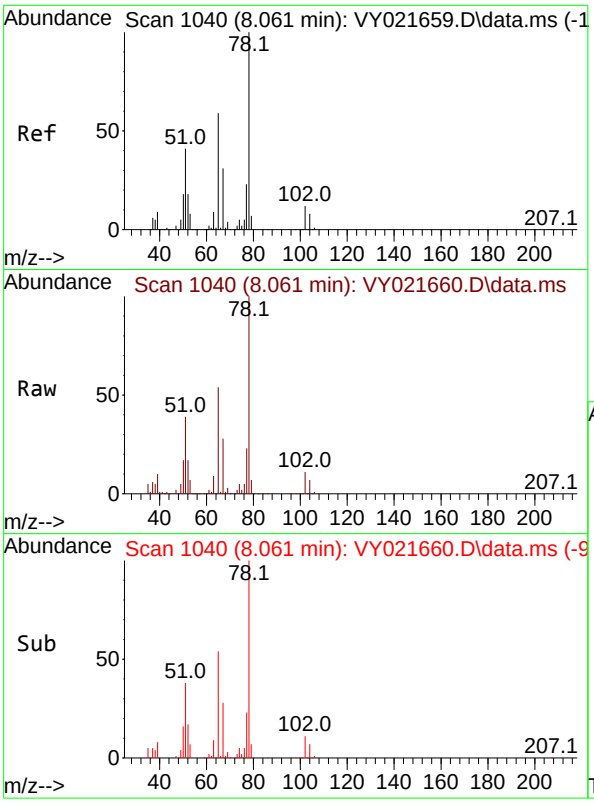


#32
1,1,1-Trichloroethane
Concen: 94.182 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 97 Resp: 460680

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.7	76.1
61	43.5	35.2	52.8



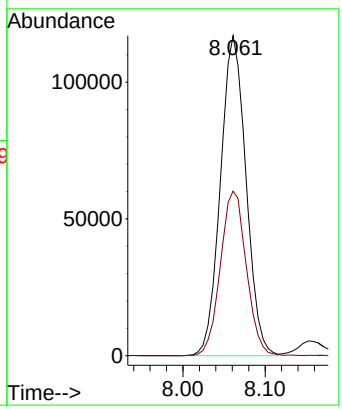


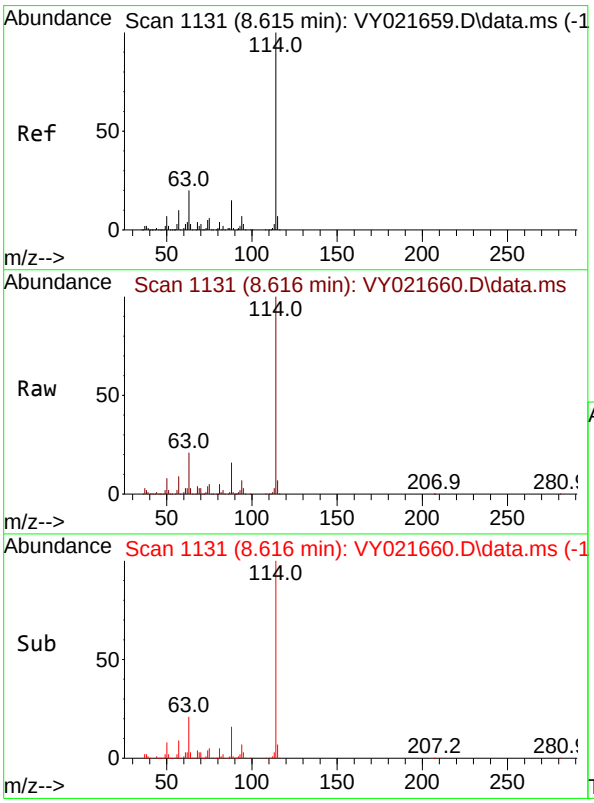
#33
1,2-Dichloroethane-d4
Concen: 94.129 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 252968

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6

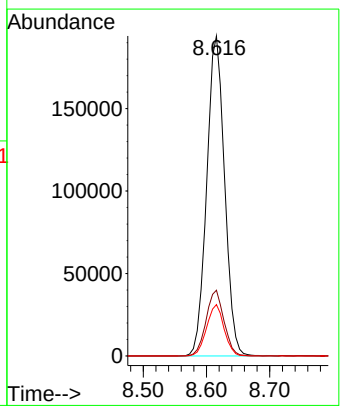


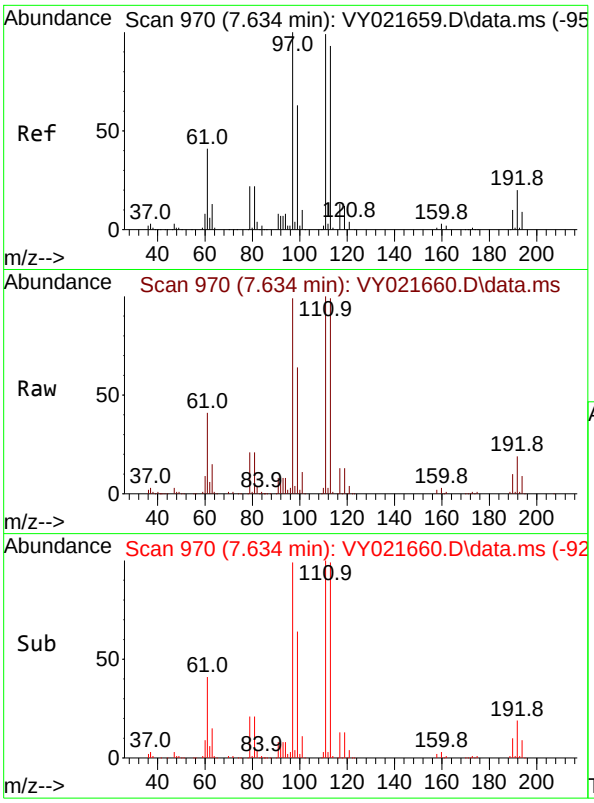


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:114 Resp: 380682

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	16.0	0.0	29.8



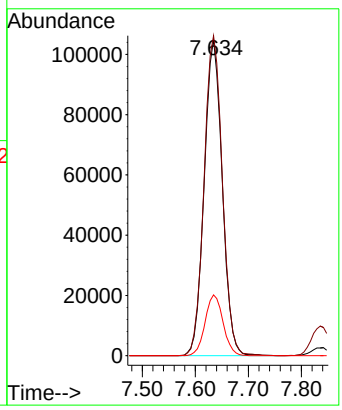


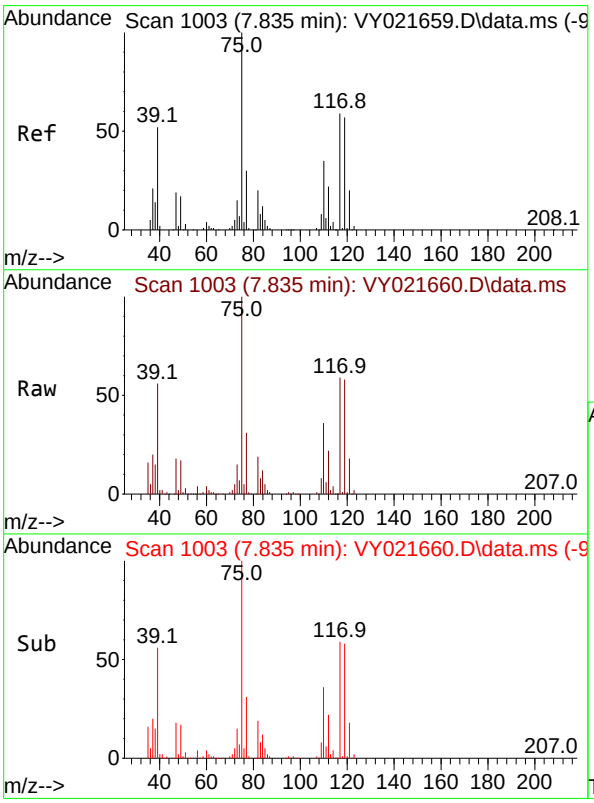
#35
Dibromofluoromethane
Concen: 100.177 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 247380

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.2	16.2	24.4

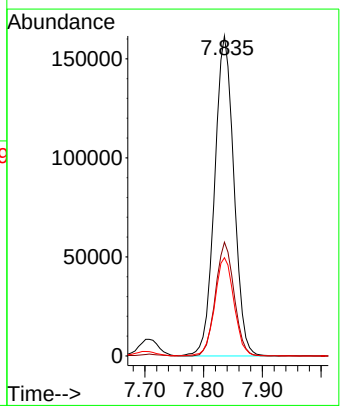


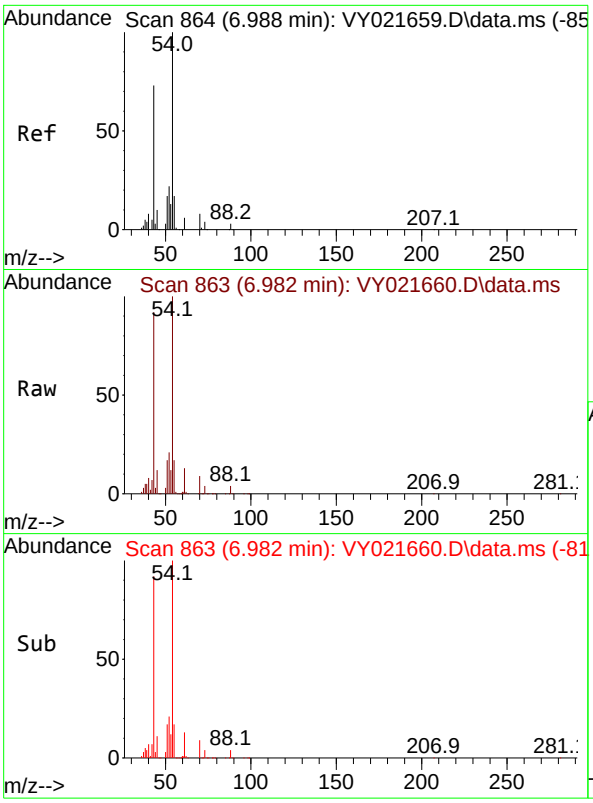


#36
1,1-Dichloropropene
Concen: 98.035 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 368741

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.8	24.8	37.2



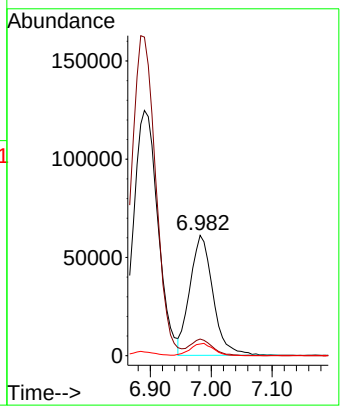


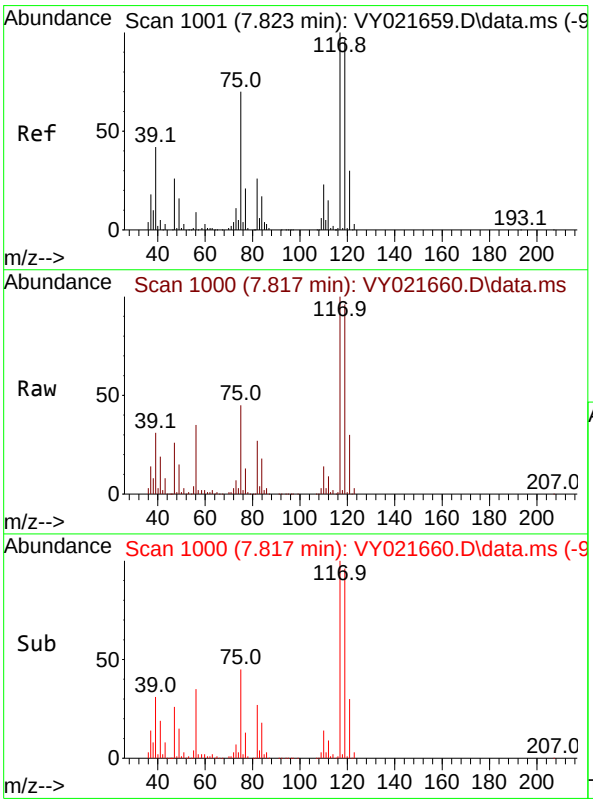
#37
Ethyl Acetate
Concen: 90.529 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 160700

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.6
70	10.2	8.1	12.1

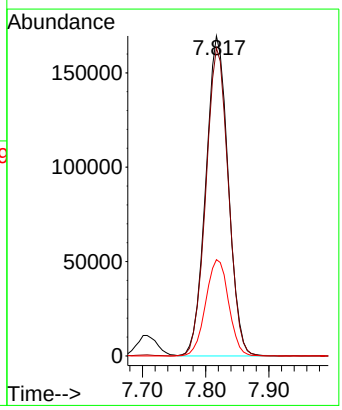


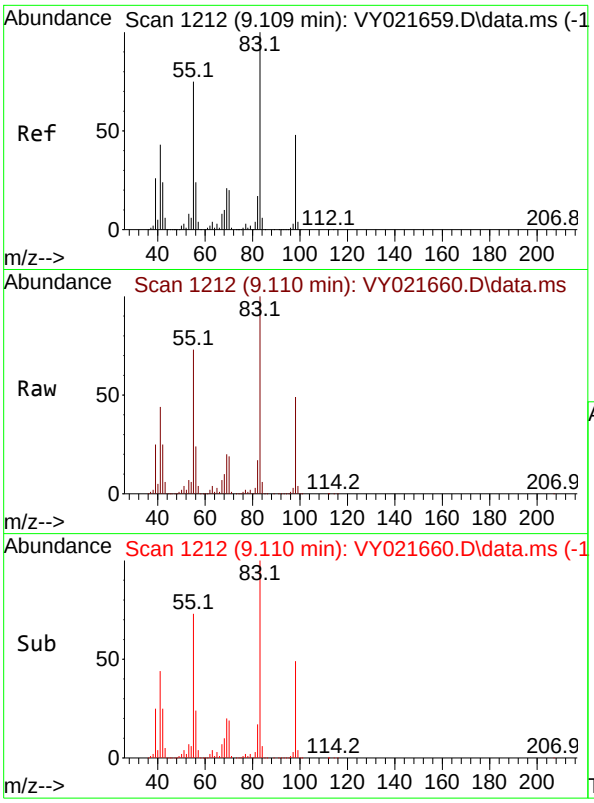


#38
Carbon Tetrachloride
Concen: 96.746 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 416779

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.4
121	30.1	24.2	36.4



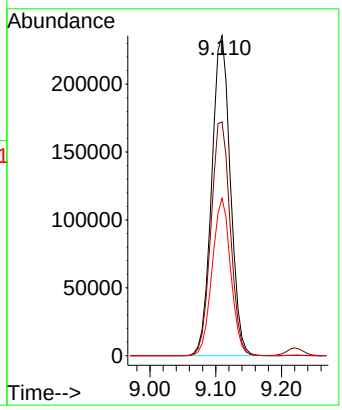


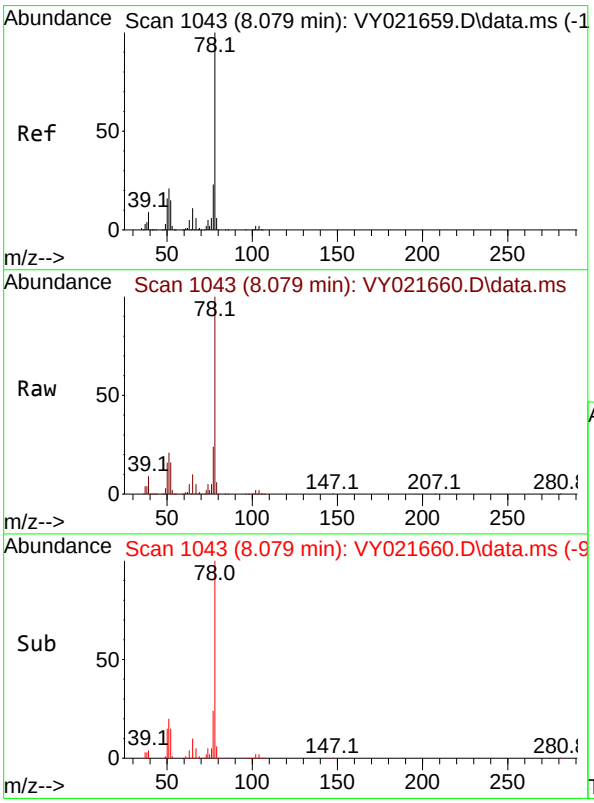
#39
Methylcyclohexane
Concen: 103.663 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 465789

Ion	Ratio	Lower	Upper
83	100		
55	73.0	59.7	89.5
98	49.2	38.3	57.5

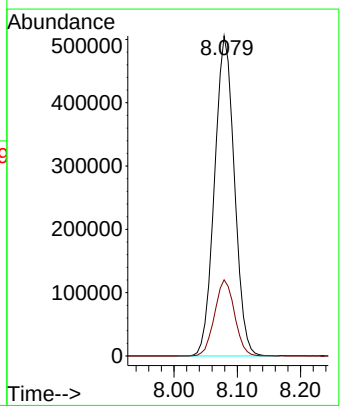


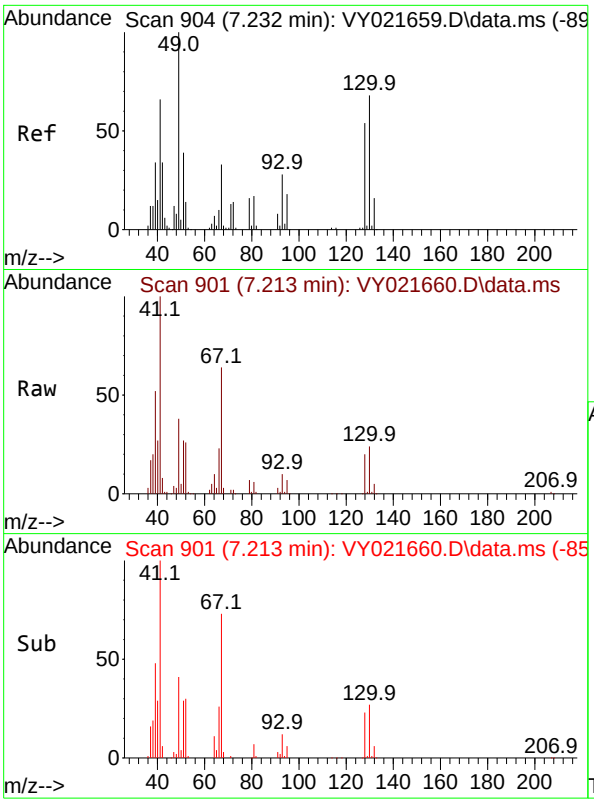


#40
Benzene
Concen: 97.692 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 78 Resp: 1100425

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



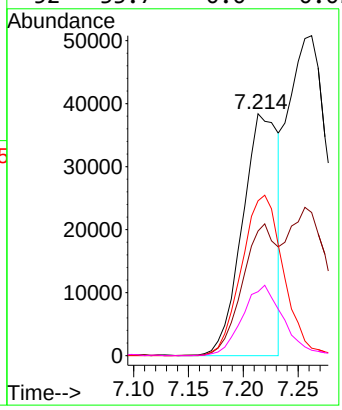


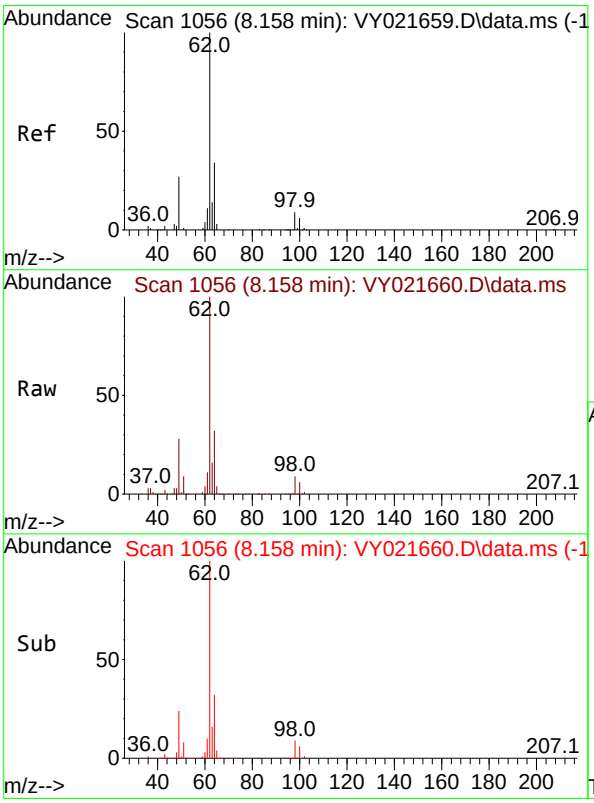
#41
Methacrylonitrile
Concen: 92.176 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 86888

Ion	Ratio	Lower	Upper
41	100		
39	52.8	0.0	0.0#
67	78.1	0.0	0.0#
52	33.7	0.0	0.0#

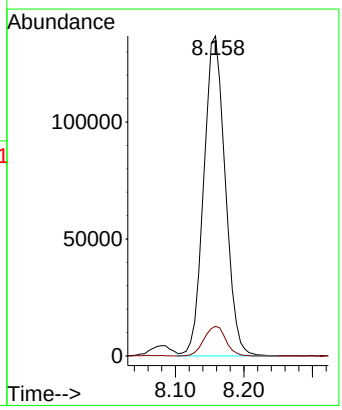


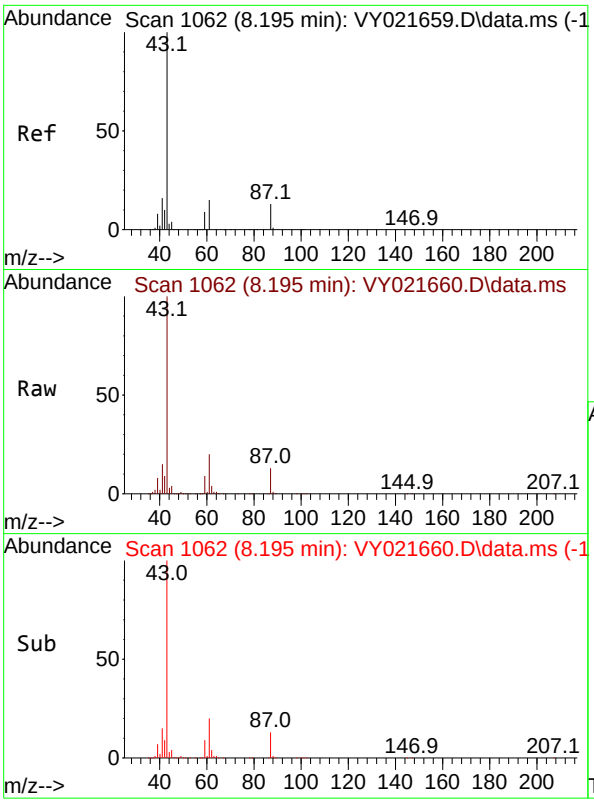


#42
1,2-Dichloroethane
Concen: 93.952 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 298349

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4



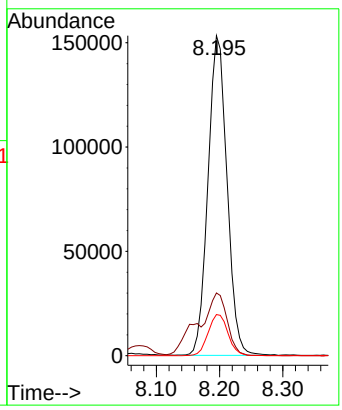


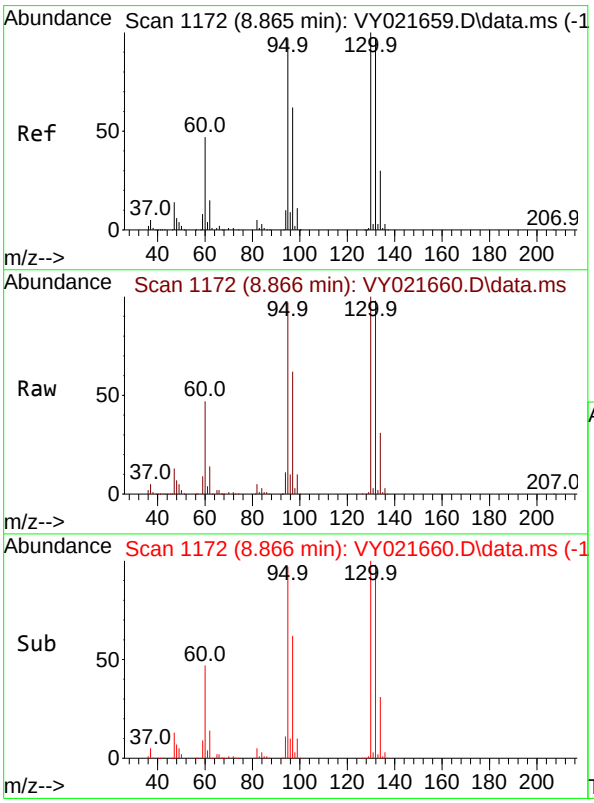
#43
Isopropyl Acetate
Concen: 95.153 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 320092

Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.9	23.9
87	13.4	10.4	15.6

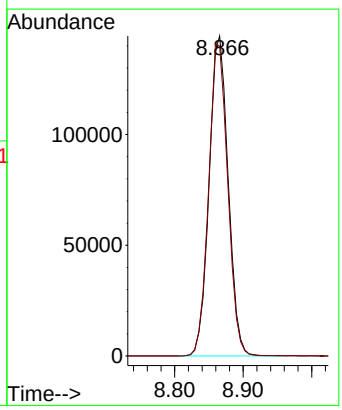


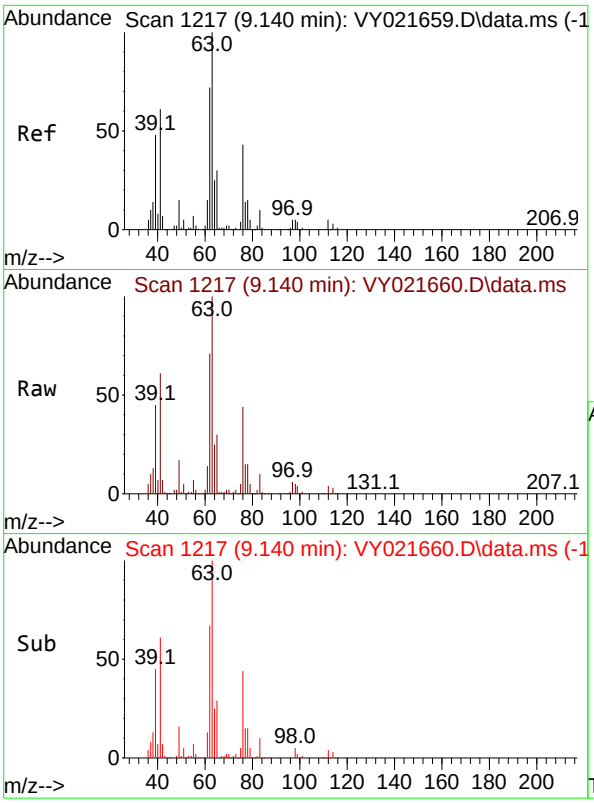


#44
Trichloroethene
Concen: 97.190 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:130 Resp: 278937

Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	194.8



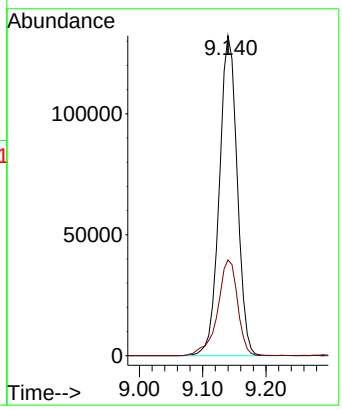


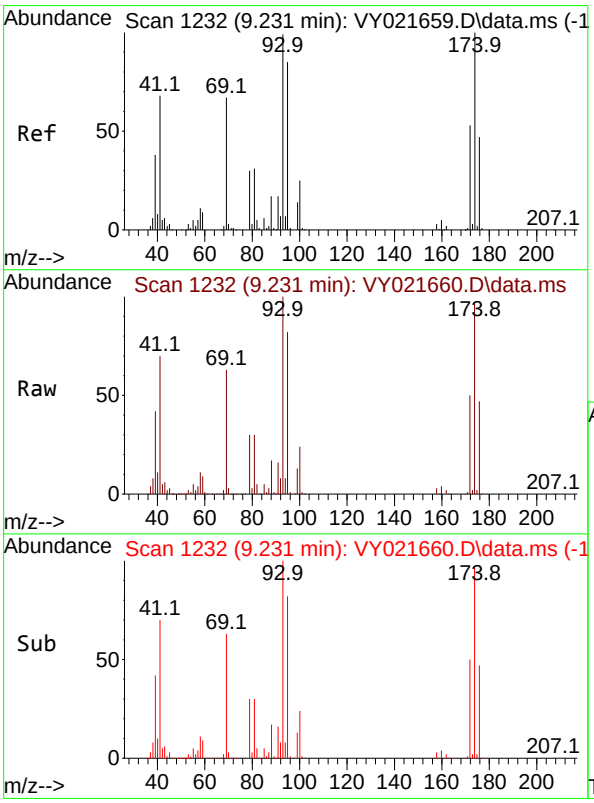
#45
1,2-Dichloropropane
Concen: 97.163 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 259066

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.4	36.6

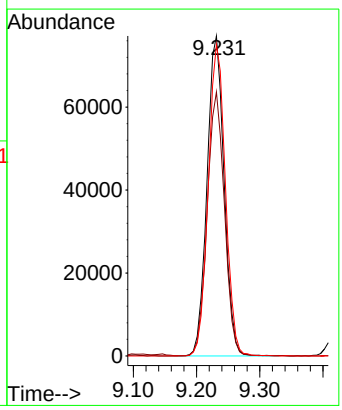


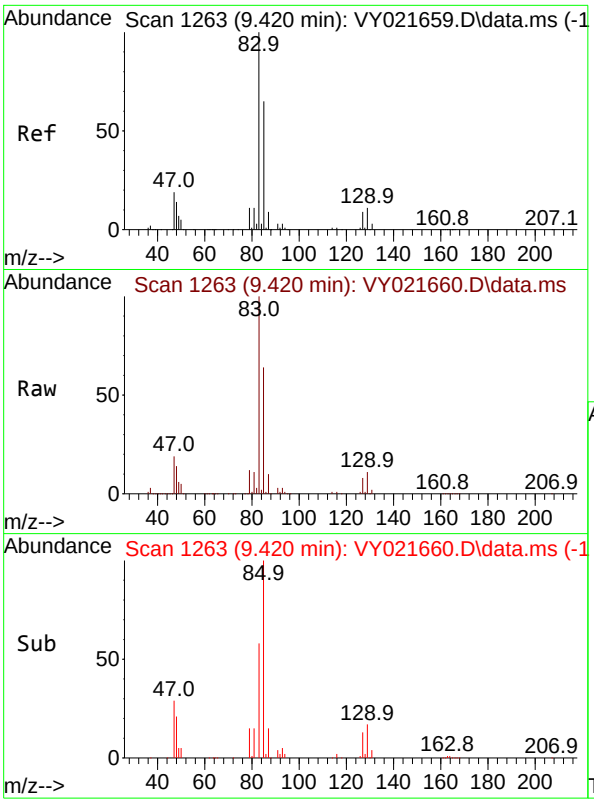


#46
Dibromomethane
Concen: 94.482 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 93 Resp: 145186

Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.1	102.1
174	97.8	80.9	121.3



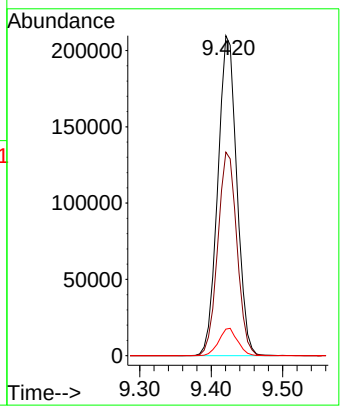


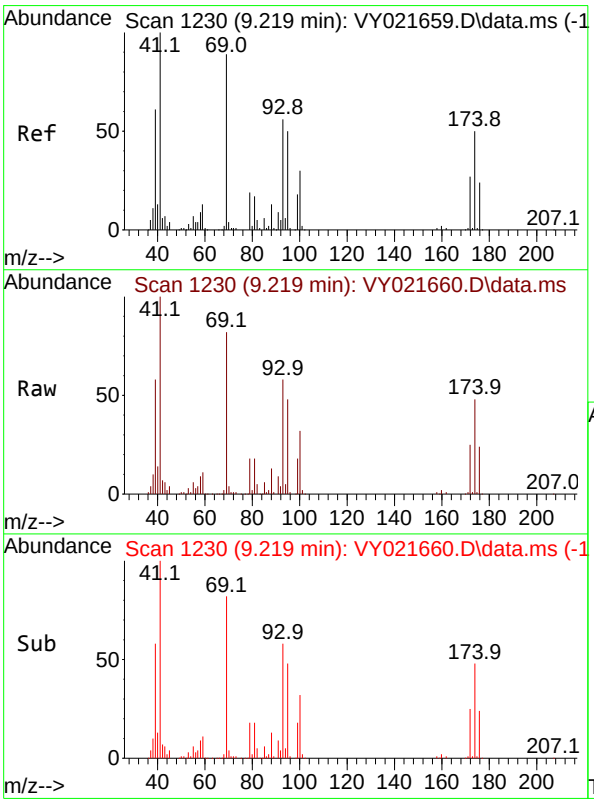
#47
Bromodichloromethane
Concen: 97.159 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 386864

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.3	6.8	10.2

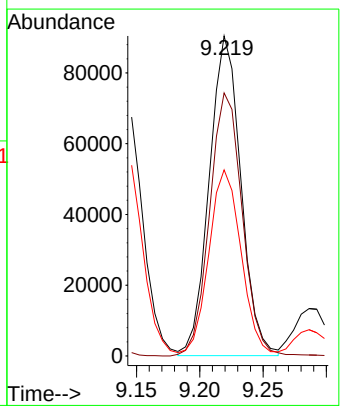


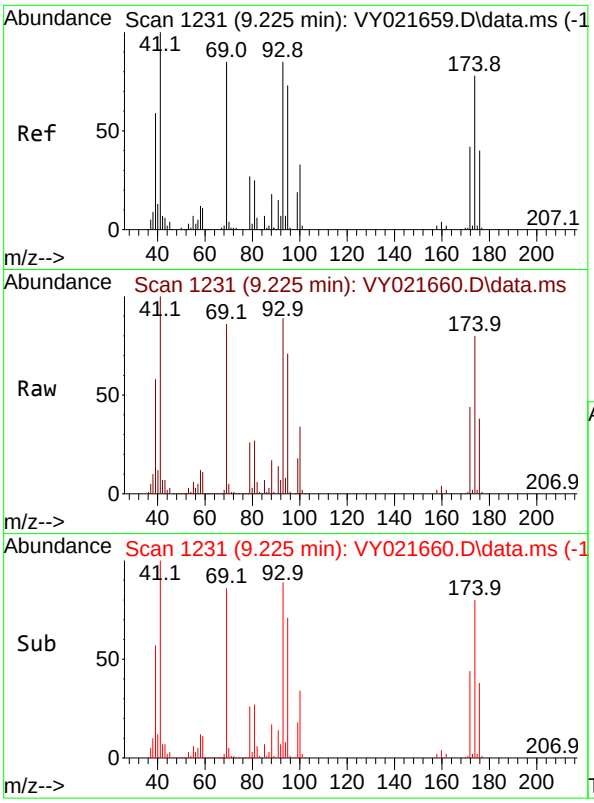


#48
Methyl methacrylate
Concen: 101.718 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 157046

Ion	Ratio	Lower	Upper
41	100		
69	85.0	69.8	104.8
39	57.6	47.2	70.8



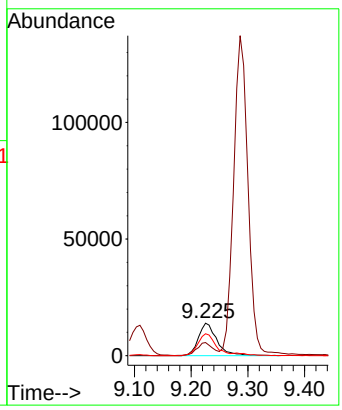


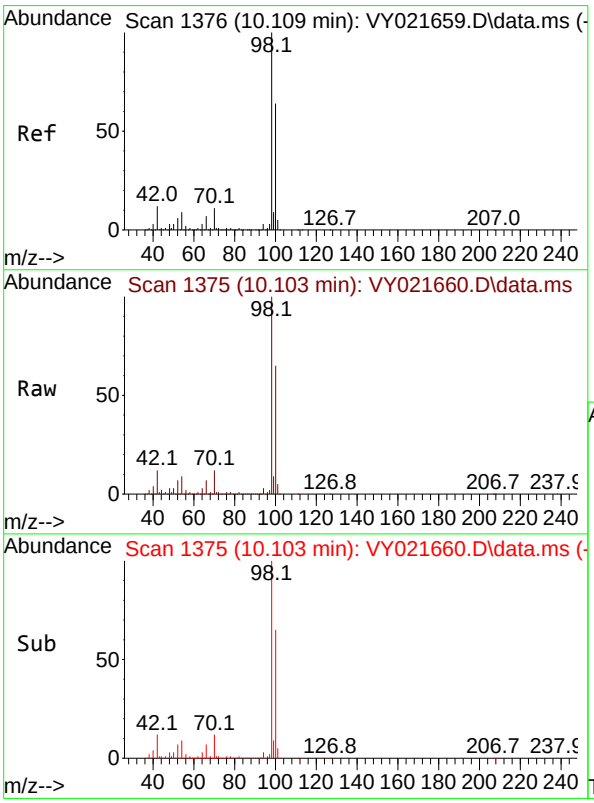
#49
1,4-Dioxane
Concen: 1922.485 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 31647

Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.8	43.2
58	65.5	59.4	89.2

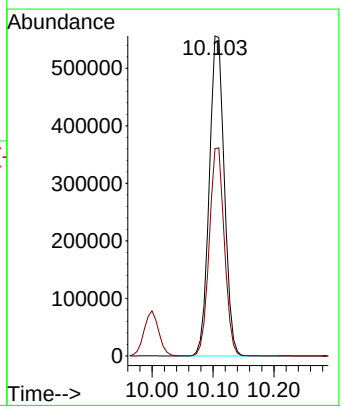


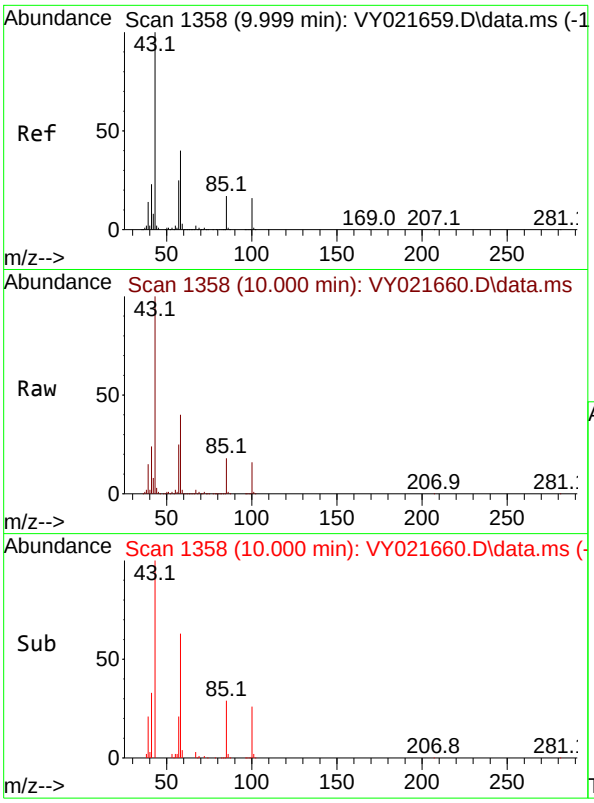


#50
Toluene-d8
Concen: 101.480 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 98 Resp: 953346

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1



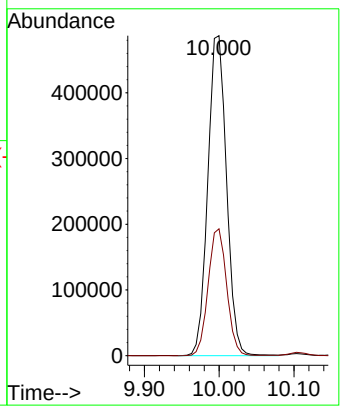


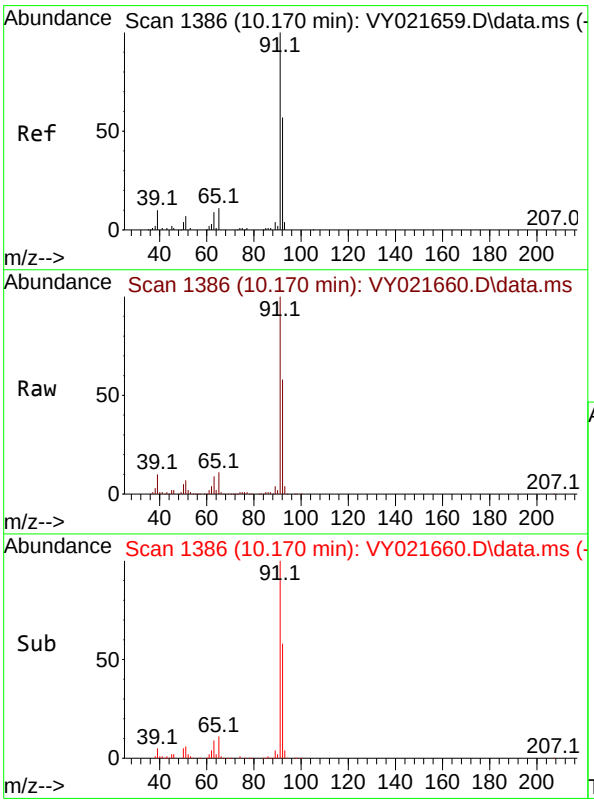
#51
4-Methyl-2-Pentanone
Concen: 483.331 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 846126

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3

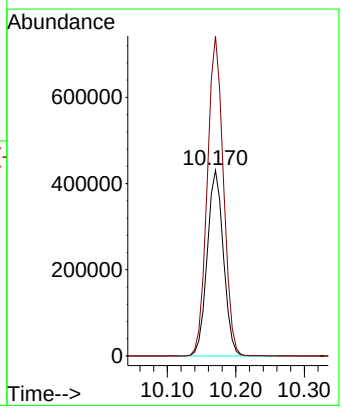


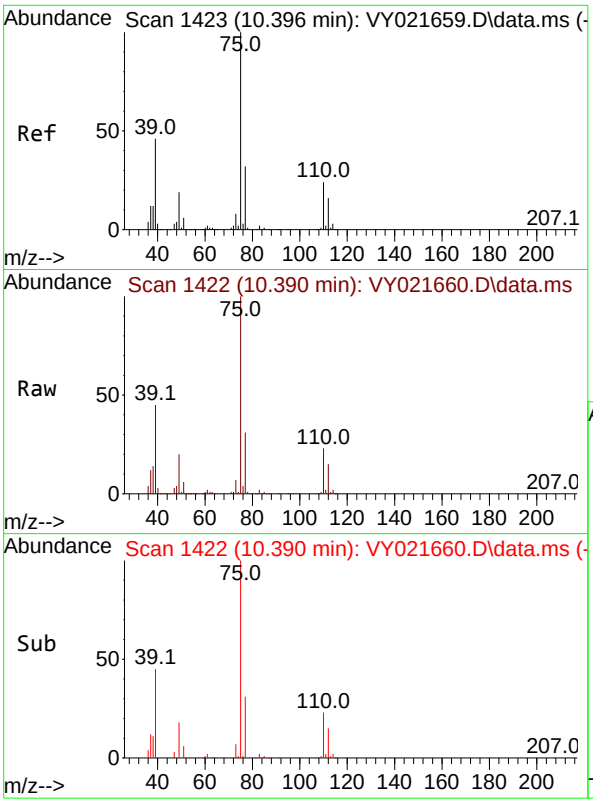


#52
Toluene
Concen: 100.486 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 92 Resp: 706197

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8



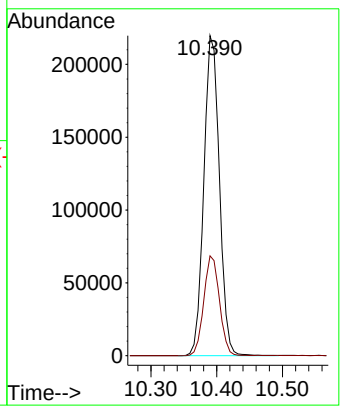


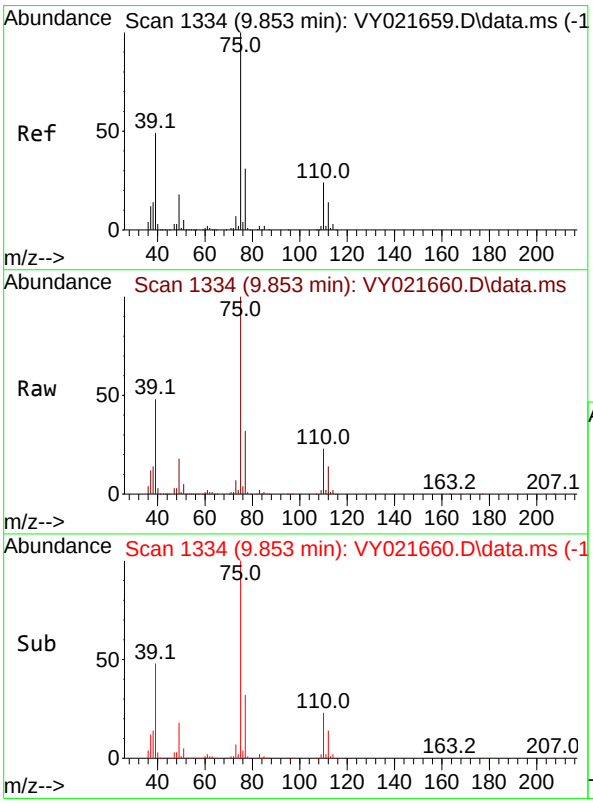
#53
t-1,3-Dichloropropene
Concen: 102.153 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 361283

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9

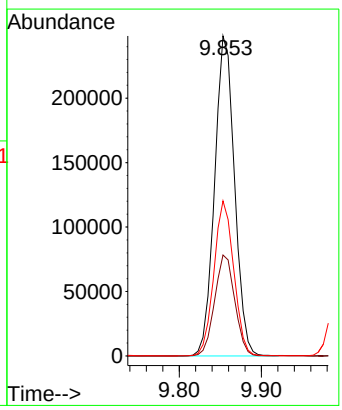


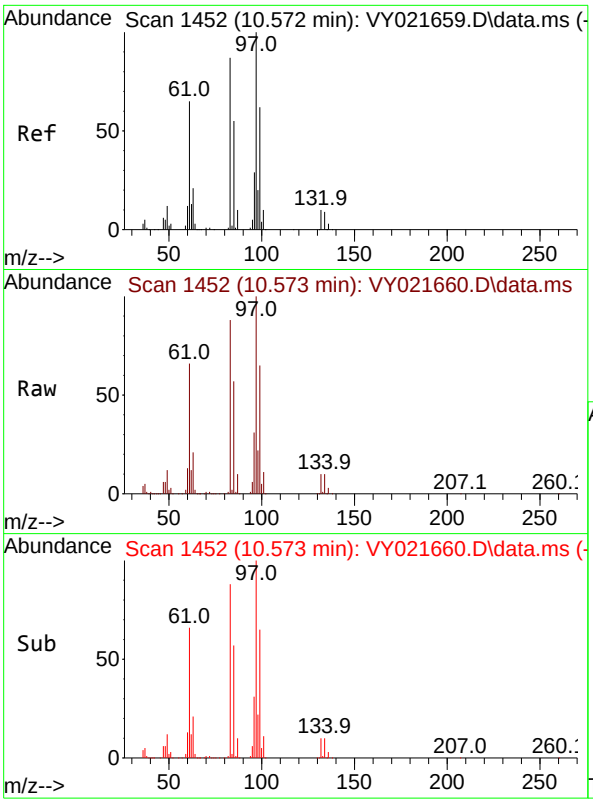


#54
cis-1,3-Dichloropropene
Concen: 100.208 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 418099

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	48.4	39.2	58.8



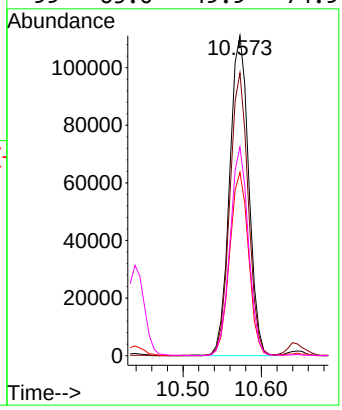


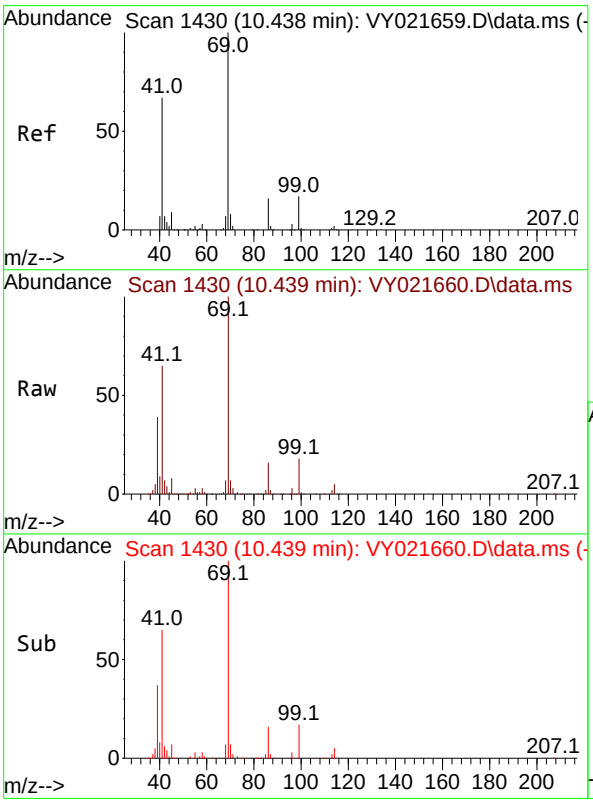
#55
1,1,2-Trichloroethane
Concen: 95.058 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 187977

Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.5	104.3
85	57.3	43.9	65.9
99	65.0	49.9	74.9

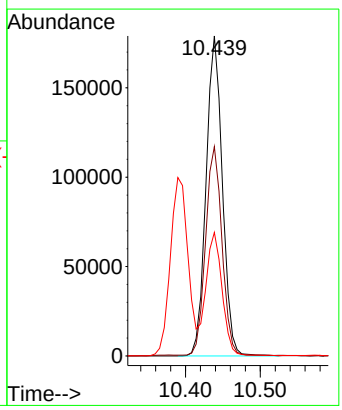


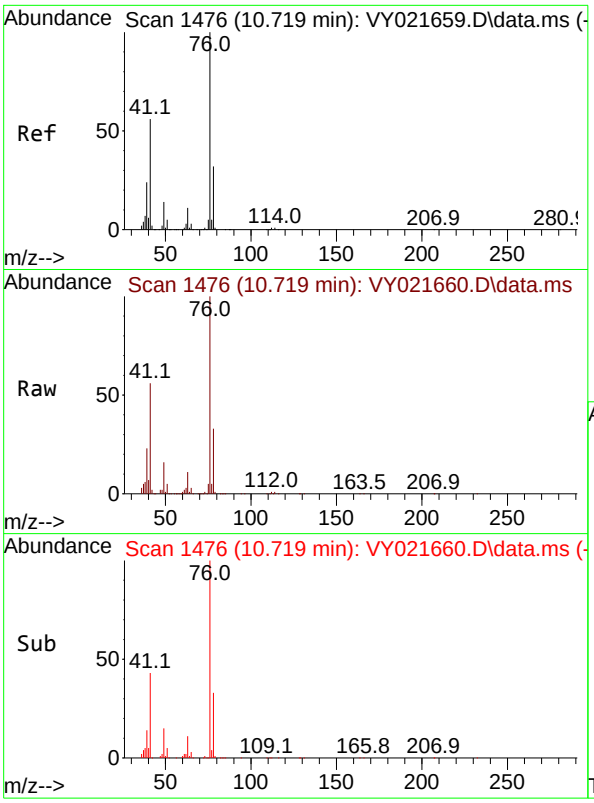


#56
Ethyl methacrylate
Concen: 107.339 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 69 Resp: 271036

Ion	Ratio	Lower	Upper
69	100		
41	65.6	53.8	80.6
39	38.6	29.6	44.4



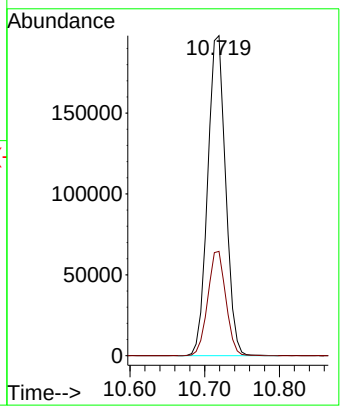


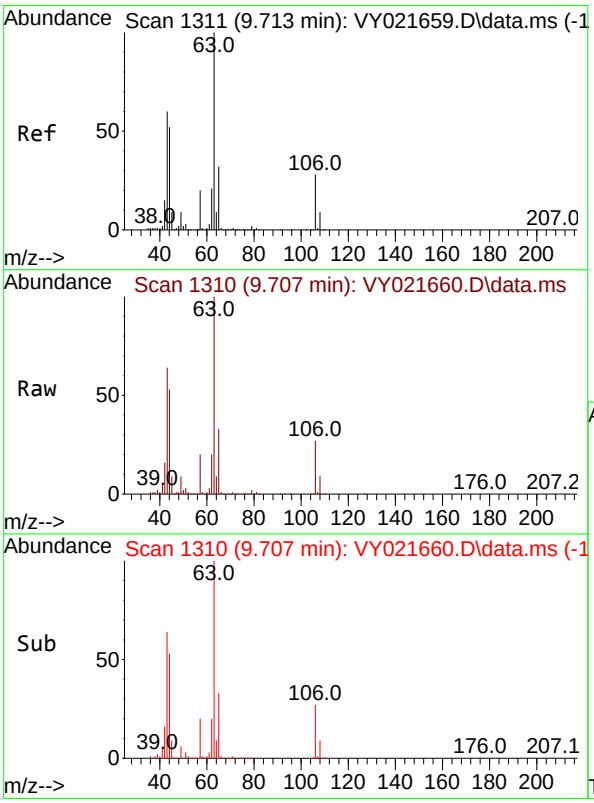
#57
1,3-Dichloropropane
Concen: 96.352 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 329063

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

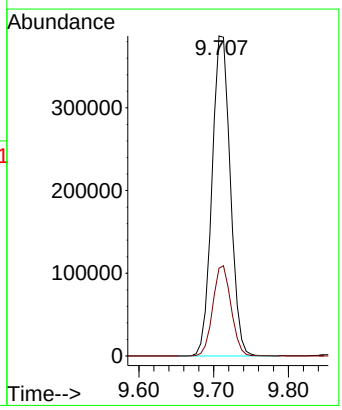


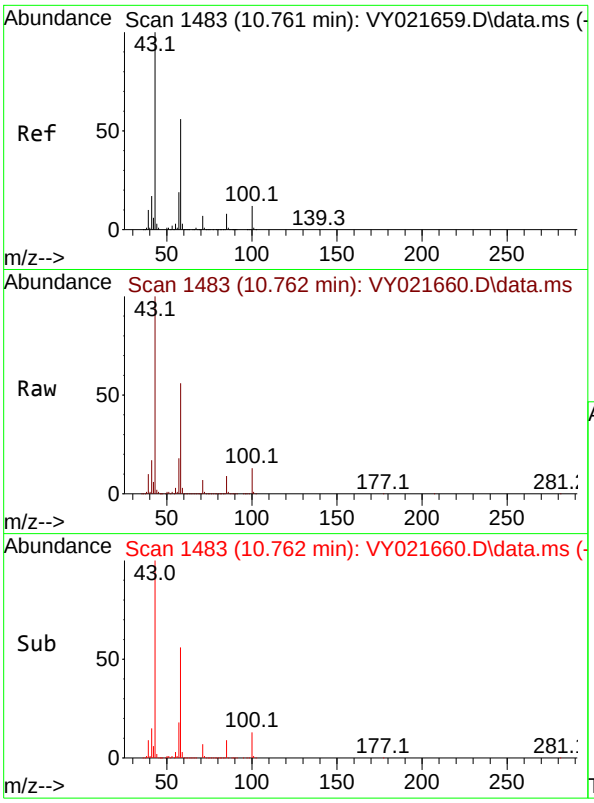


#58
2-Chloroethyl Vinyl ether
Concen: 534.142 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 657953

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.4	33.6



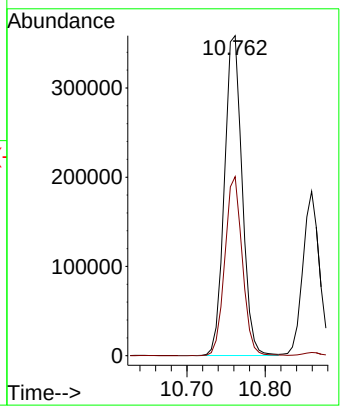


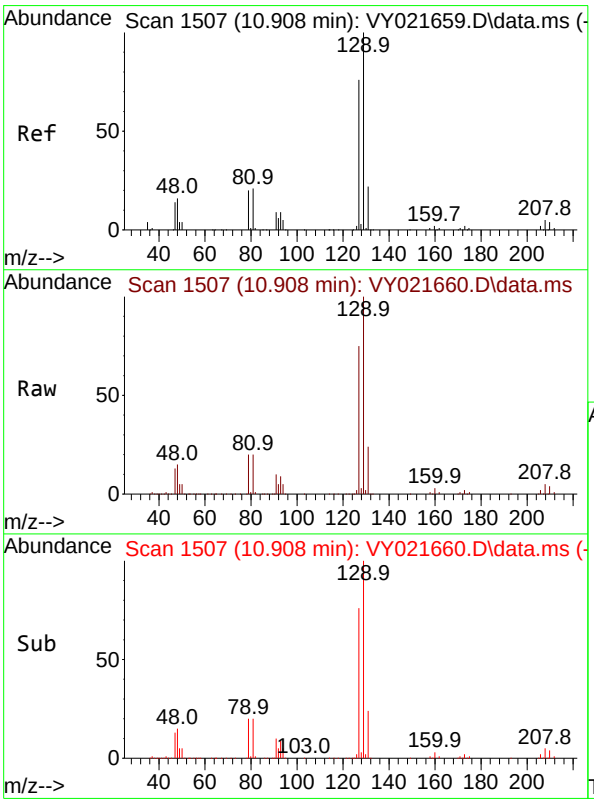
#59
2-Hexanone
Concen: 484.686 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 565086

Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.2	81.5

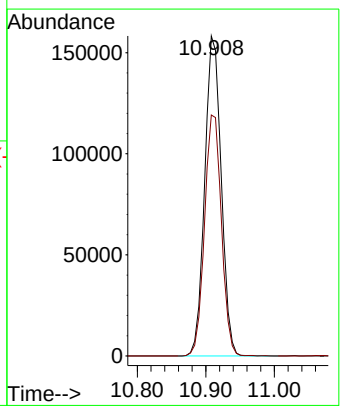


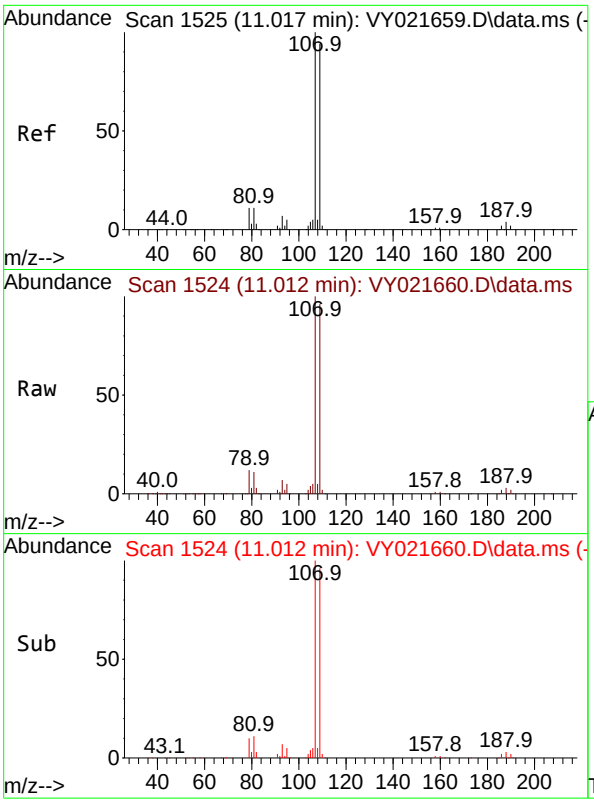


#60
Dibromochloromethane
Concen: 98.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:129 Resp: 265151

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.7



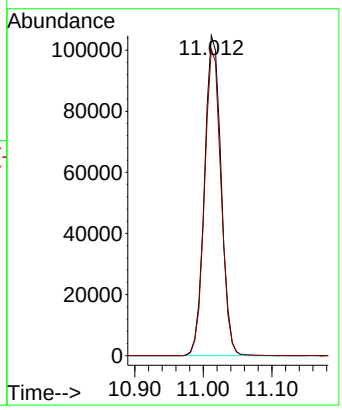


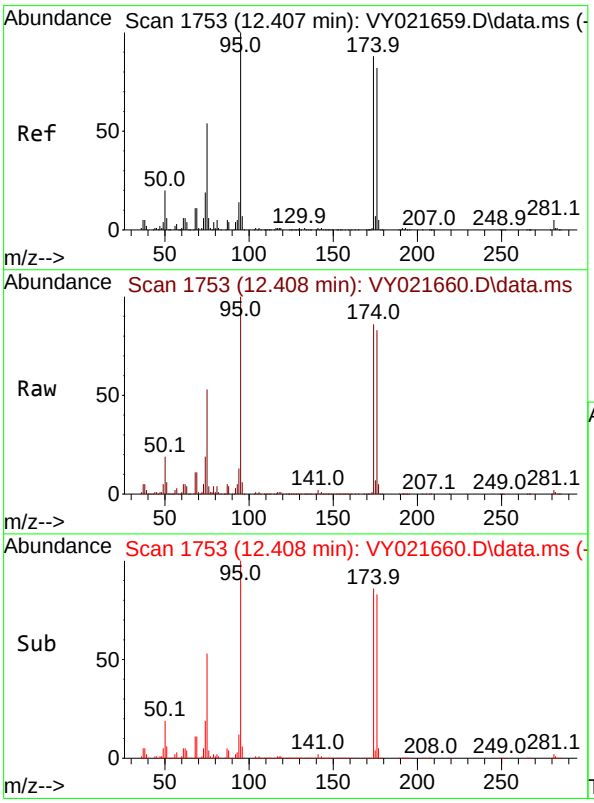
#61
1,2-Dibromoethane
Concen: 95.501 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 177158

Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.4	111.6

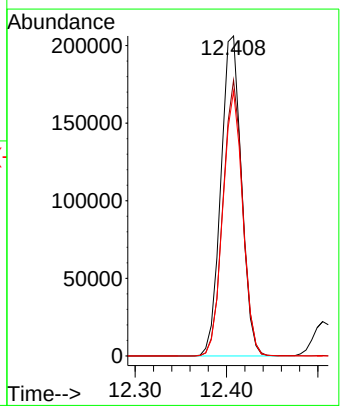


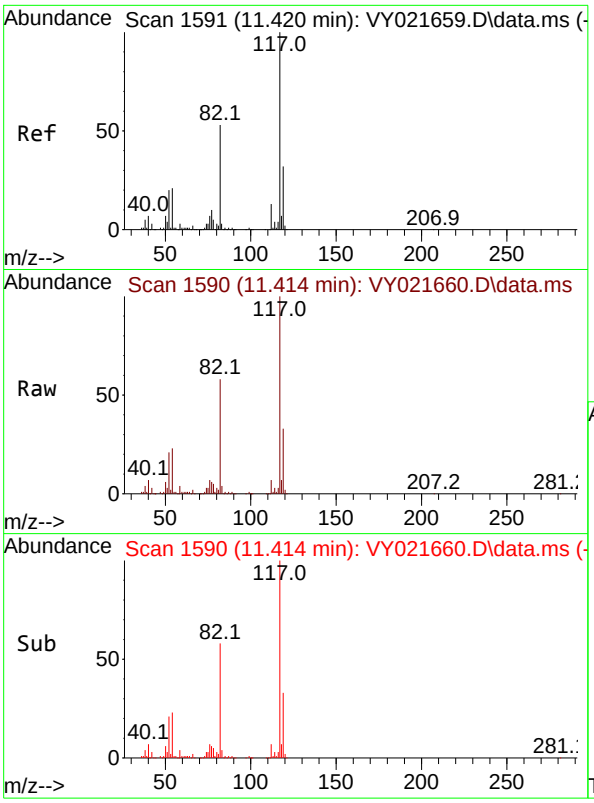


#62
4-Bromofluorobenzene
Concen: 101.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 95 Resp: 322469

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	170.8
176	79.9	0.0	162.0



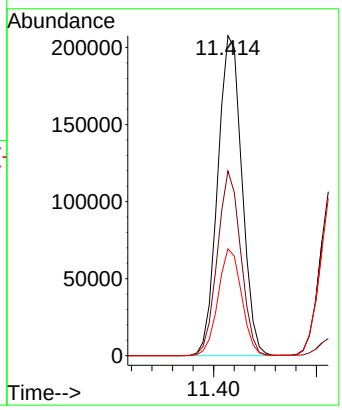


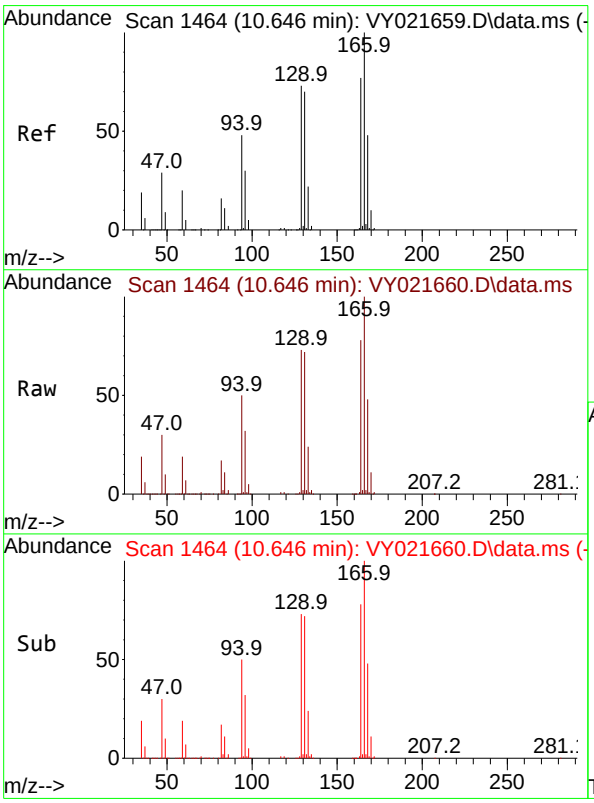
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 339201

Ion	Ratio	Lower	Upper
117	100		
82	57.7	42.8	64.2
119	33.4	25.7	38.5

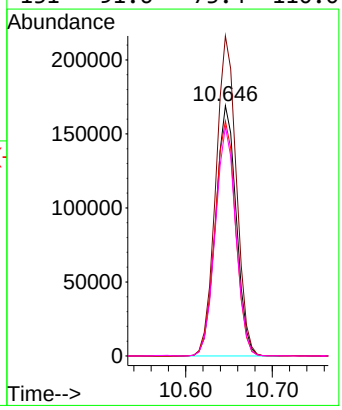


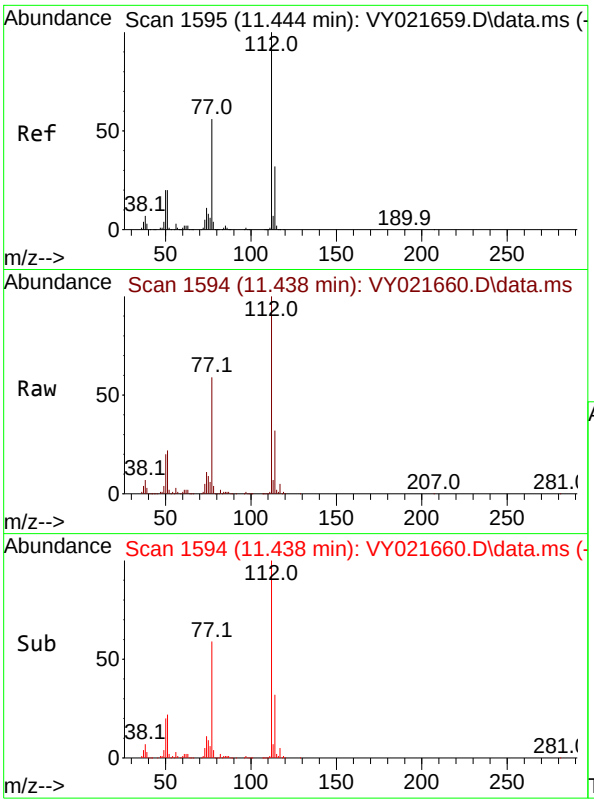


#64
Tetrachloroethene
Concen: 90.401 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:164 Resp: 279279

Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.6	156.8
129	93.9	76.6	114.8
131	91.6	73.4	110.0



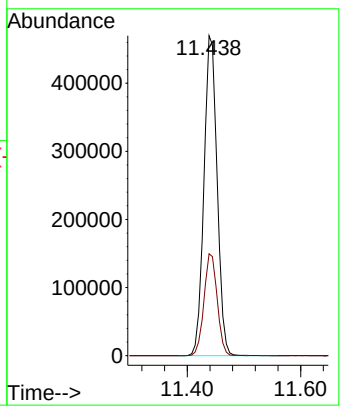


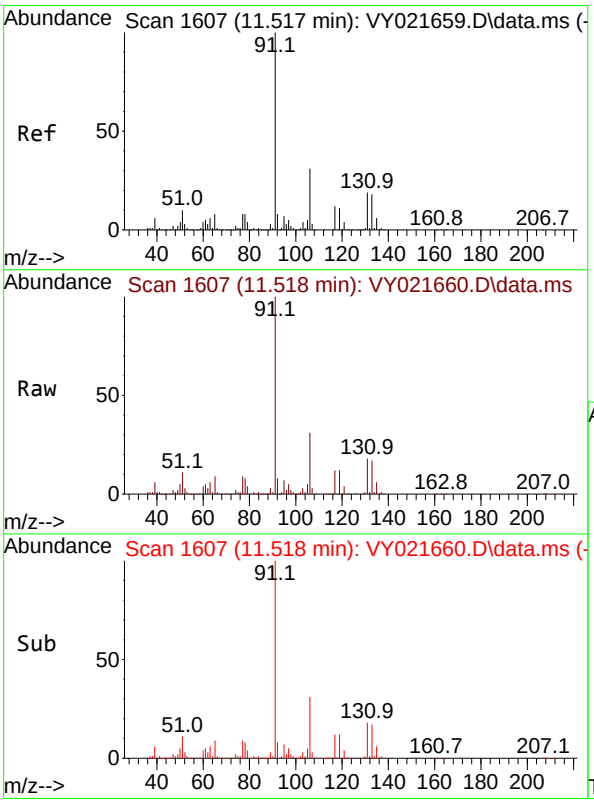
#65
Chlorobenzene
Concen: 97.381 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 757197

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.9	38.9

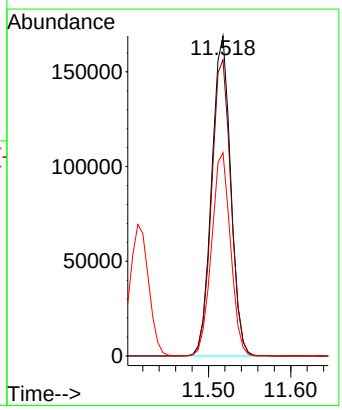


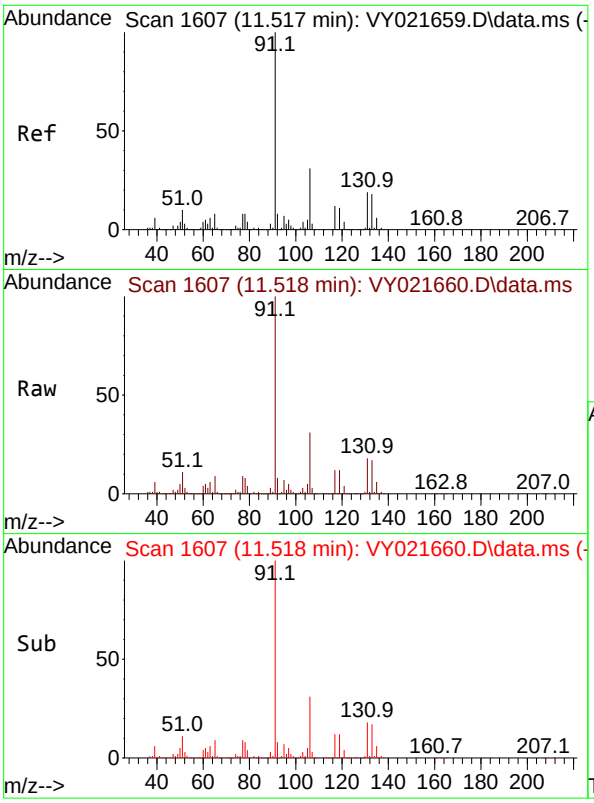


#66
1,1,1,2-Tetrachloroethane
Concen: 98.275 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:131 Resp: 271119

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	141.8
119	63.6	31.6	95.0



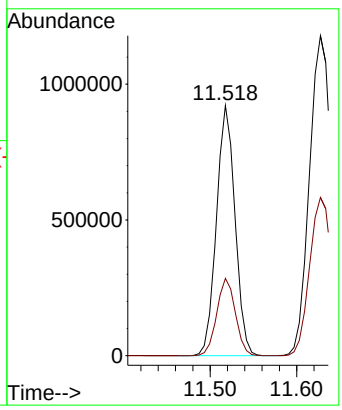


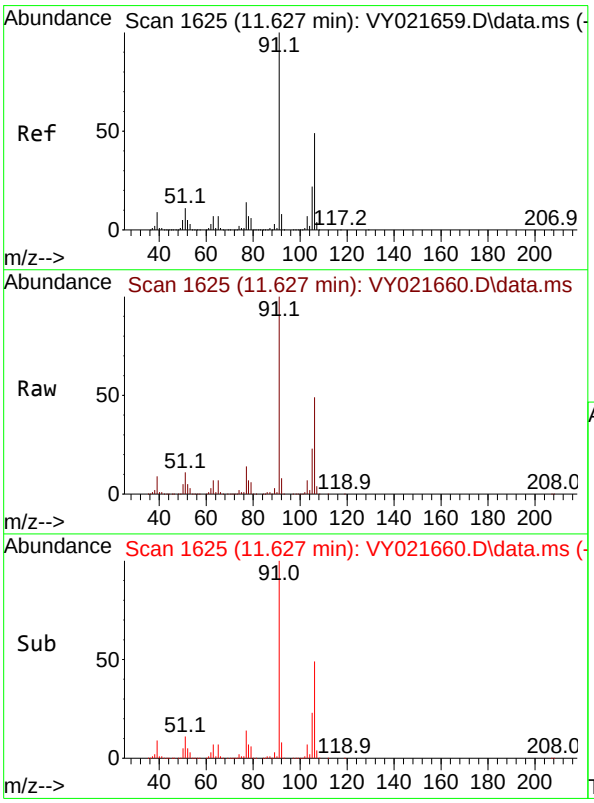
#67
Ethyl Benzene
Concen: 102.918 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1372249

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8

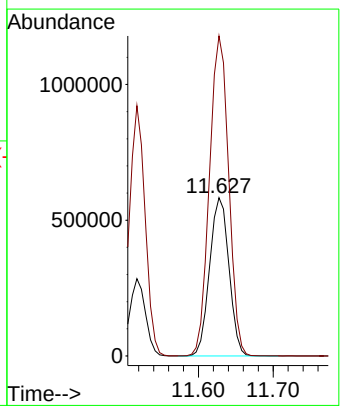


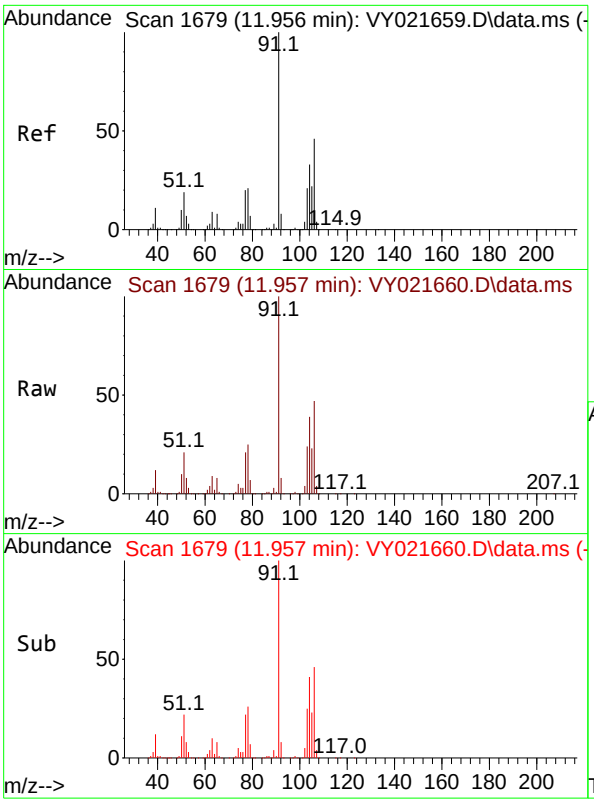


#68
m/p-Xylenes
Concen: 205.681 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:106 Resp: 1050156

Ion	Ratio	Lower	Upper
106	100		
91	201.4	162.4	243.6



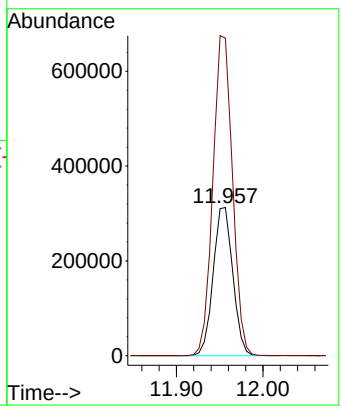


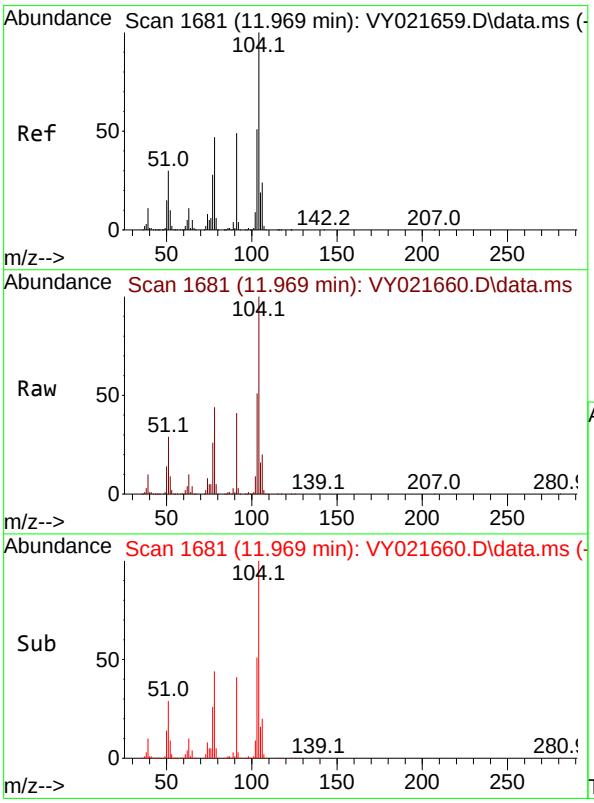
#69
o-Xylene
Concen: 104.369 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 491895

Ion	Ratio	Lower	Upper
106	100		
91	215.9	106.7	319.9

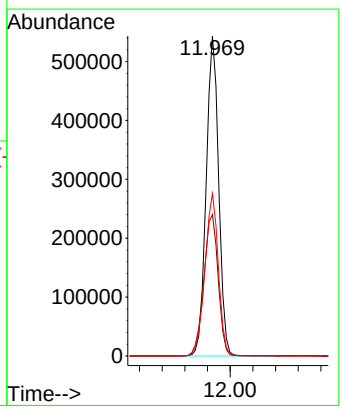


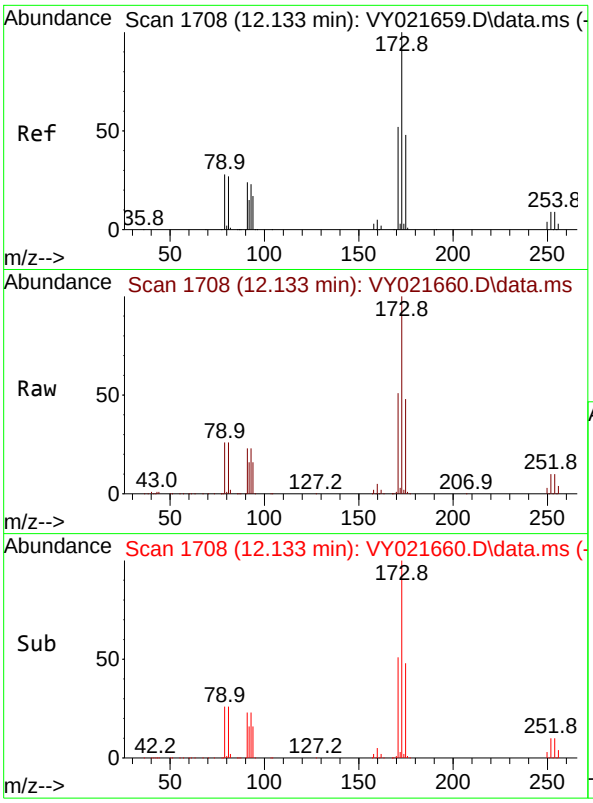


#70
Styrene
Concen: 106.098 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:104 Resp: 833734

Ion	Ratio	Lower	Upper
104	100		
78	50.5	40.8	61.2
103	54.6	44.2	66.2



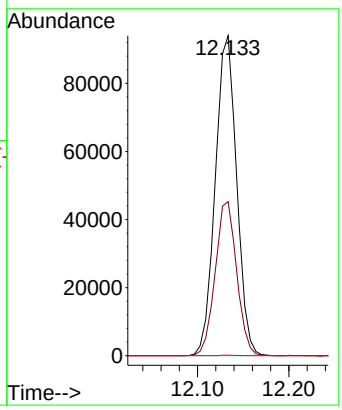


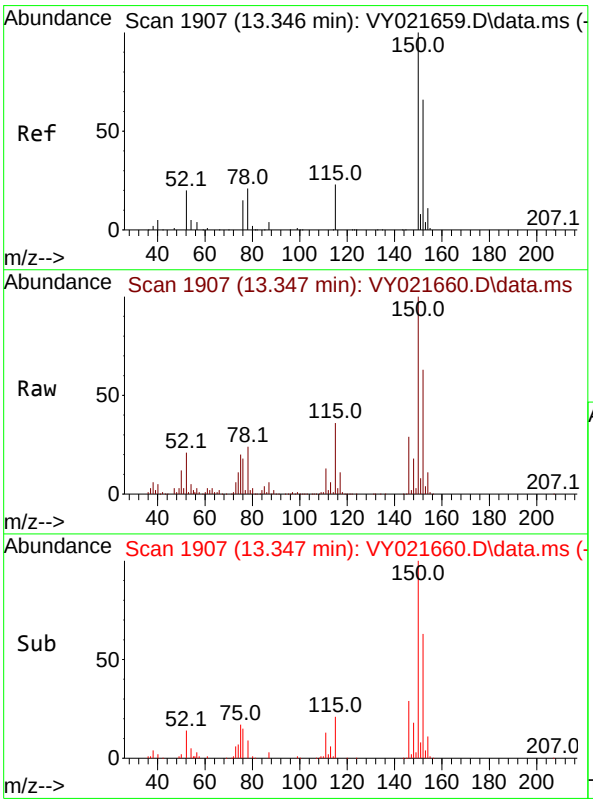
#71
Bromoform
Concen: 97.024 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 152683

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.1	0.1	0.1

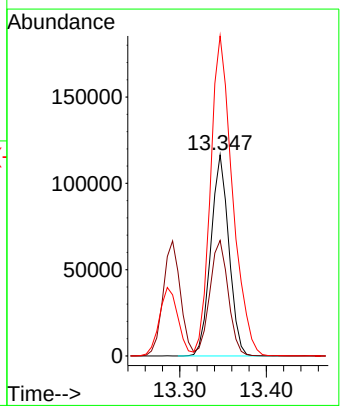


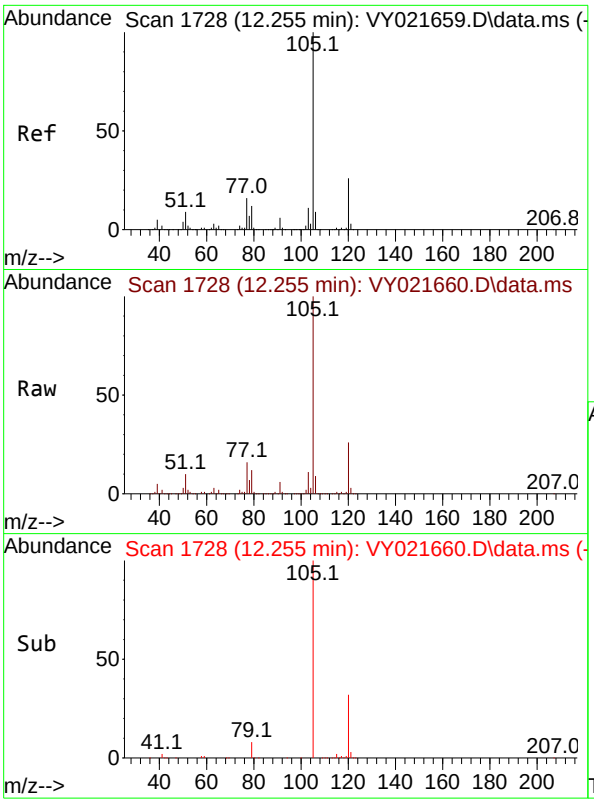


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:152 Resp: 168901

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	193.6	0.0	348.4



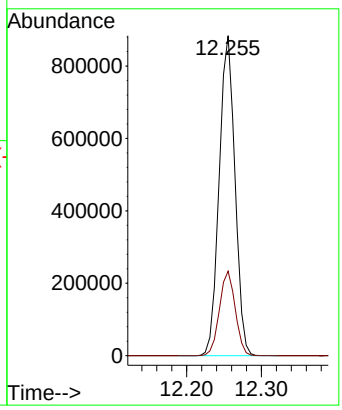


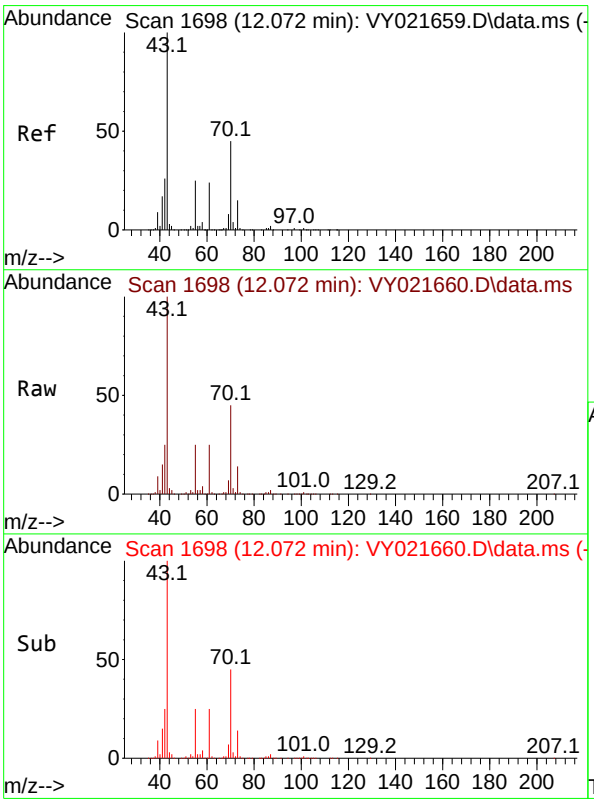
#73
Isopropylbenzene
Concen: 103.486 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1298221

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

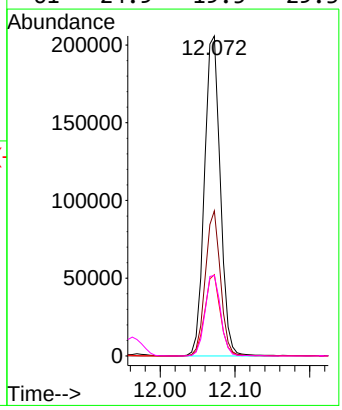


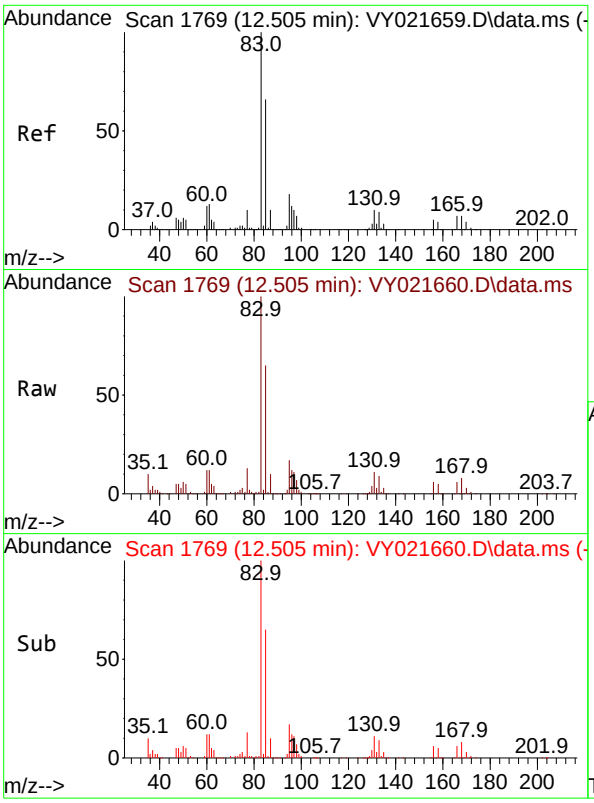


#74
N-amyl acetate
Concen: 103.027 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 303328

Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.7	52.1
55	25.1	21.2	31.8
61	24.9	19.5	29.3



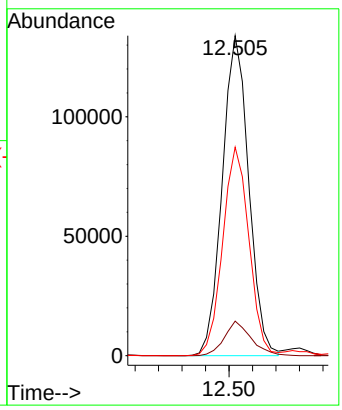


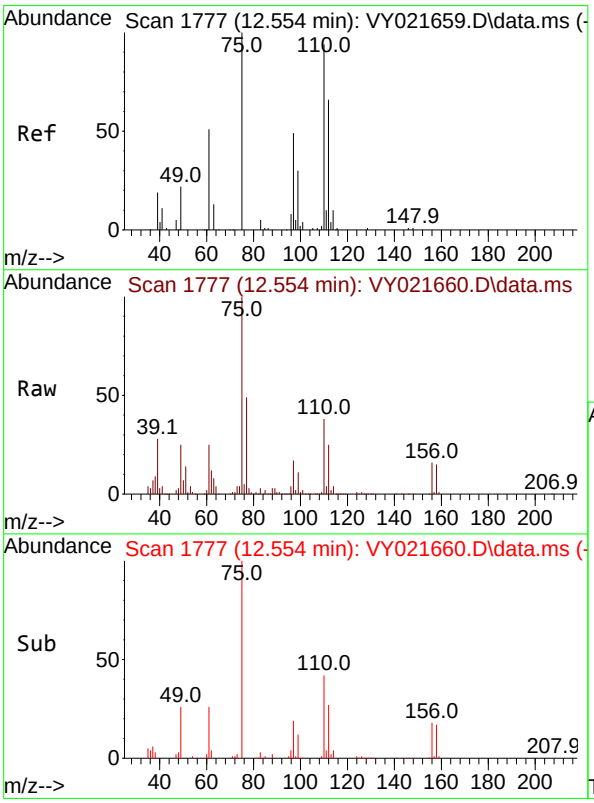
#75
1,1,2,2-Tetrachloroethane
Concen: 92.706 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 209094

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.3
85	64.7	32.3	96.8

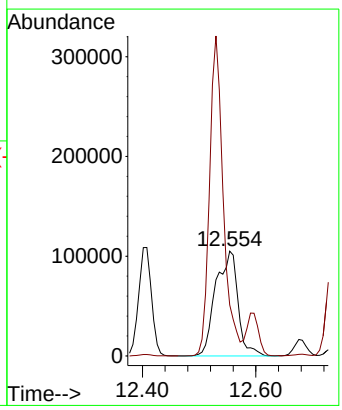


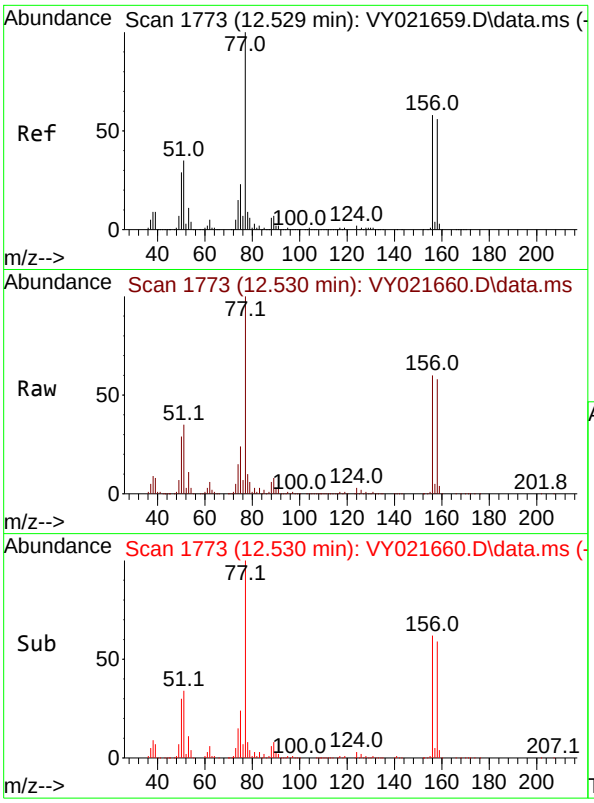


#76
1,2,3-Trichloropropane
Concen: 170.792 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 285947

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



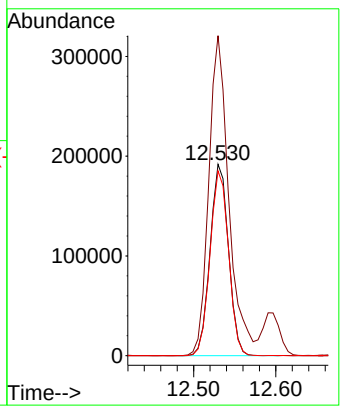


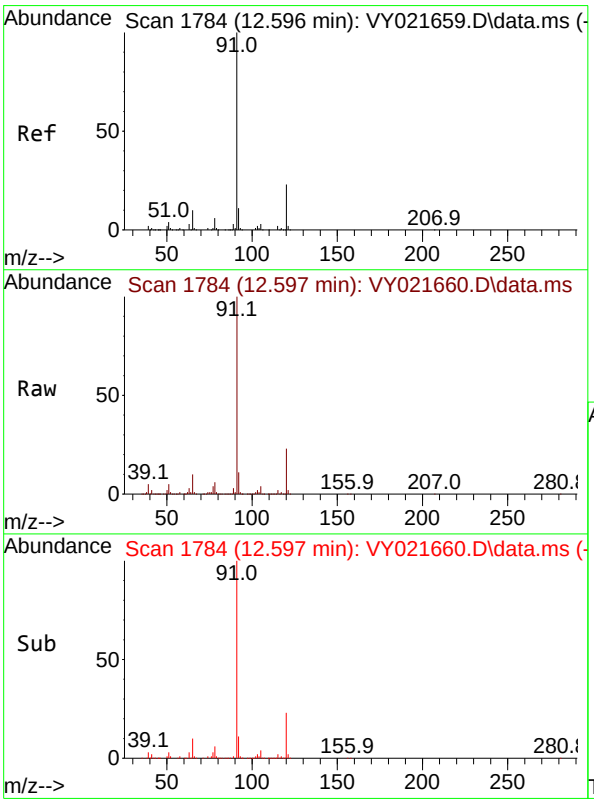
#77
Bromobenzene
Concen: 99.323 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 299163

Ion	Ratio	Lower	Upper
156	100		
77	181.1	92.8	278.3
158	96.8	48.5	145.6

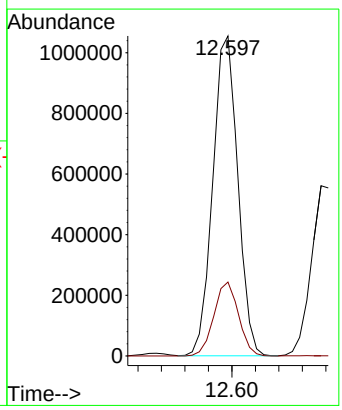


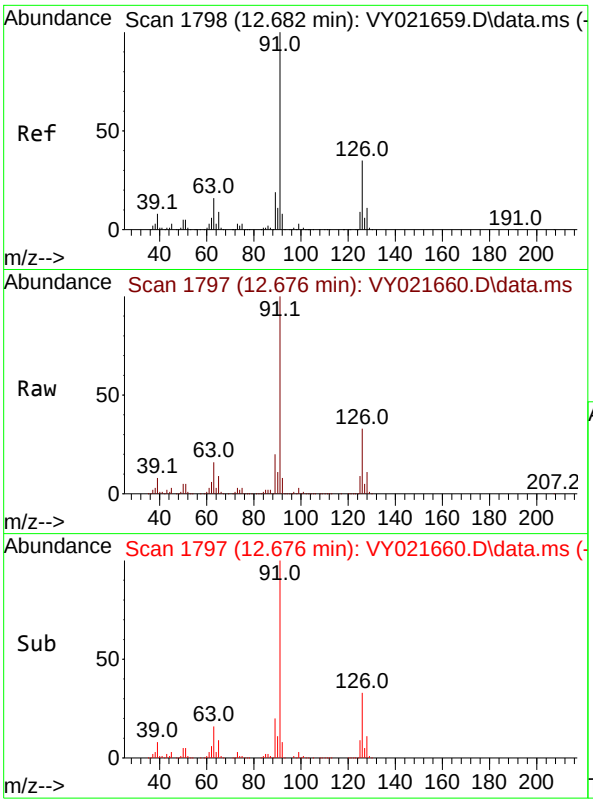


#78
n-propylbenzene
Concen: 103.290 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 1557825

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9



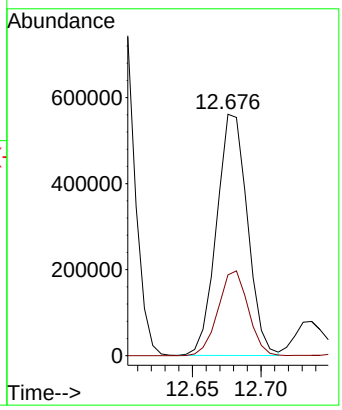


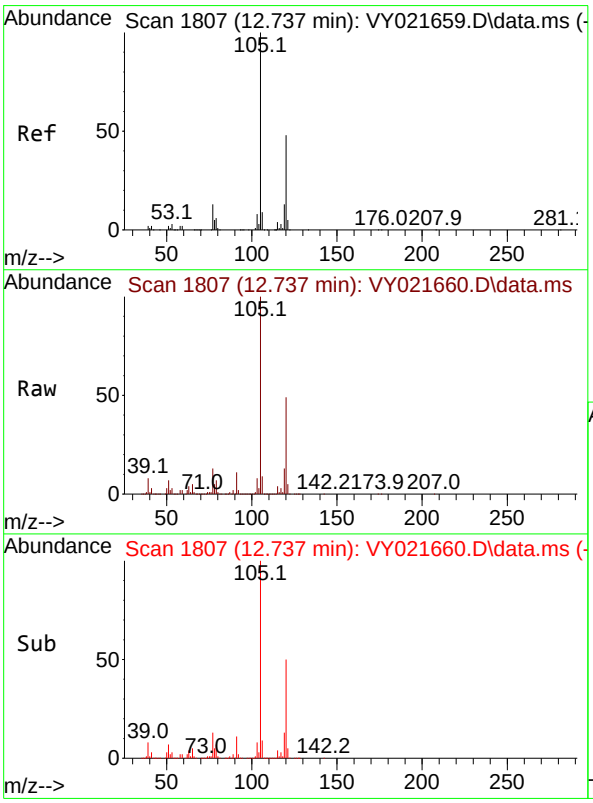
#79
2-Chlorotoluene
Concen: 100.382 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 879334

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0

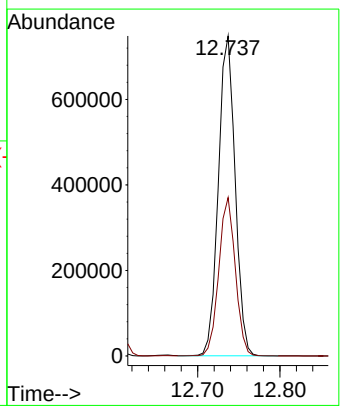


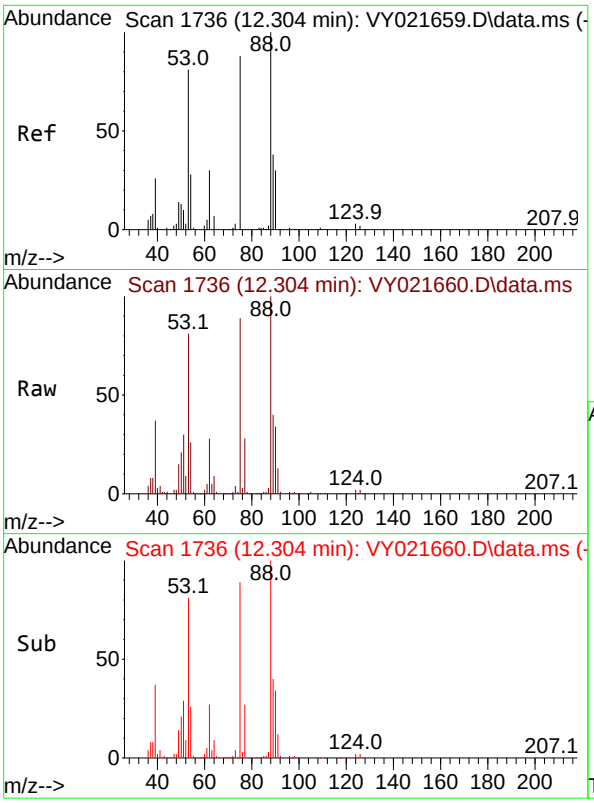


#80
1,3,5-Trimethylbenzene
Concen: 103.480 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1060963

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.5	73.5



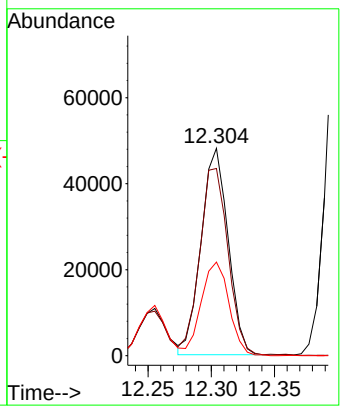


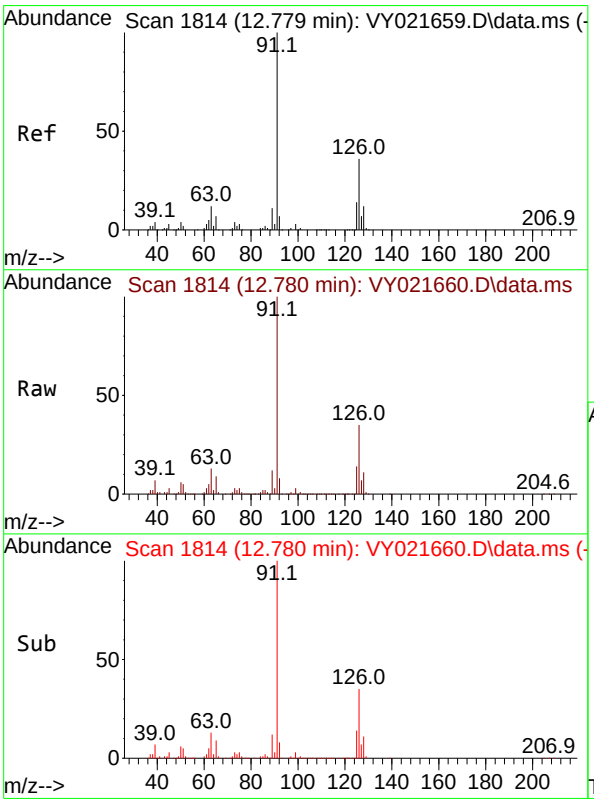
#81
trans-1,4-Dichloro-2-butene
Concen: 98.330 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 71448

Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.1	114.1
89	46.1	36.2	54.4

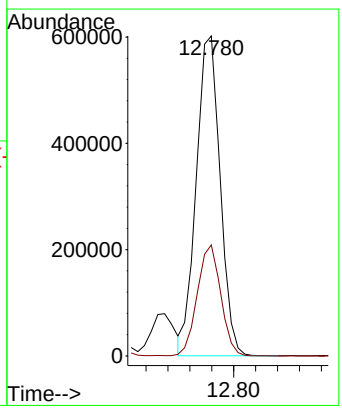


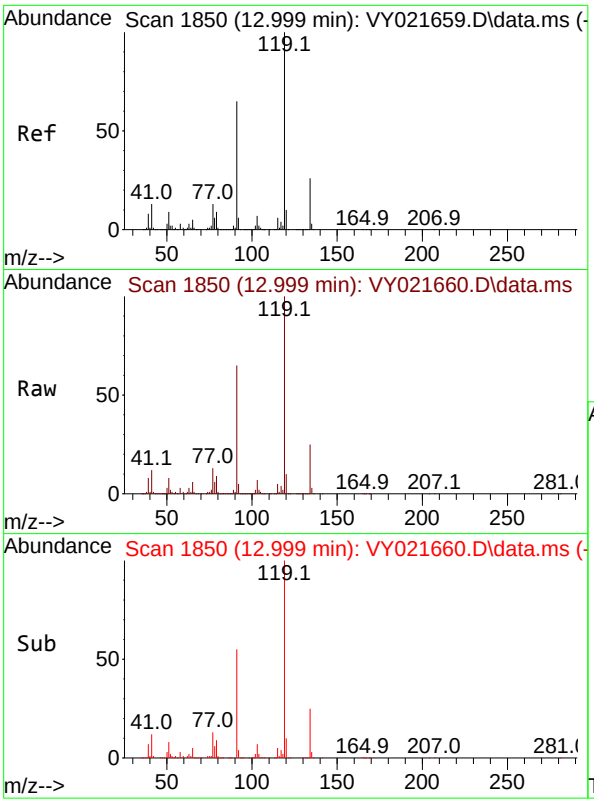


#82
4-Chlorotoluene
Concen: 99.676 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 910295

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	50.9



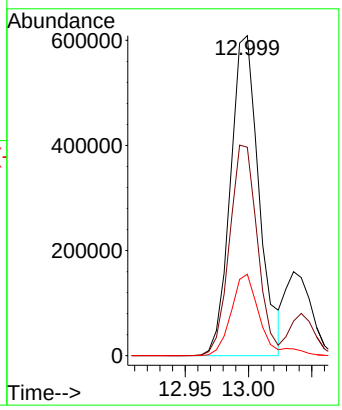


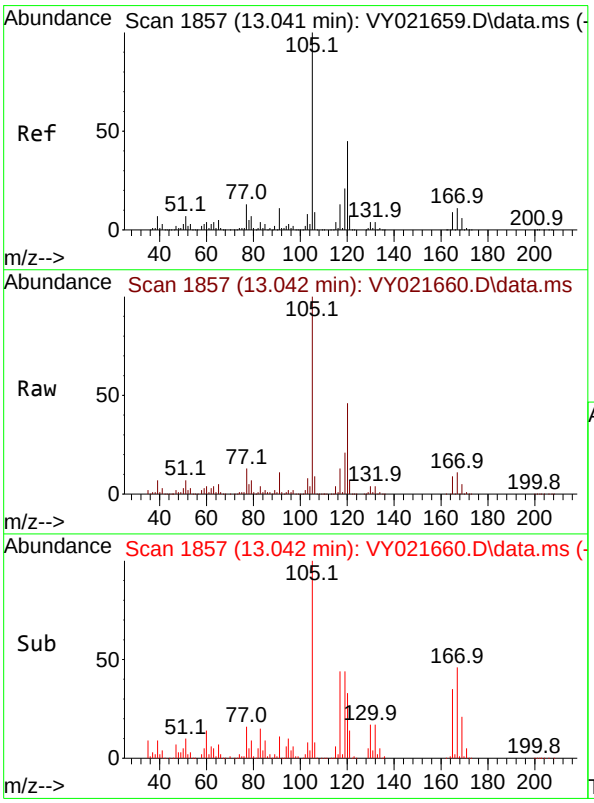
#83
tert-Butylbenzene
Concen: 104.762 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 956705

Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.6	97.7
134	25.8	13.2	39.6

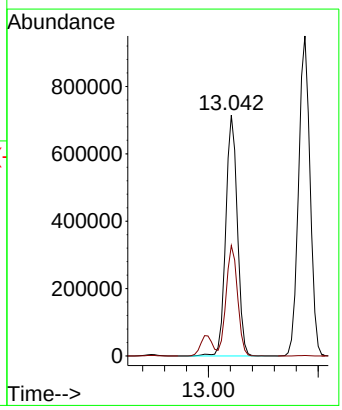


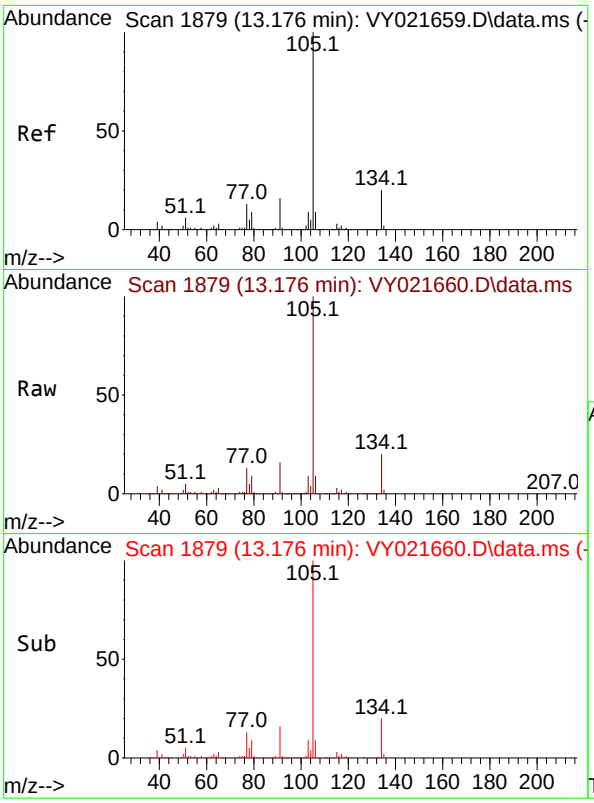


#84
1,2,4-Trimethylbenzene
Concen: 103.880 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1052663

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.1



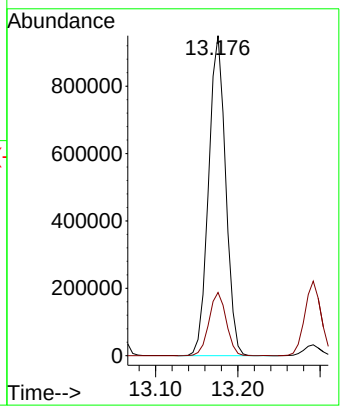


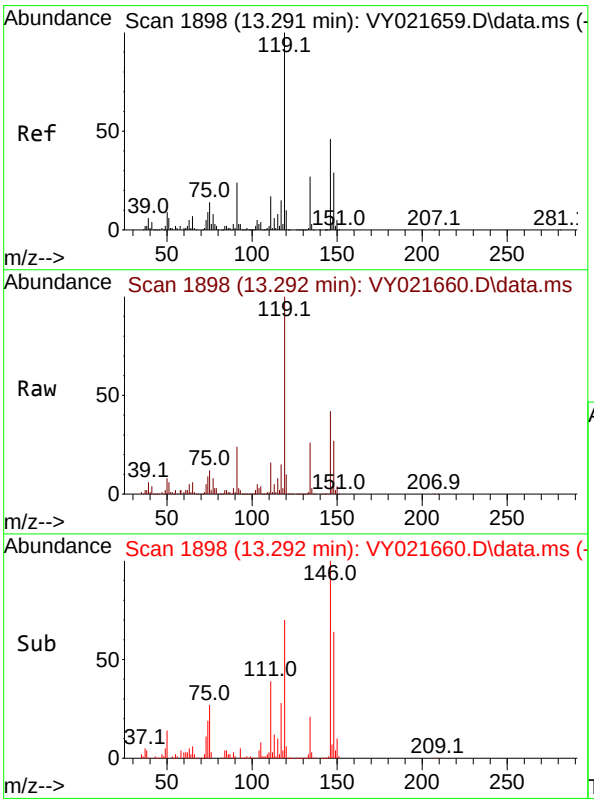
#85
sec-Butylbenzene
Concen: 102.624 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1369601

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

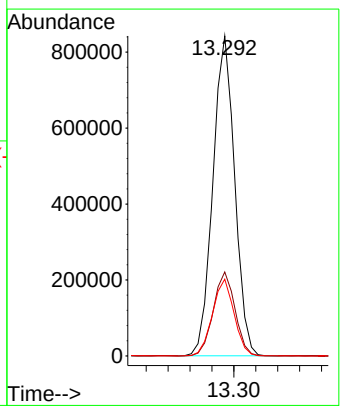


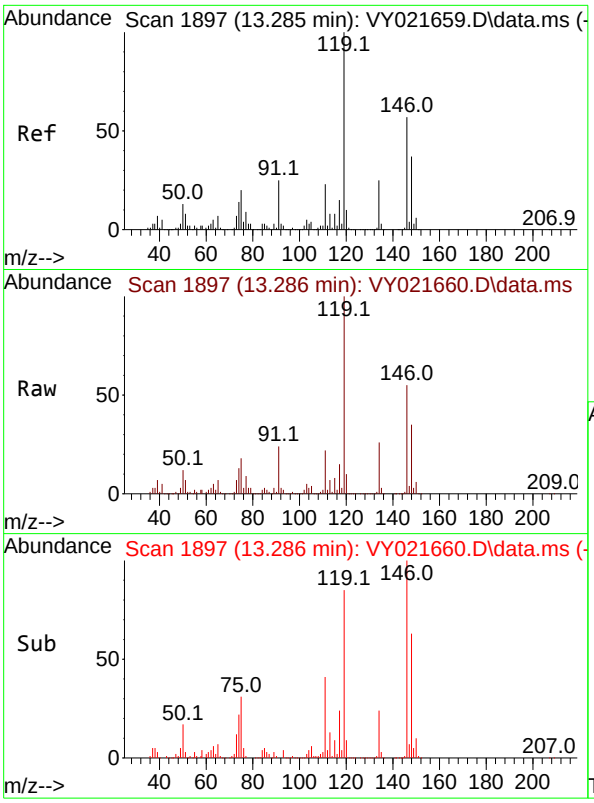


#86
p-Isopropyltoluene
Concen: 105.509 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:119 Resp: 1163796

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	23.8	12.0	36.0



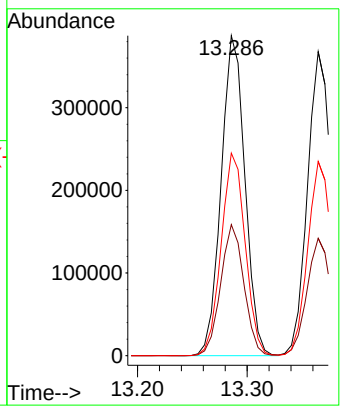


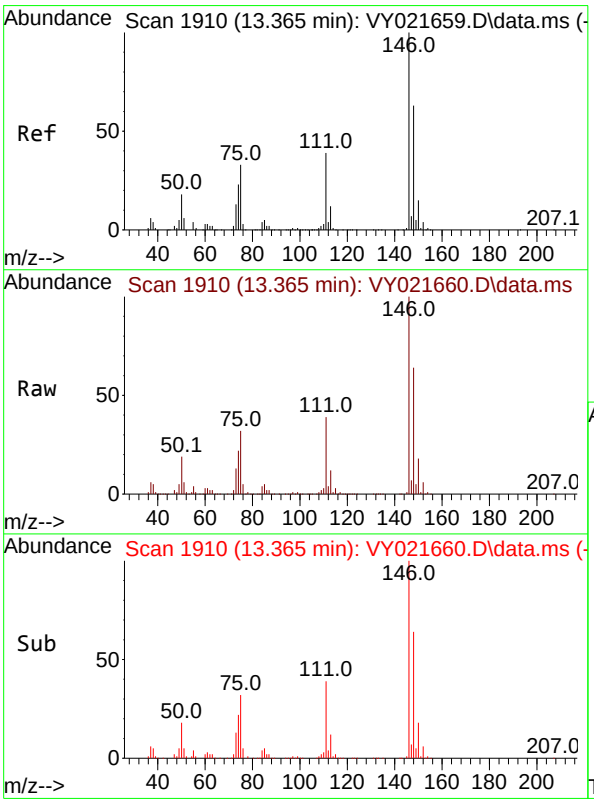
#87
1,3-Dichlorobenzene
Concen: 98.384 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 583838

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.9	31.8	95.4

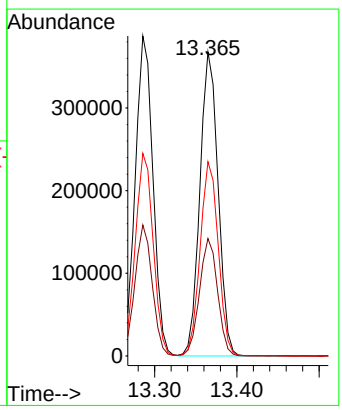


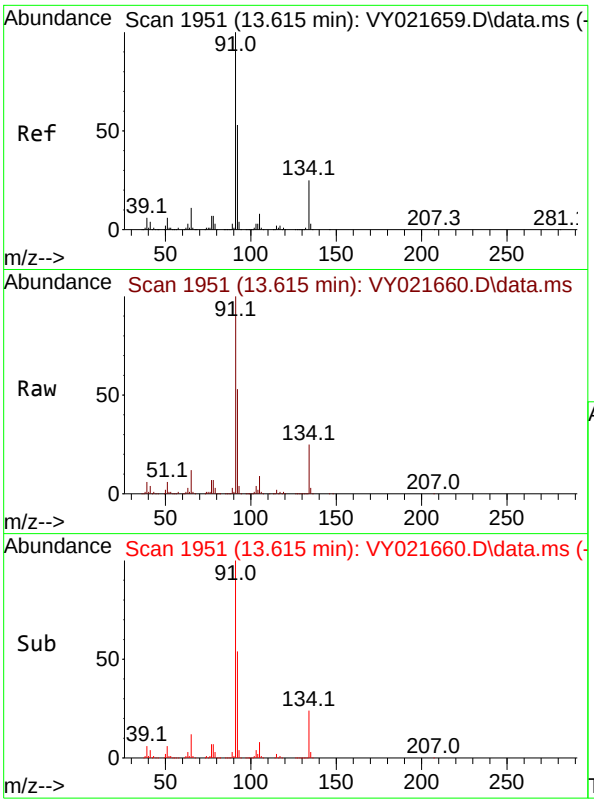


#88
1,4-Dichlorobenzene
Concen: 96.416 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:146 Resp: 565293

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.8	31.5	94.5



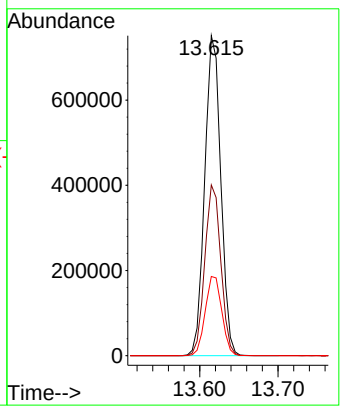


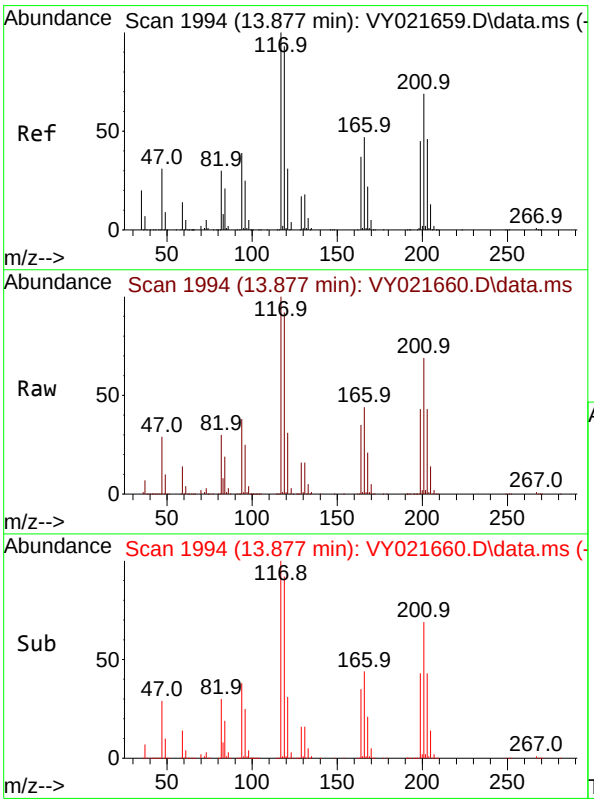
#89
n-Butylbenzene
Concen: 104.828 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1069356

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.6	12.8	38.4

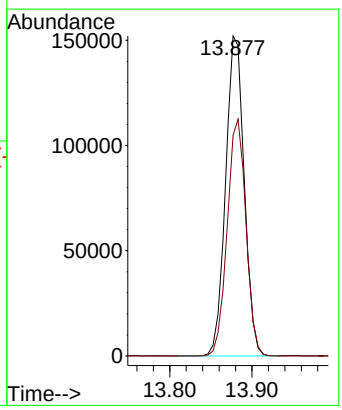


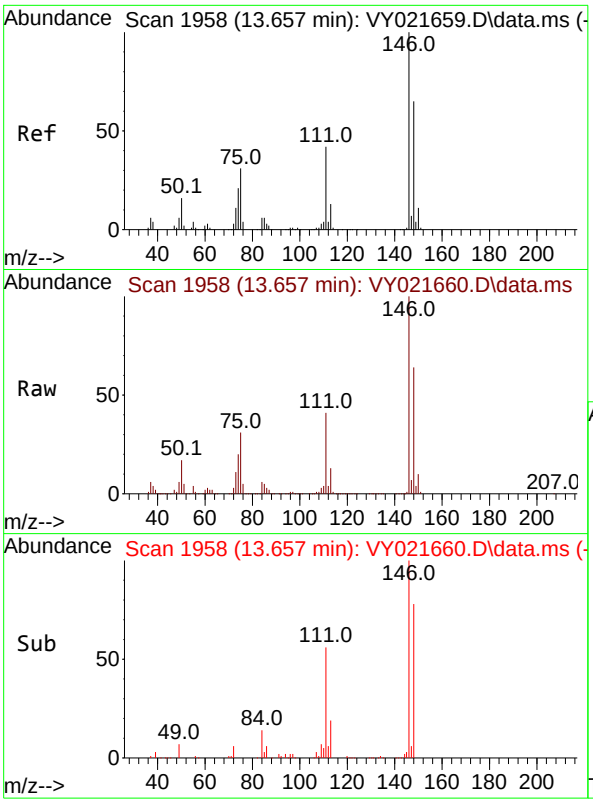


#90
Hexachloroethane
Concen: 99.078 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 239487

Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.4	112.1



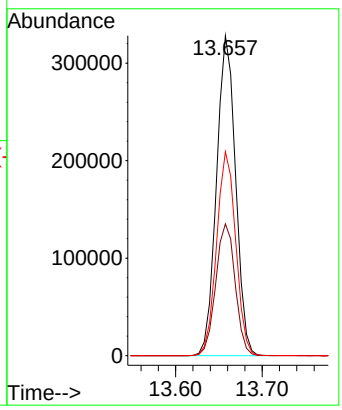


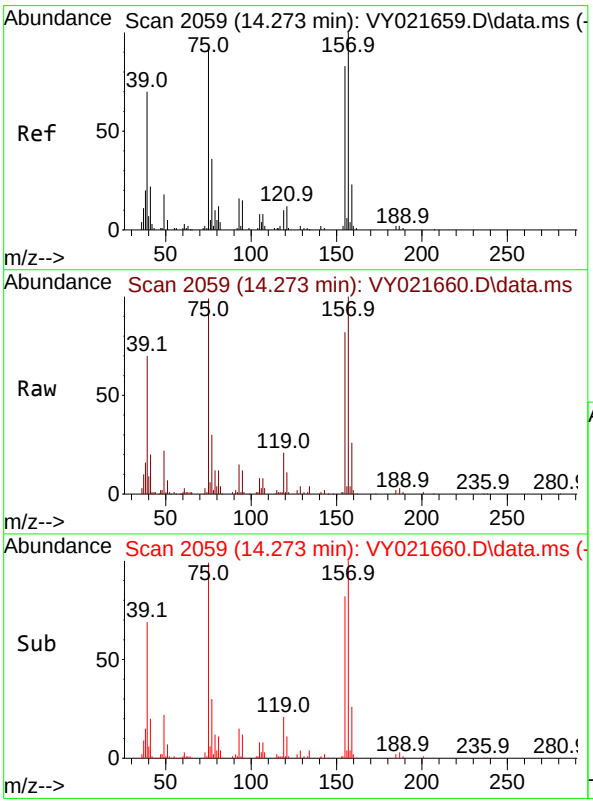
#91
1,2-Dichlorobenzene
Concen: 97.186 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 502045

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.0	32.3	96.9

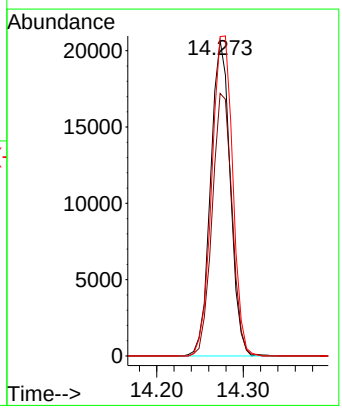


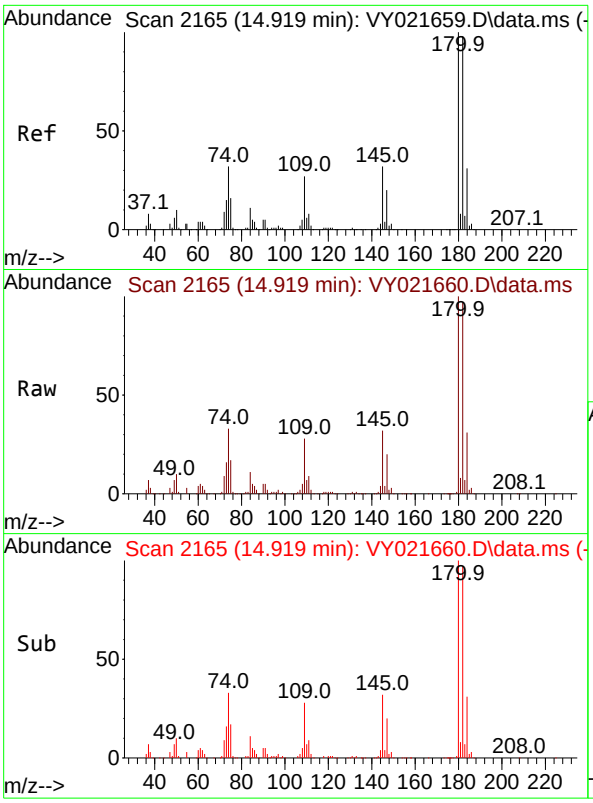


#92
1,2-Dibromo-3-Chloropropane
Concen: 93.136 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 32558

Ion	Ratio	Lower	Upper
75	100		
155	84.2	43.0	128.8
157	107.9	54.0	162.0



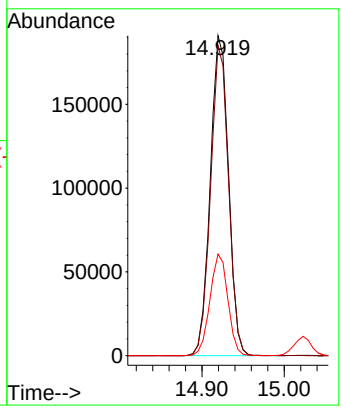


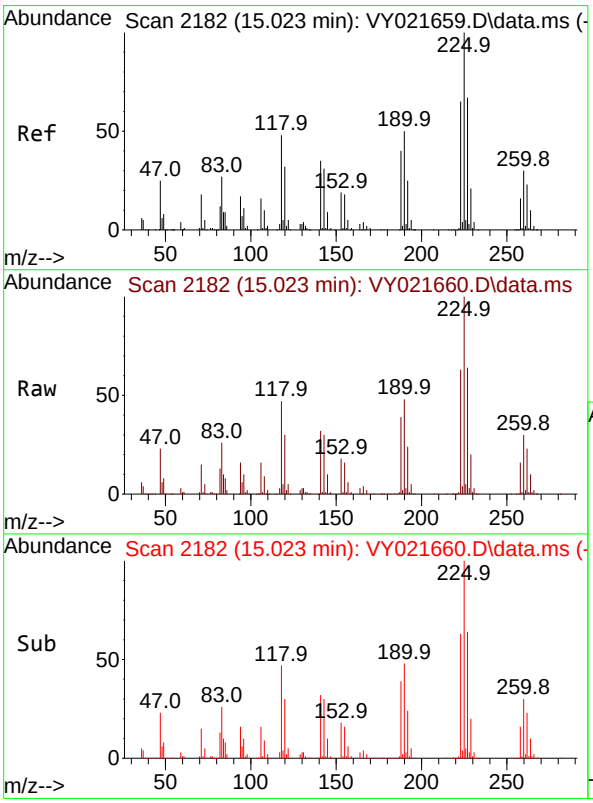
#93
1,2,4-Trichlorobenzene
Concen: 104.943 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 293988

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	31.2	14.9	44.9

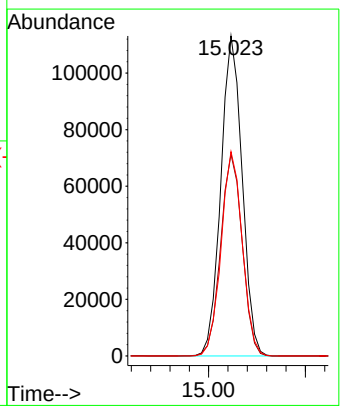


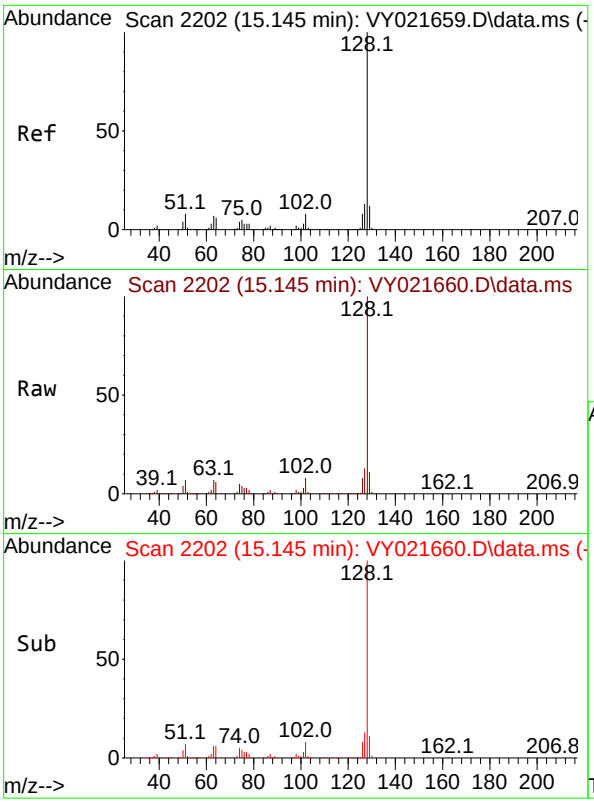


#94
Hexachlorobutadiene
Concen: 98.829 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:225 Resp: 172909

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.5	32.4	97.0



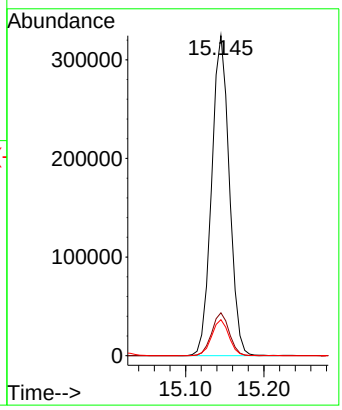


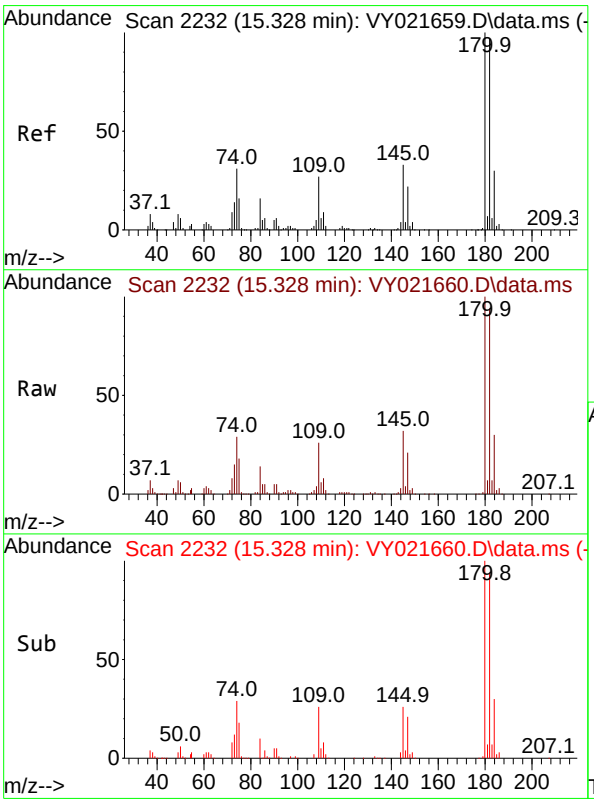
#95
Naphthalene
Concen: 109.498 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 508449

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.0	8.8	13.2

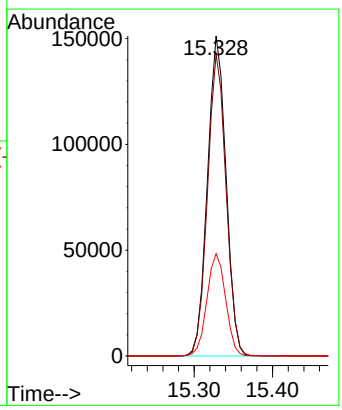




#96
1,2,3-Trichlorobenzene
Concen: 104.158 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:180 Resp: 248821

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	32.1	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.860%#			
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.720%#			
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.040%#			
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 292.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165	ug/l		100
43) Isopropyl Acetate	8.195	43	527316	144.731	ug/l	#	87
44) Trichloroethene	8.866	130	430629	138.536	ug/l		99
45) 1,2-Dichloropropane	9.140	63	401955	139.191	ug/l		99
46) Dibromomethane	9.231	93	228287	137.167	ug/l		98
47) Bromodichloromethane	9.420	83	598421	138.764	ug/l		98
48) Methyl methacrylate	9.219	41	251339	150.306	ug/l		99
49) 1,4-Dioxane	9.225	88	53338	2991.658	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160	ug/l		100
52) Toluene	10.170	92	1094229	143.758	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396	ug/l		99
56) Ethyl methacrylate	10.439	69	443517	162.176	ug/l		98
57) 1,3-Dichloropropane	10.719	76	517706	139.961	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867	ug/l		100
59) 2-Hexanone	10.762	43	955051	756.341	ug/l		99
60) Dibromochloromethane	10.908	129	417230	142.682	ug/l		99
61) 1,2-Dibromoethane	11.018	107	283453	141.082	ug/l		98
64) Tetrachloroethene	10.646	164	421368	125.966	ug/l		98
65) Chlorobenzene	11.444	112	1182770	140.483	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910	ug/l		100
67) Ethyl Benzene	11.518	91	2131884	147.665	ug/l		100
68) m/p-Xylenes	11.627	106	1610305	291.277	ug/l		100
69) o-Xylene	11.957	106	764721	149.852	ug/l		98
70) Styrene	11.969	104	1300778	152.877	ug/l		99
71) Bromoform	12.133	173	244045	143.224	ug/l	#	99
73) Isopropylbenzene	12.255	105	1969094	149.537	ug/l		99
74) N-amyl acetate	12.072	43	498903	161.437	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	459355	261.385	ug/l	#	100
77) Bromobenzene	12.530	156	461221	145.881	ug/l		99
78) n-propylbenzene	12.597	91	2344286	148.082	ug/l		100
79) 2-Chlorotoluene	12.682	91	1343328	146.095	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137	ug/l		99
82) 4-Chlorotoluene	12.780	91	1386233	144.608	ug/l		100
83) tert-Butylbenzene	12.999	119	1444053	150.647	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003	ug/l		100
85) sec-Butylbenzene	13.176	105	2052157	146.493	ug/l		99
86) p-Isopropyltoluene	13.292	119	1769866	152.863	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489	ug/l		99
89) n-Butylbenzene	13.615	91	1609064	150.273	ug/l		99
90) Hexachloroethane	13.883	117	363244	143.167	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803	ug/l		99
94) Hexachlorobutadiene	15.023	225	261678	142.491	ug/l		98
95) Naphthalene	15.145	128	859499	176.342	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

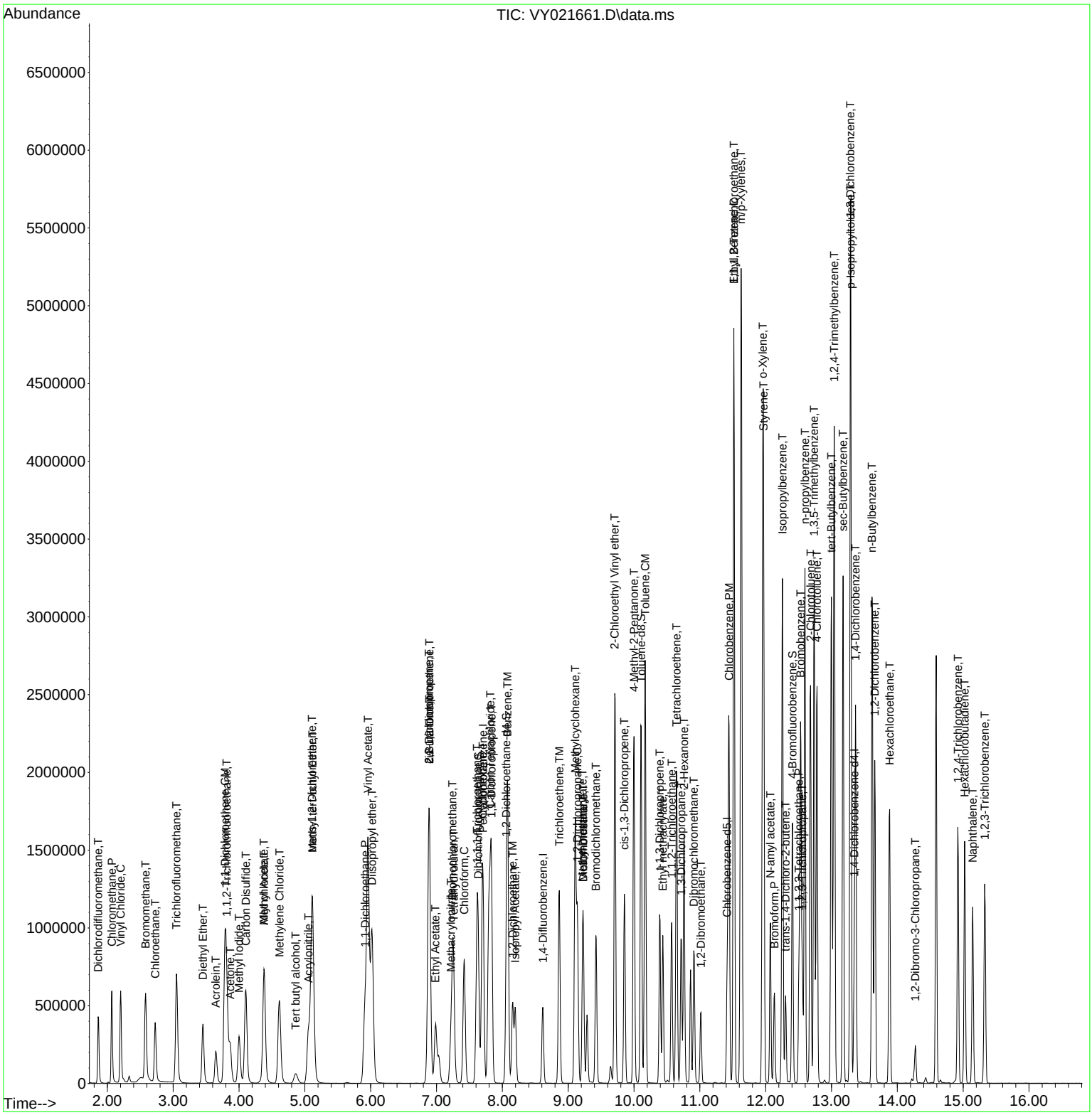
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

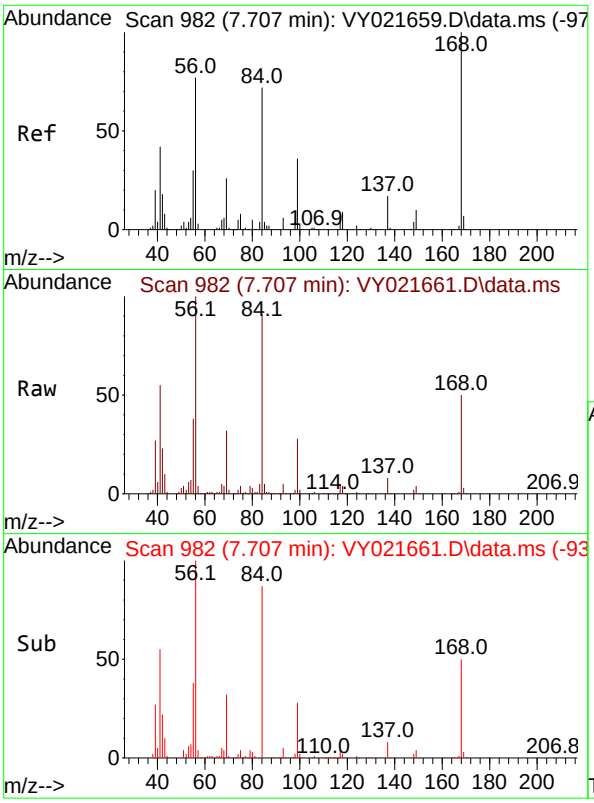
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
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: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration



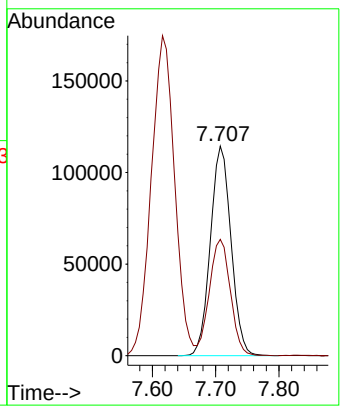


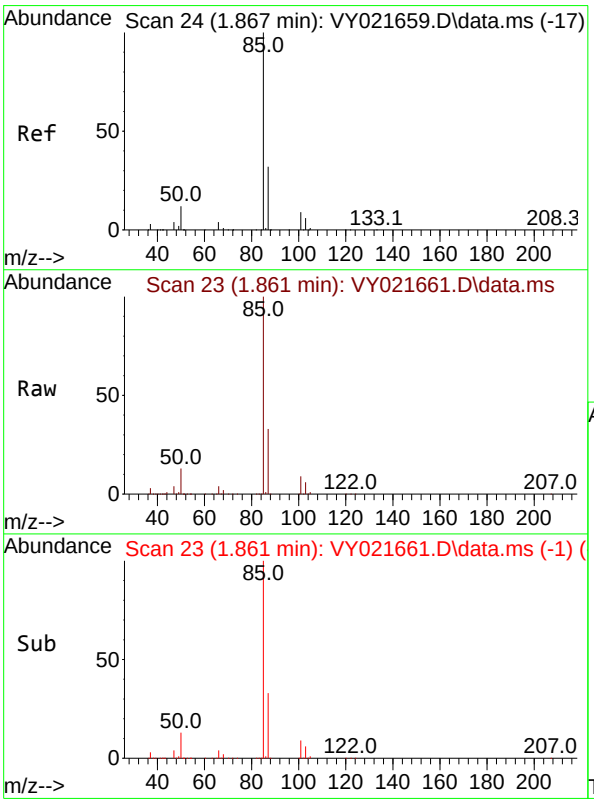
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 259676

Ion	Ratio	Lower	Upper
168	100		
99	55.5	46.7	70.1

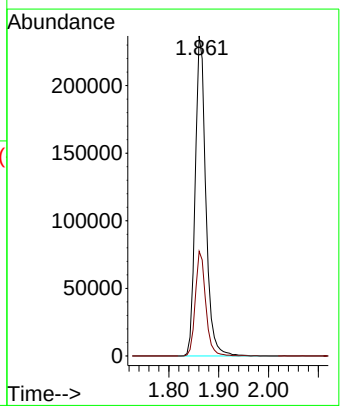


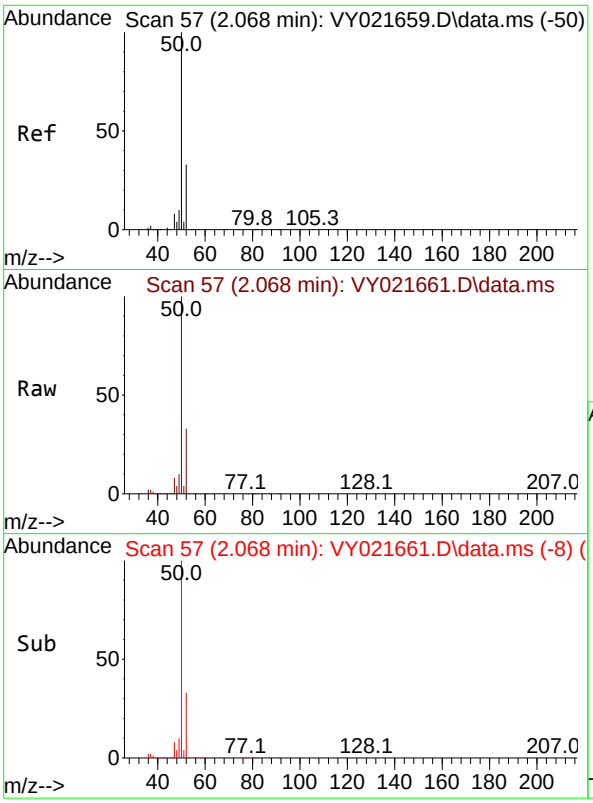


#2
Dichlorodifluoromethane
Concen: 129.414 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 85 Resp: 348314

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.2	48.6



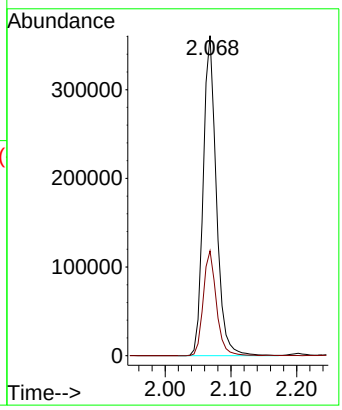


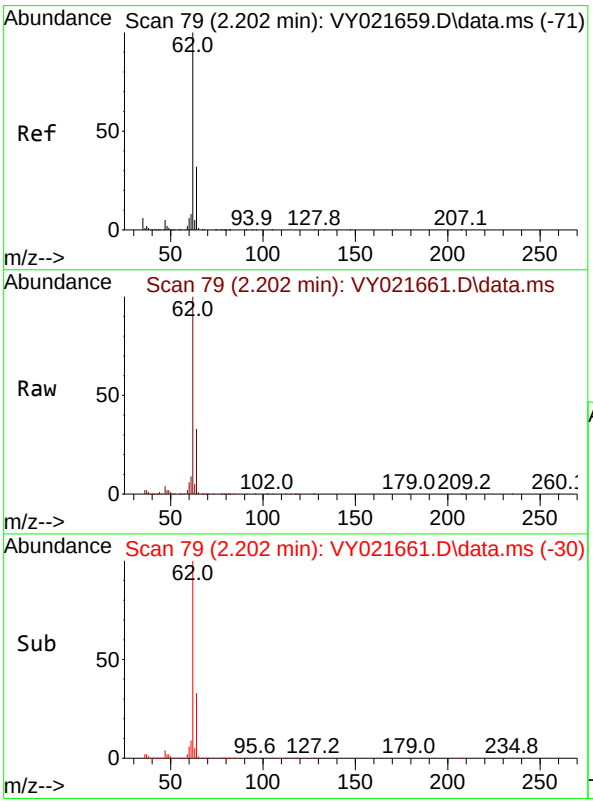
#3
Chloromethane
Concen: 132.551 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 501654

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5

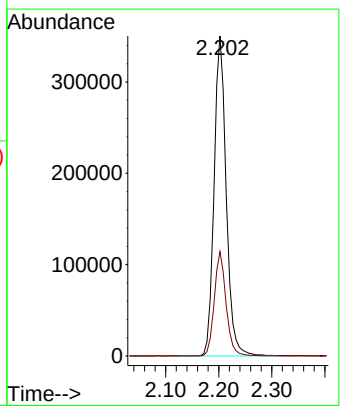


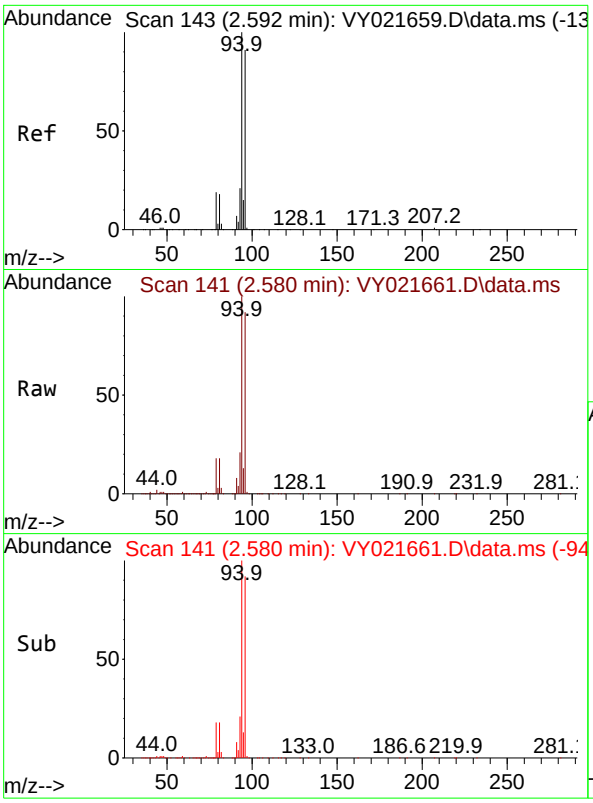


#4
Vinyl Chloride
Concen: 129.884 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 555909

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.5	38.3



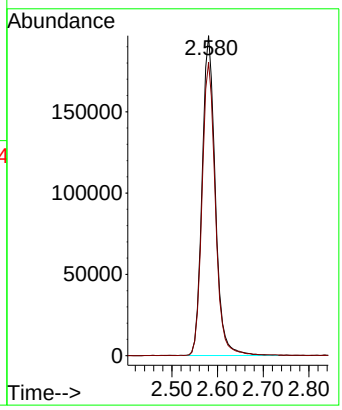


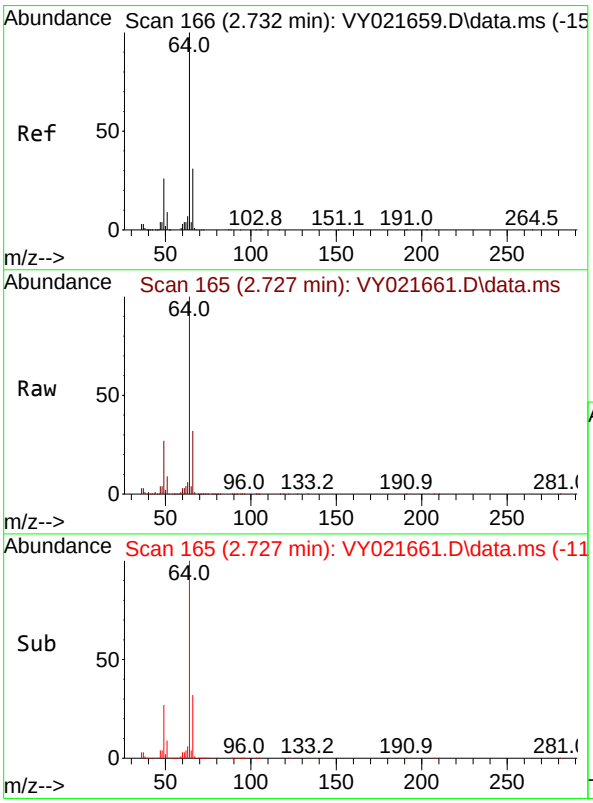
#5
Bromomethane
Concen: 135.035 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 394188

Ion	Ratio	Lower	Upper
94	100		
96	91.6	72.8	109.2

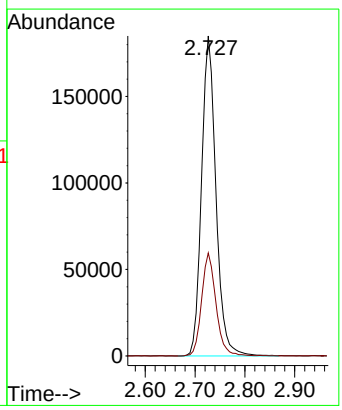


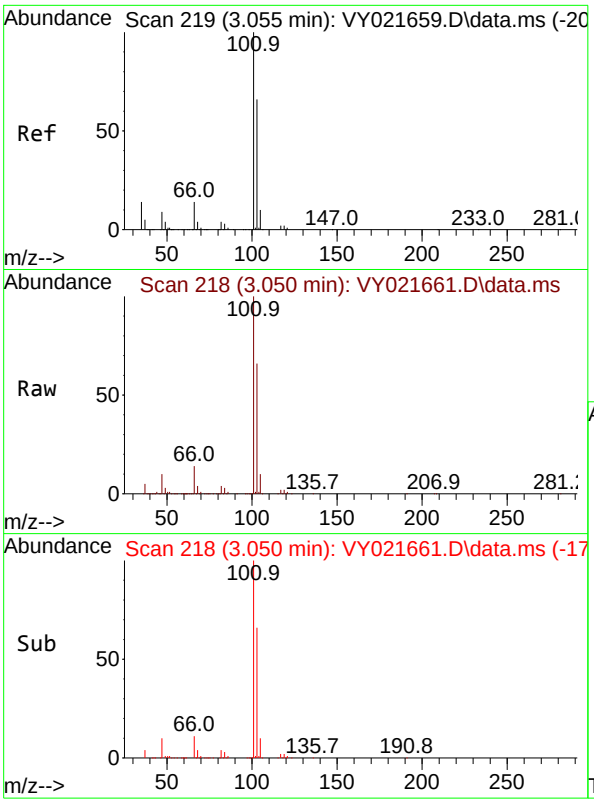


#6
Chloroethane
Concen: 132.337 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 64 Resp: 370633

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3



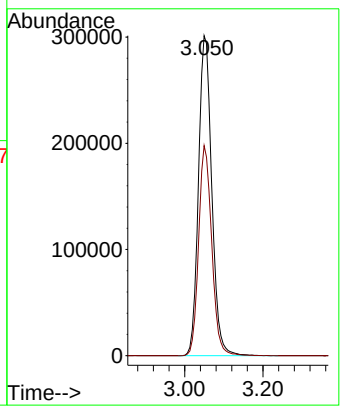


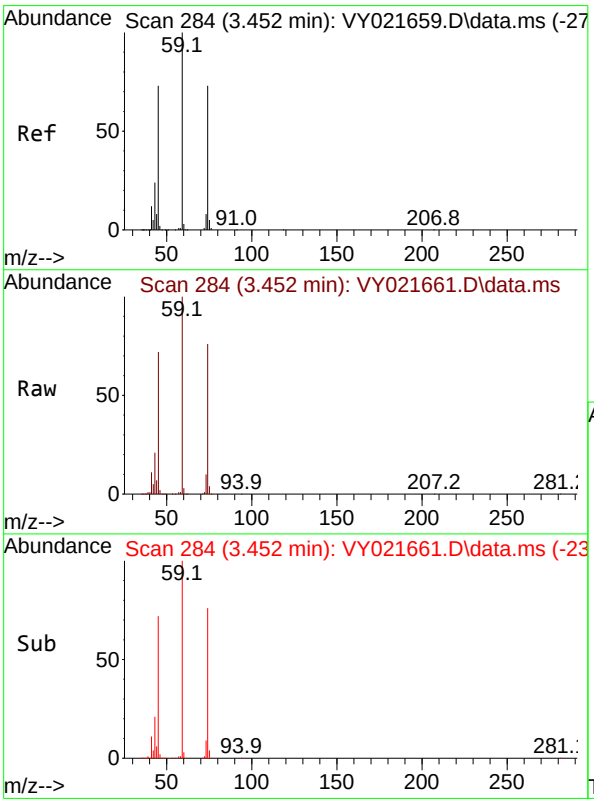
#7
Trichlorofluoromethane
Concen: 129.919 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 712314

Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.1	79.7

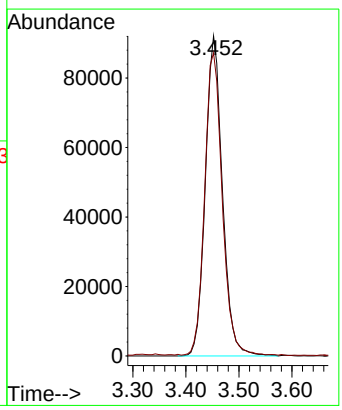


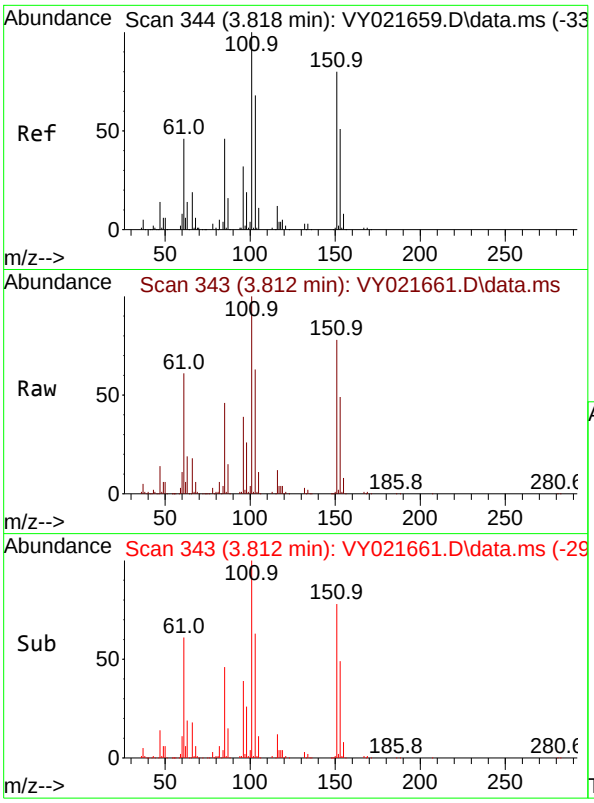


#8
Diethyl Ether
Concen: 138.727 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 74 Resp: 206844

Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8



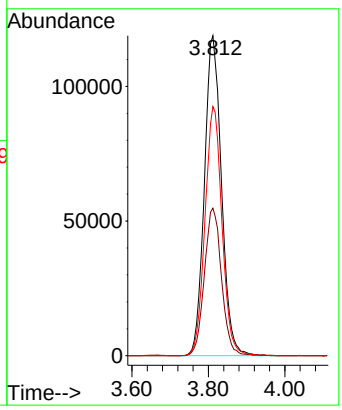


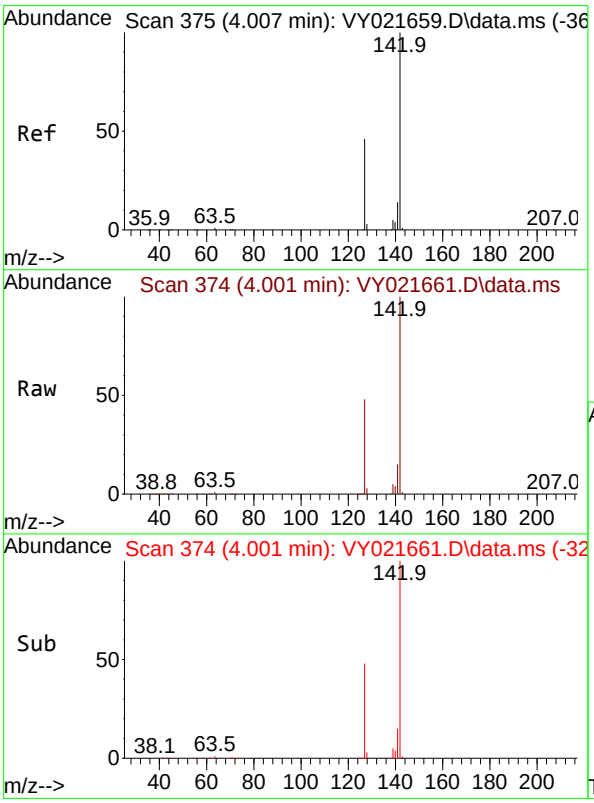
#9
1,1,2-Trichlorotrifluoroethane
Concen: 127.532 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 368788

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.3	54.5
151	77.5	61.3	91.9

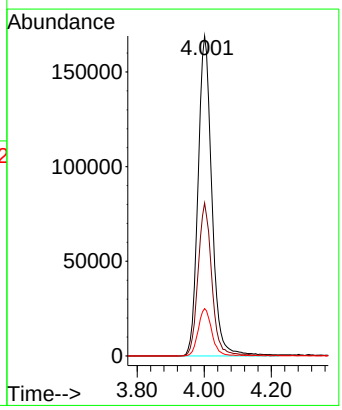


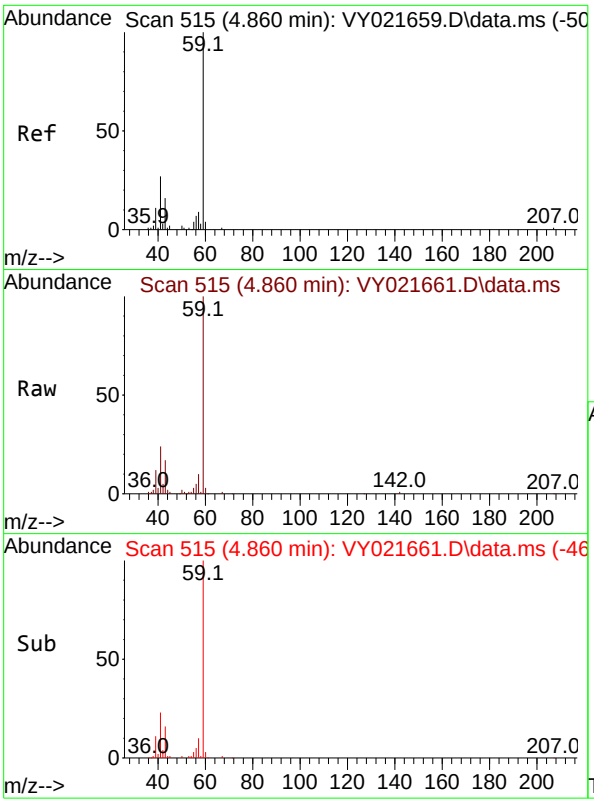


#10
Methyl Iodide
Concen: 152.366 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:142 Resp: 483364

Ion	Ratio	Lower	Upper
142	100		
127	47.4	38.7	58.1
141	14.5	11.5	17.3



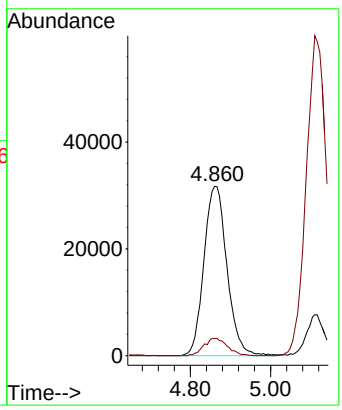


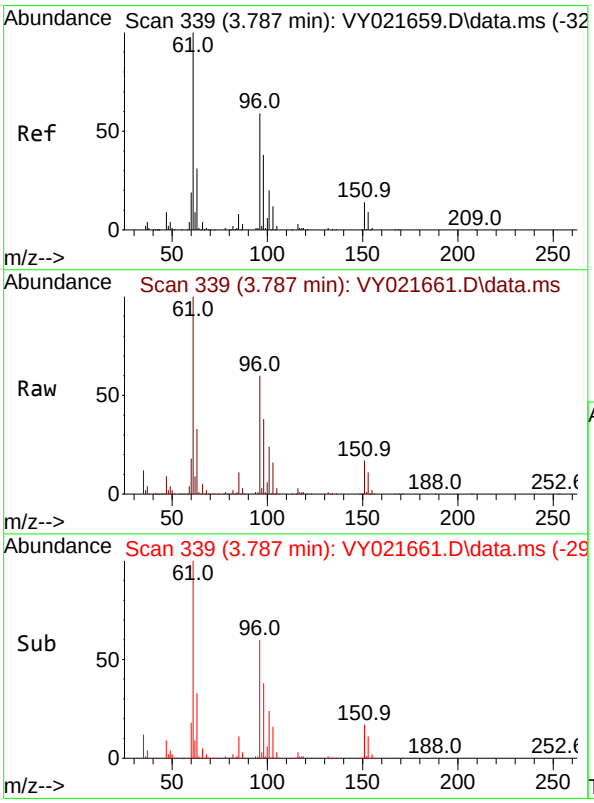
#11
Tert butyl alcohol
Concen: 692.642 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 126577

Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.2	13.8

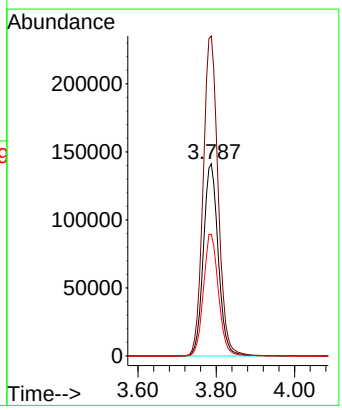


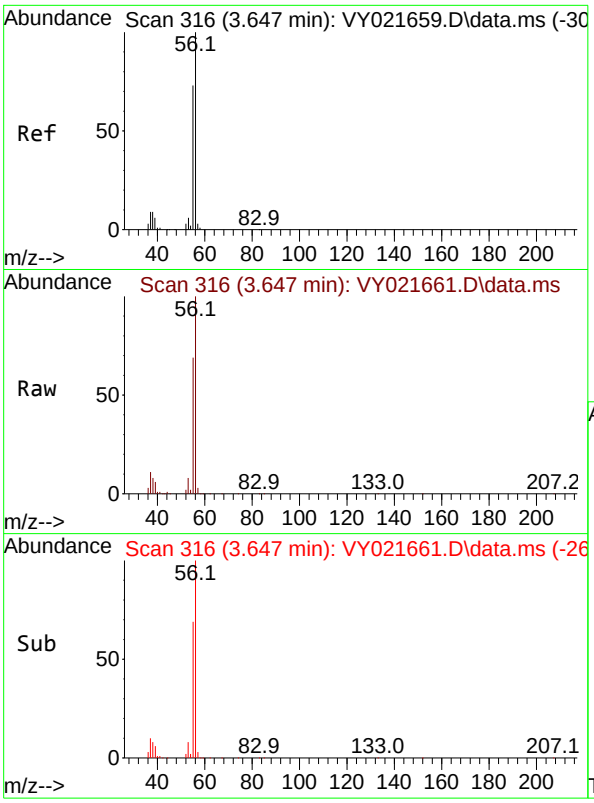


#12
1,1-Dichloroethene
Concen: 136.361 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 96 Resp: 371412

Ion	Ratio	Lower	Upper
96	100		
61	166.5	136.6	204.8
98	63.3	52.3	78.5



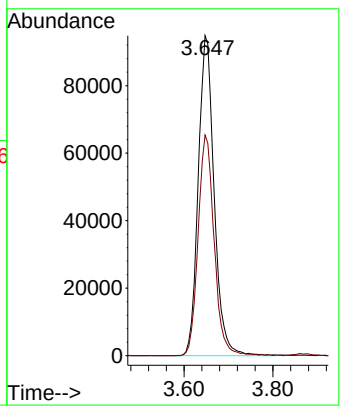


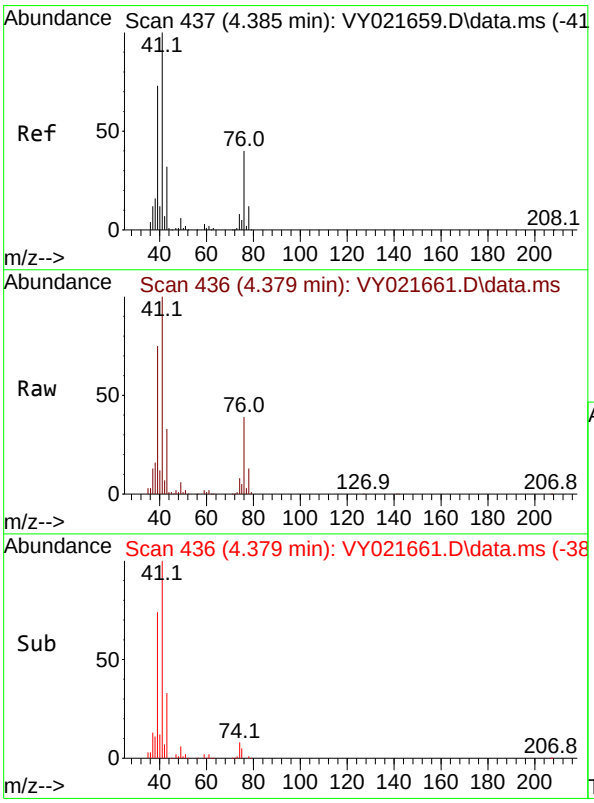
#13
Acrolein
Concen: 708.604 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 236449

Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.6	85.0

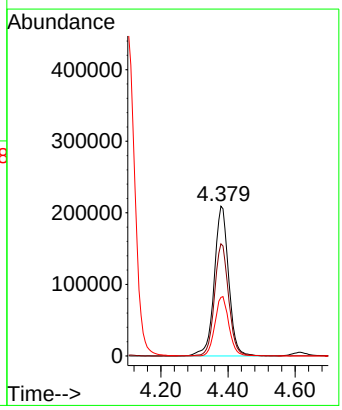


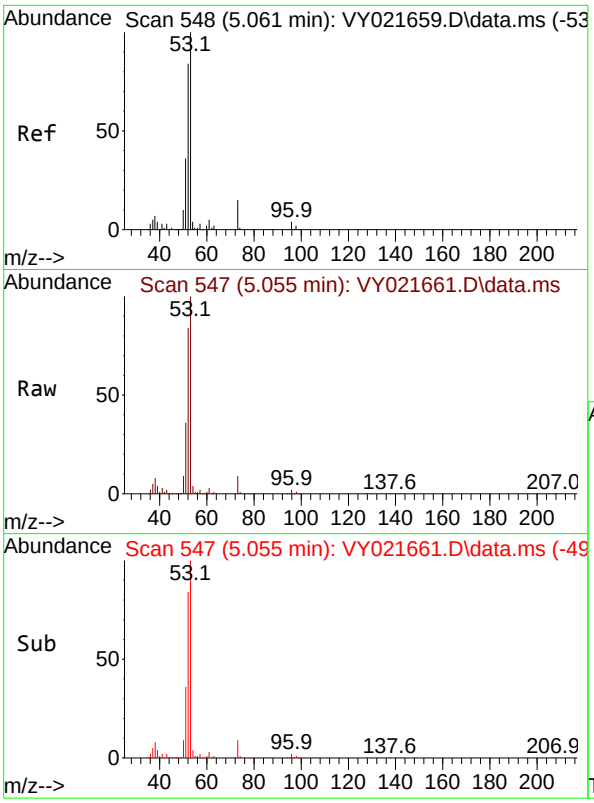


#14
Allyl chloride
Concen: 143.656 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 623865

Ion	Ratio	Lower	Upper
41	100		
39	73.5	58.6	88.0
76	38.2	30.3	45.5



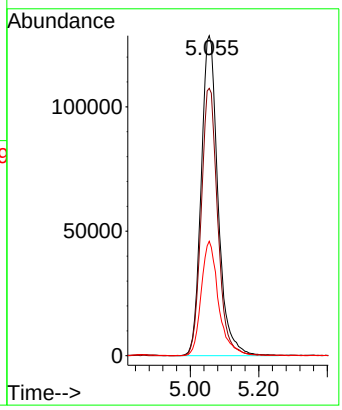


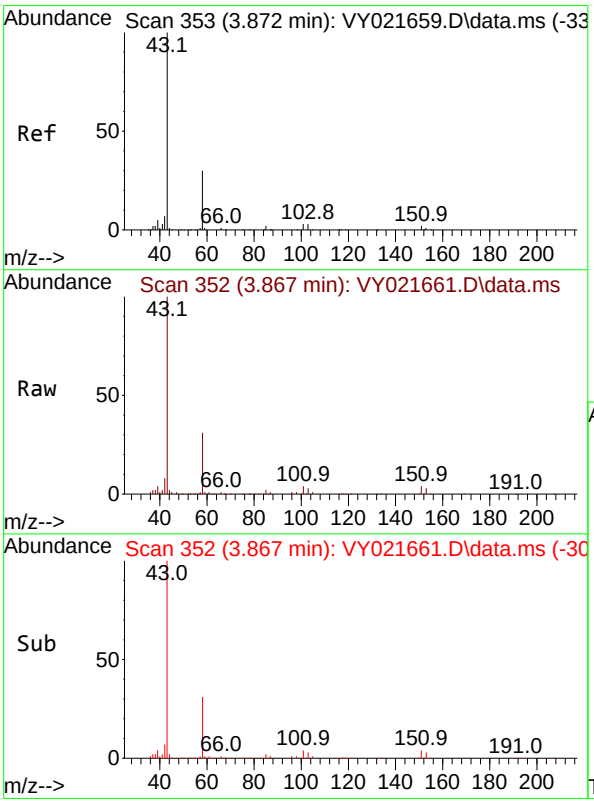
#15
Acrylonitrile
Concen: 706.375 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 439757

Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.9	97.3
51	37.0	30.2	45.2

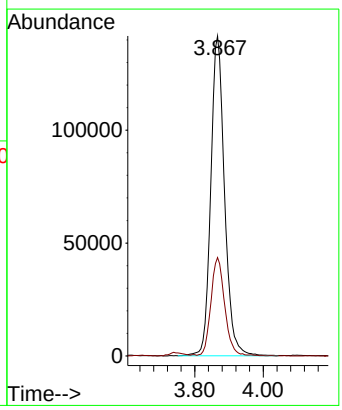


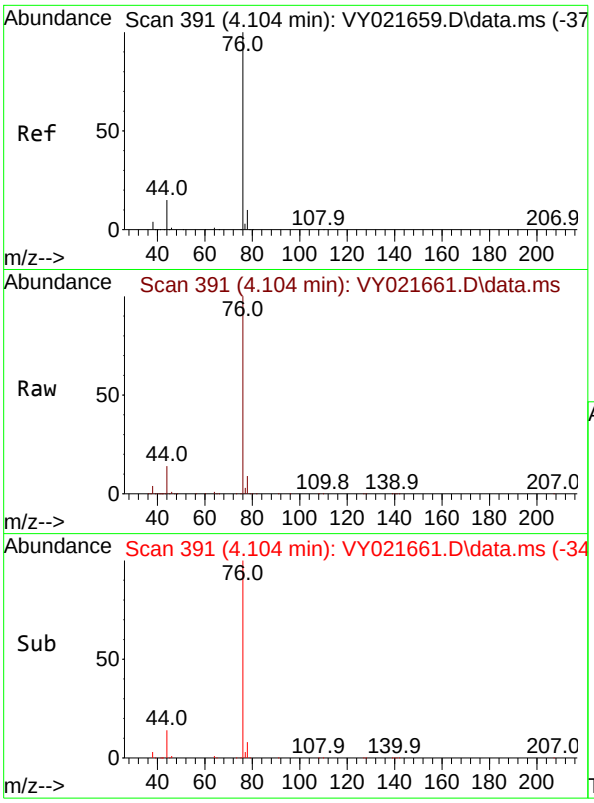


#16
Acetone
Concen: 686.626 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 395370

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4



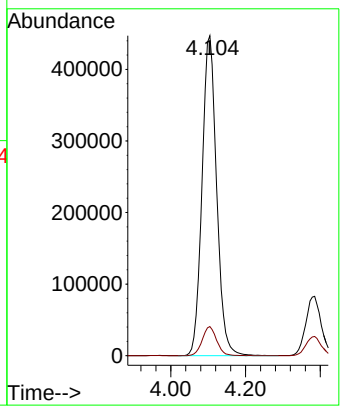


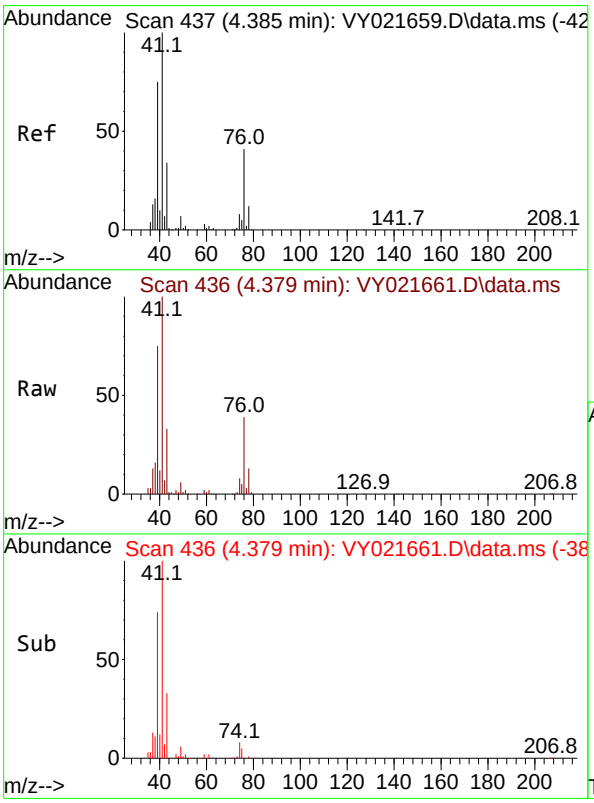
#17
Carbon Disulfide
Concen: 134.797 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1209296

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4

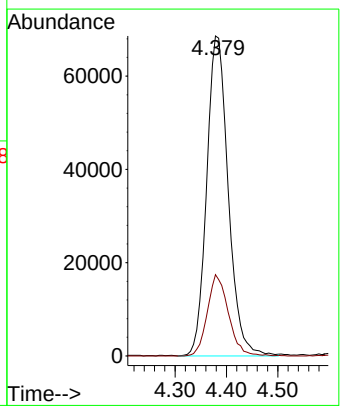


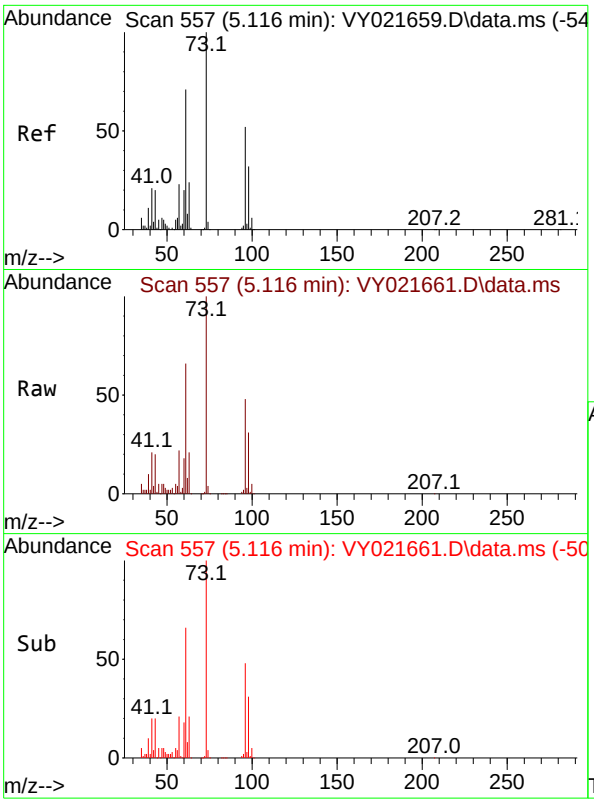


#18
Methyl Acetate
Concen: 140.110 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 199951

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.1	28.7



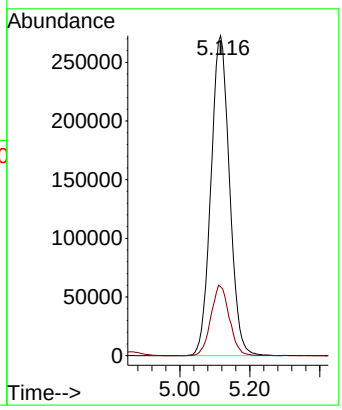


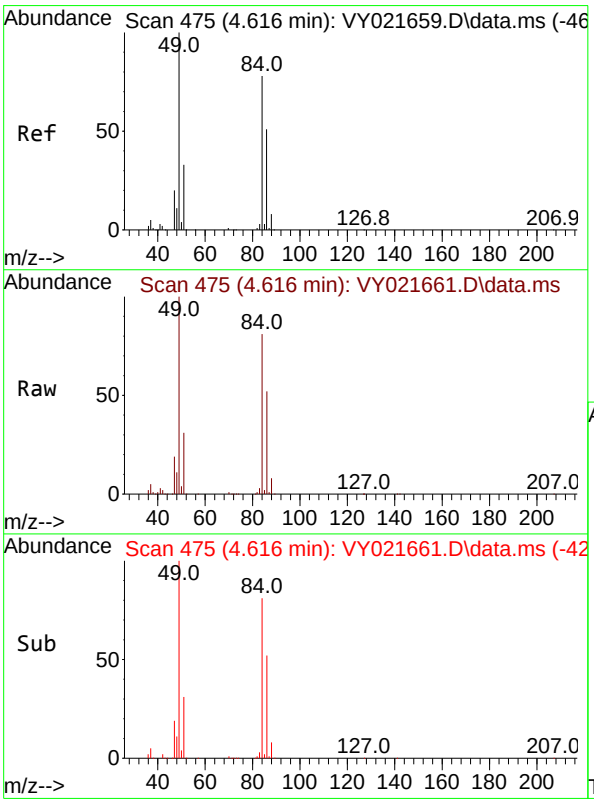
#19
Methyl tert-butyl Ether
Concen: 148.374 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1006156

Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.1	27.1

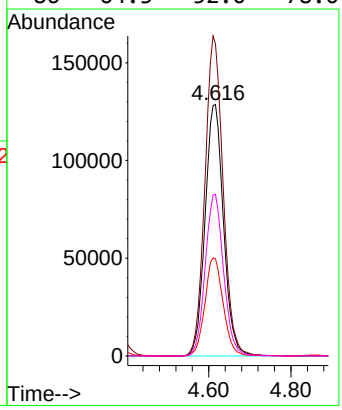


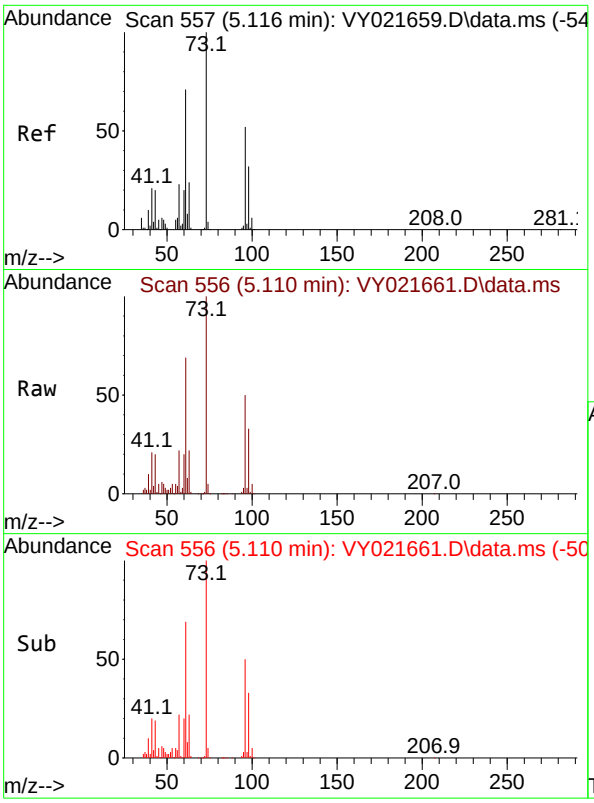


#20
Methylene Chloride
Concen: 149.840 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 84 Resp: 400434

Ion	Ratio	Lower	Upper
84	100		
49	124.1	102.8	154.2
51	38.6	33.5	50.3
86	64.3	52.0	78.0



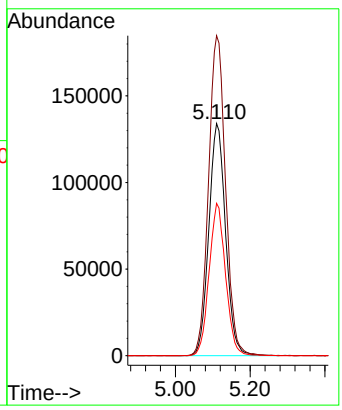


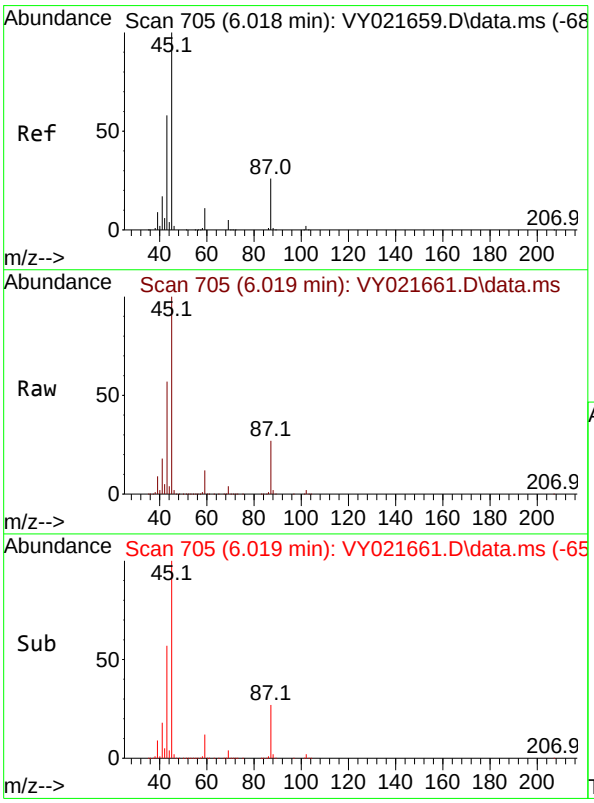
#21
trans-1,2-Dichloroethene
Concen: 139.351 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 417906

Ion	Ratio	Lower	Upper
96	100		
61	137.8	109.4	164.0
98	65.6	50.2	75.2

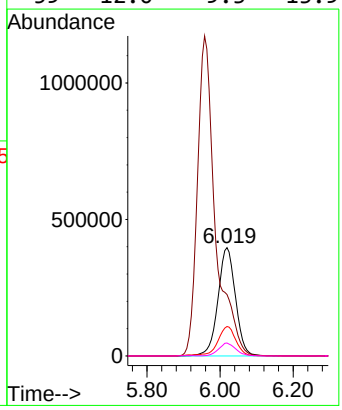


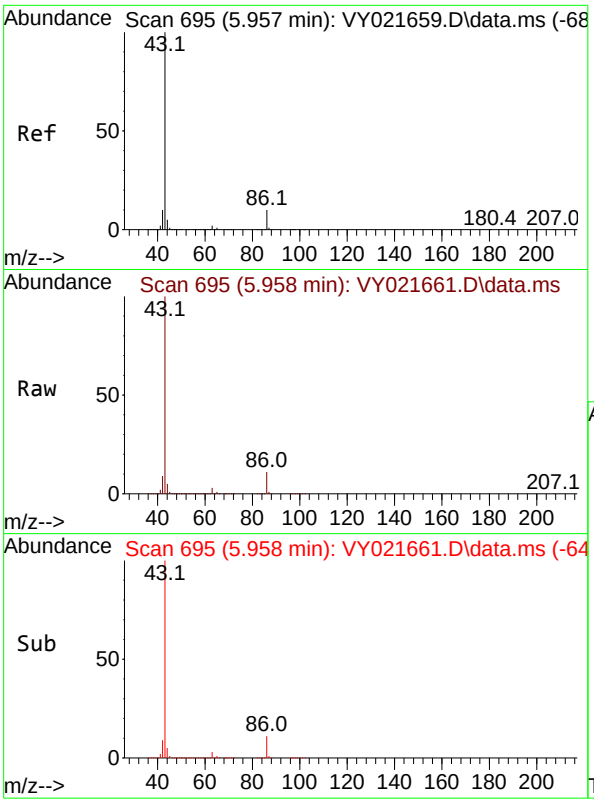


#22
Diisopropyl ether
Concen: 145.463 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 45 Resp: 1325167

Ion	Ratio	Lower	Upper
45	100		
43	56.7	46.6	69.8
87	27.2	20.7	31.1
59	12.0	9.3	13.9



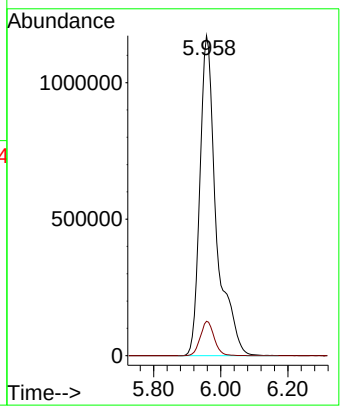


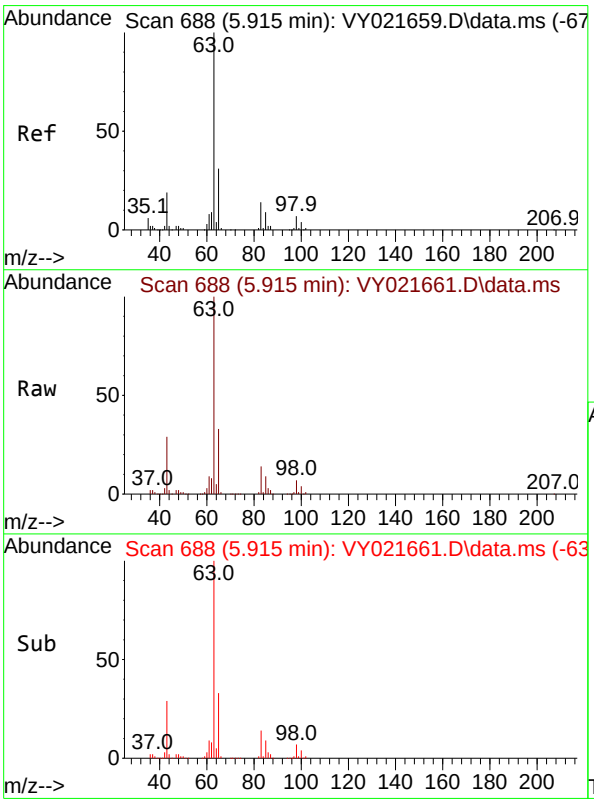
#23
Vinyl Acetate
Concen: 749.332 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3993494

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

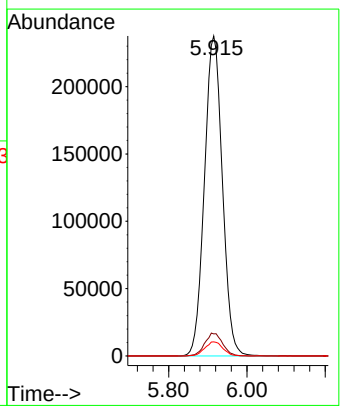


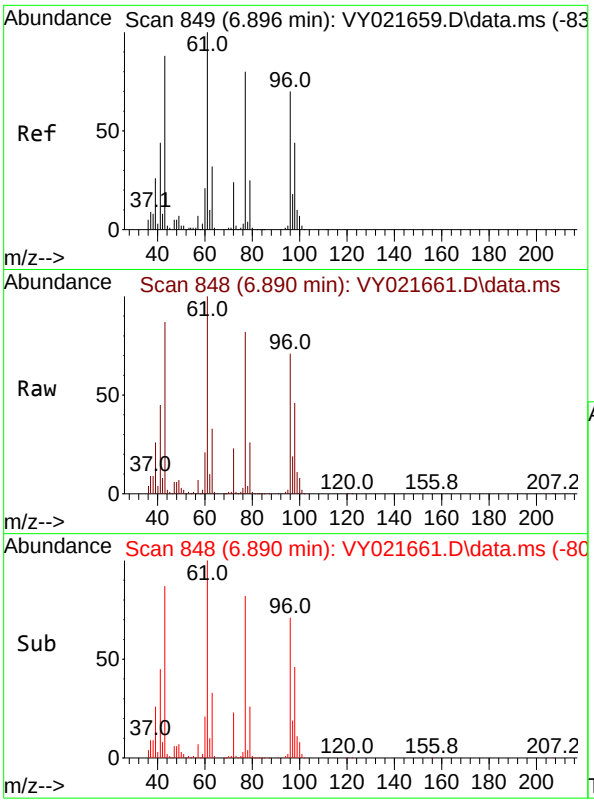


#24
1,1-Dichloroethane
Concen: 138.403 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 753930

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.4	2.2	6.6



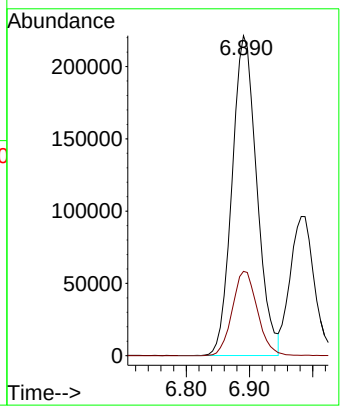


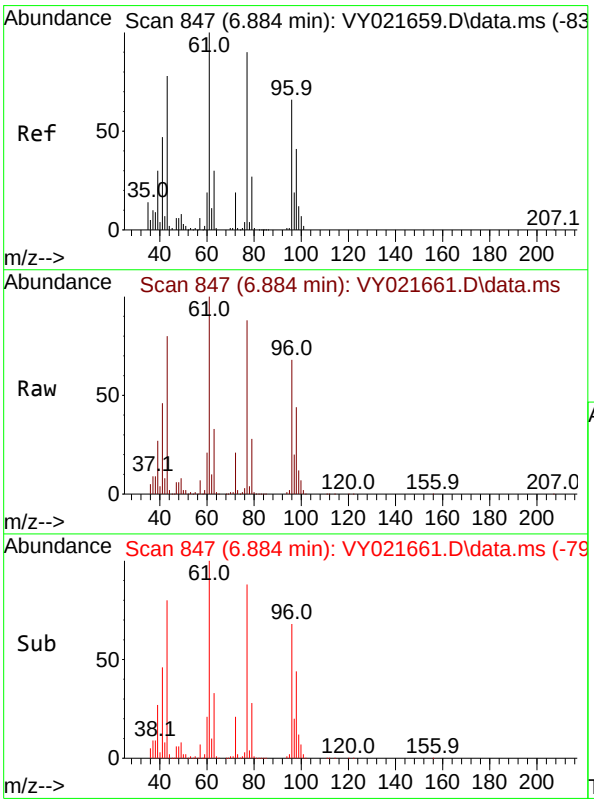
#25
2-Butanone
Concen: 733.215 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 603028

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

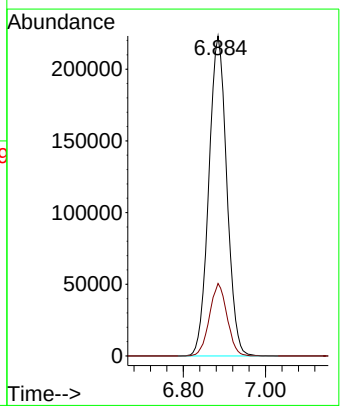


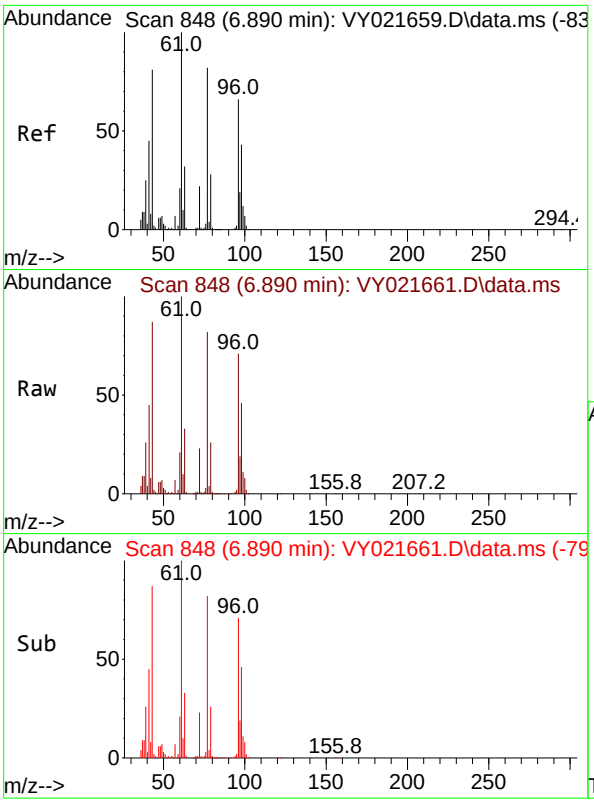


#26
2,2-Dichloropropane
Concen: 139.949 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 77 Resp: 678134

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.1



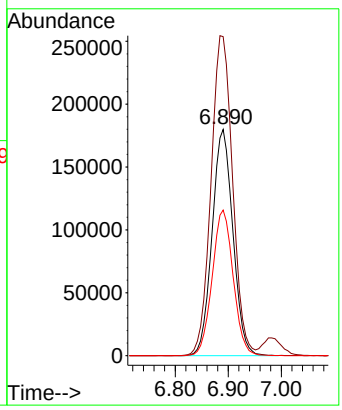


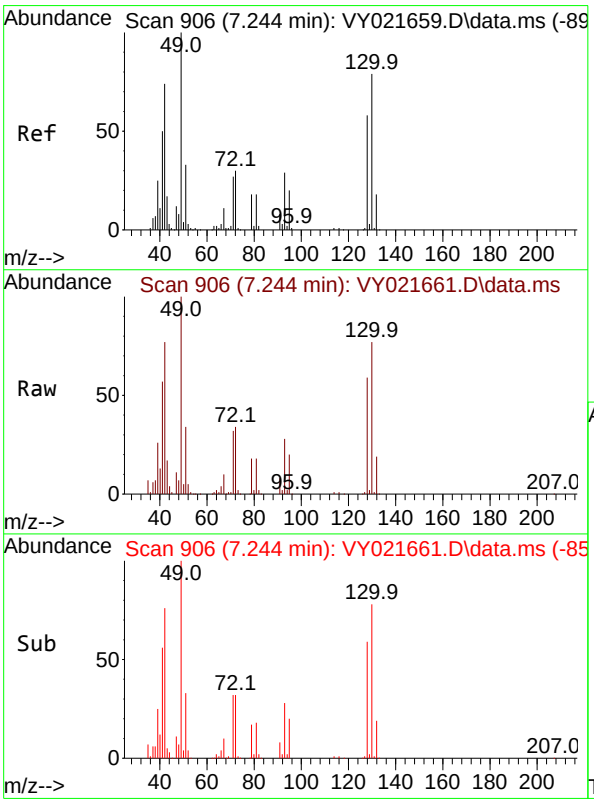
#27
cis-1,2-Dichloroethene
Concen: 145.395 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 490349

Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	296.4
98	64.9	0.0	128.0

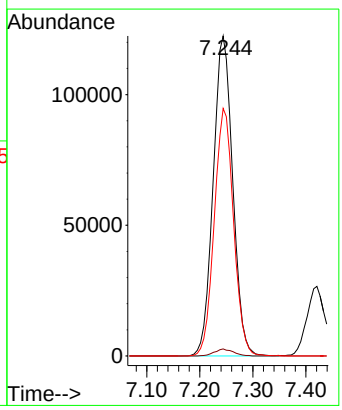


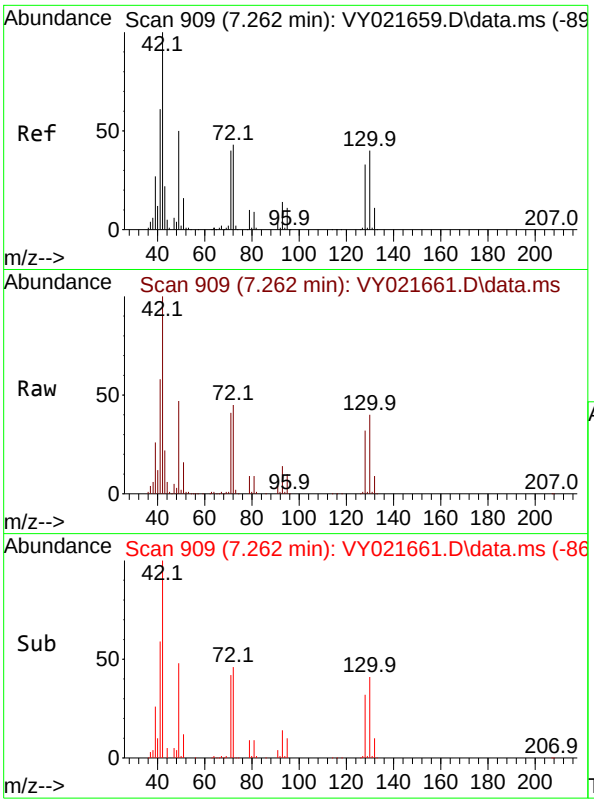


#28
Bromochloromethane
Concen: 136.480 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 49 Resp: 313542

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.4	60.1	90.1



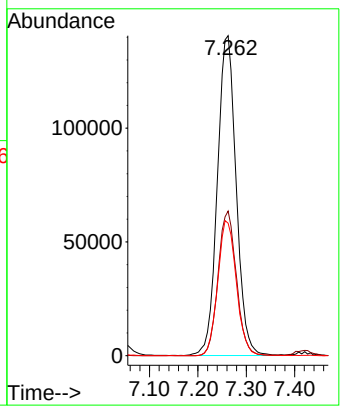


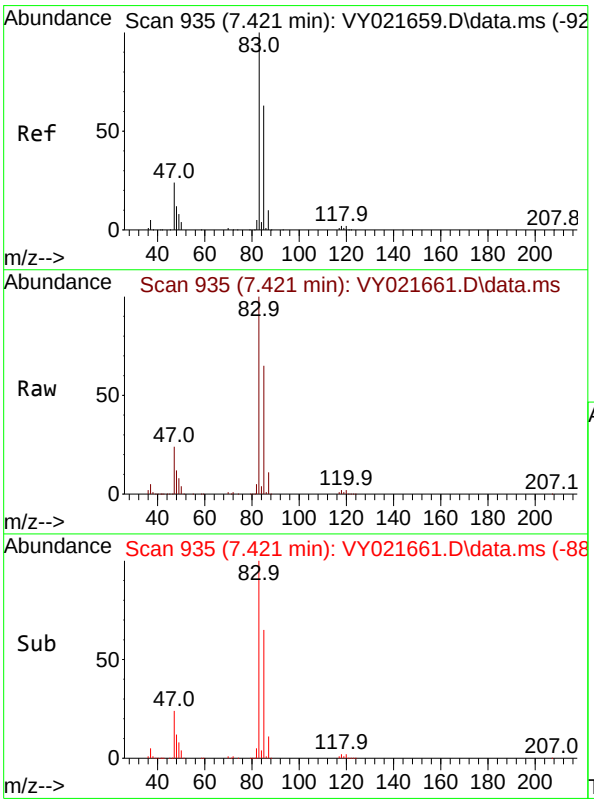
#29
Tetrahydrofuran
Concen: 716.799 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 379413

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	52.0
71	41.9	32.5	48.7

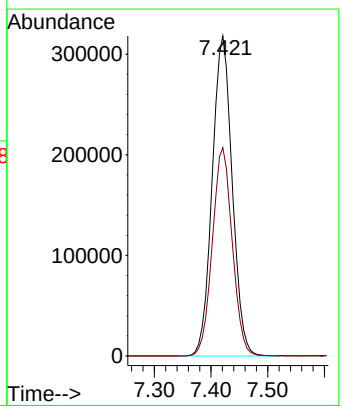


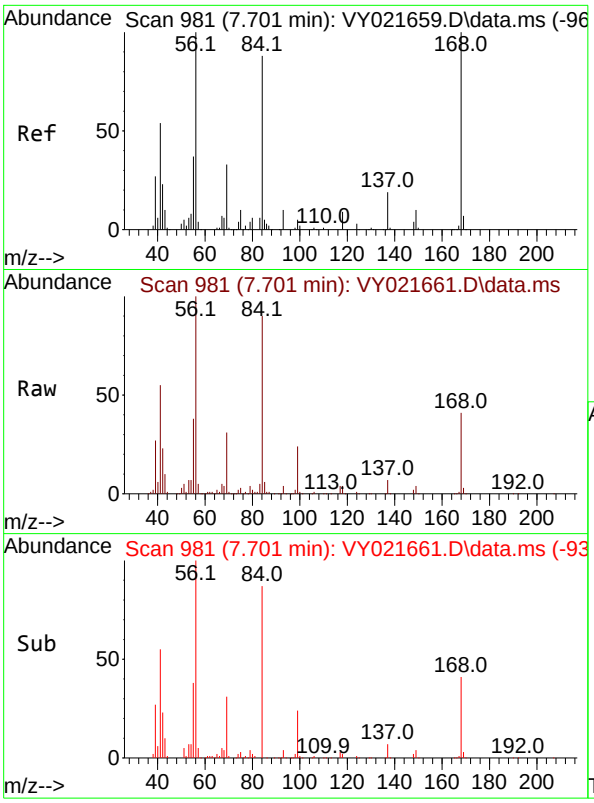


#30
Chloroform
Concen: 137.548 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 779319

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8



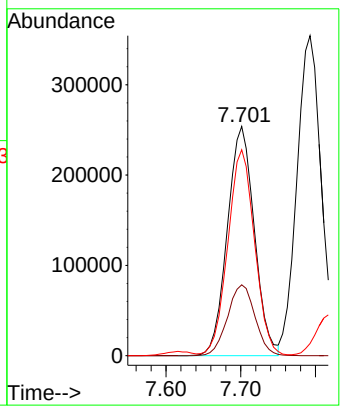


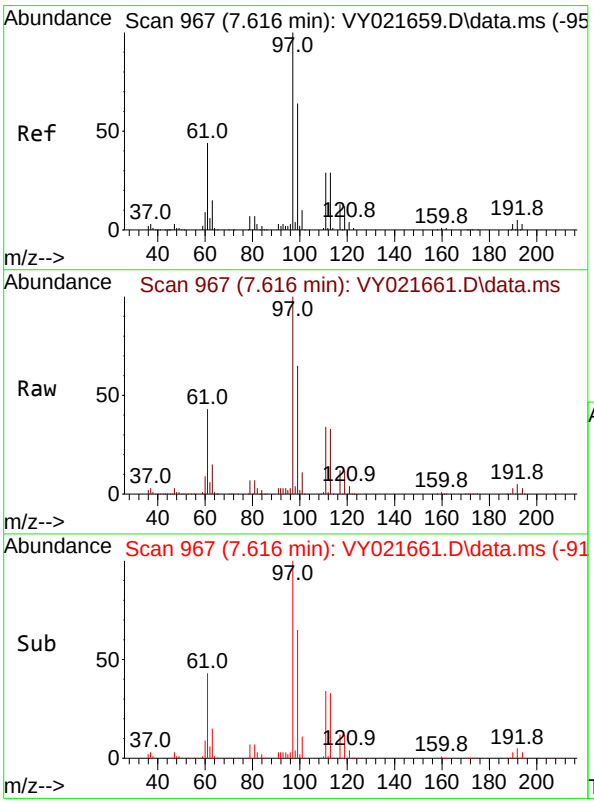
#31
Cyclohexane
Concen: 128.388 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 637533

Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.6	40.0
84	88.0	69.0	103.4

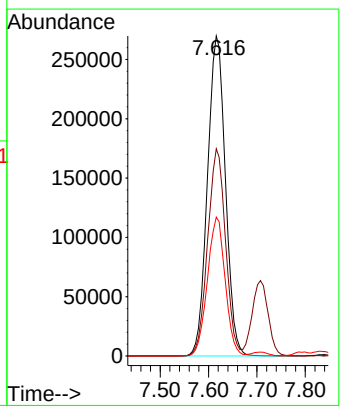


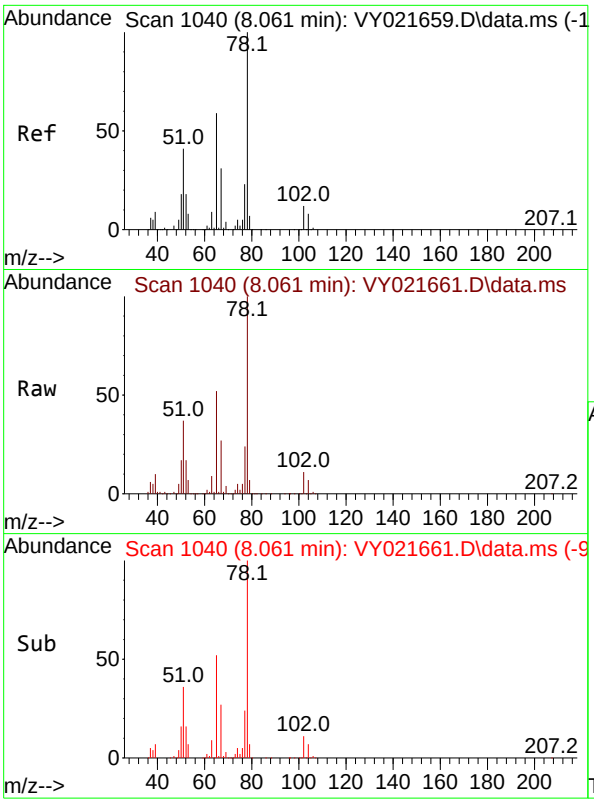


#32
1,1,1-Trichloroethane
Concen: 135.918 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 97 Resp: 696016

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.0	35.2	52.8



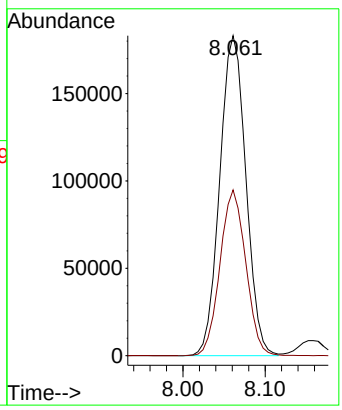


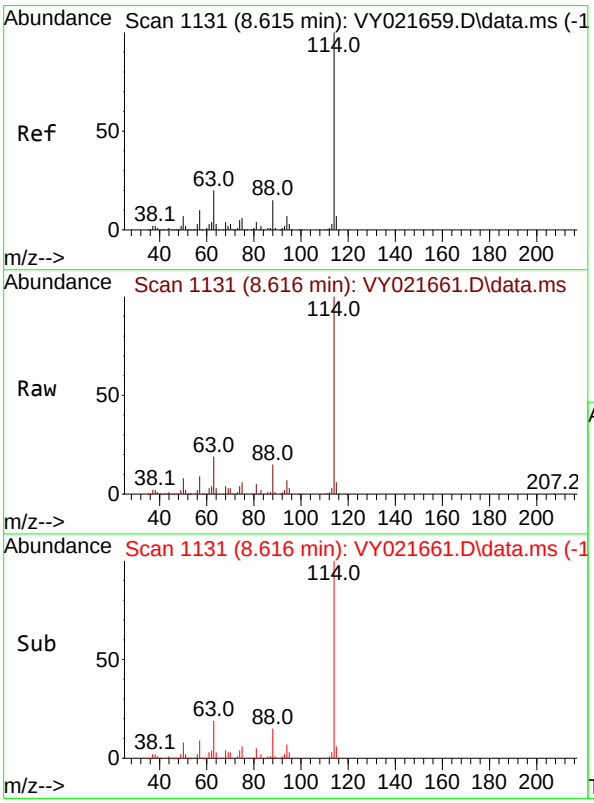
#33
1,2-Dichloroethane-d4
Concen: 143.931 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 404952

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	104.6

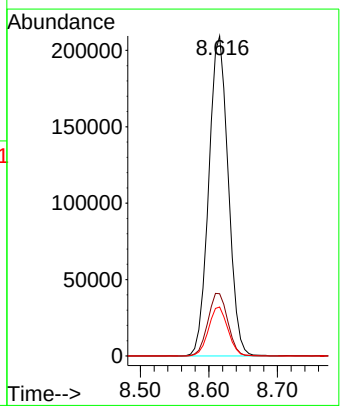


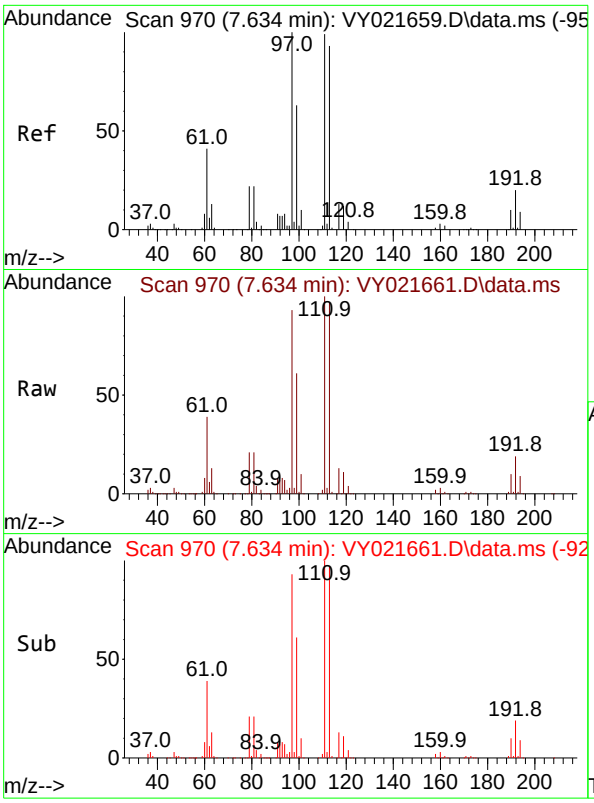


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:114 Resp: 412304

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	15.3	0.0	29.8



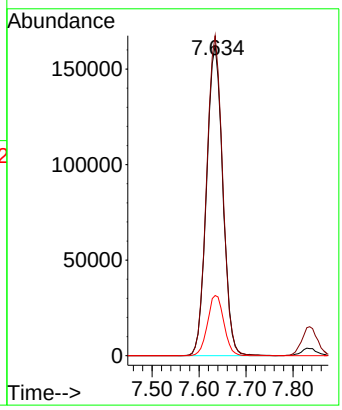


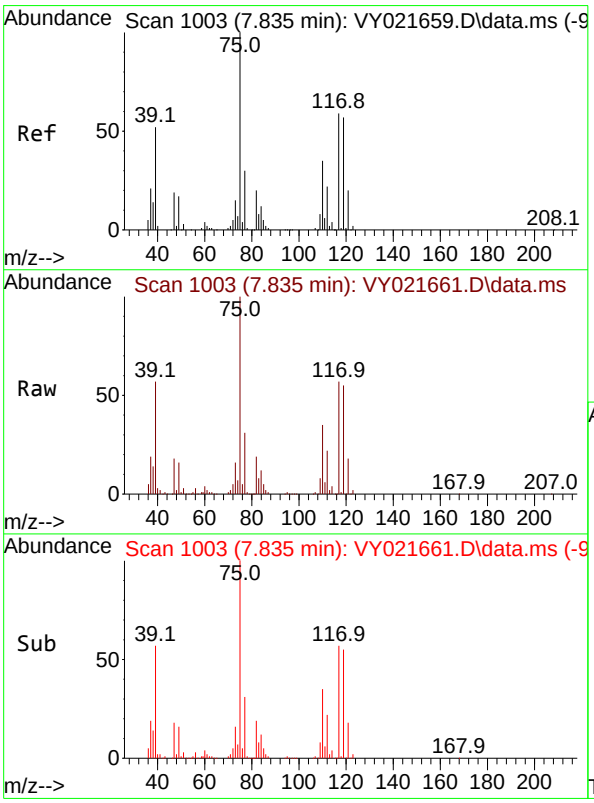
#35
Dibromofluoromethane
Concen: 144.862 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 387439

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	19.6	16.2	24.4

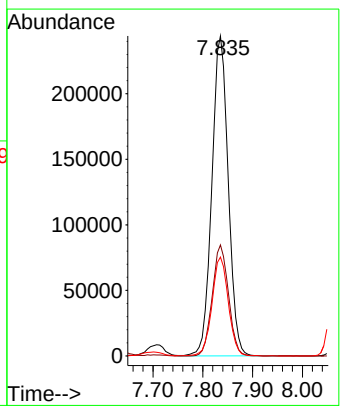


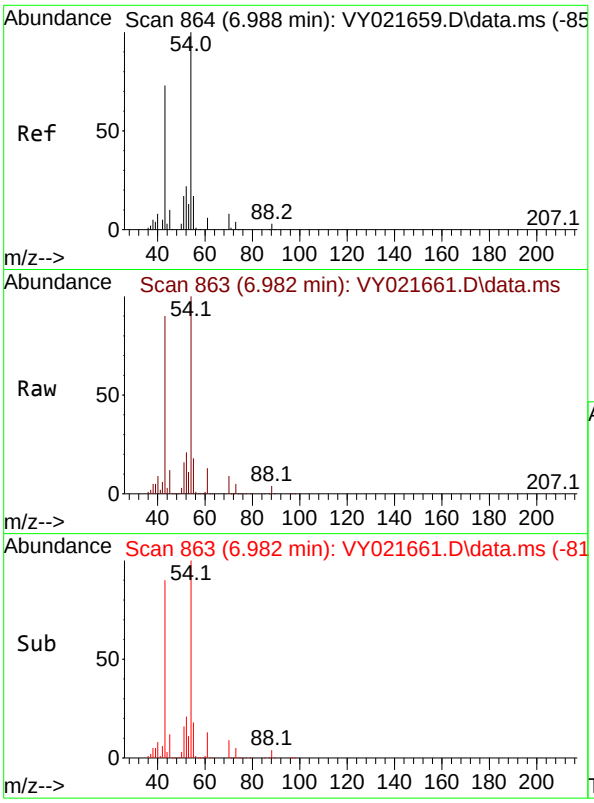


#36
1,1-Dichloropropene
Concen: 136.722 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 556974

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.9	24.8	37.2



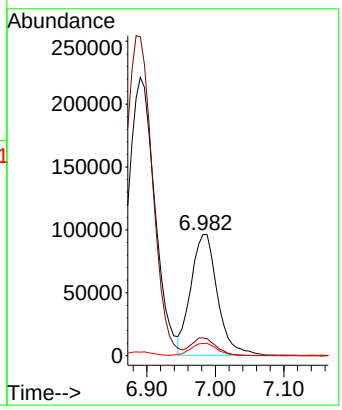


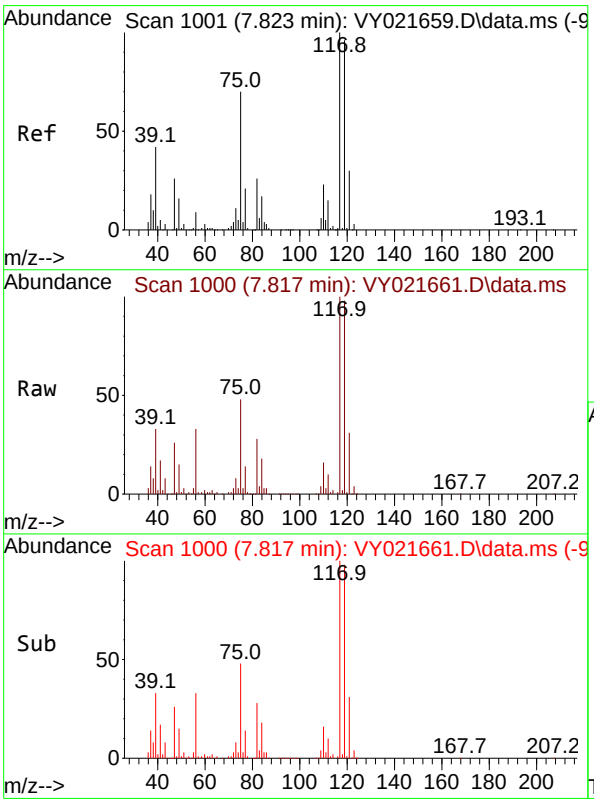
#37
Ethyl Acetate
Concen: 134.812 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 259188

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.3	8.1	12.1

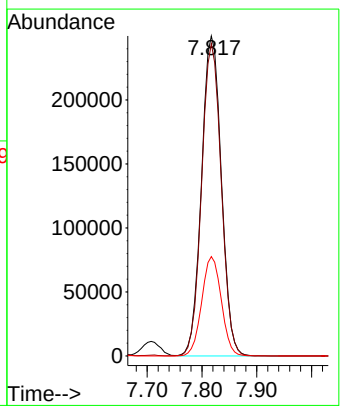


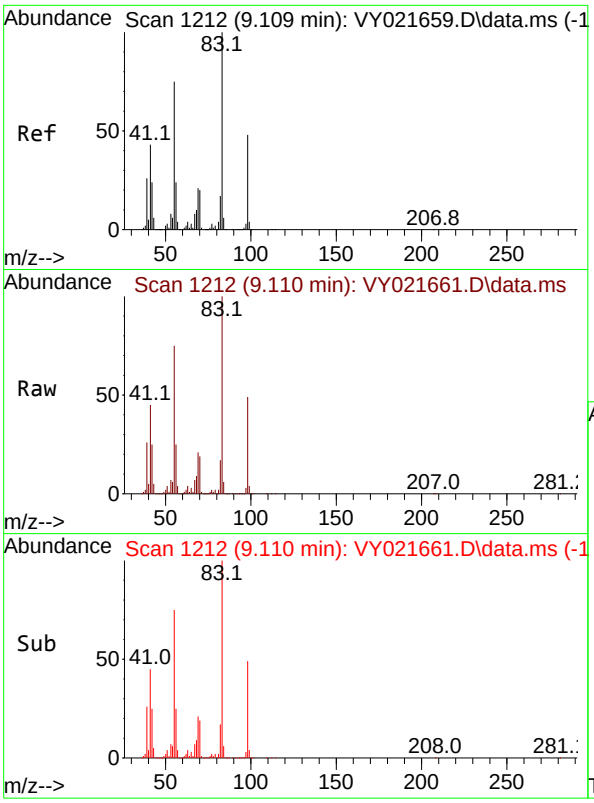


#38
Carbon Tetrachloride
Concen: 134.452 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 627331

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.2	114.4
121	31.0	24.2	36.4



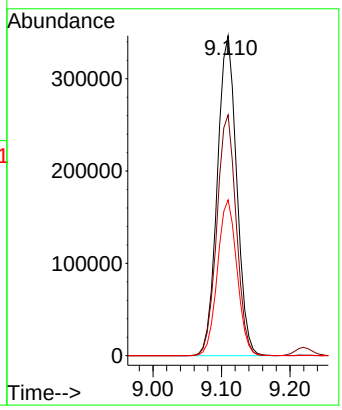


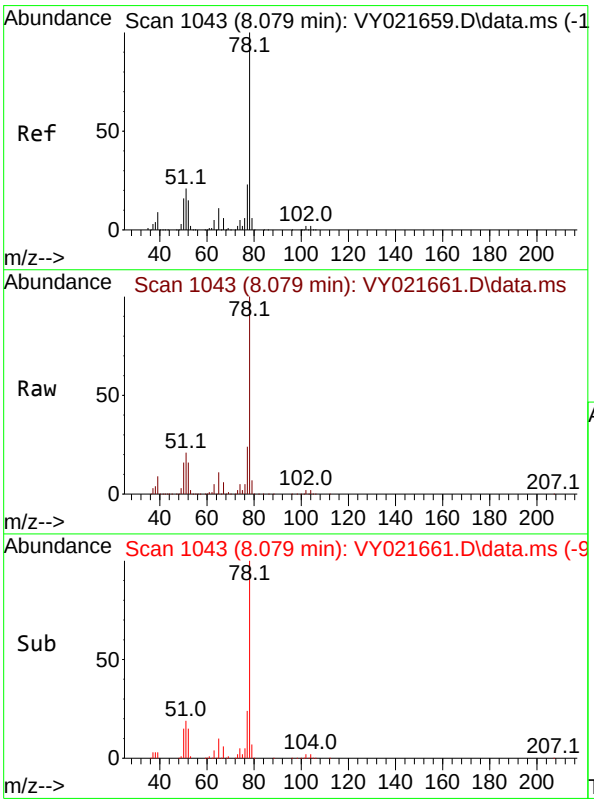
#39
Methylcyclohexane
Concen: 139.666 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 679694

Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.7	89.5
98	48.7	38.3	57.5

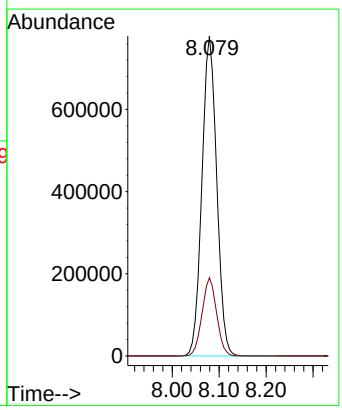


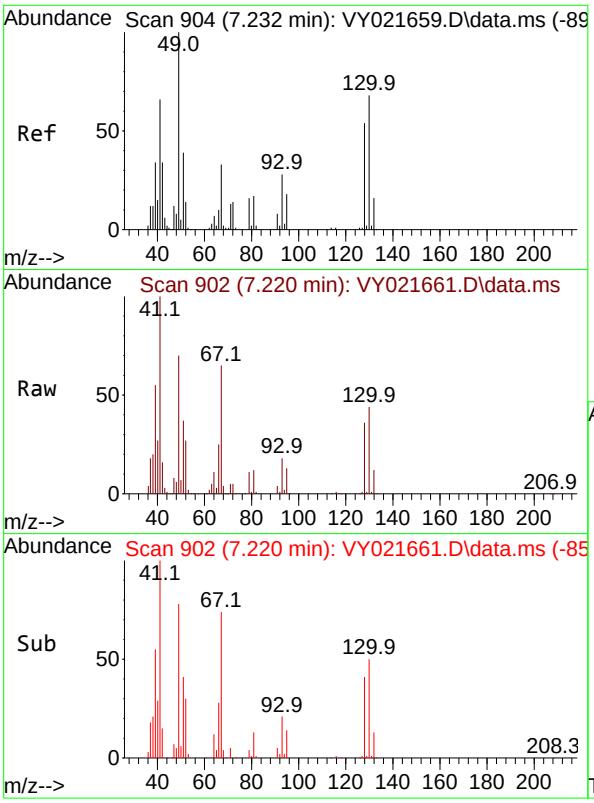


#40
Benzene
Concen: 139.014 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 78 Resp: 1695962

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



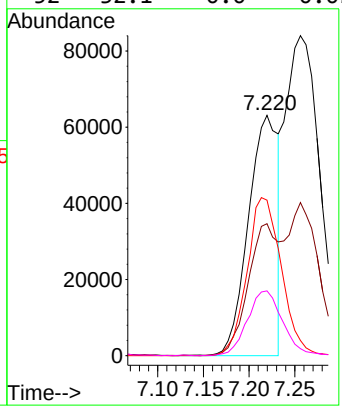


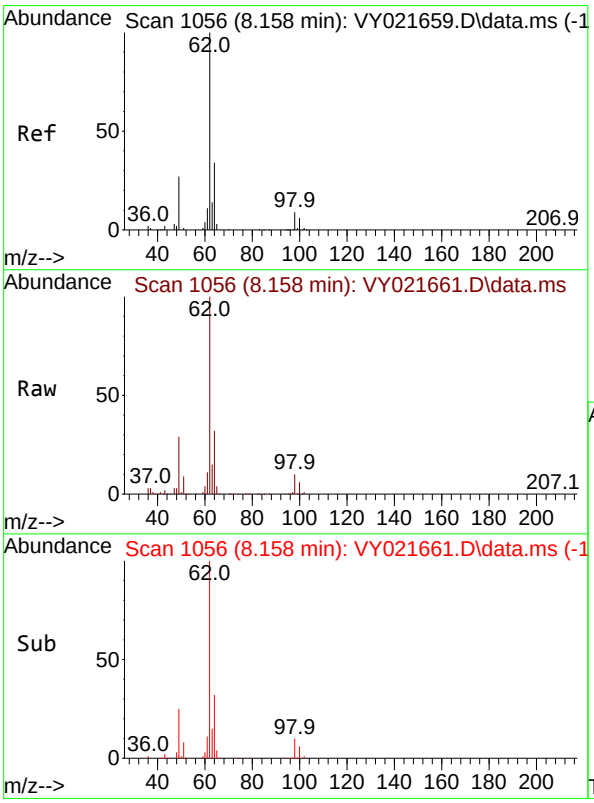
#41
Methacrylonitrile
Concen: 140.447 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 143387

Ion	Ratio	Lower	Upper
41	100		
39	54.1	0.0	0.0#
67	75.9	0.0	0.0#
52	32.1	0.0	0.0#

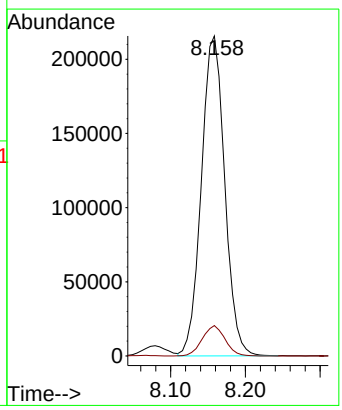


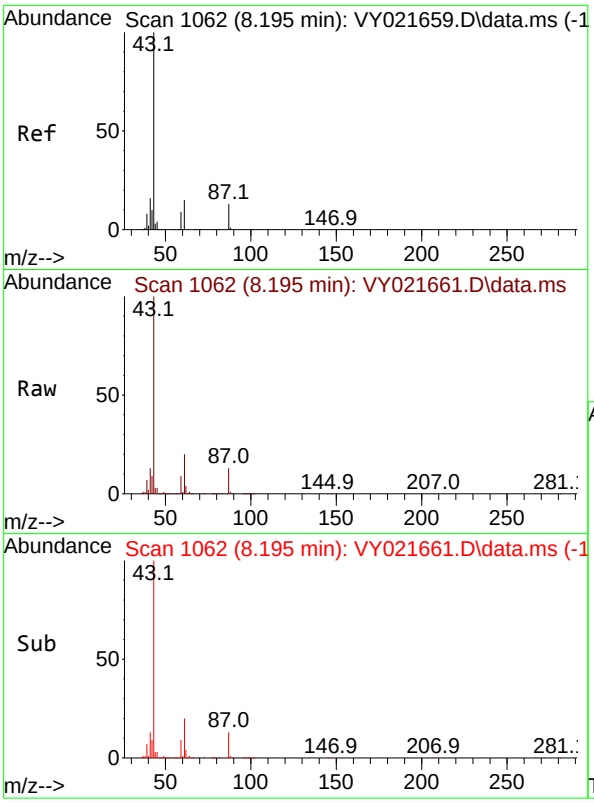


#42
1,2-Dichloroethane
Concen: 136.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 468317

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



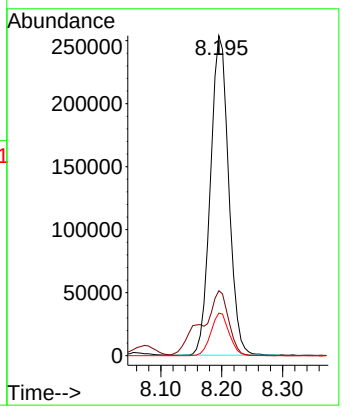


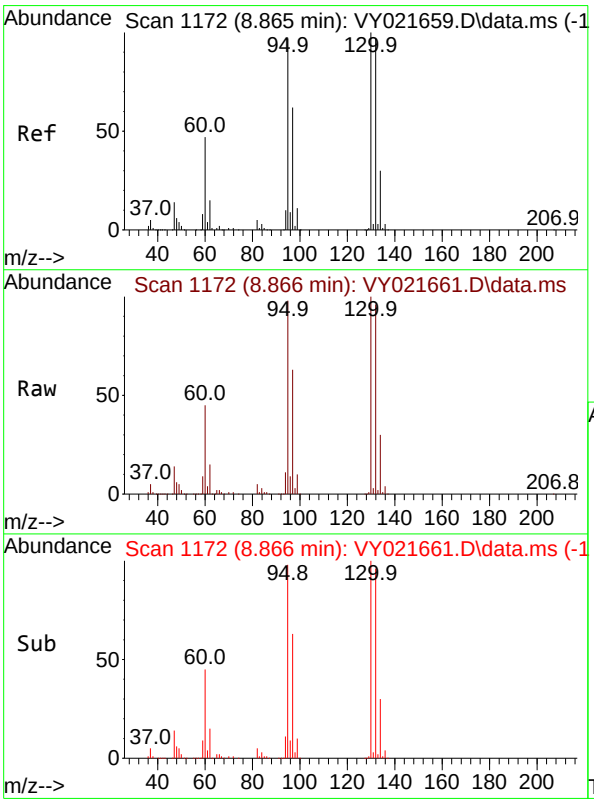
#43
Isopropyl Acetate
Concen: 144.731 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 527316

Ion	Ratio	Lower	Upper
43	100		
61	29.7	15.9	23.9#
87	13.3	10.4	15.6

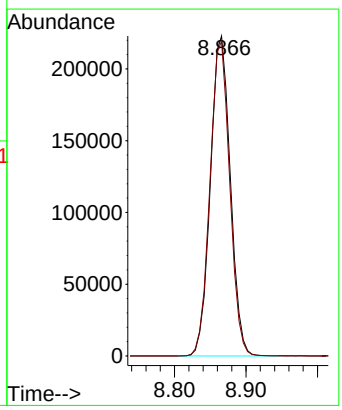


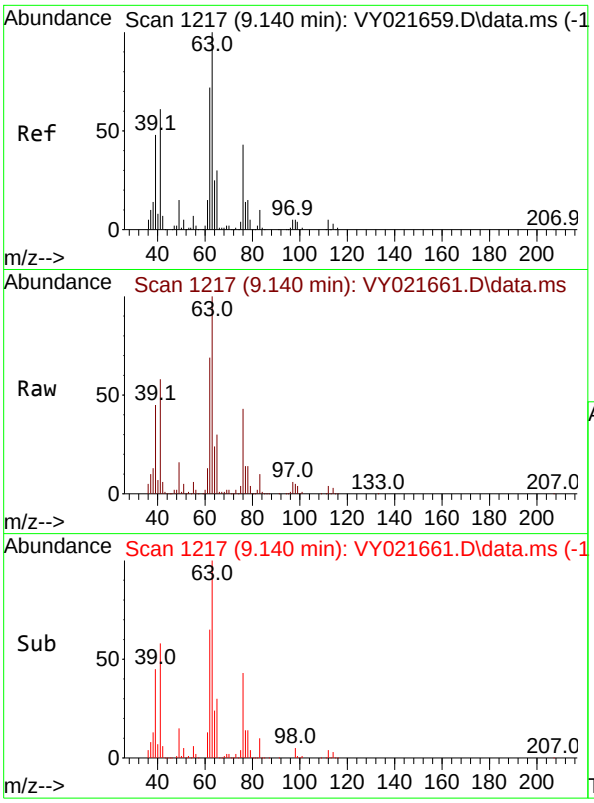


#44
Trichloroethene
Concen: 138.536 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:130 Resp: 430629

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	194.8



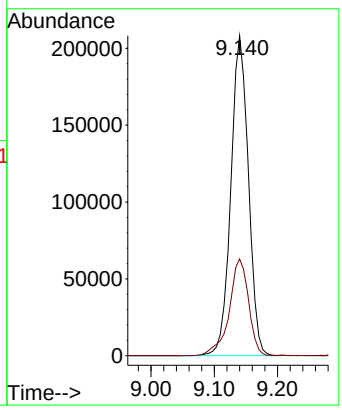


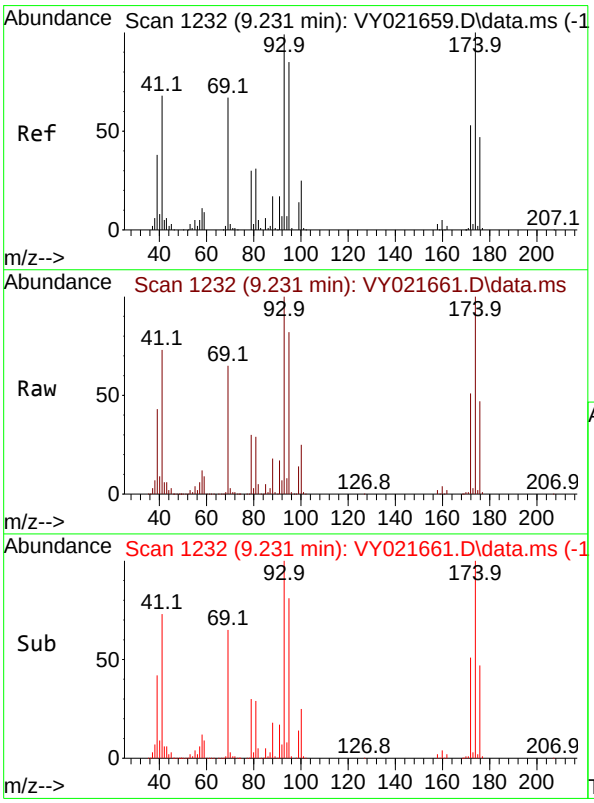
#45
1,2-Dichloropropane
Concen: 139.191 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 401955

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.4	36.6

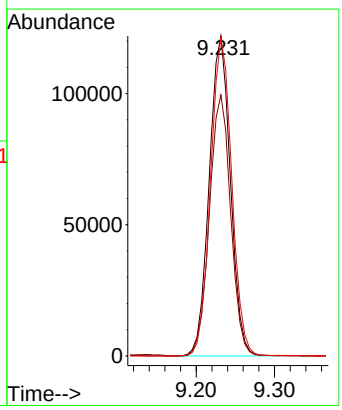


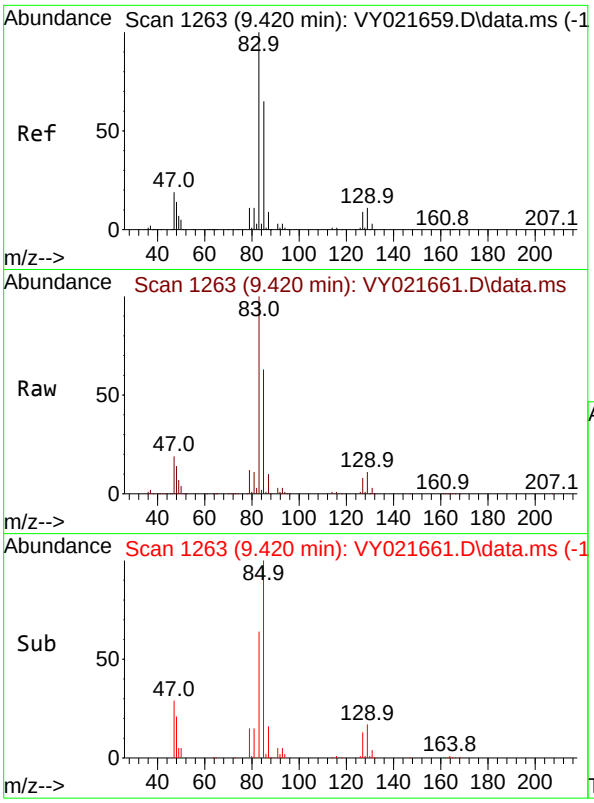


#46
Dibromomethane
Concen: 137.167 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 93 Resp: 228287

Ion	Ratio	Lower	Upper
93	100		
95	82.1	68.1	102.1
174	99.7	80.9	121.3



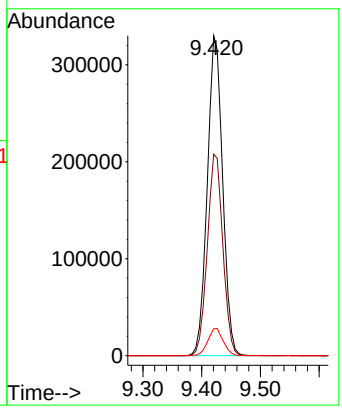


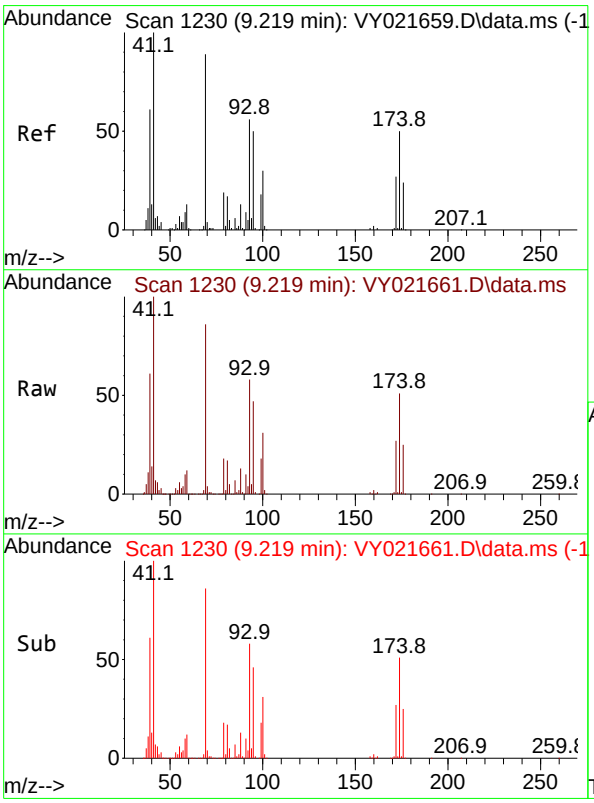
#47
Bromodichloromethane
Concen: 138.764 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 598421

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6
127	8.4	6.8	10.2

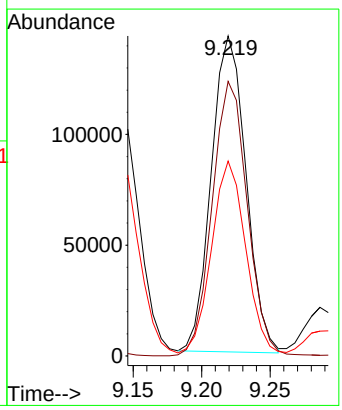


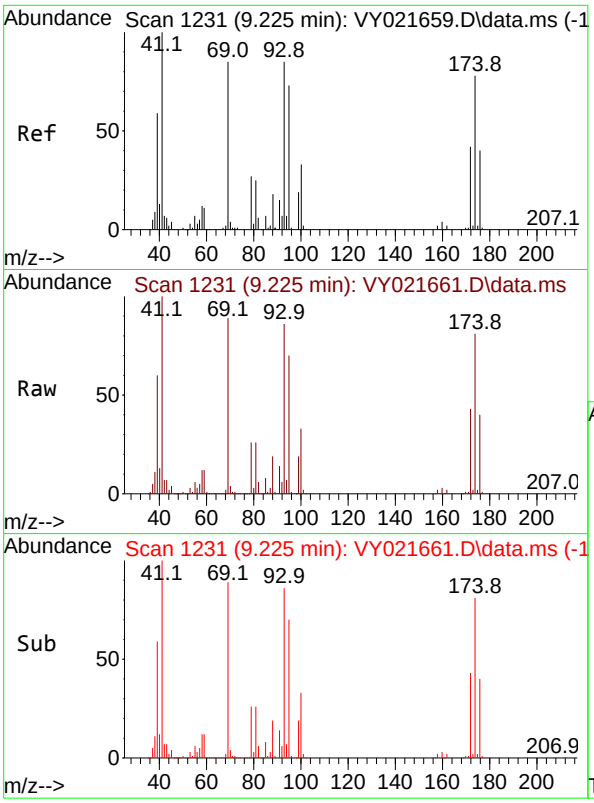


#48
Methyl methacrylate
Concen: 150.306 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 251339

Ion	Ratio	Lower	Upper
41	100		
69	88.1	69.8	104.8
39	59.6	47.2	70.8



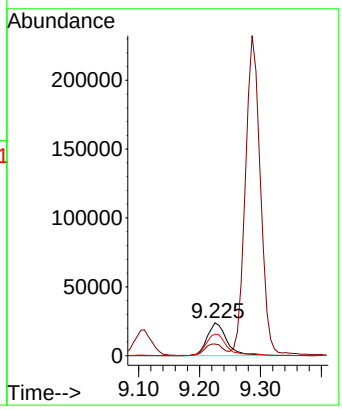


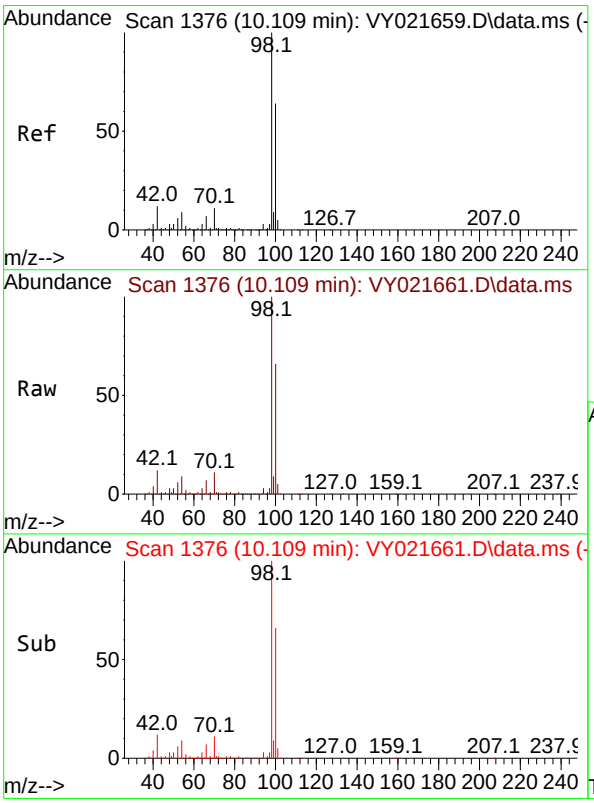
#49
1,4-Dioxane
Concen: 2991.658 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 53338

Ion	Ratio	Lower	Upper
88	100		
43	33.6	28.8	43.2
58	67.8	59.4	89.2

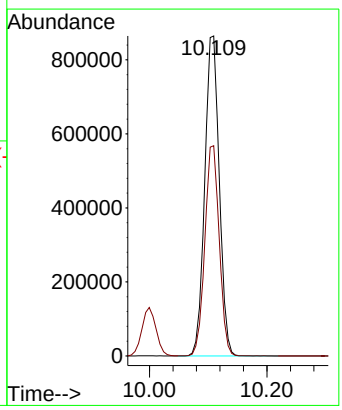


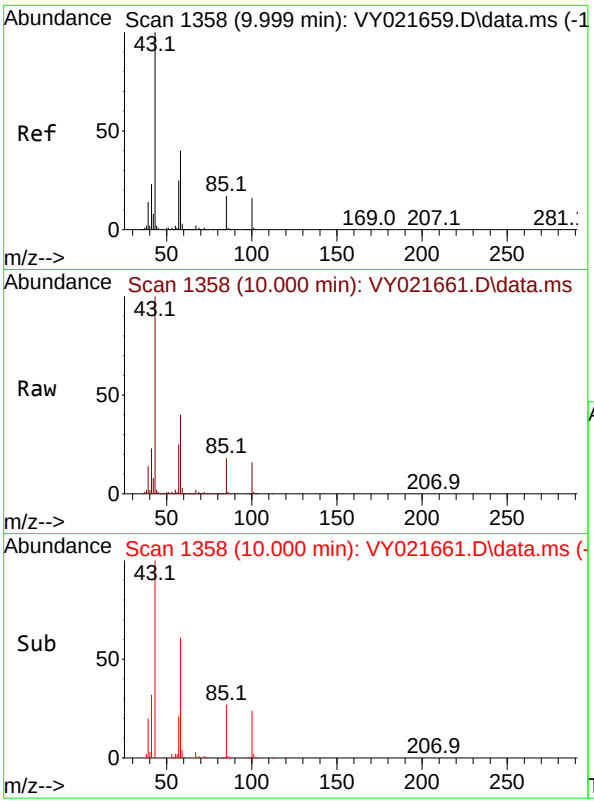


#50
Toluene-d8
Concen: 146.020 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 98 Resp: 1485725

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



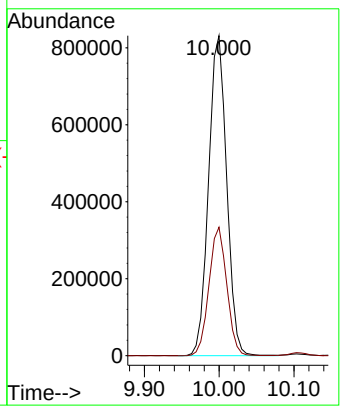


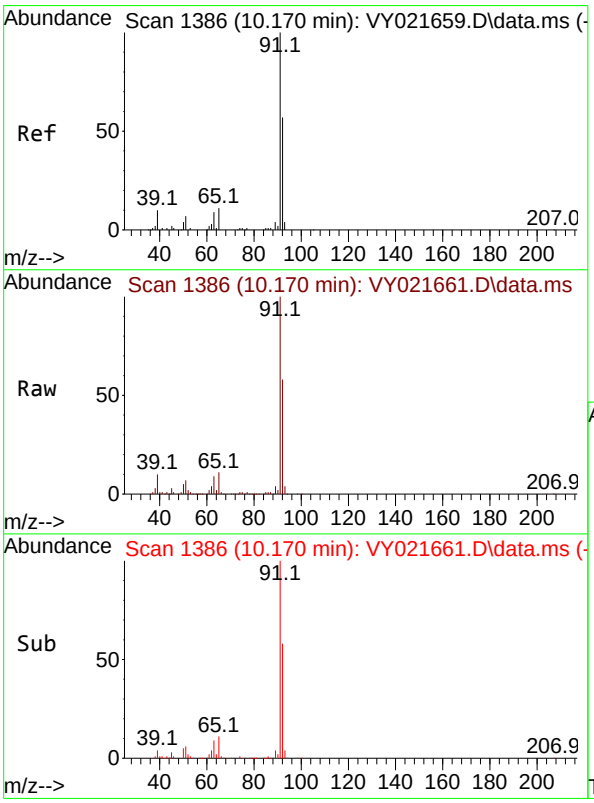
#51
4-Methyl-2-Pentanone
Concen: 737.160 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1397678

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.5	47.3

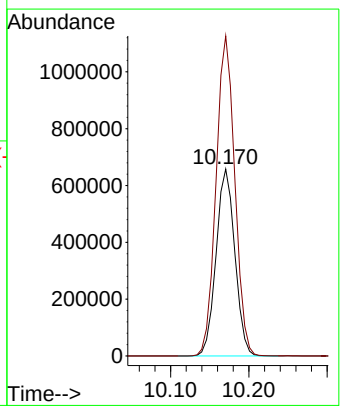


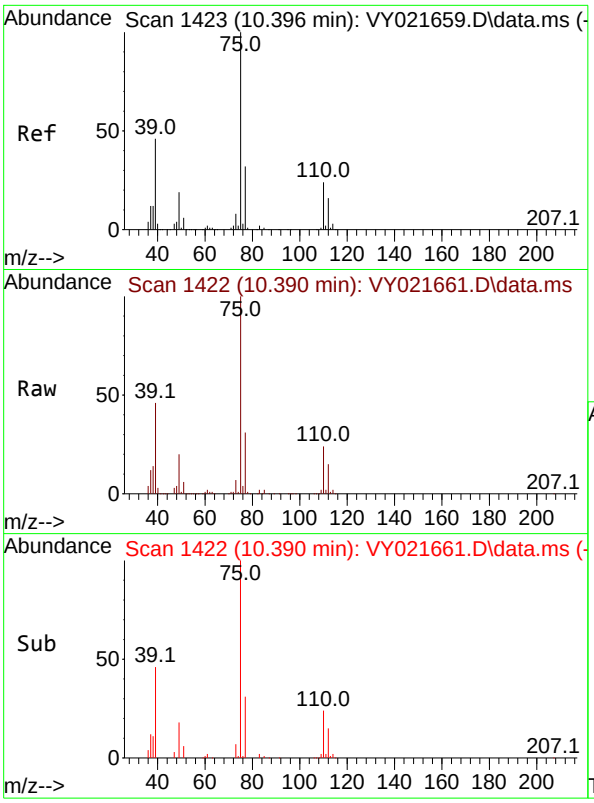


#52
Toluene
Concen: 143.758 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 92 Resp: 1094229

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.6	207.8



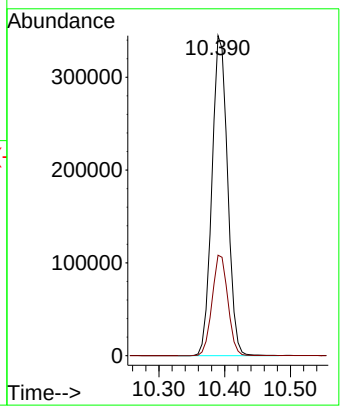


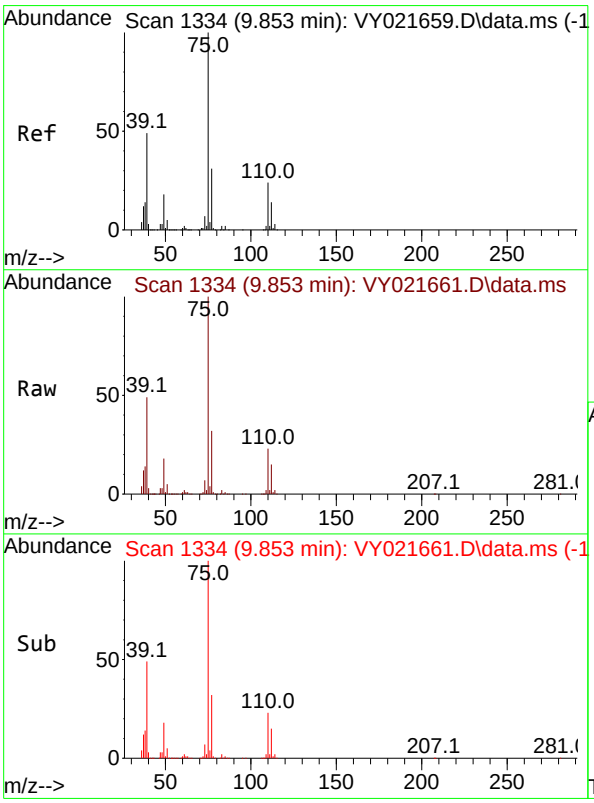
#53
t-1,3-Dichloropropene
Concen: 148.908 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 570388

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9

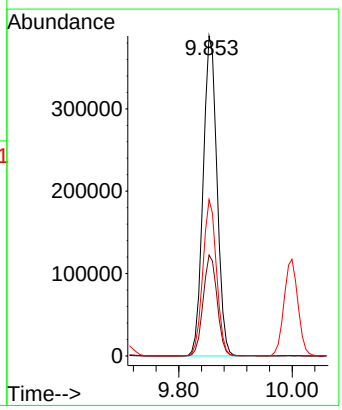


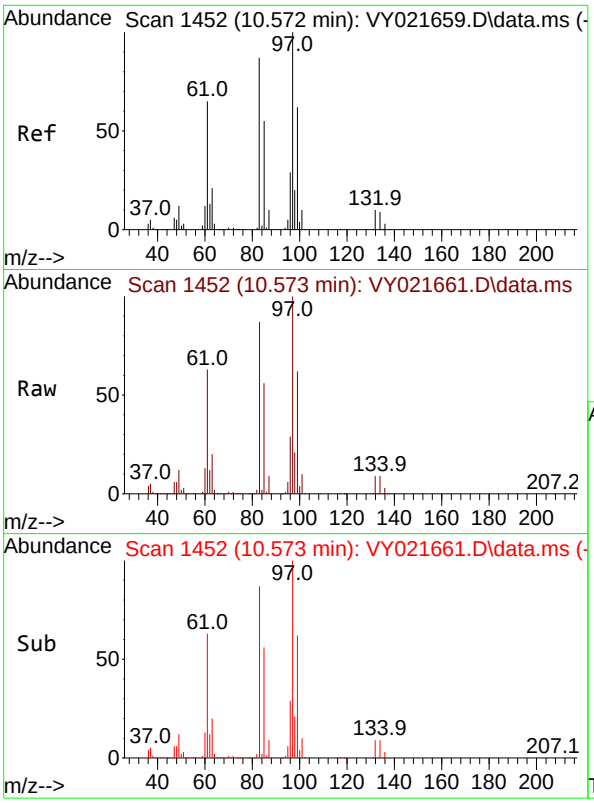


#54
cis-1,3-Dichloropropene
Concen: 146.159 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 660476

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	48.8	39.2	58.8



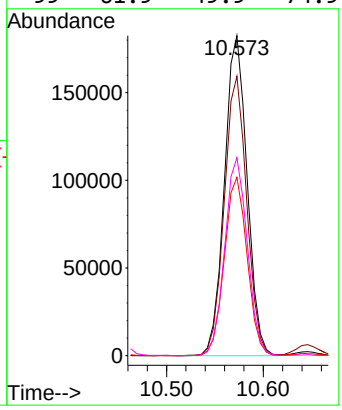


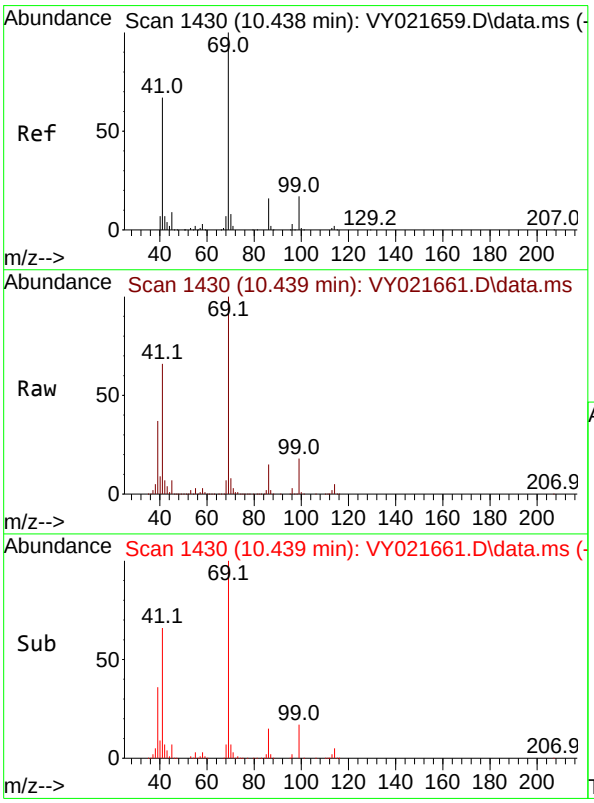
#55
1,1,2-Trichloroethane
Concen: 138.396 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 296412

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.5	104.3
85	55.8	43.9	65.9
99	61.9	49.9	74.9

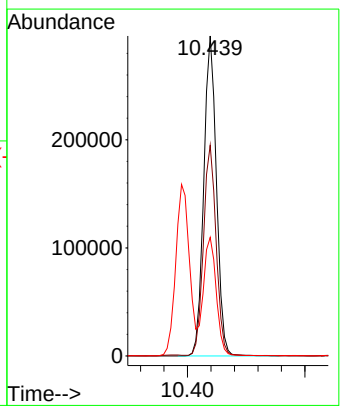


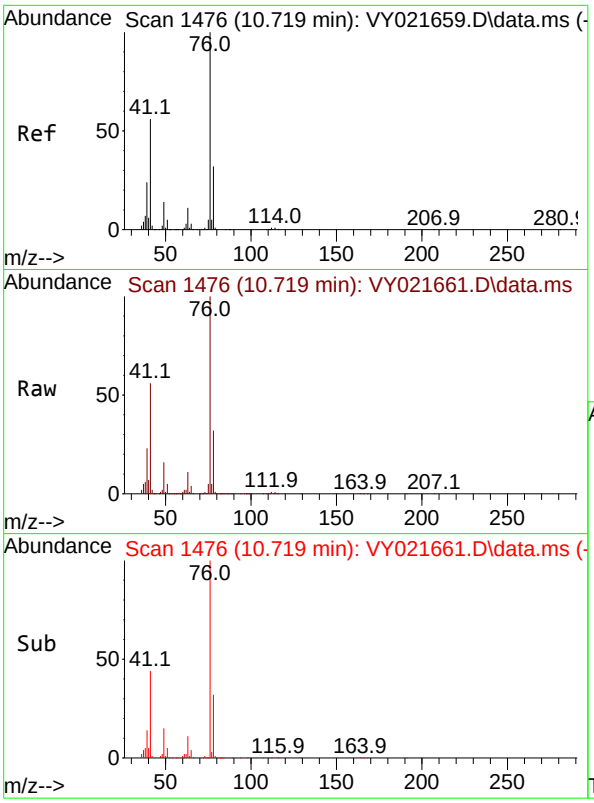


#56
Ethyl methacrylate
Concen: 162.176 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 69 Resp: 443517

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.8	80.6
39	37.9	29.6	44.4



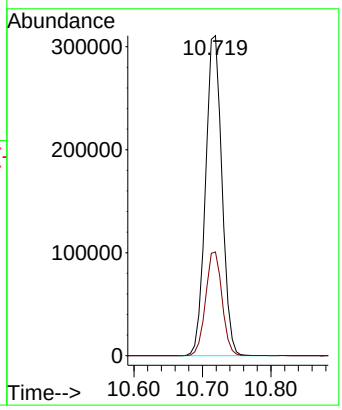


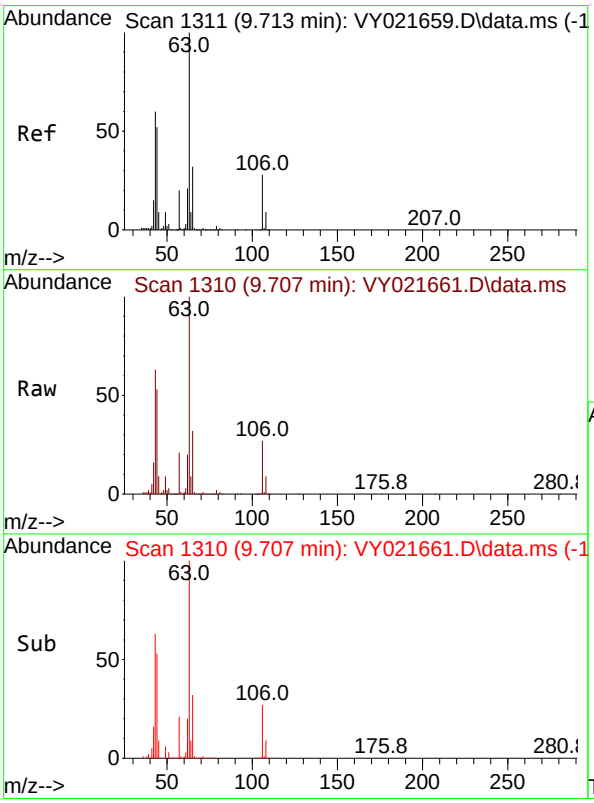
#57
1,3-Dichloropropane
Concen: 139.961 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 517706

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

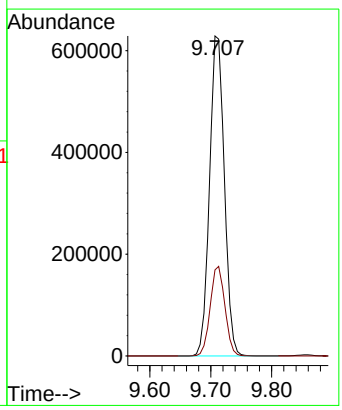


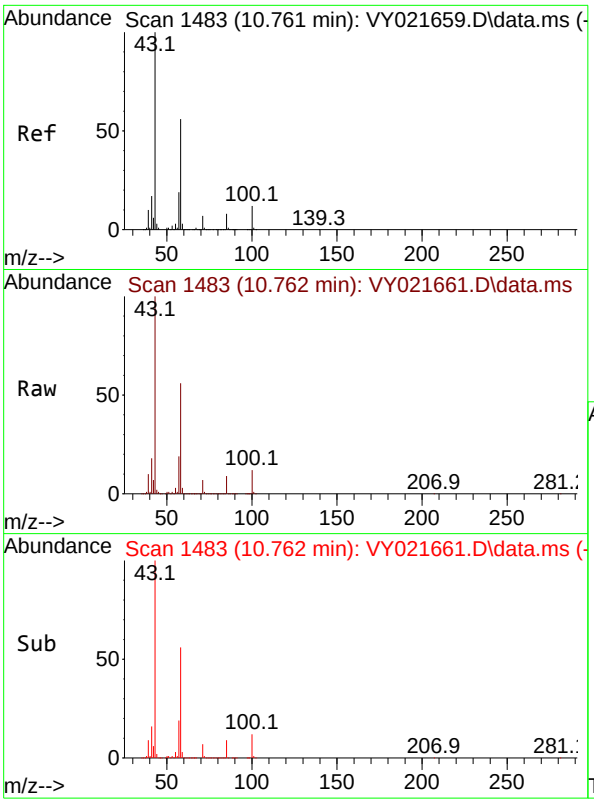


#58
2-Chloroethyl Vinyl ether
Concen: 795.867 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 1061779

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.4	33.6



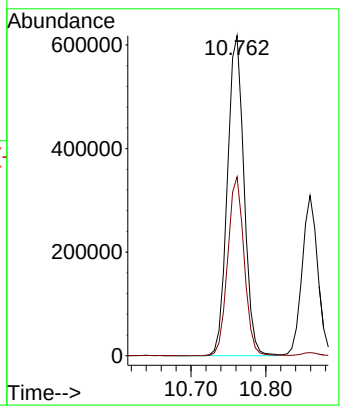


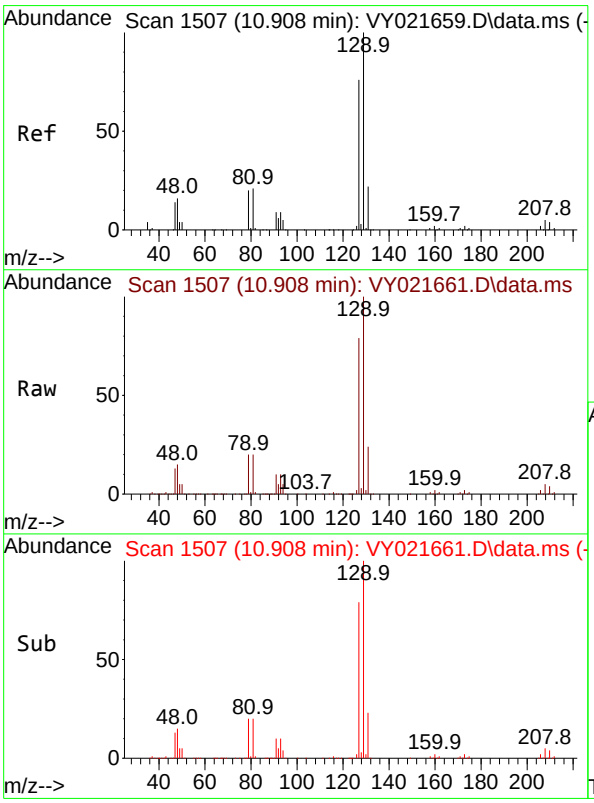
#59
2-Hexanone
Concen: 756.341 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 955051

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.2	81.5

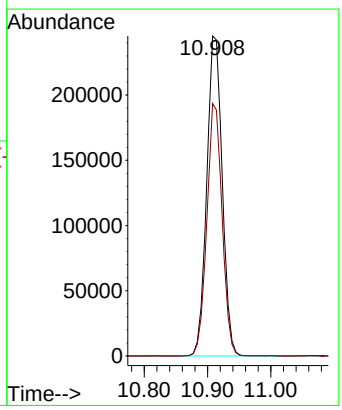


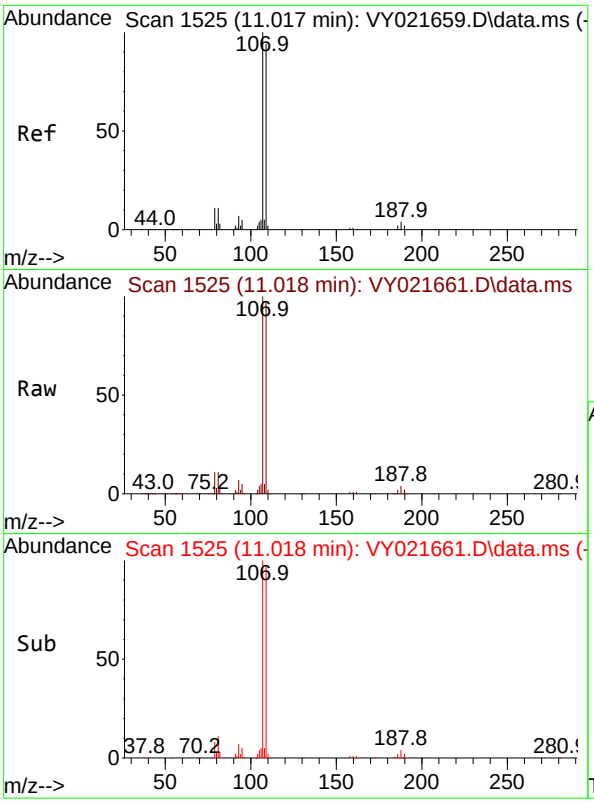


#60
Dibromochloromethane
Concen: 142.682 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:129 Resp: 417230

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7



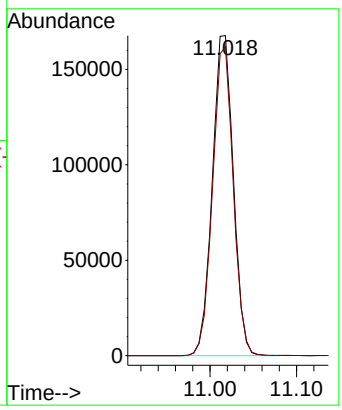


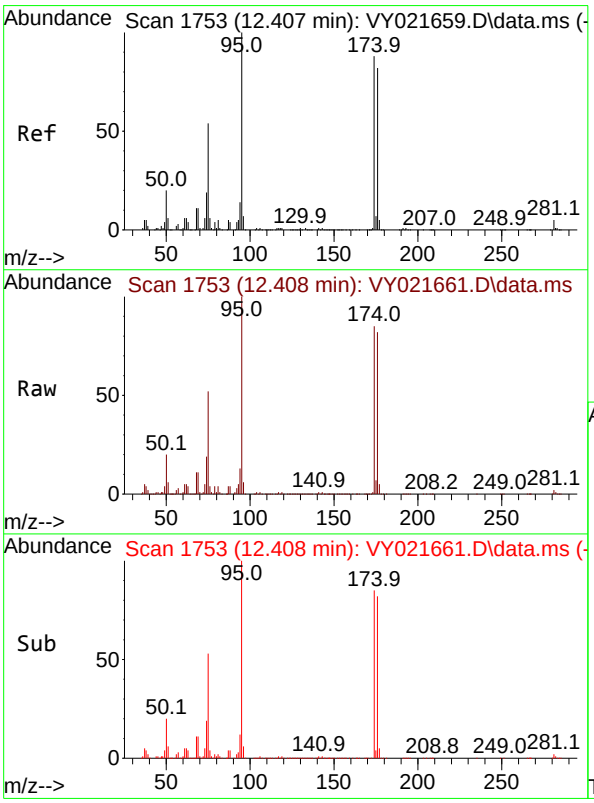
#61
1,2-Dibromoethane
Concen: 141.082 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 283453

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.4	111.6

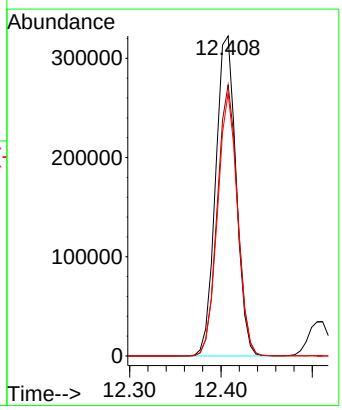


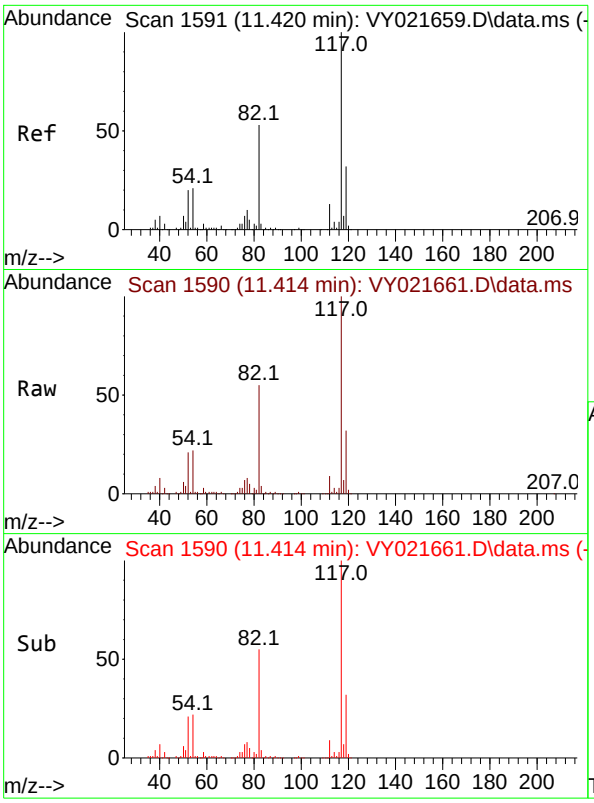


#62
4-Bromofluorobenzene
Concen: 146.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 95 Resp: 503406

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.8
176	80.1	0.0	162.0



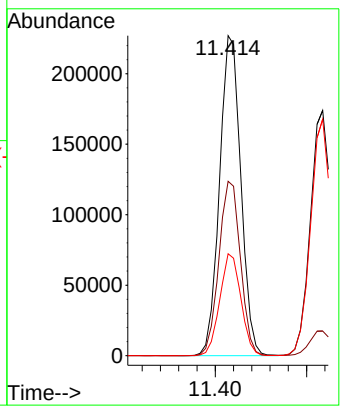


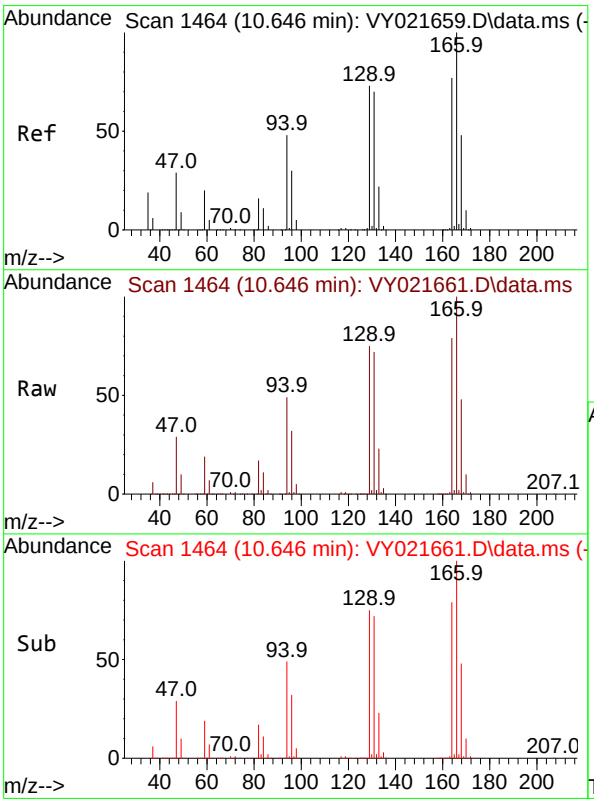
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 367282

Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.8	64.2
119	31.9	25.7	38.5

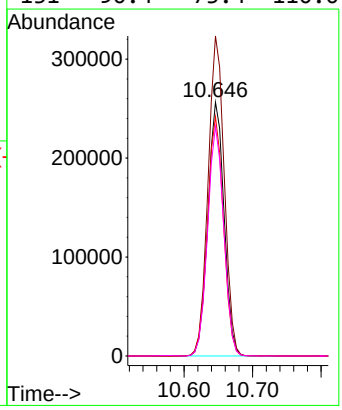


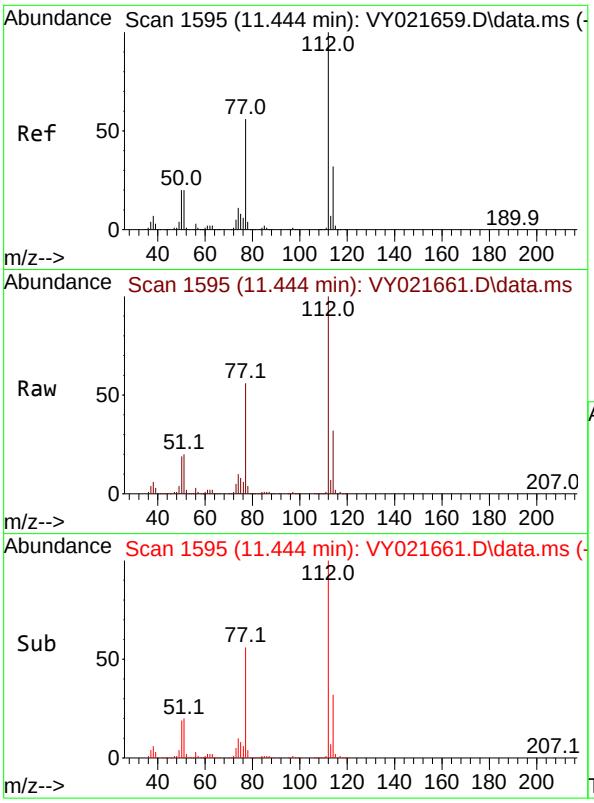


#64
Tetrachloroethene
Concen: 125.966 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:164 Resp: 421368

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.6	156.8
129	94.3	76.6	114.8
131	90.4	73.4	110.0



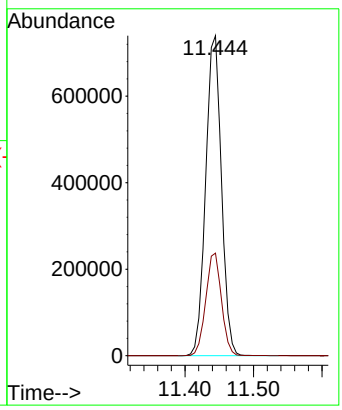


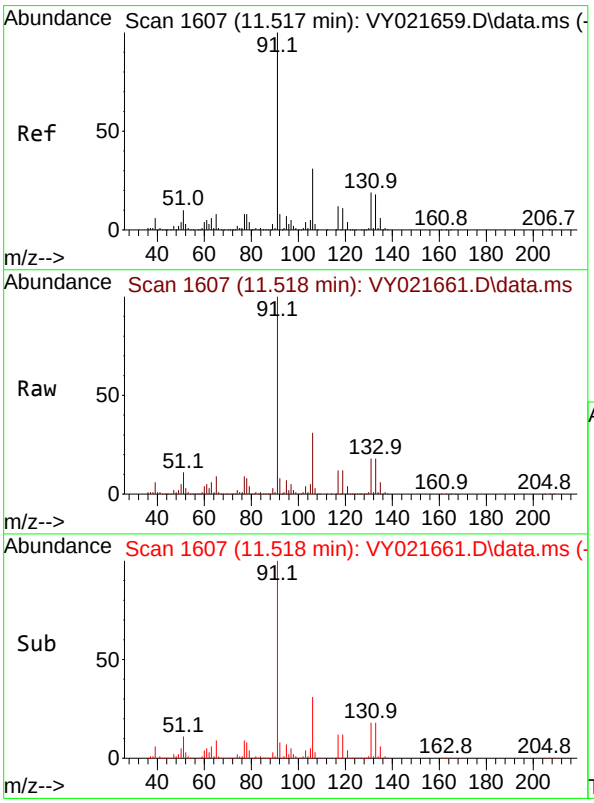
#65
Chlorobenzene
Concen: 140.483 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1182770

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

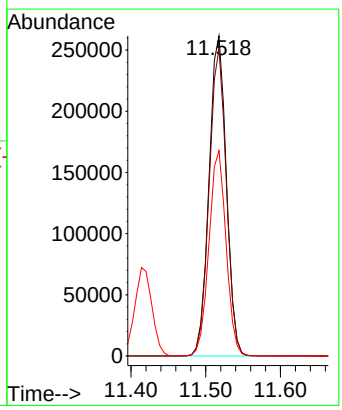


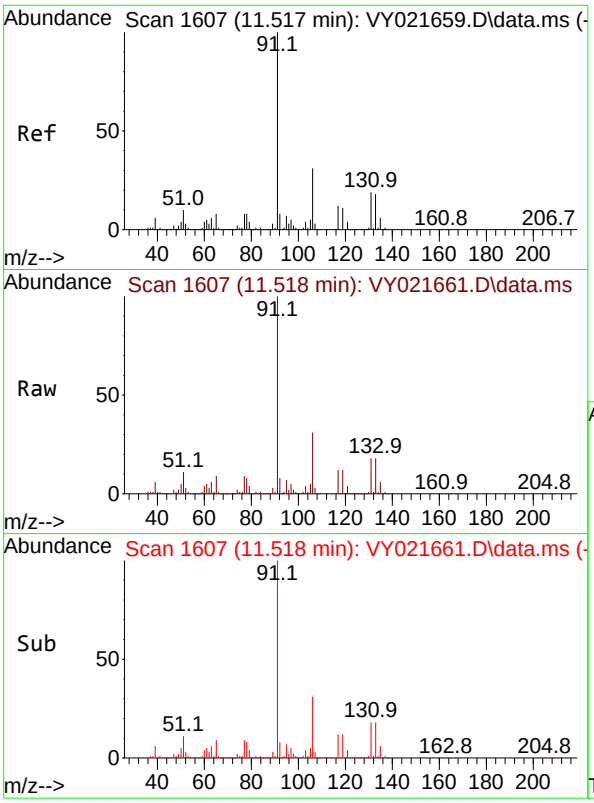


#66
1,1,1,2-Tetrachloroethane
Concen: 140.910 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:131 Resp: 420924

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.8
119	63.4	31.6	95.0



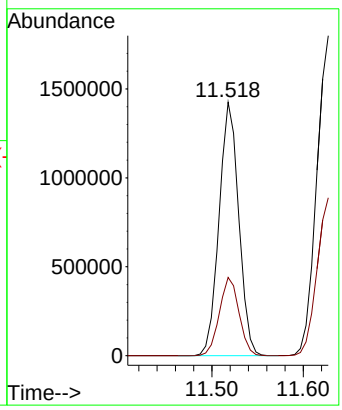


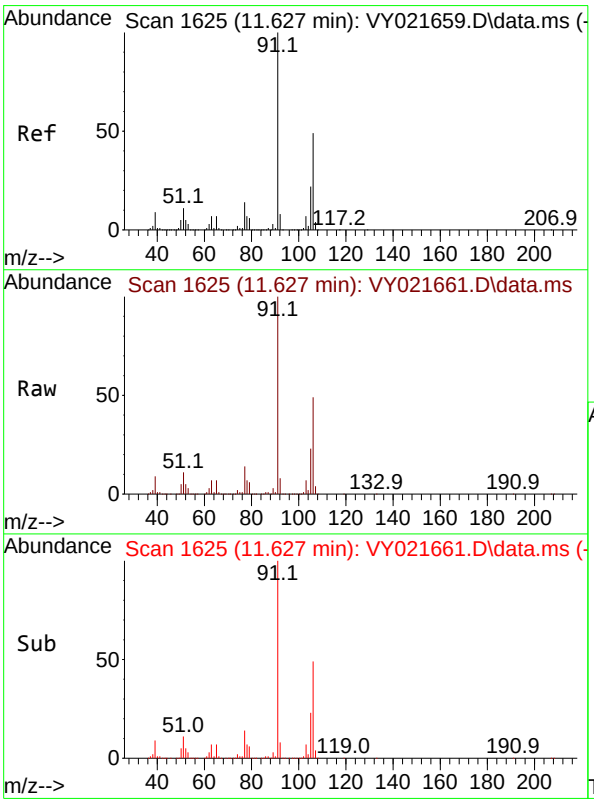
#67
Ethyl Benzene
Concen: 147.665 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2131884

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8

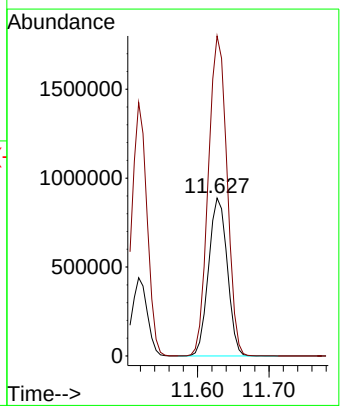


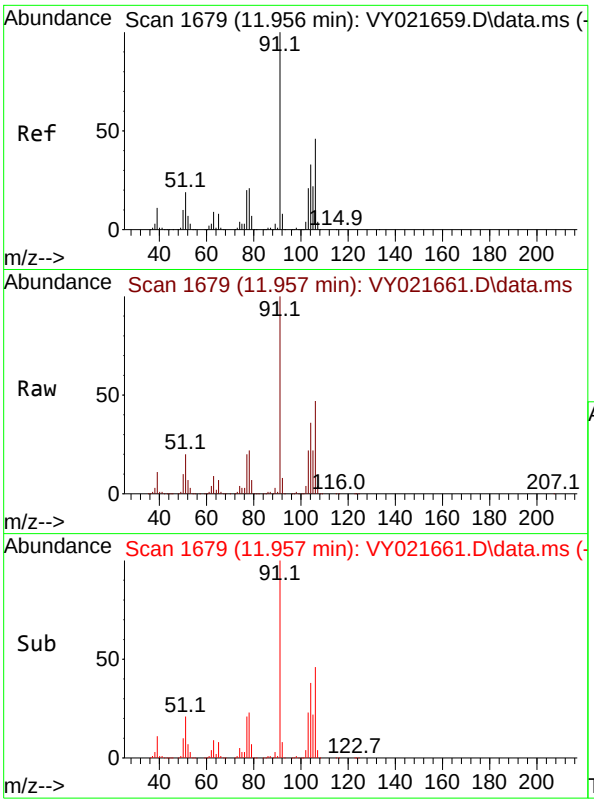


#68
m/p-Xylenes
Concen: 291.277 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:106 Resp: 1610305

Ion	Ratio	Lower	Upper
106	100		
91	203.1	162.4	243.6



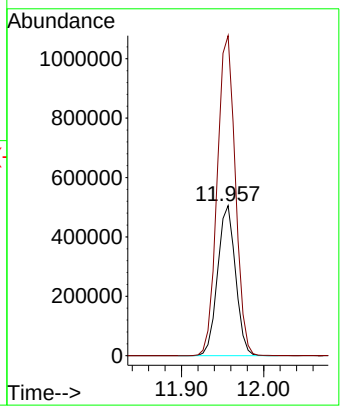


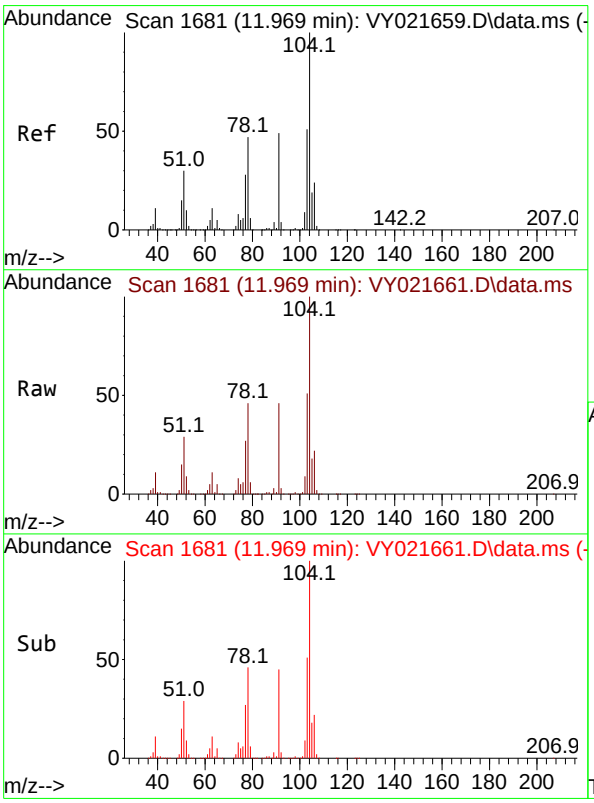
#69
o-Xylene
Concen: 149.852 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 764721

Ion	Ratio	Lower	Upper
106	100		
91	216.0	106.7	319.9

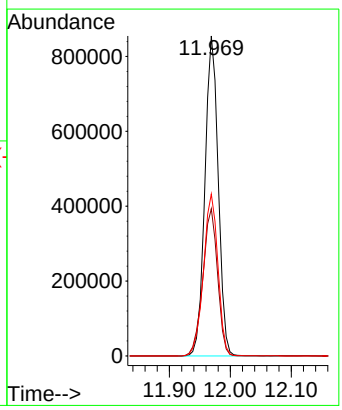


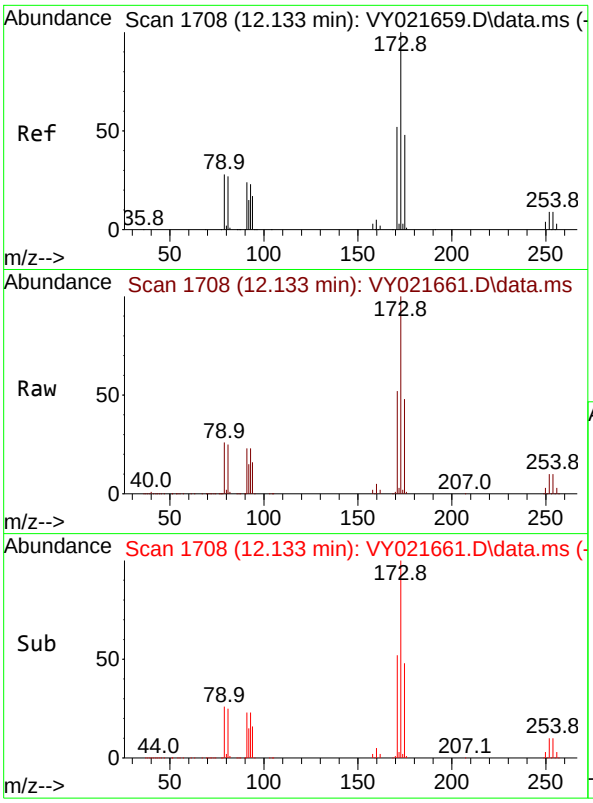


#70
Styrene
Concen: 152.877 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:104 Resp: 1300778

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.8	61.2
103	54.8	44.2	66.2



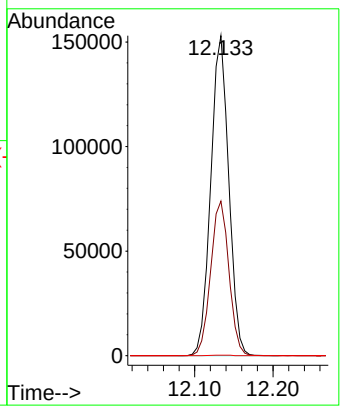


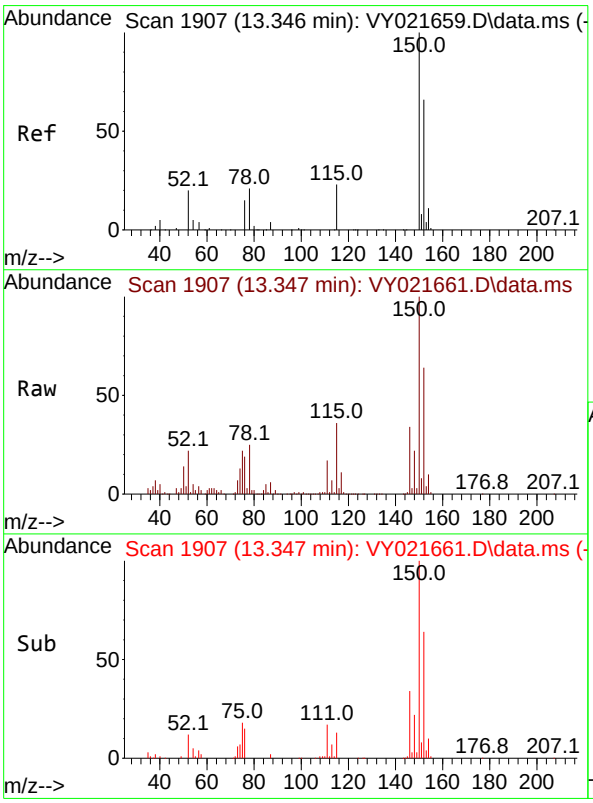
#71
Bromoform
Concen: 143.224 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 244045

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.2	0.1	0.1#

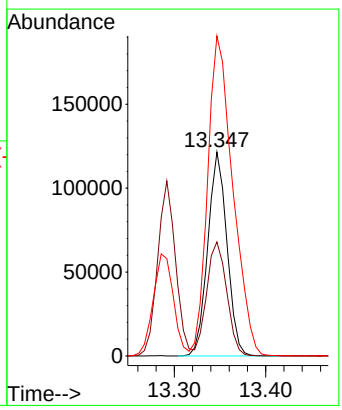


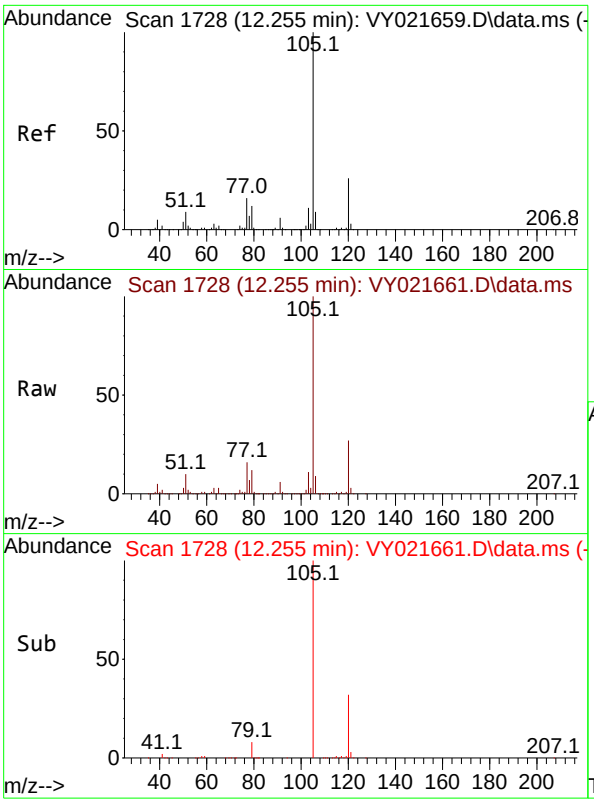


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:152 Resp: 177289

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	205.3	0.0	348.4



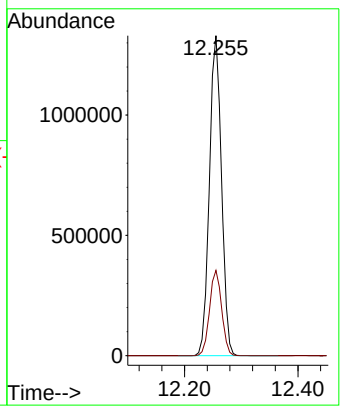


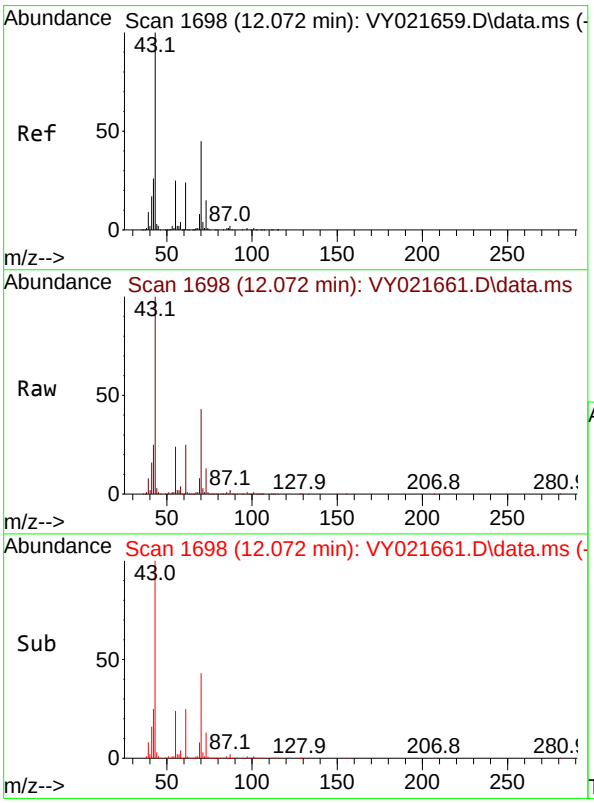
#73
Isopropylbenzene
Concen: 149.537 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1969094

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5

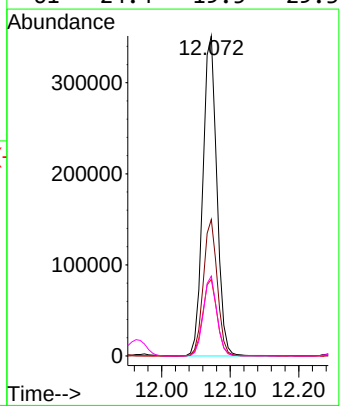


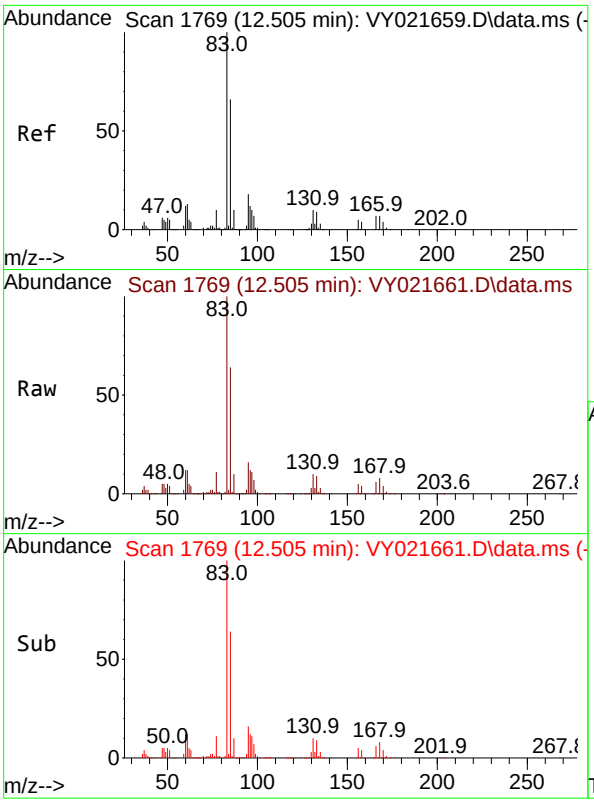


#74
N-amyl acetate
Concen: 161.437 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 498903

Ion	Ratio	Lower	Upper
43	100		
70	42.6	34.7	52.1
55	24.5	21.2	31.8
61	24.4	19.5	29.3



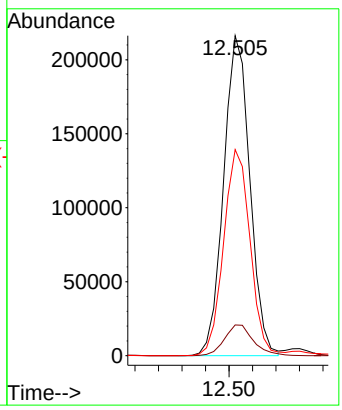


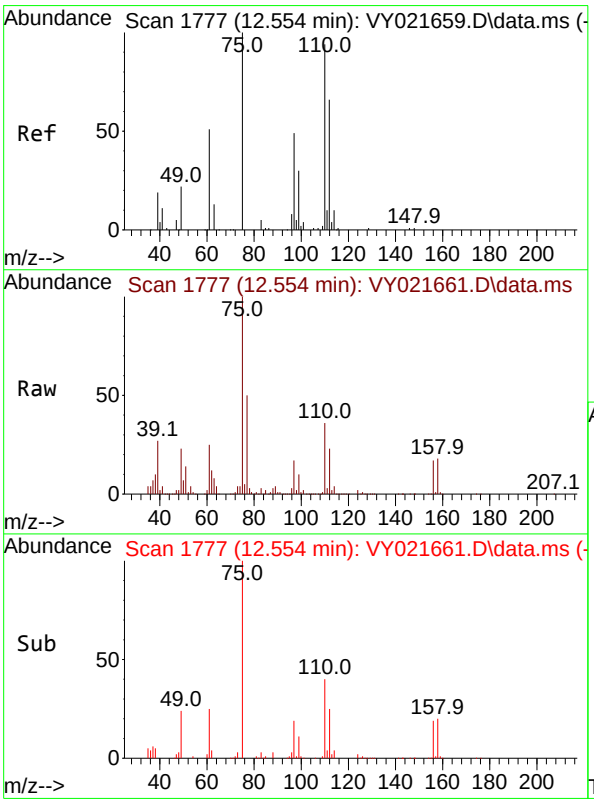
#75
1,1,2,2-Tetrachloroethane
Concen: 141.706 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 335483

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	65.1	32.3	96.8

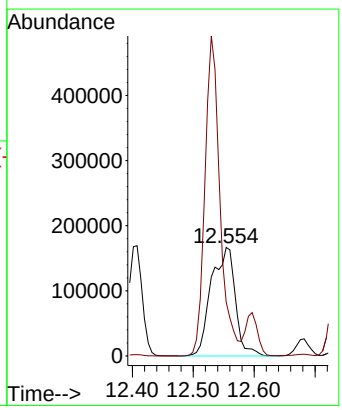


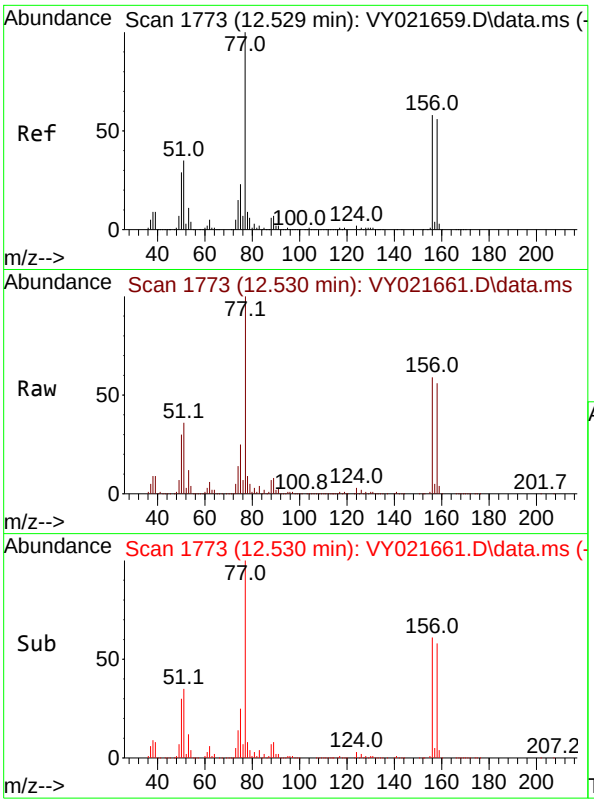


#76
1,2,3-Trichloropropane
Concen: 261.385 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 459355

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



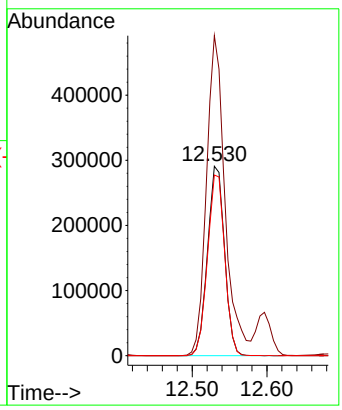


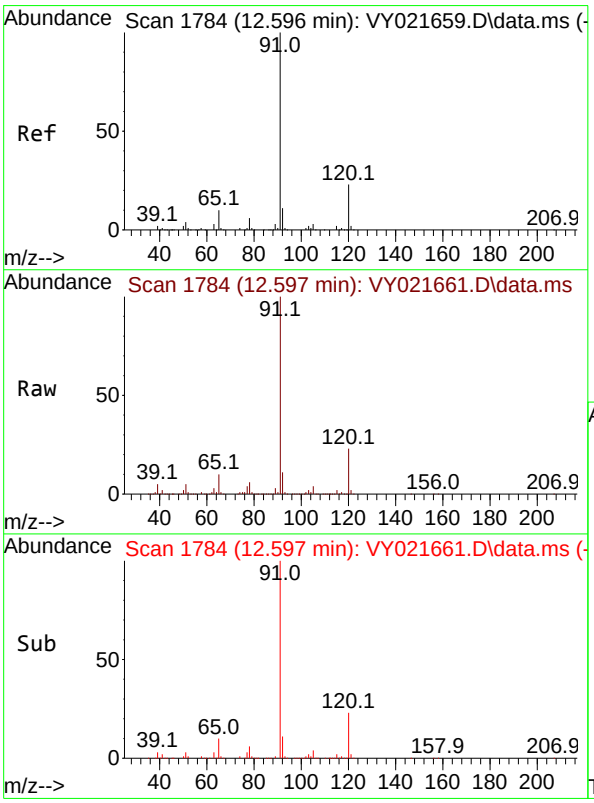
#77
Bromobenzene
Concen: 145.881 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 461221

Ion	Ratio	Lower	Upper
156	100		
77	184.1	92.8	278.3
158	96.6	48.5	145.6

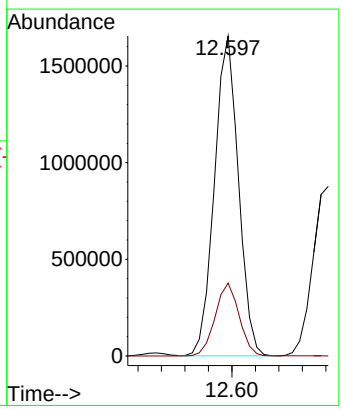


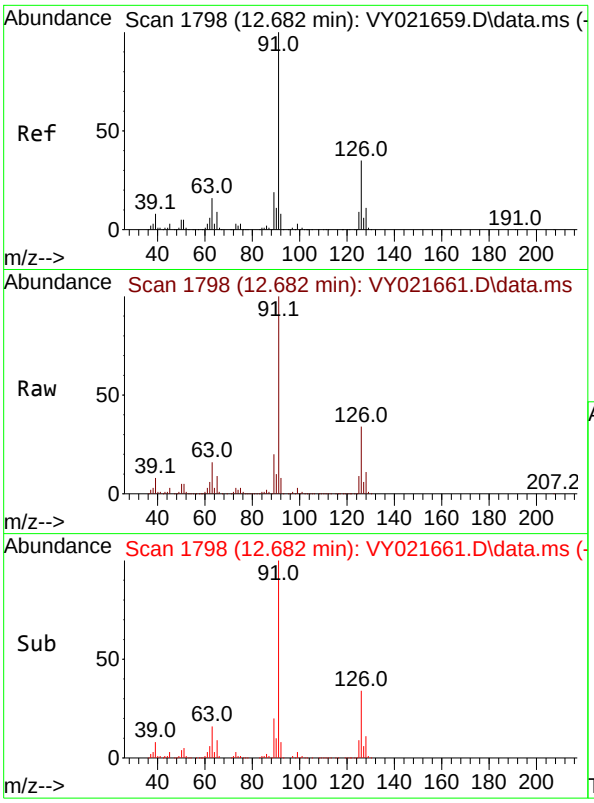


#78
n-propylbenzene
Concen: 148.082 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 2344286

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9



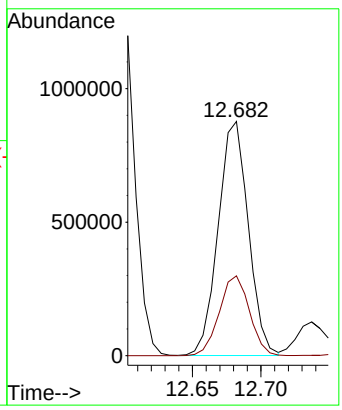


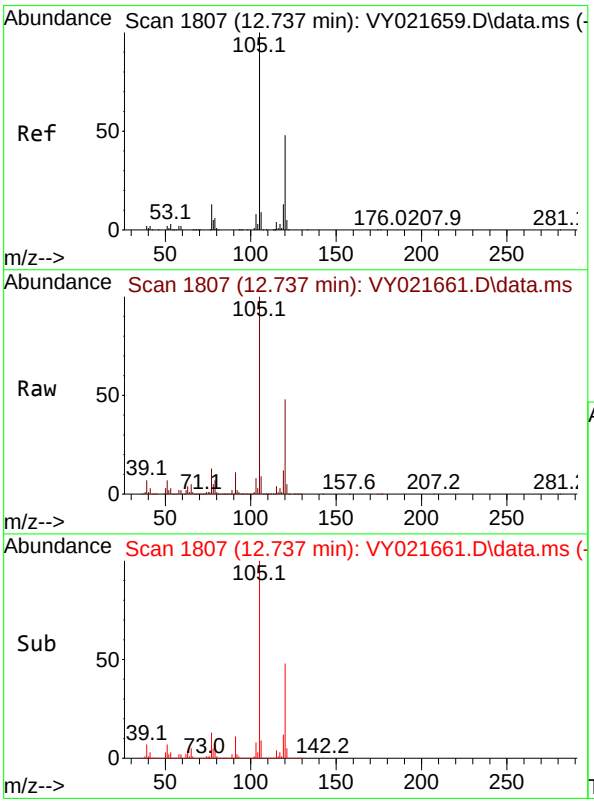
#79
2-Chlorotoluene
Concen: 146.095 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1343328

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0

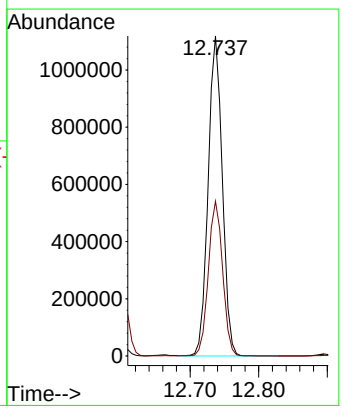


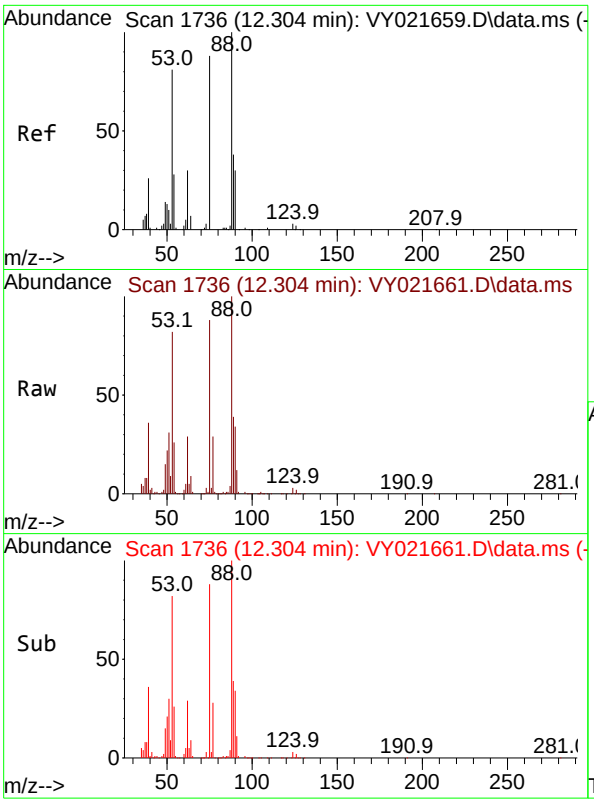


#80
1,3,5-Trimethylbenzene
Concen: 149.397 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 1607812

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.5	73.5



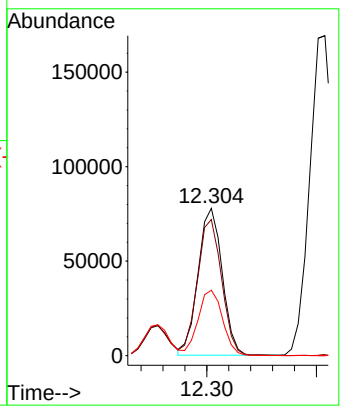


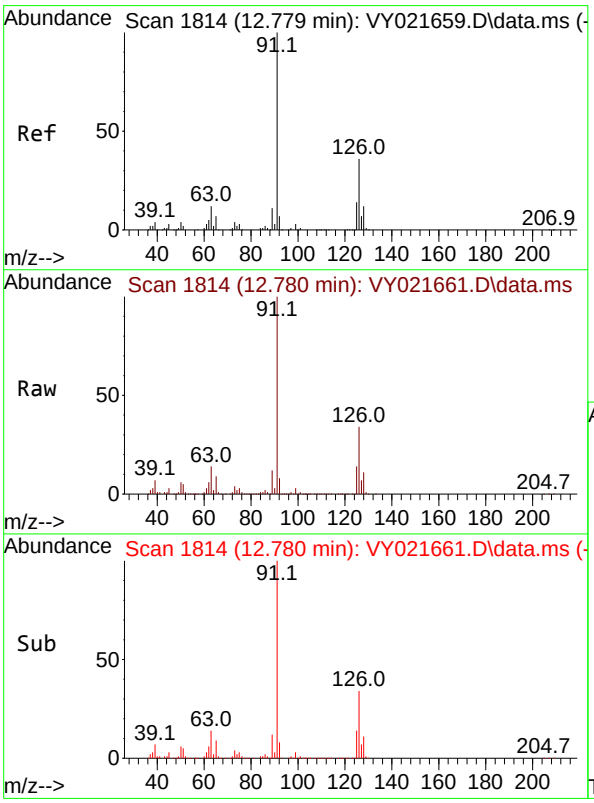
#81
trans-1,4-Dichloro-2-butene
Concen: 156.137 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 119086

Ion	Ratio	Lower	Upper
75	100		
53	93.4	76.1	114.1
89	44.8	36.2	54.4

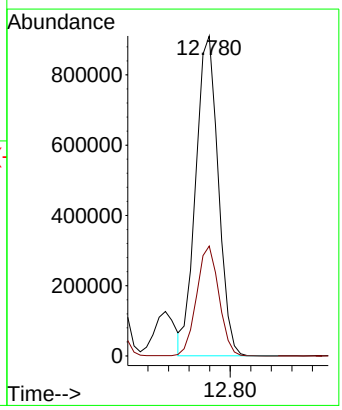


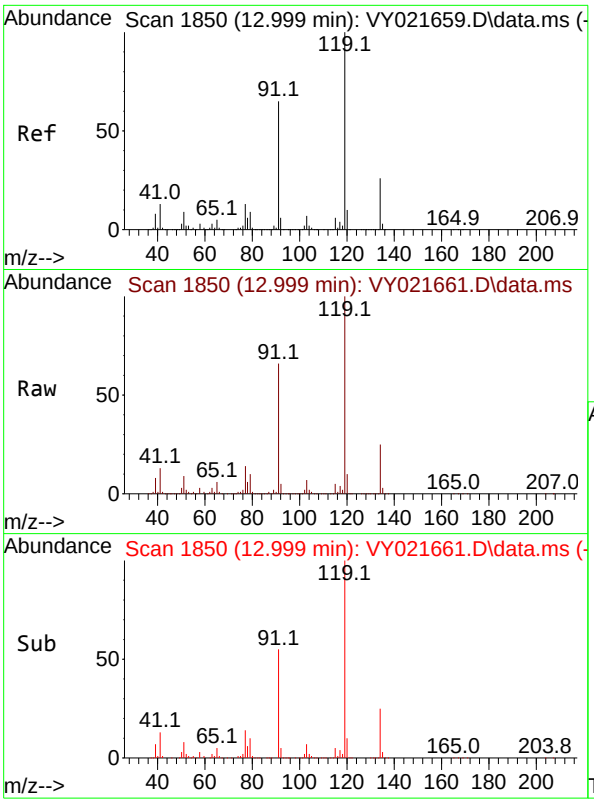


#82
4-Chlorotoluene
Concen: 144.608 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 1386233

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9



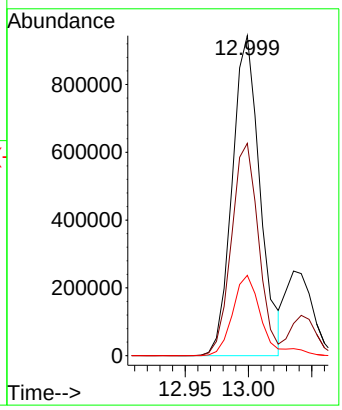


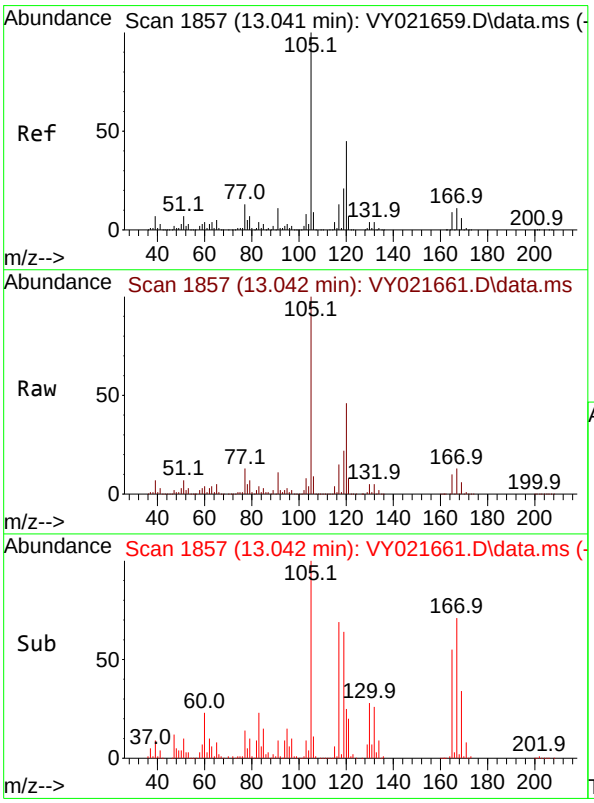
#83
tert-Butylbenzene
Concen: 150.647 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1444053

Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.6	97.7
134	26.3	13.2	39.6

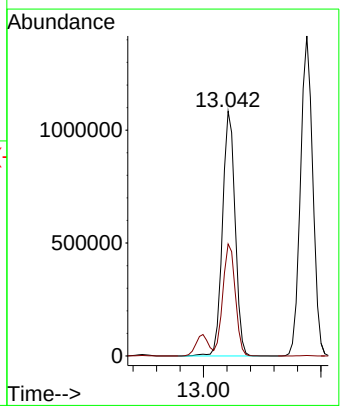


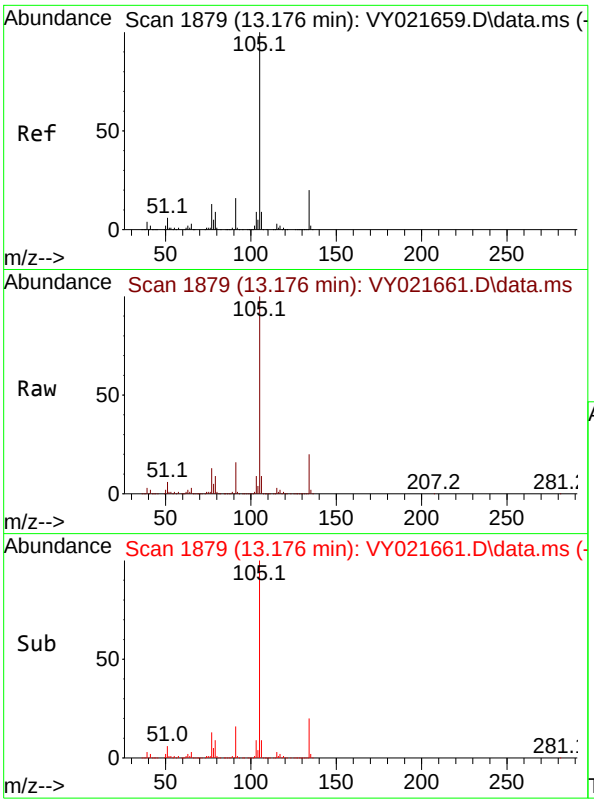


#84
1,2,4-Trimethylbenzene
Concen: 152.003 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 1616812

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1



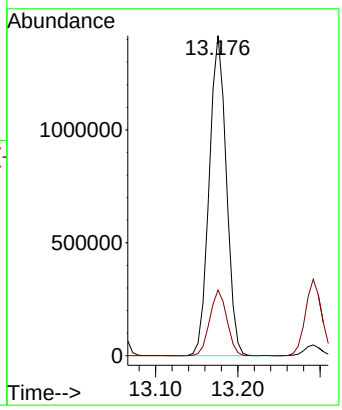


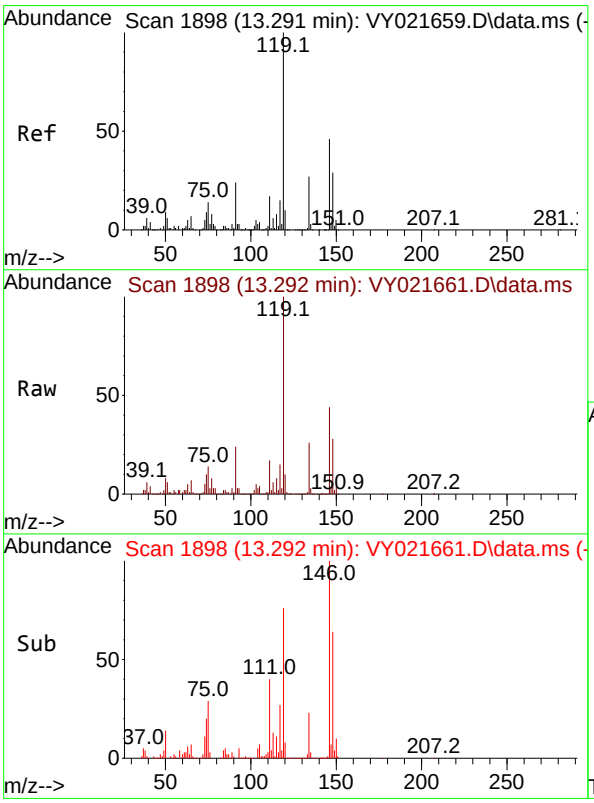
#85
sec-Butylbenzene
Concen: 146.493 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2052157

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1

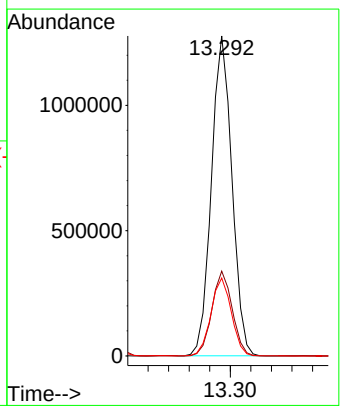


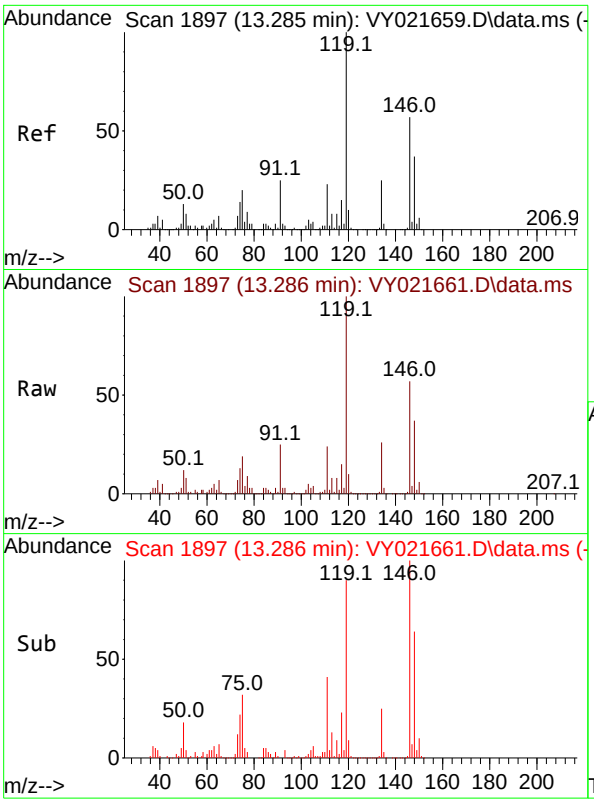


#86
p-Isopropyltoluene
Concen: 152.863 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:119 Resp: 1769866

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	24.2	12.0	36.0



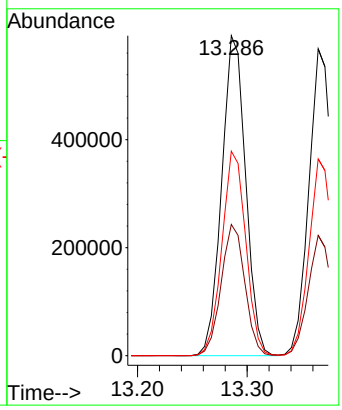


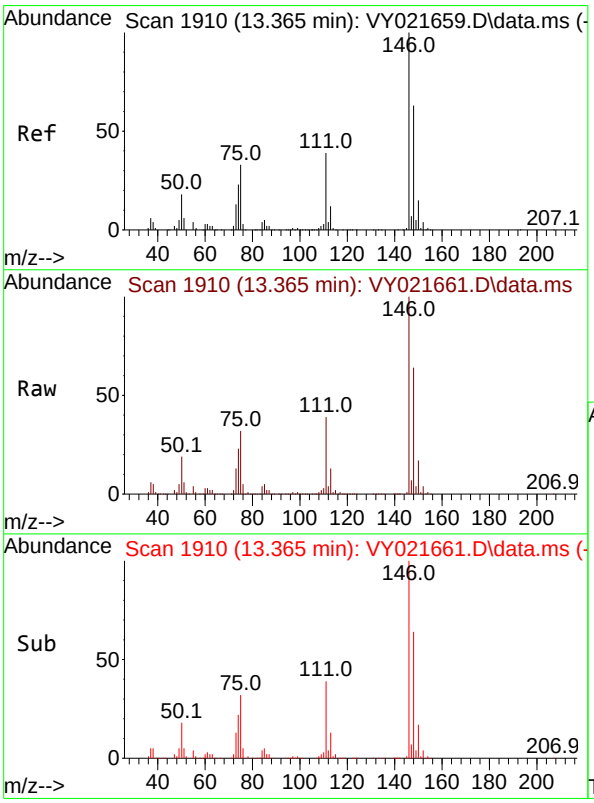
#87
1,3-Dichlorobenzene
Concen: 144.177 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 898070

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.7	31.8	95.4

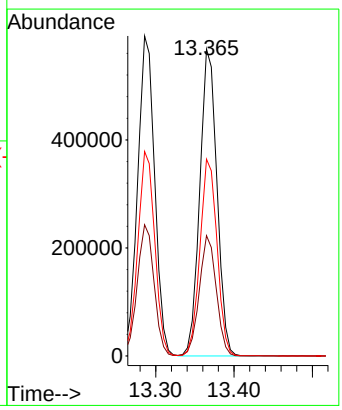


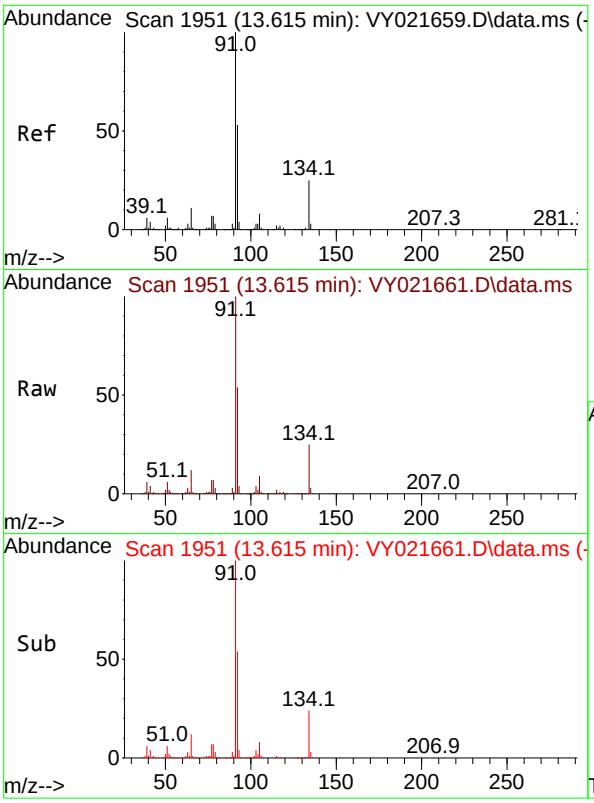


#88
1,4-Dichlorobenzene
Concen: 140.489 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 864599

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	63.9	31.5	94.5



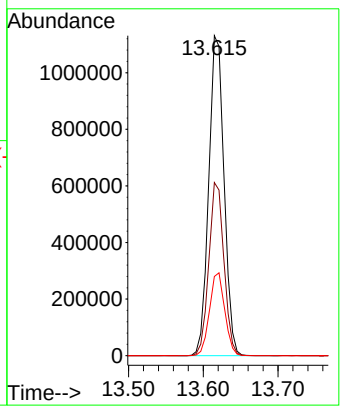


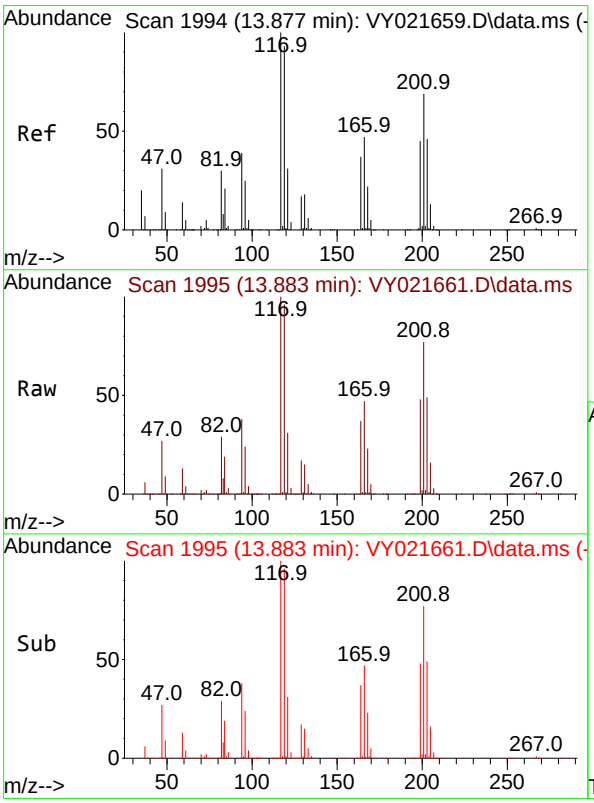
#89
n-Butylbenzene
Concen: 150.273 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1609064

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	25.9	12.8	38.4

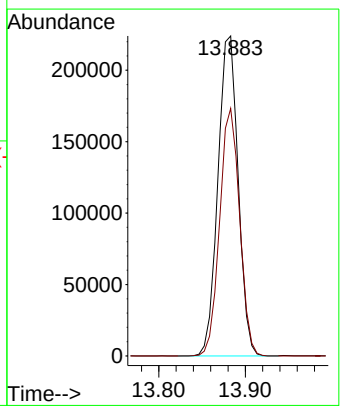


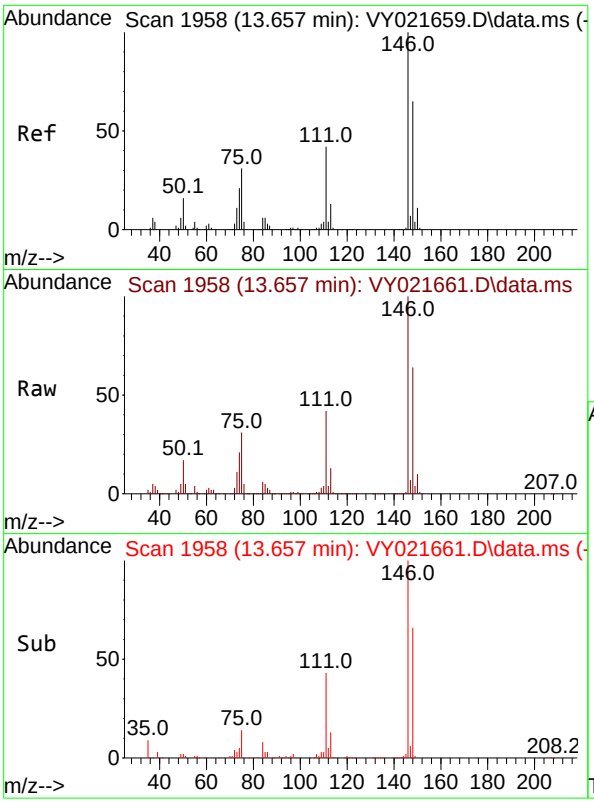


#90
Hexachloroethane
Concen: 143.167 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 363244

Ion	Ratio	Lower	Upper
117	100		
201	76.3	37.4	112.1



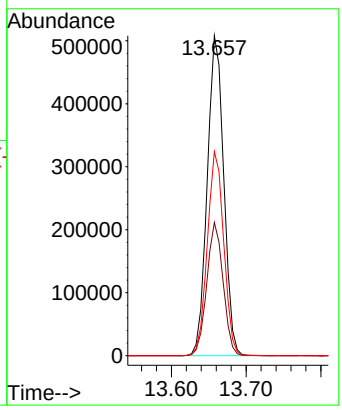


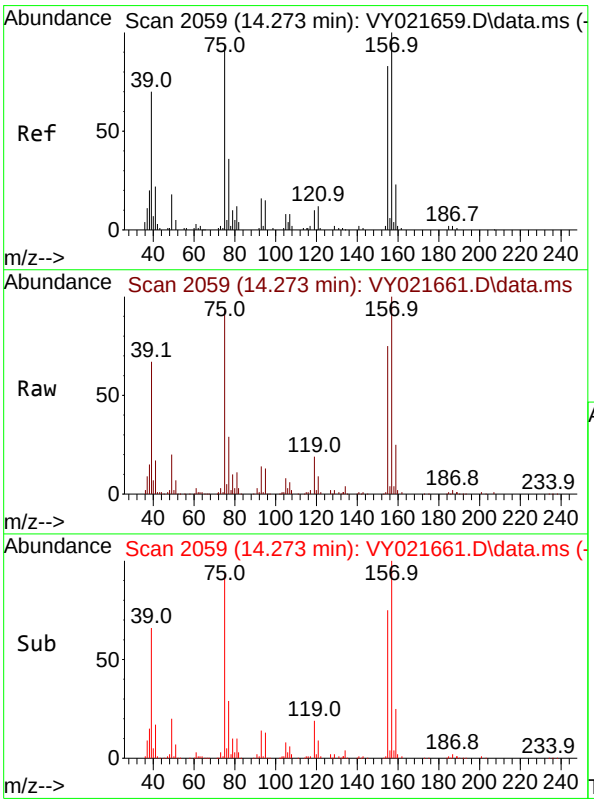
#91
1,2-Dichlorobenzene
Concen: 143.668 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 779021

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.6	32.3	96.9

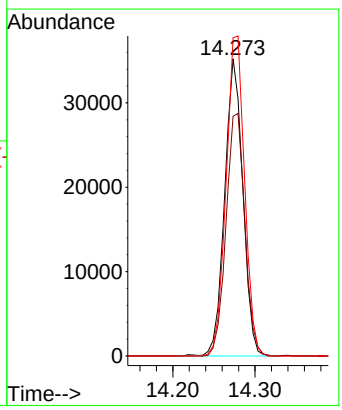


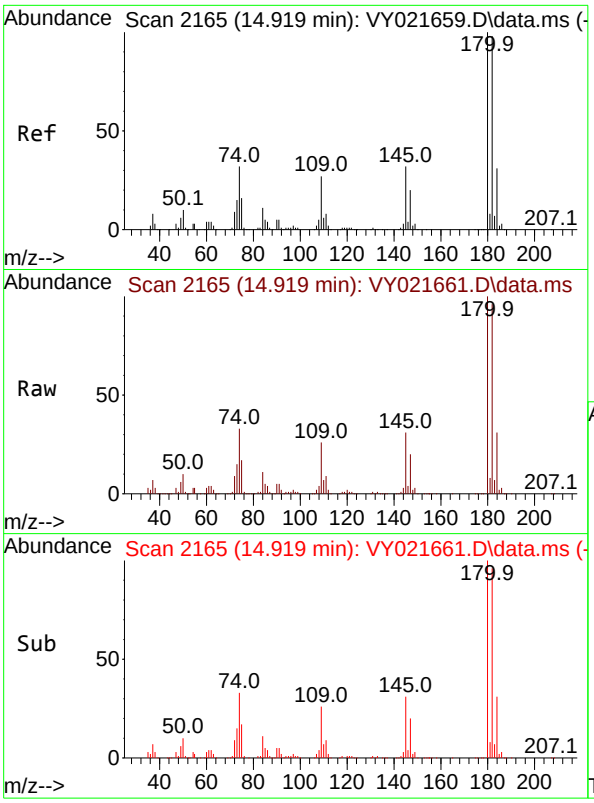


#92
1,2-Dibromo-3-Chloropropane
Concen: 147.345 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 54066

Ion	Ratio	Lower	Upper
75	100		
155	84.5	43.0	128.8
157	109.7	54.0	162.0



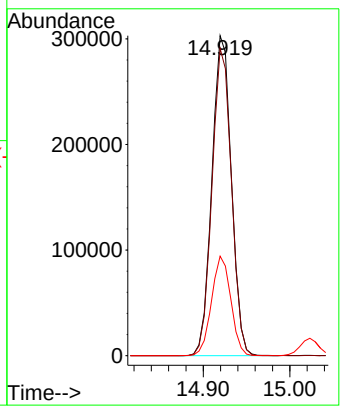


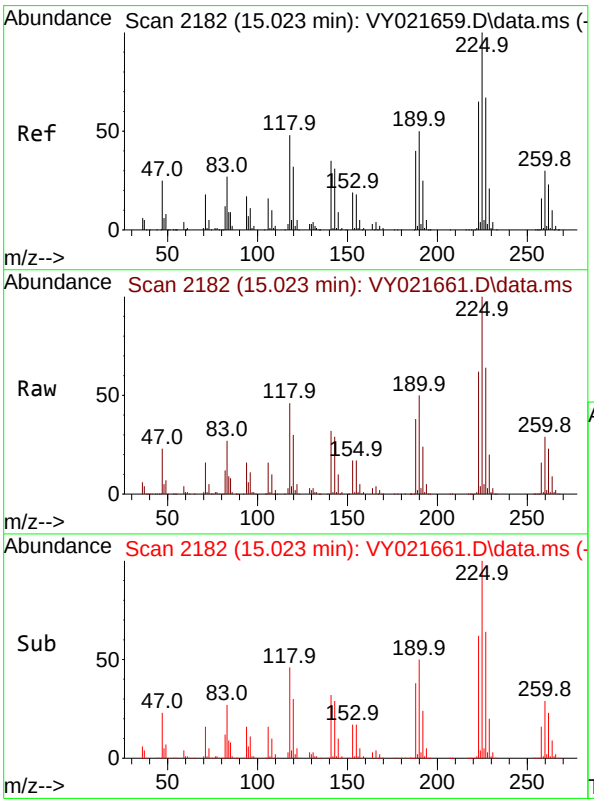
#93
1,2,4-Trichlorobenzene
Concen: 160.803 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 472845

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	30.8	14.9	44.9

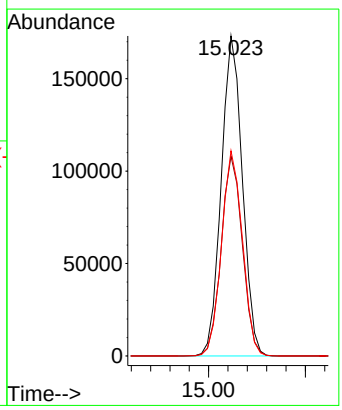


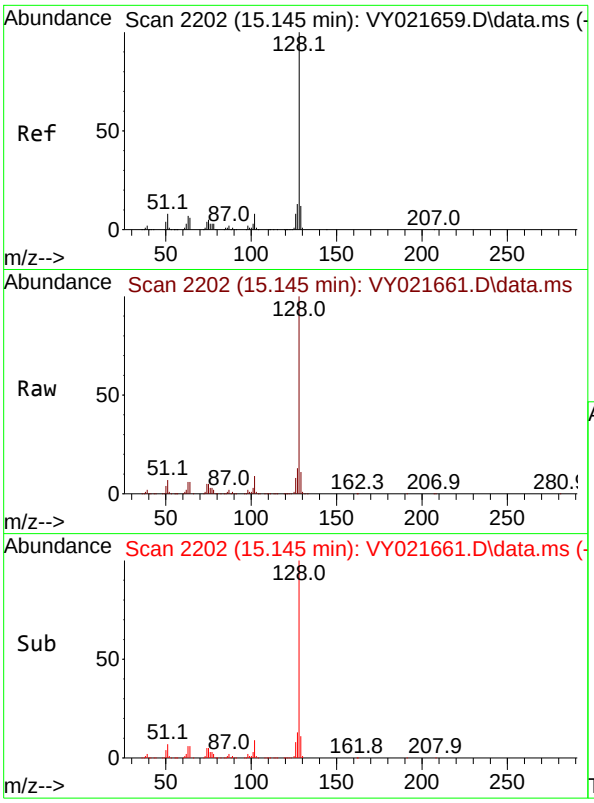


#94
Hexachlorobutadiene
Concen: 142.491 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:225 Resp: 261678

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	63.4	32.4	97.0



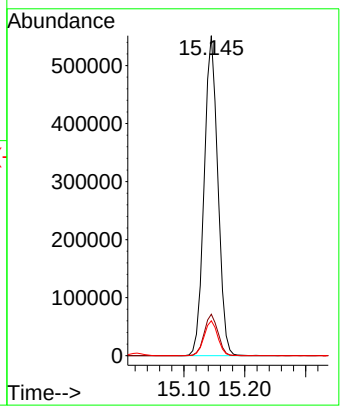


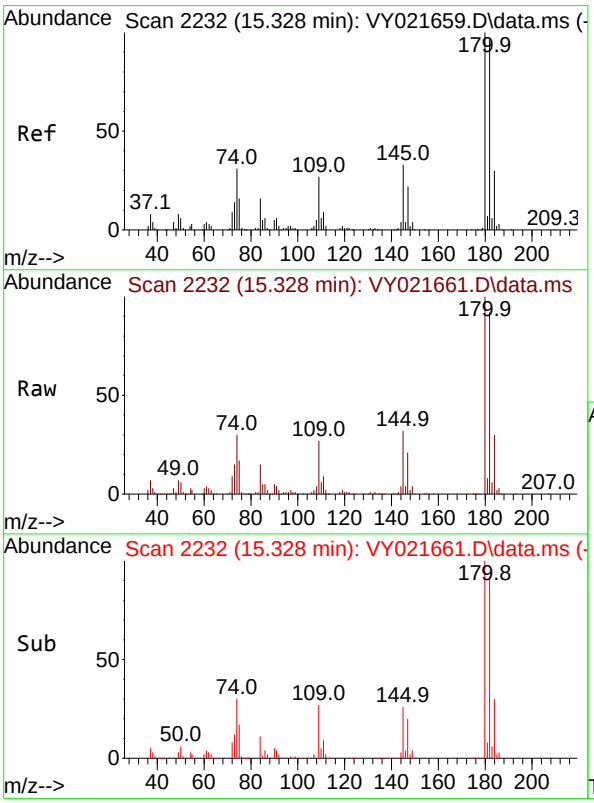
#95
Naphthalene
Concen: 176.342 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 859499

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.9	8.8	13.2

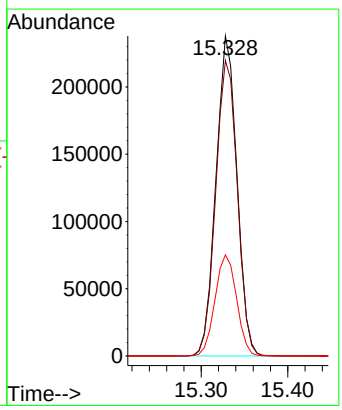




#96
1,2,3-Trichlorobenzene
Concen: 159.646 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:180 Resp: 400315

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	32.5	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l		99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l	#	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l		98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l		95
46) Dibromomethane	9.231	93	76421	50.052	ug/l		98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l		99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l		98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l		100
52) Toluene	10.170	92	360002	51.555	ug/l		99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l		99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l		98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l		99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l		99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l		100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l		99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l		98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l		99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l		100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l		100
69) o-Xylene	11.956	106	247091	53.075	ug/l		99
70) Styrene	11.968	104	416261	53.627	ug/l		99
71) Bromoform	12.133	173	78932	50.778	ug/l	#	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l		100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	148910	89.982	ug/l	#	100
77) Bromobenzene	12.535	156	152211	51.125	ug/l		99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l		100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l		97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l		100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l		100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l		100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l		99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l		100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l		100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l		96
95) Naphthalene	15.145	128	237561	51.759	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

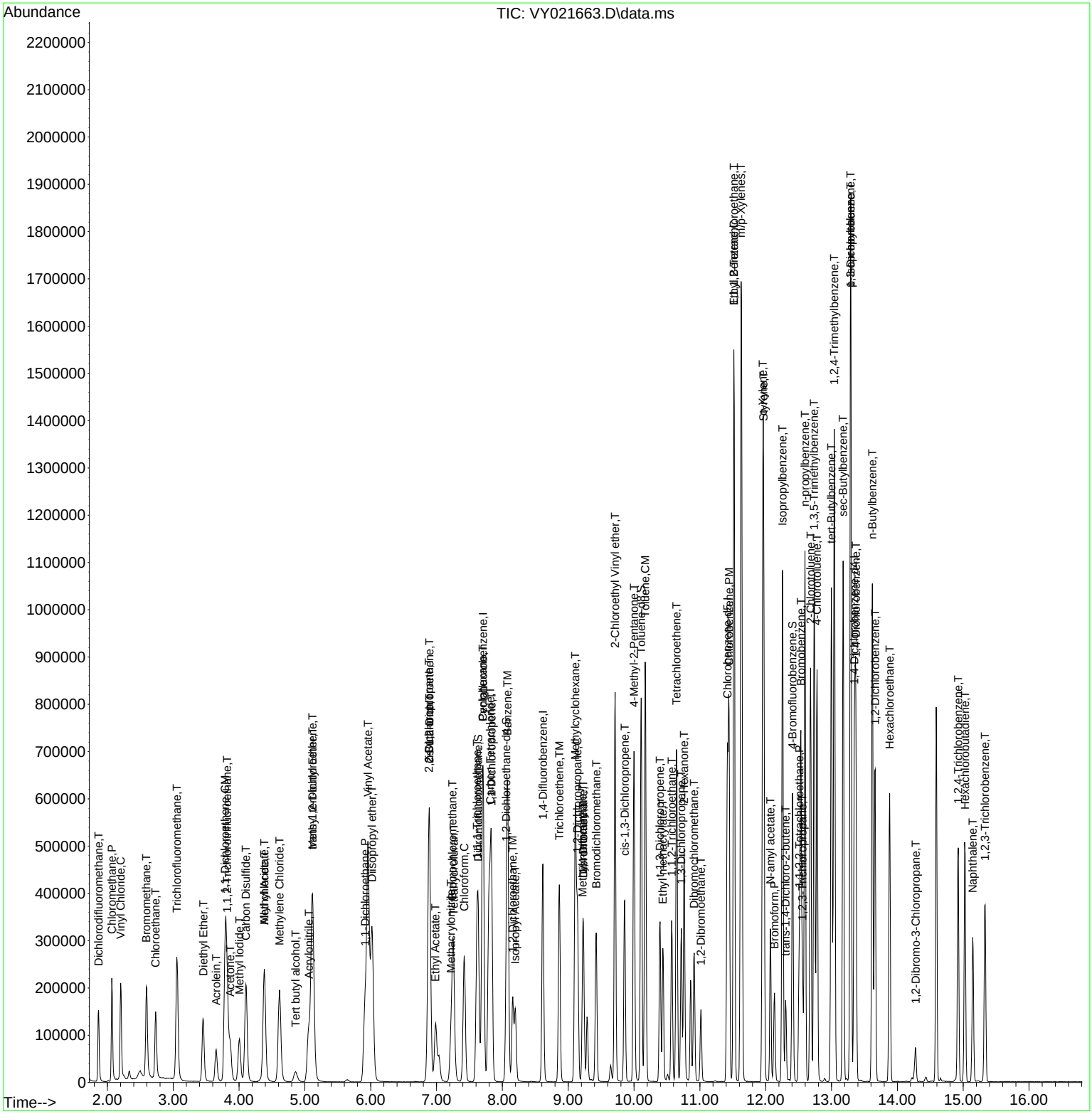
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

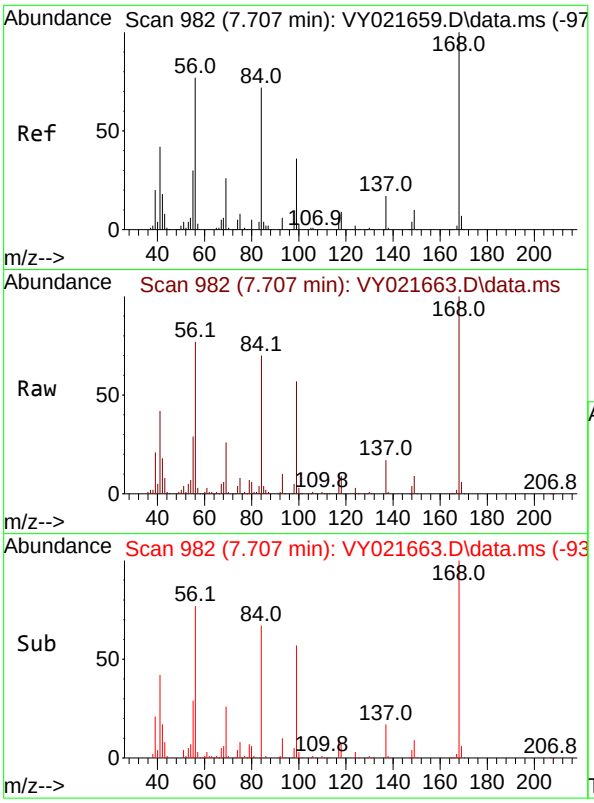
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



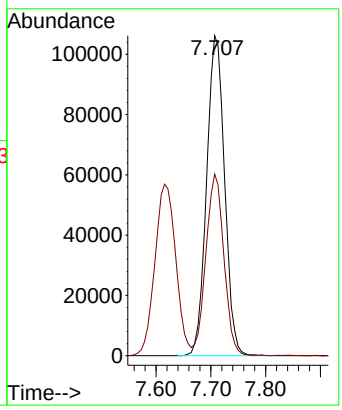


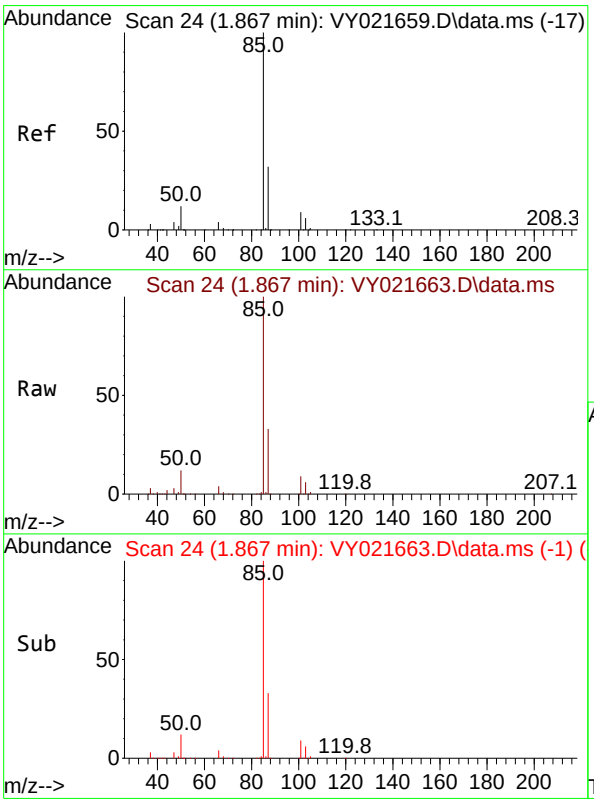
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:168 Resp: 241281

Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1

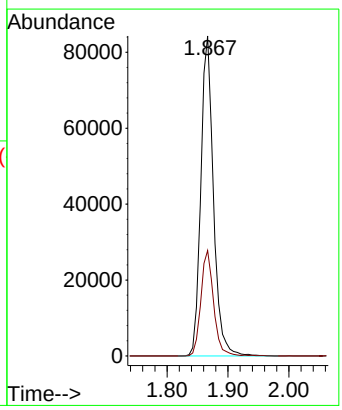


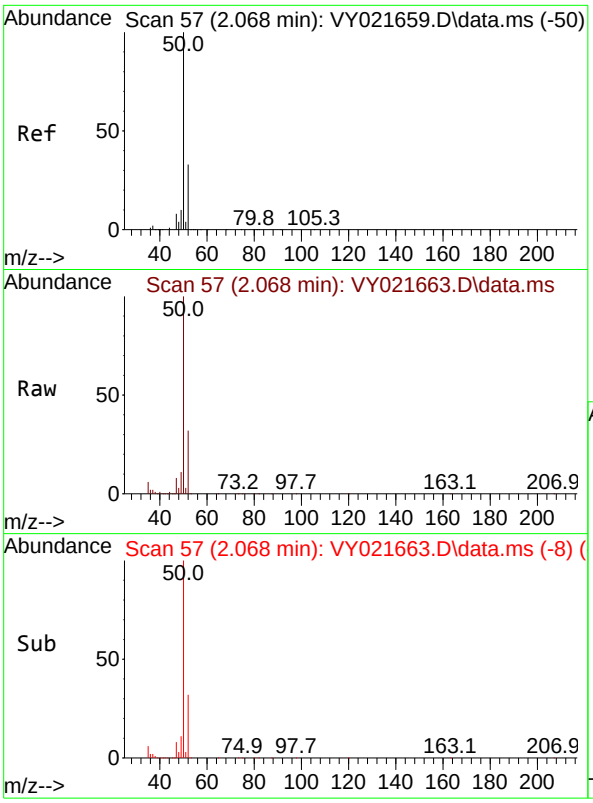


#2
Dichlorodifluoromethane
Concen: 48.632 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 85 Resp: 121620

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.2	48.6



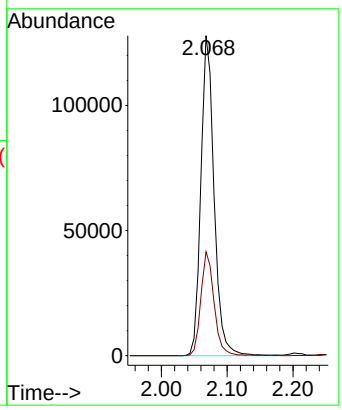


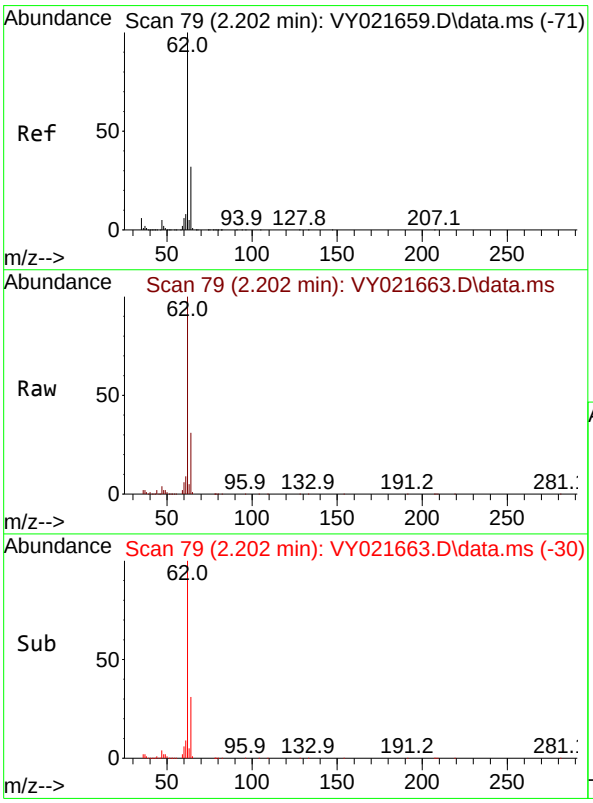
#3
Chloromethane
Concen: 50.781 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 50 Resp: 178572

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5

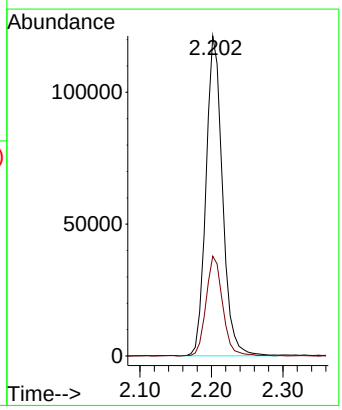


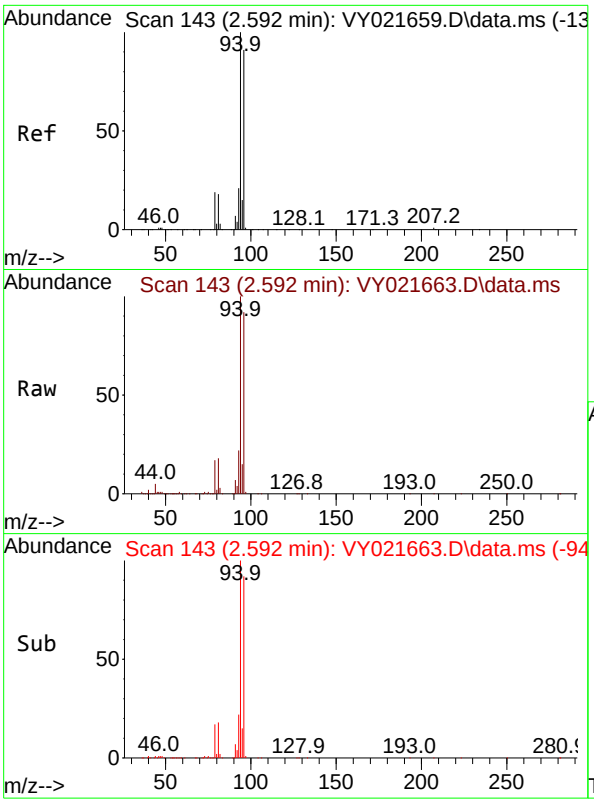


#4
Vinyl Chloride
Concen: 48.759 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 193909

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3



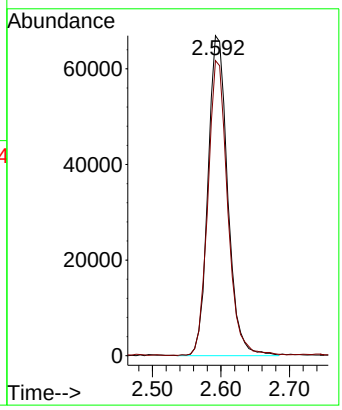


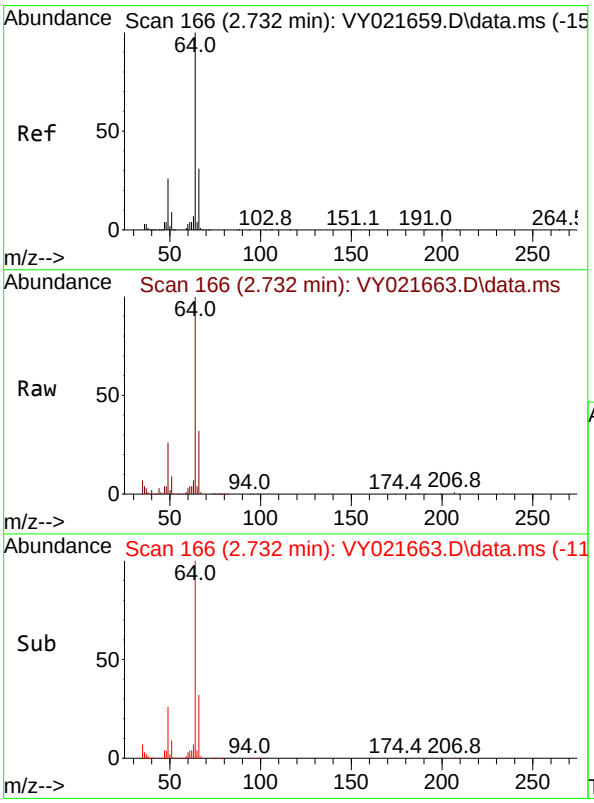
#5
Bromomethane
Concen: 49.274 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 94 Resp: 133650

Ion	Ratio	Lower	Upper
94	100		
96	92.1	72.8	109.2

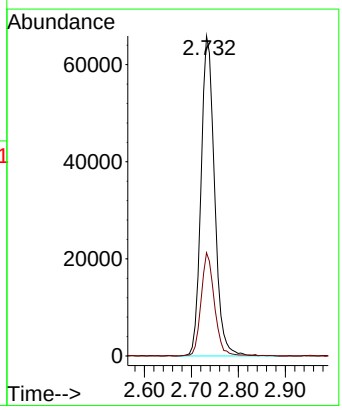


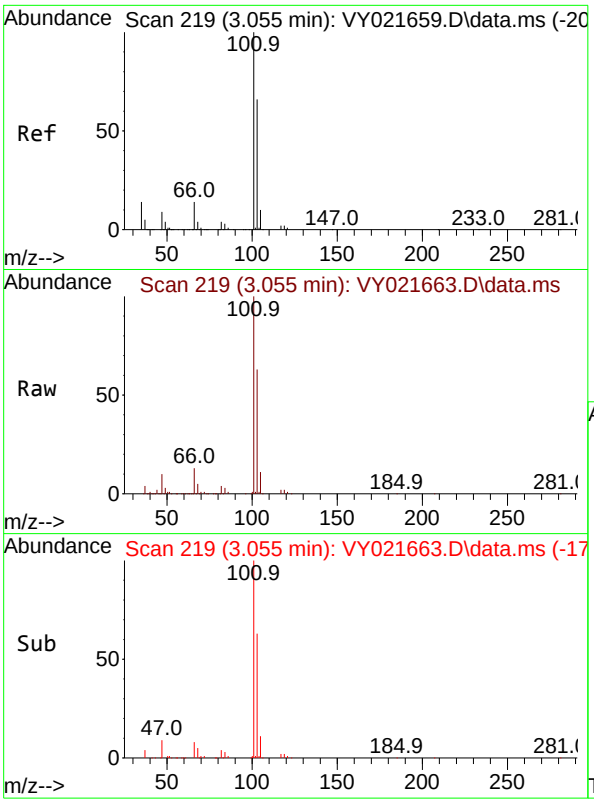


#6
Chloroethane
Concen: 50.589 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 64 Resp: 131646

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3



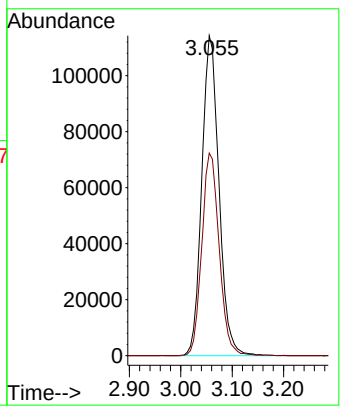


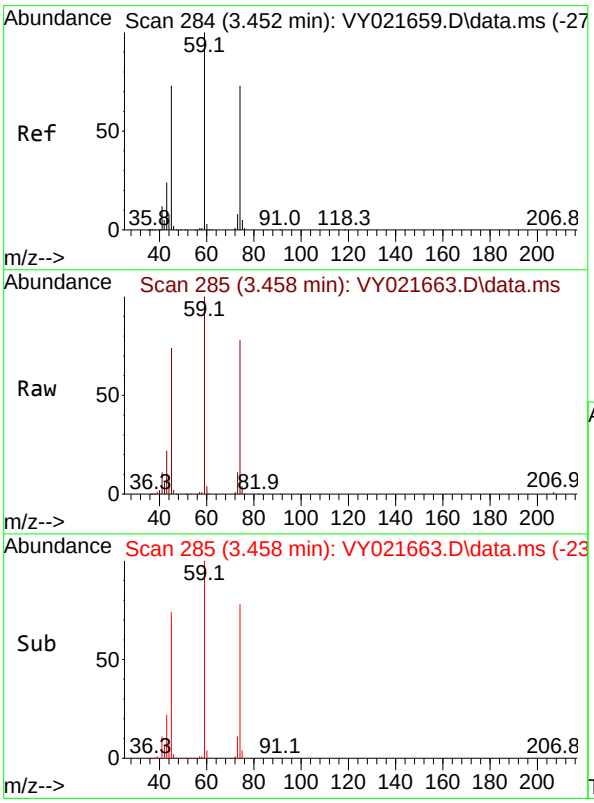
#7
Trichlorofluoromethane
Concen: 51.989 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:101 Resp: 264850

Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.1	79.7

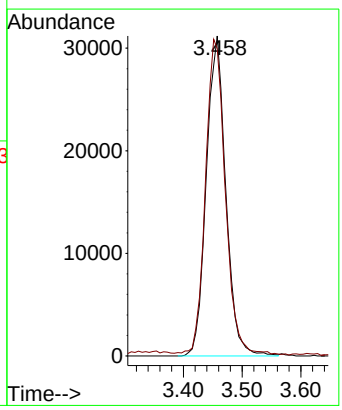


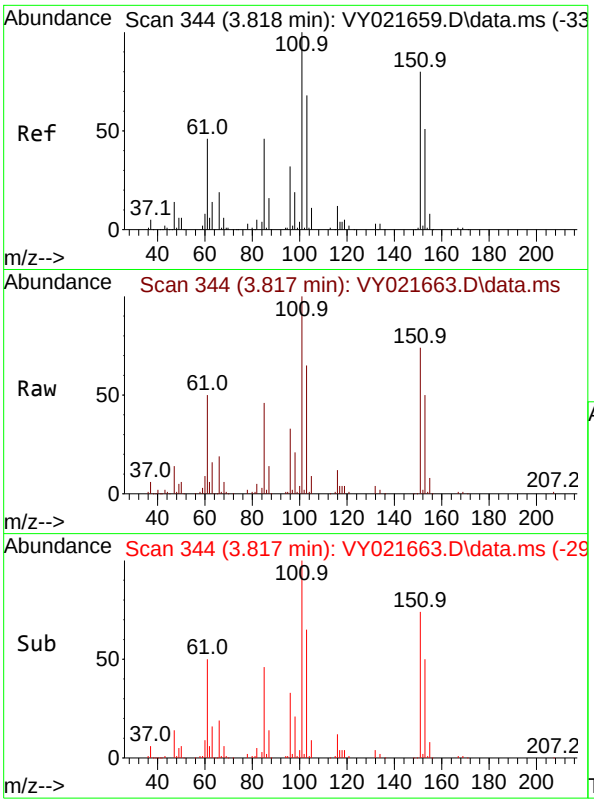


#8
Diethyl Ether
Concen: 51.807 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 74 Resp: 71773

Ion	Ratio	Lower	Upper
74	100		
45	101.3	48.6	145.8



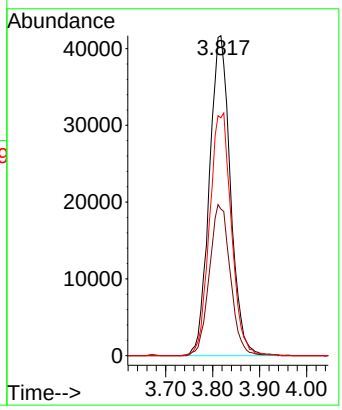


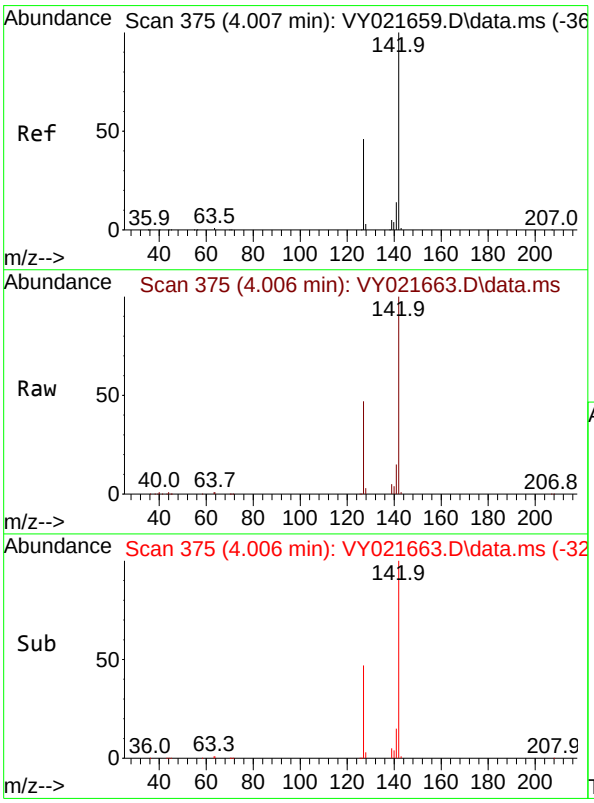
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.213 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:101 Resp: 129542

Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.3	54.5
151	78.7	61.3	91.9

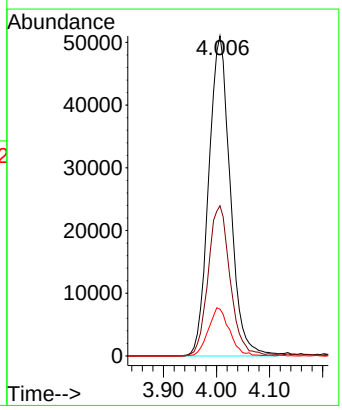


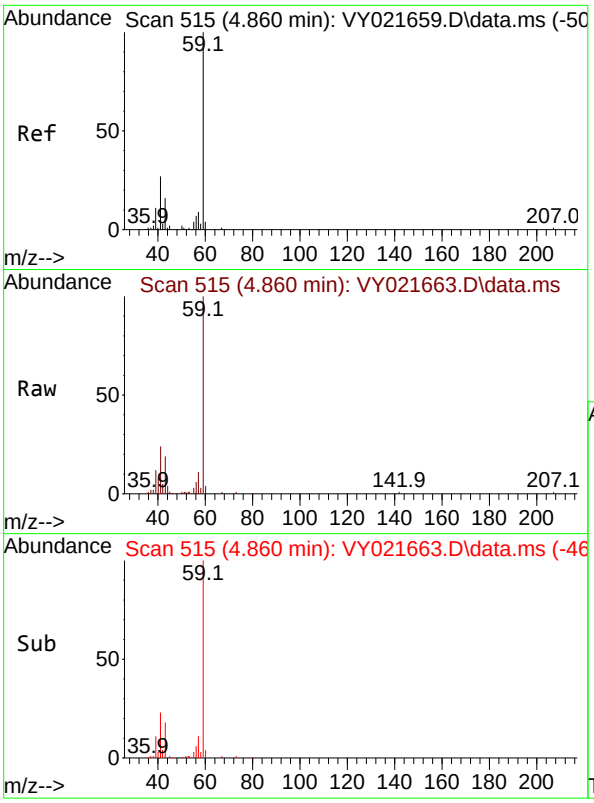


#10
Methyl Iodide
Concen: 48.859 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:142 Resp: 144020

Ion	Ratio	Lower	Upper
142	100		
127	47.9	38.7	58.1
141	14.8	11.5	17.3



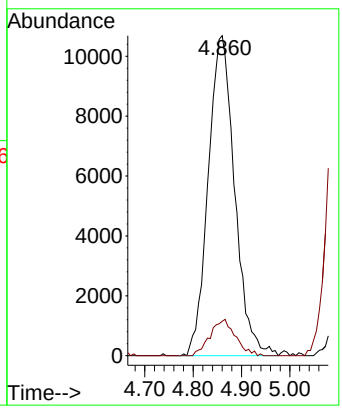


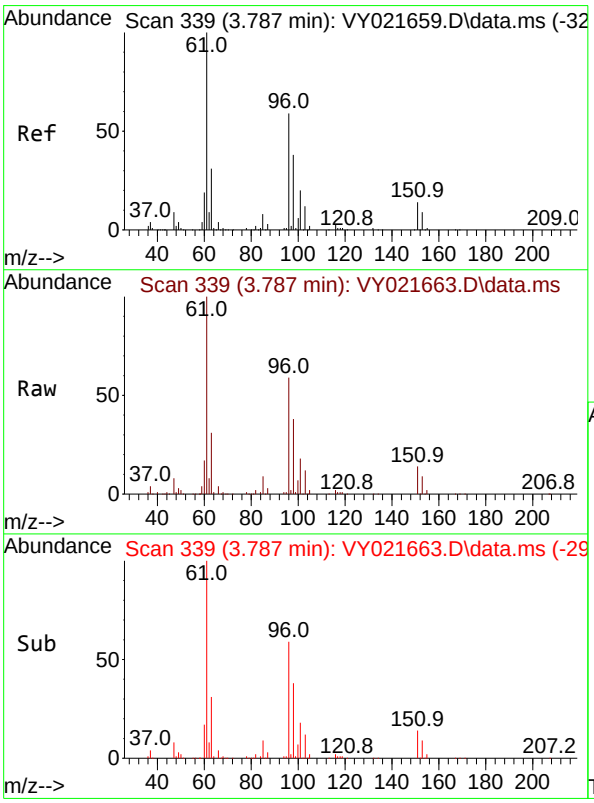
#11
Tert butyl alcohol
Concen: 239.093 ug/l
RT: 4.860 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 59 Resp: 40598

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.2	13.8

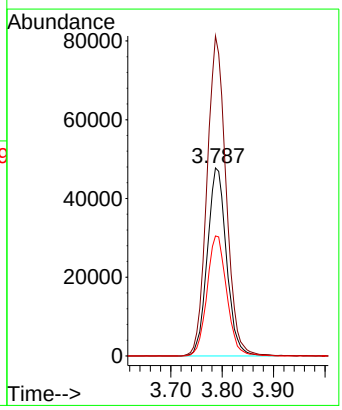


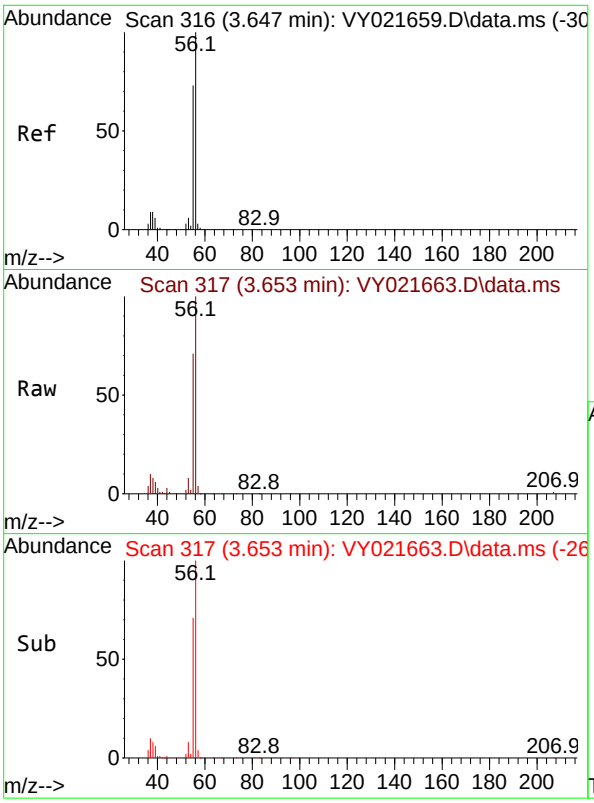


#12
1,1-Dichloroethene
Concen: 48.958 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 123904

Ion	Ratio	Lower	Upper
96	100		
61	170.1	136.6	204.8
98	63.8	52.3	78.5



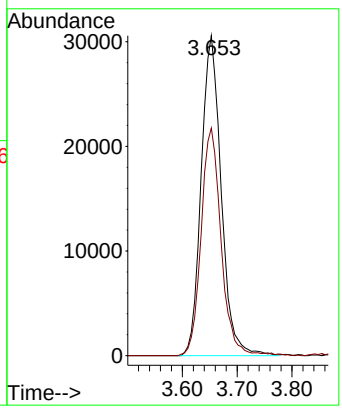


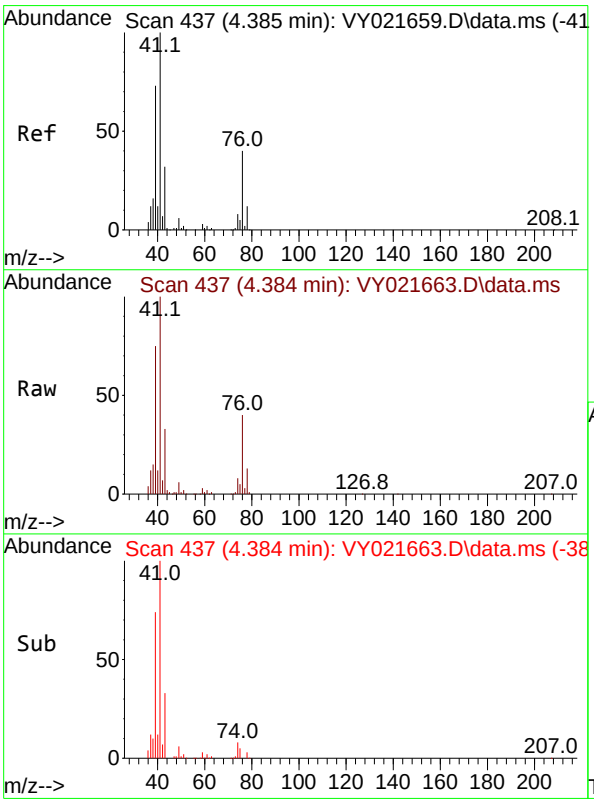
#13
Acrolein
Concen: 249.738 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 56 Resp: 77430

Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.6	85.0

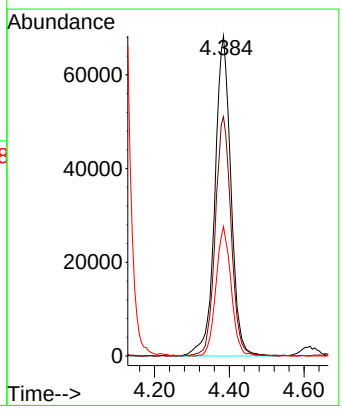


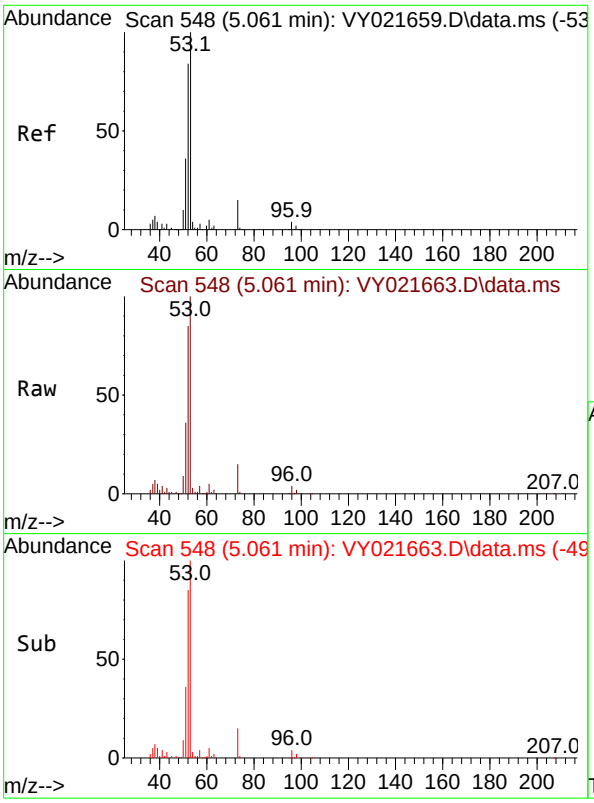


#14
Allyl chloride
Concen: 50.380 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 203289

Ion	Ratio	Lower	Upper
41	100		
39	73.9	58.6	88.0
76	38.3	30.3	45.5



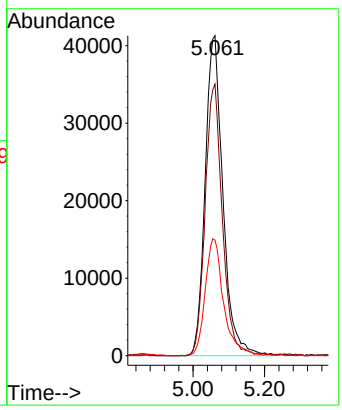


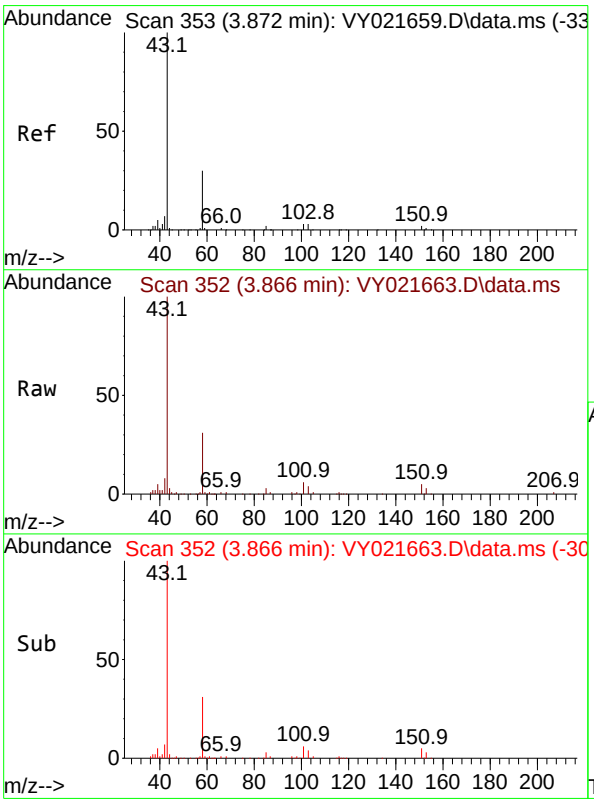
#15
Acrylonitrile
Concen: 246.085 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 53 Resp: 142349

Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	37.9	30.2	45.2

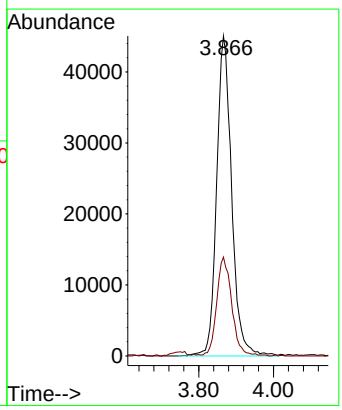


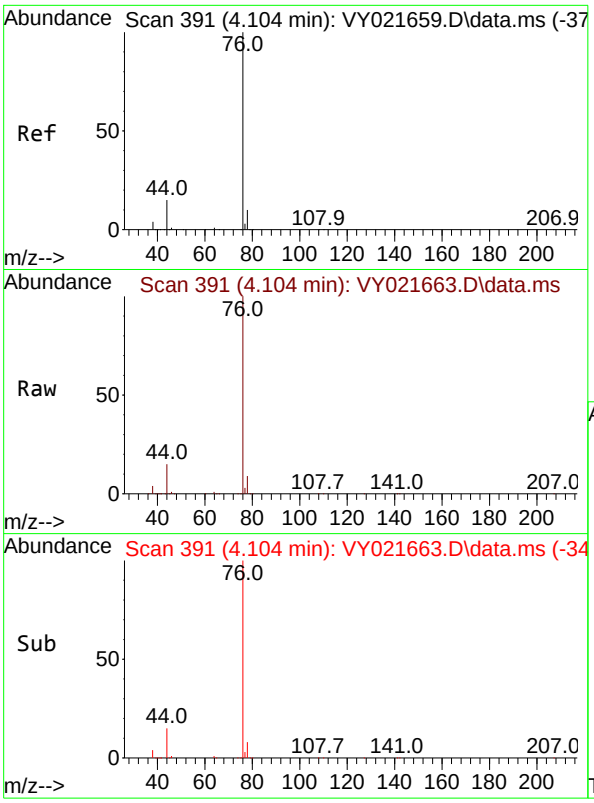


#16
Acetone
Concen: 234.856 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 125654

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.2	36.4



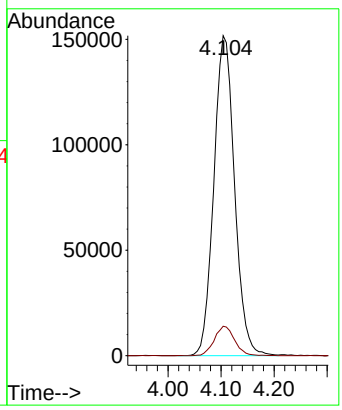


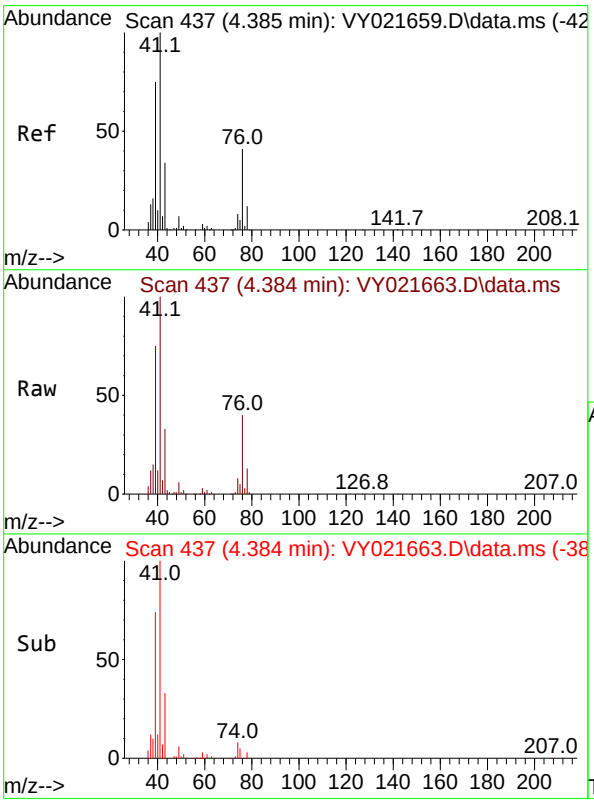
#17
Carbon Disulfide
Concen: 49.428 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 76 Resp: 412021

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

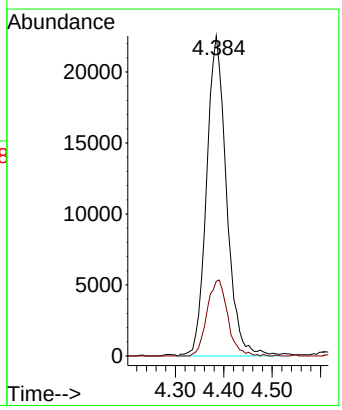


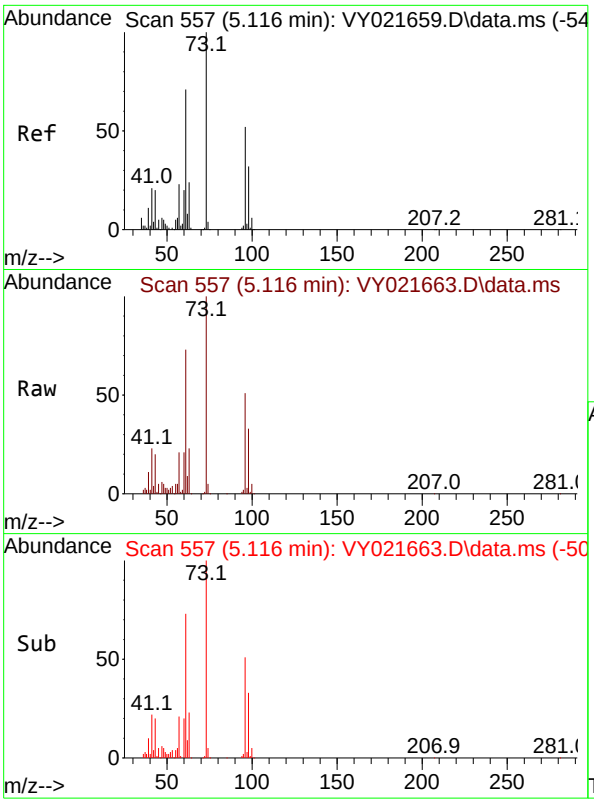


#18
Methyl Acetate
Concen: 48.703 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 64580

Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.1	28.7



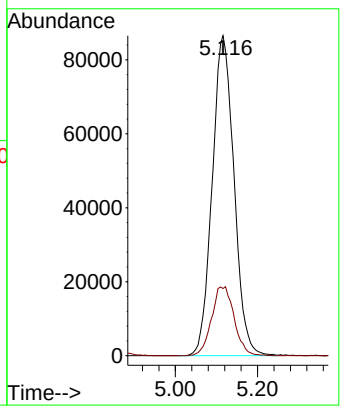


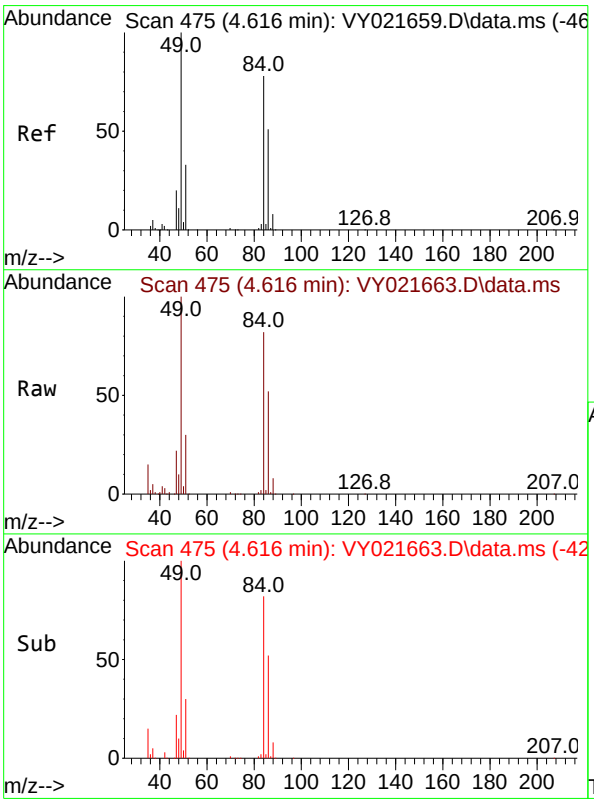
#19
Methyl tert-butyl Ether
Concen: 50.561 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 73 Resp: 318579

Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.1	27.1

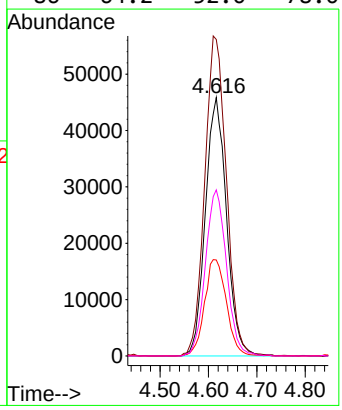


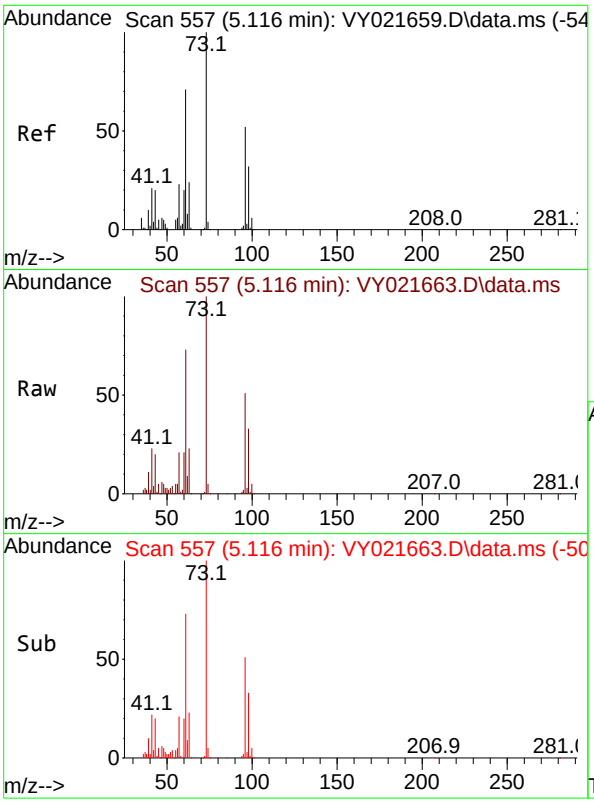


#20
Methylene Chloride
Concen: 53.536 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 84 Resp: 139443

Ion	Ratio	Lower	Upper
84	100		
49	122.3	102.8	154.2
51	37.2	33.5	50.3
86	64.2	52.0	78.0



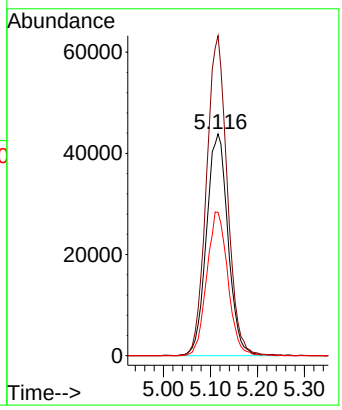


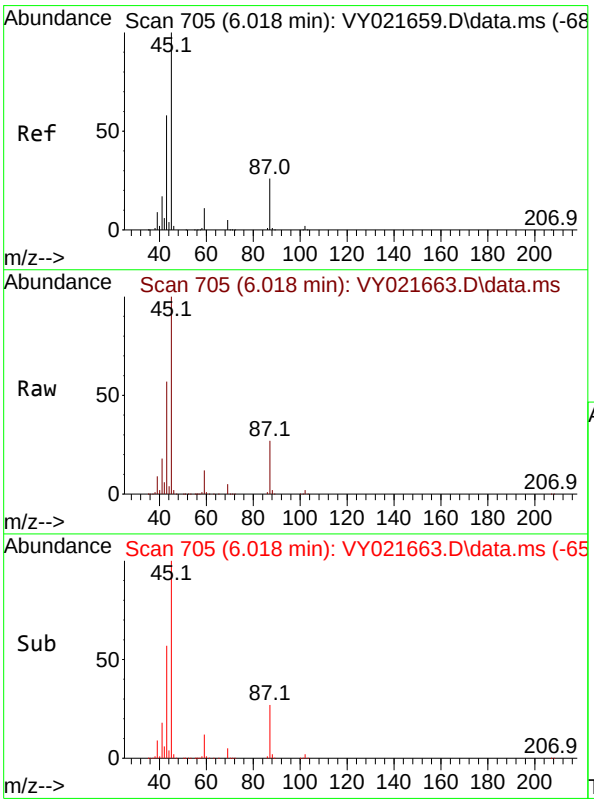
#21
trans-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 96 Resp: 139842

Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.4	164.0
98	64.7	50.2	75.2

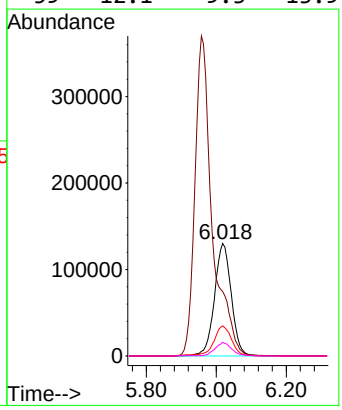


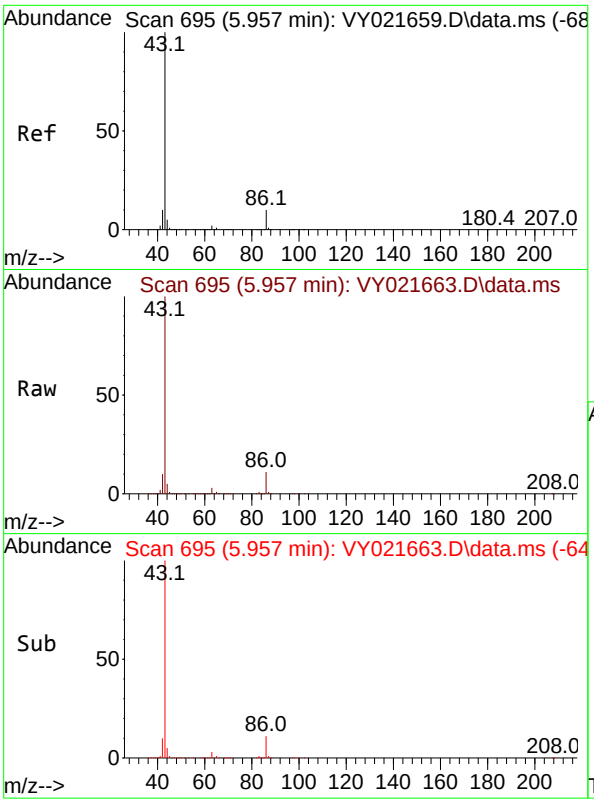


#22
Diisopropyl ether
Concen: 51.273 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 45 Resp: 434011

Ion	Ratio	Lower	Upper
45	100		
43	57.0	46.6	69.8
87	26.7	20.7	31.1
59	12.1	9.3	13.9



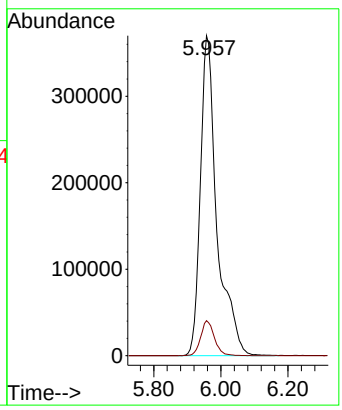


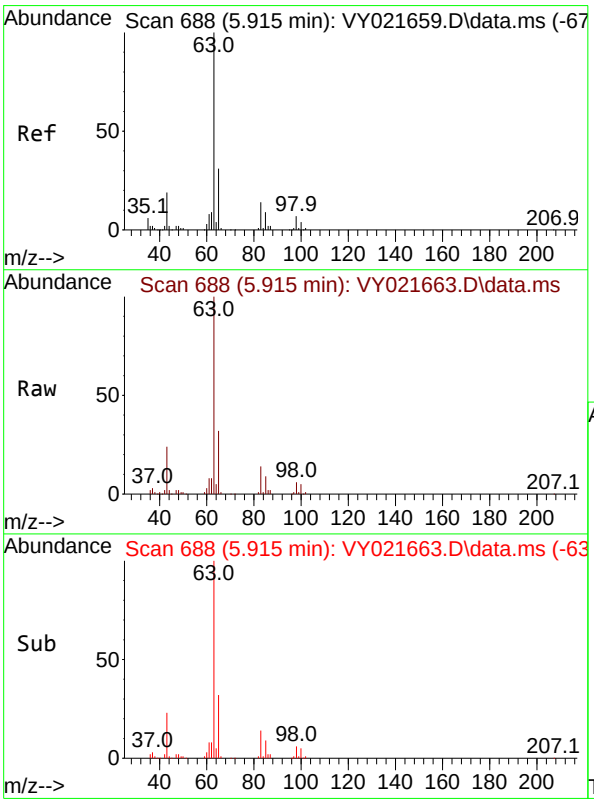
#23
Vinyl Acetate
Concen: 256.638 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 43 Resp: 1270842

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2

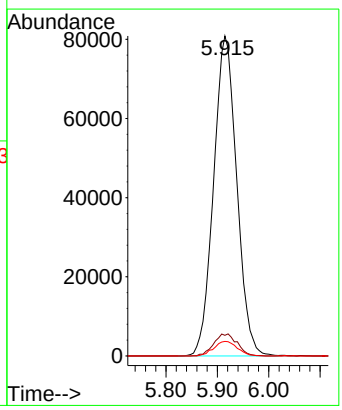


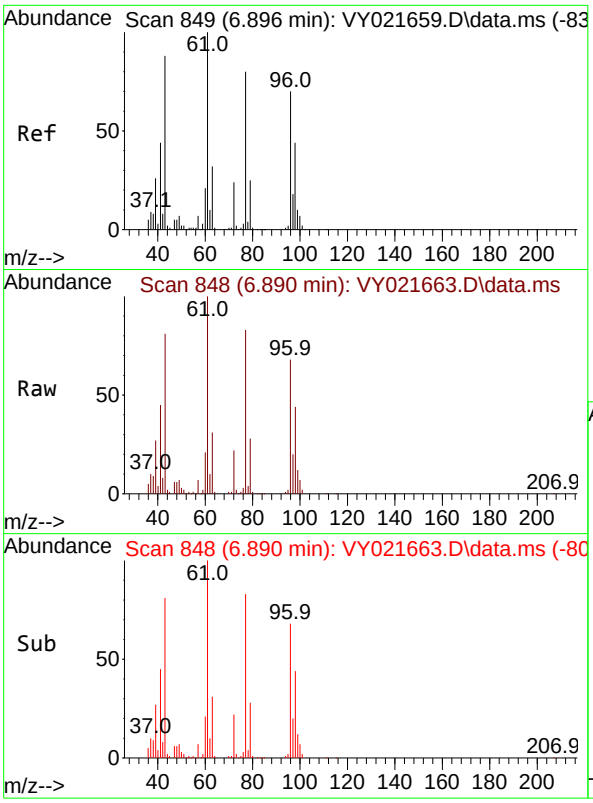


#24
1,1-Dichloroethane
Concen: 50.001 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 253080

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.6	2.2	6.6



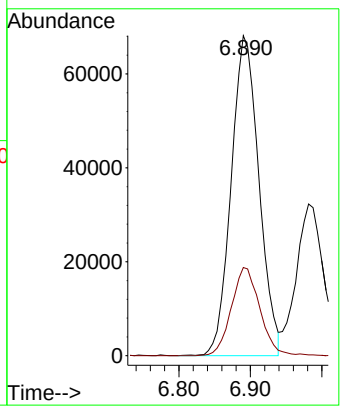


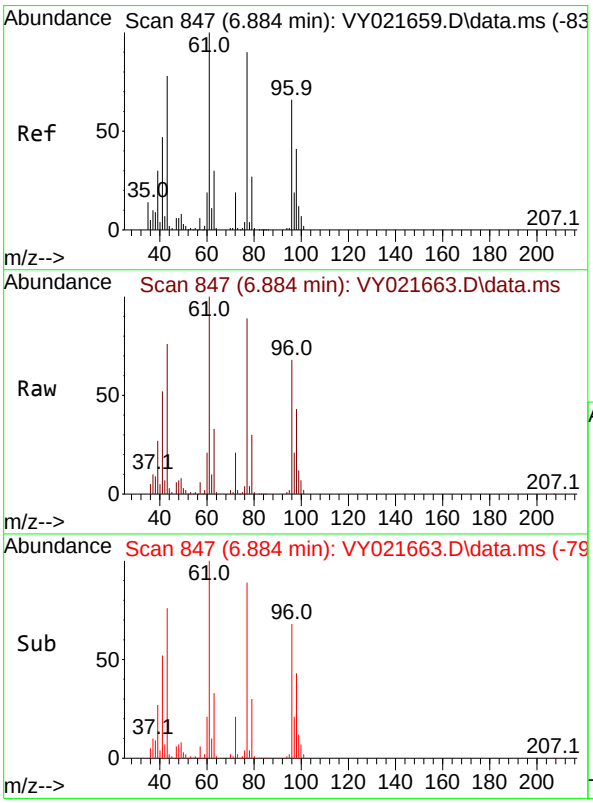
#25
2-Butanone
Concen: 240.921 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 43 Resp: 184108

Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.2

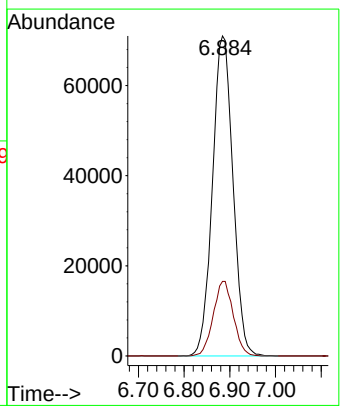


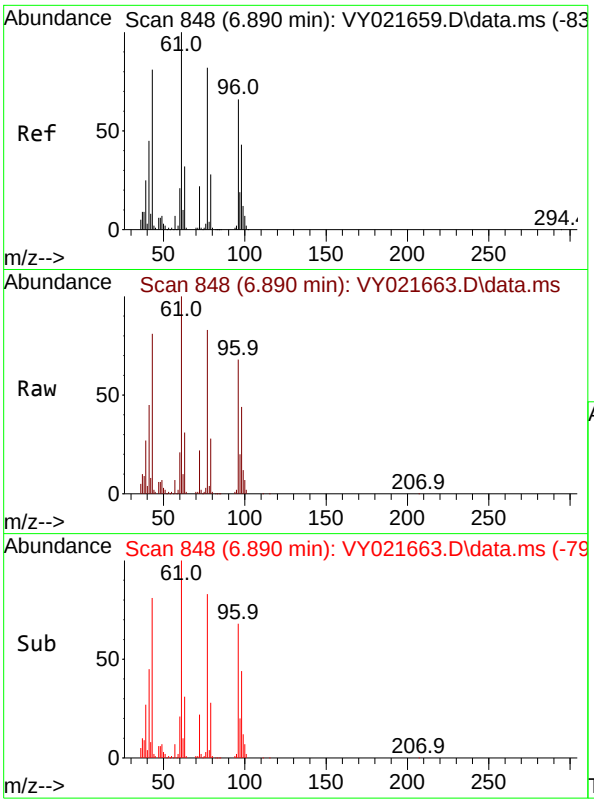


#26
2,2-Dichloropropane
Concen: 49.103 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 77 Resp: 221076

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.1	33.1



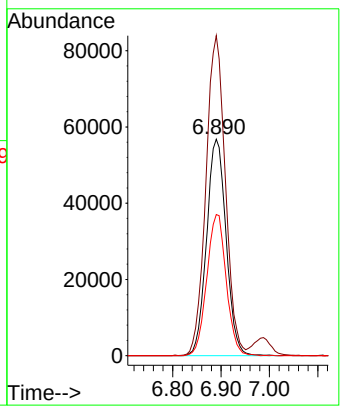


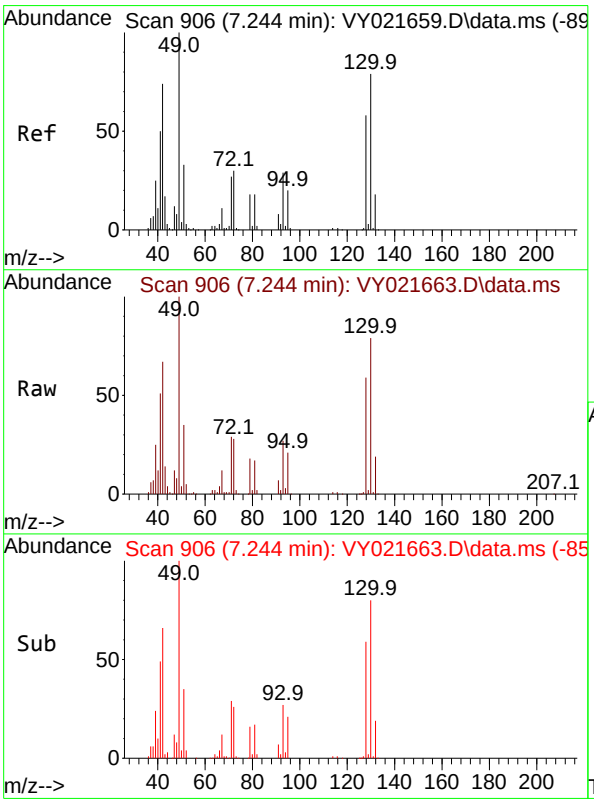
#27
cis-1,2-Dichloroethene
Concen: 50.806 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 96 Resp: 159206

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	296.4
98	65.0	0.0	128.0

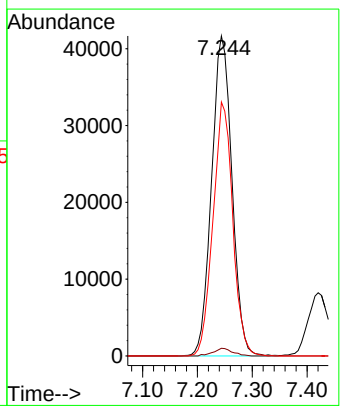


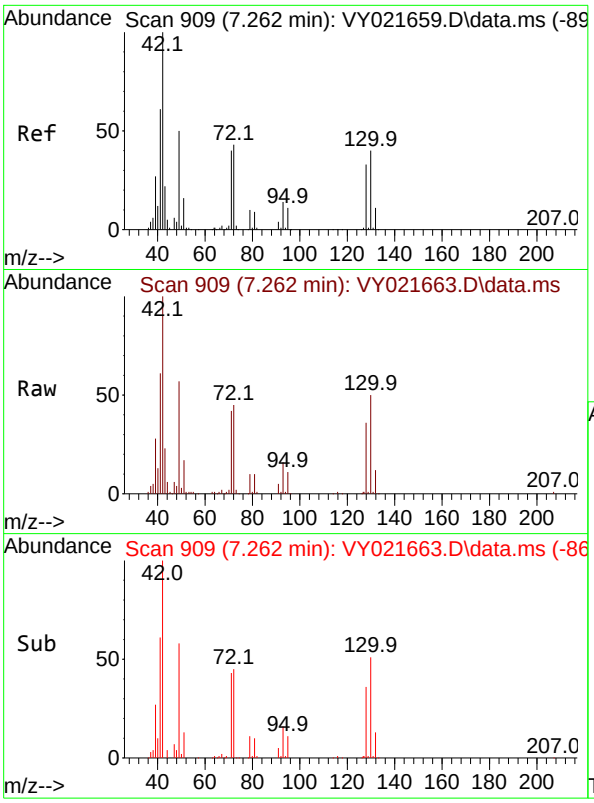


#28
Bromochloromethane
Concen: 50.360 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 49 Resp: 107500

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.8	60.1	90.1



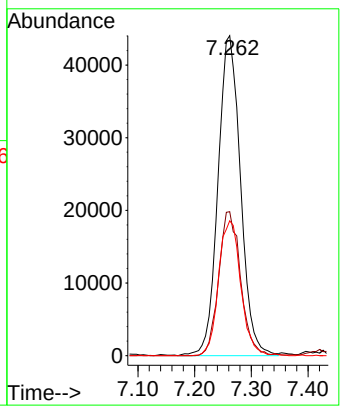


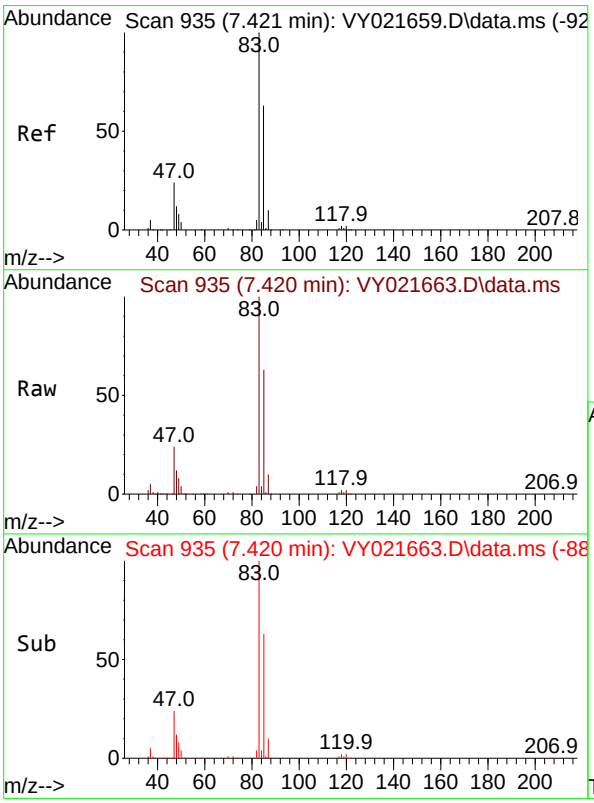
#29
Tetrahydrofuran
Concen: 247.271 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 42 Resp: 121613

Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.6	52.0
71	41.5	32.5	48.7

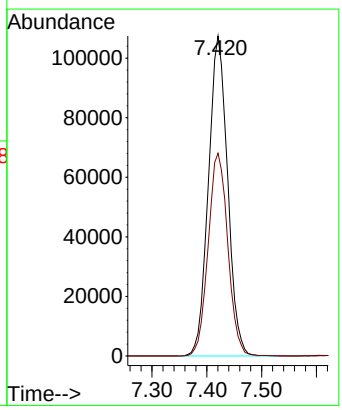


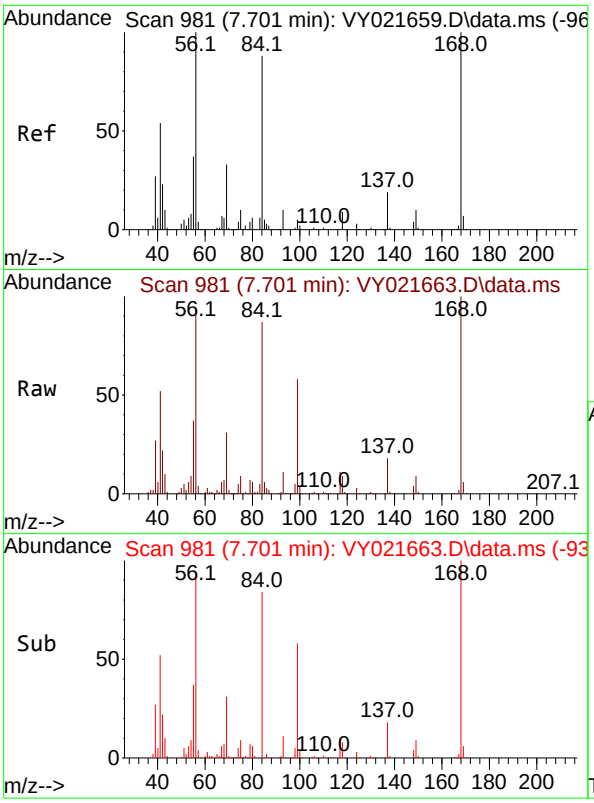


#30
Chloroform
Concen: 49.490 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 83 Resp: 260540

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8



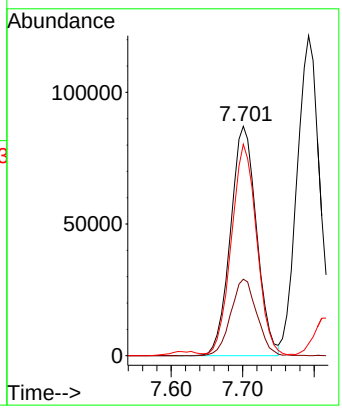


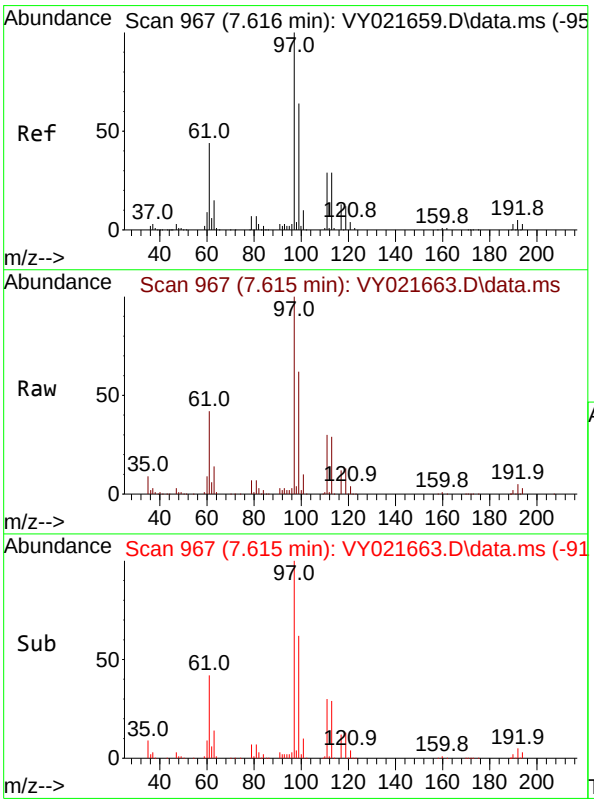
#31
Cyclohexane
Concen: 47.844 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 56 Resp: 220748

Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	90.4	69.0	103.4

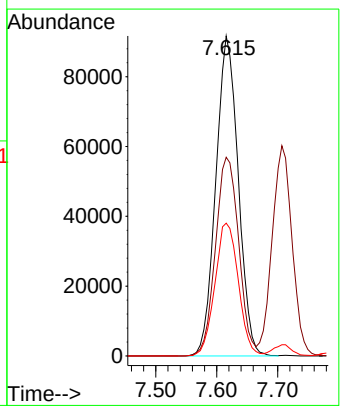


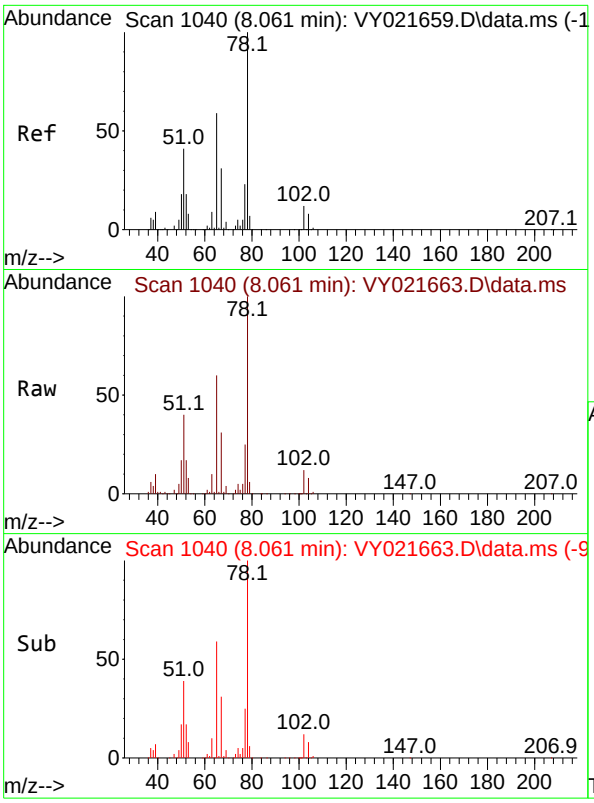


#32
1,1,1-Trichloroethane
Concen: 49.319 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 97 Resp: 234663

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.4	35.2	52.8



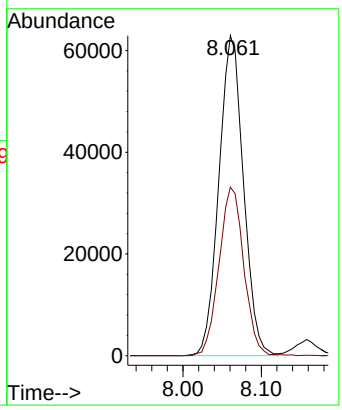


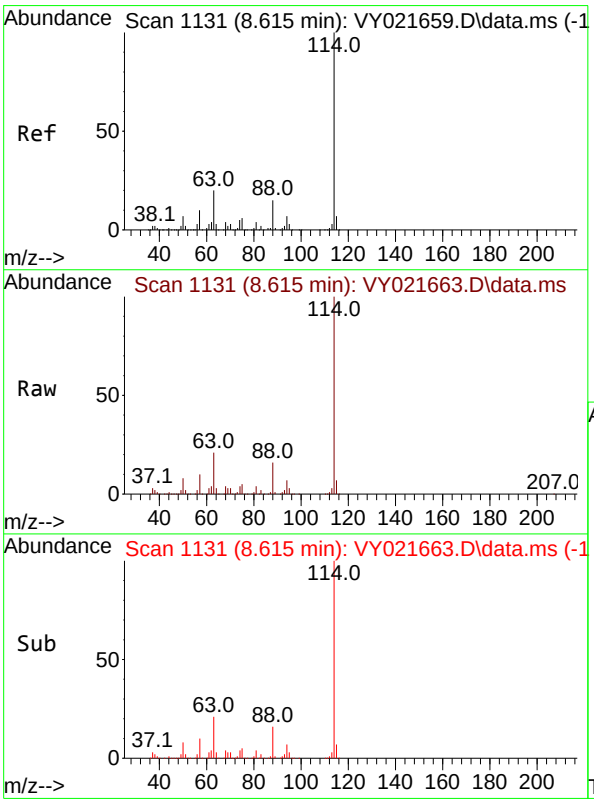
#33
1,2-Dichloroethane-d4
Concen: 52.553 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 65 Resp: 137385

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6

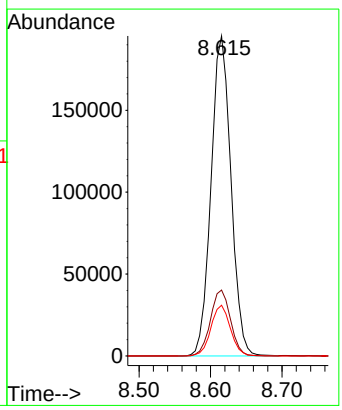


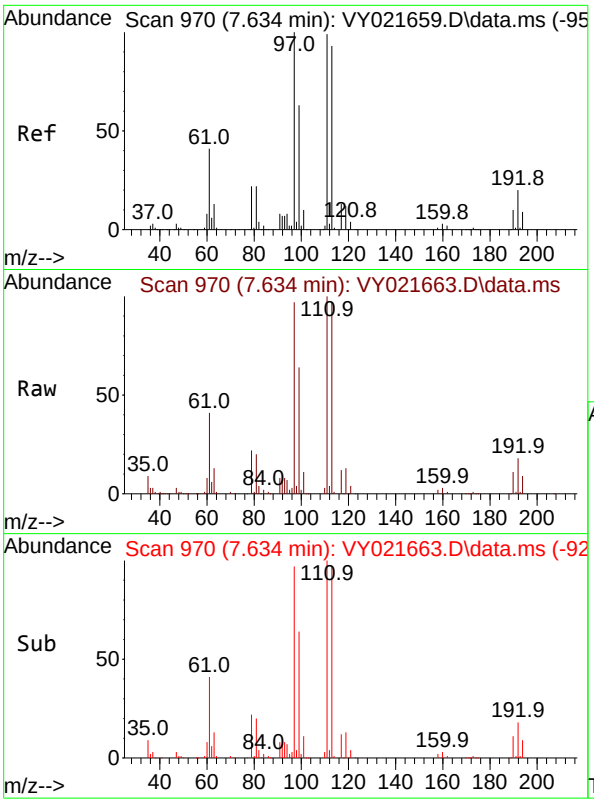


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:114 Resp: 378246

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.9	0.0	29.8



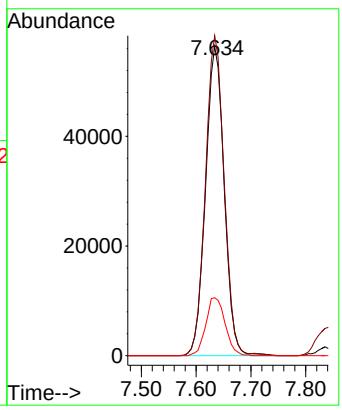


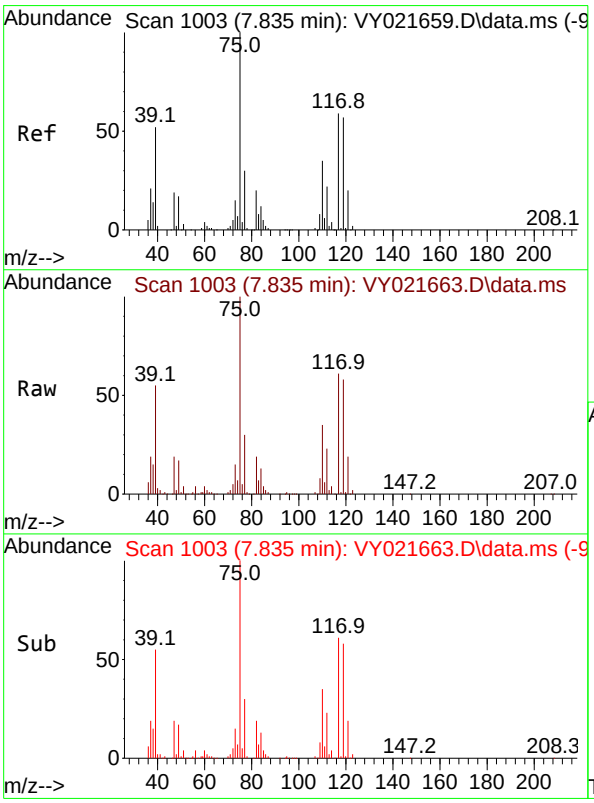
#35
Dibromofluoromethane
Concen: 54.243 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:113 Resp: 133092

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	19.5	16.2	24.4

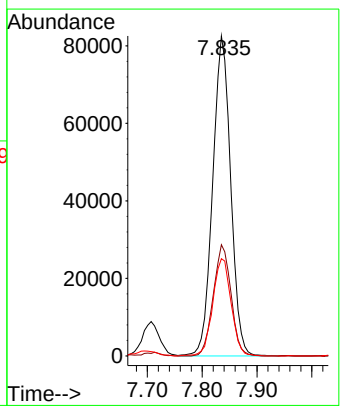


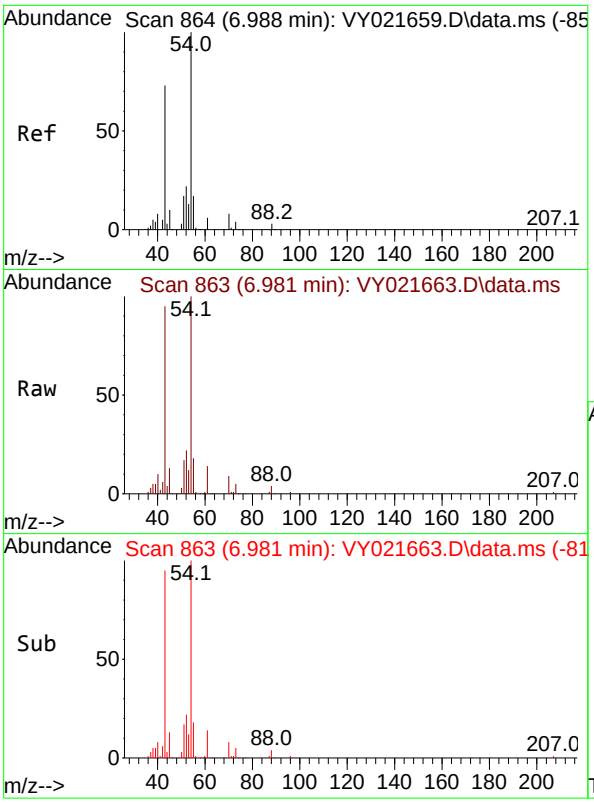


#36
1,1-Dichloropropene
Concen: 50.326 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 188082

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	31.1	24.8	37.2



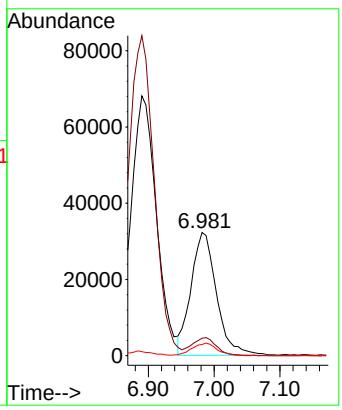


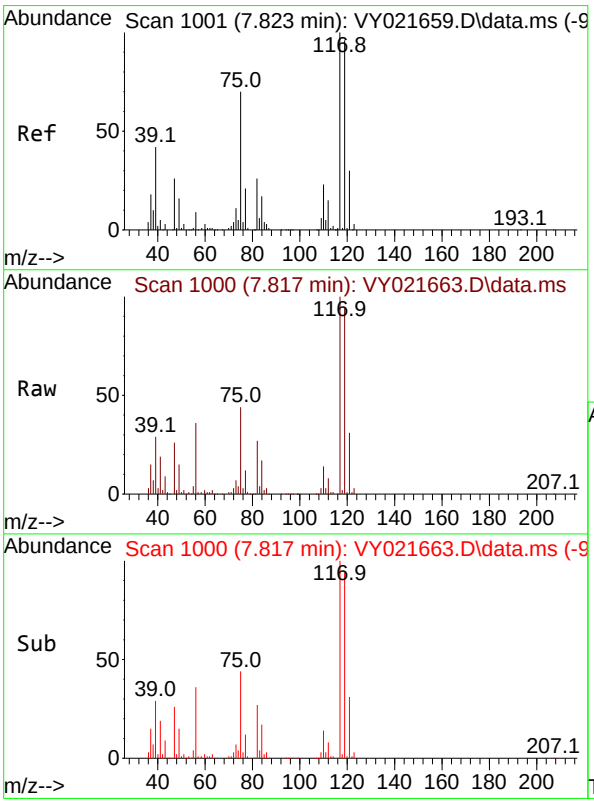
#37
Ethyl Acetate
Concen: 49.145 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 43 Resp: 86681

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	10.1	8.1	12.1

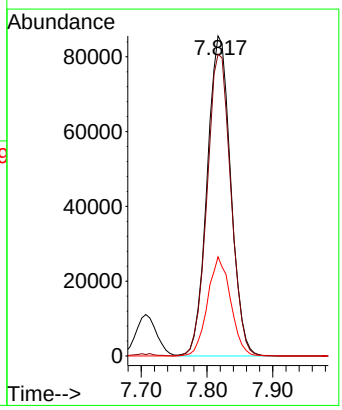


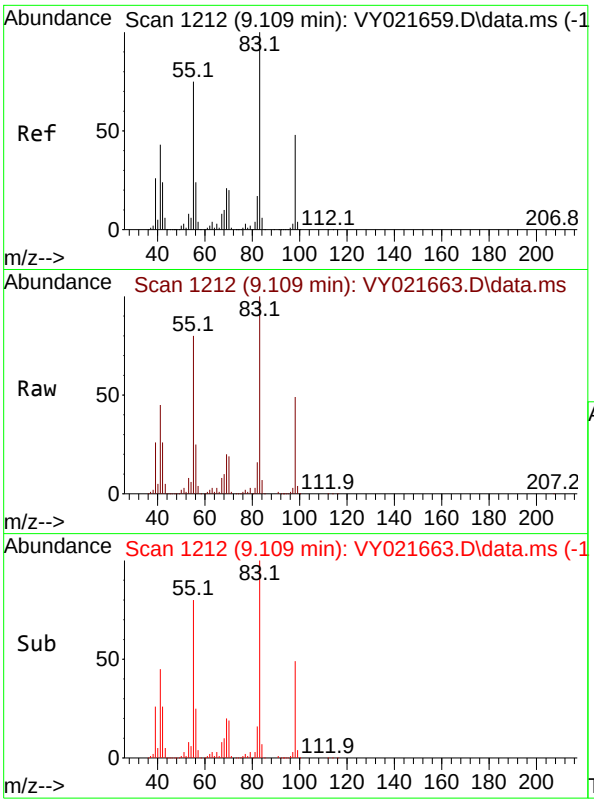


#38
Carbon Tetrachloride
Concen: 49.814 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 213223

Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.2	114.4
121	30.9	24.2	36.4



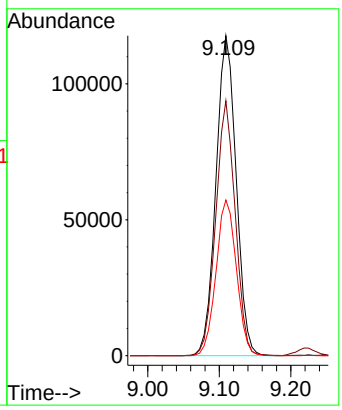


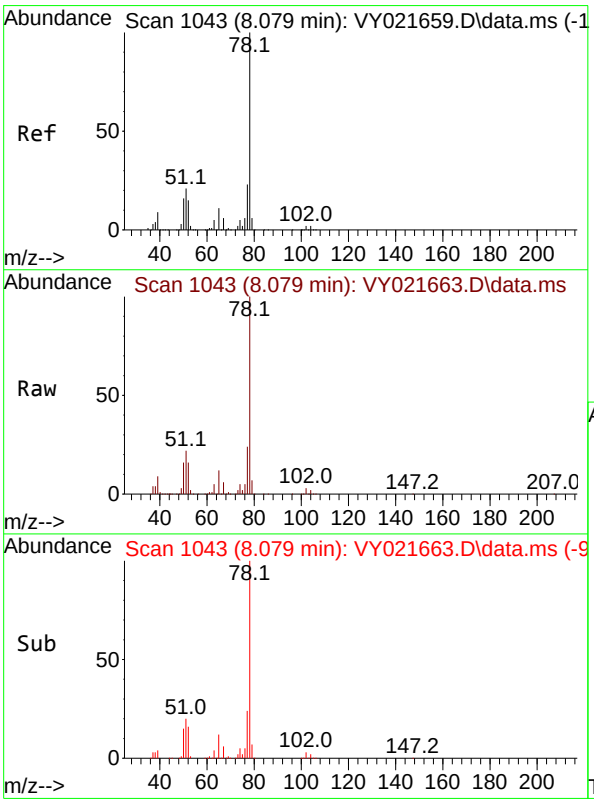
#39
Methylcyclohexane
Concen: 51.843 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 83 Resp: 231457

Ion	Ratio	Lower	Upper
83	100		
55	79.6	59.7	89.5
98	48.7	38.3	57.5

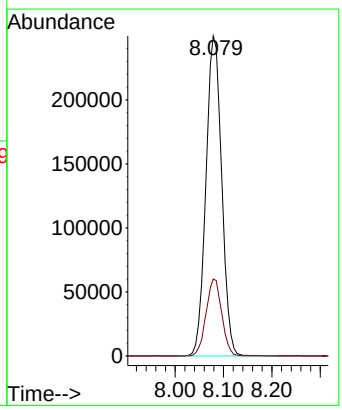


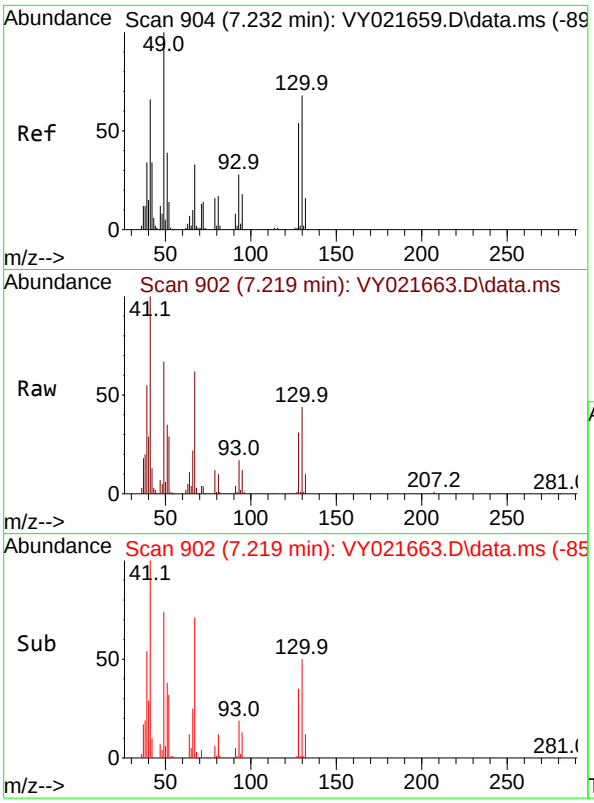


#40
Benzene
Concen: 50.574 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 78 Resp: 566027

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



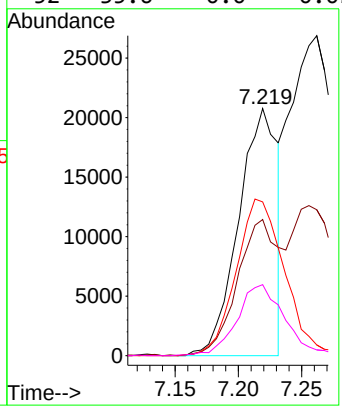


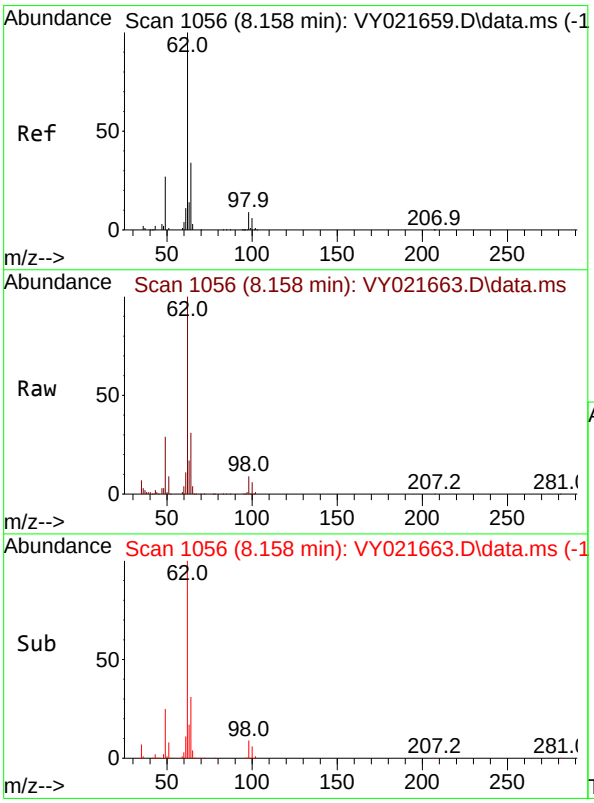
#41
Methacrylonitrile
Concen: 47.475 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 41 Resp: 44469

Ion	Ratio	Lower	Upper
41	100		
39	62.6	0.0	0.0#
67	79.2	0.0	0.0#
52	35.6	0.0	0.0#

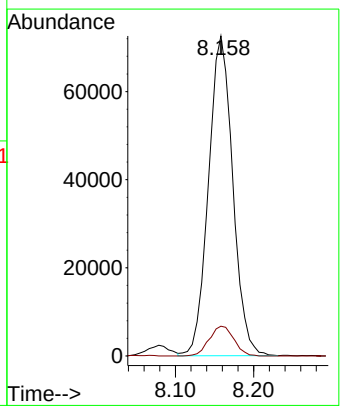


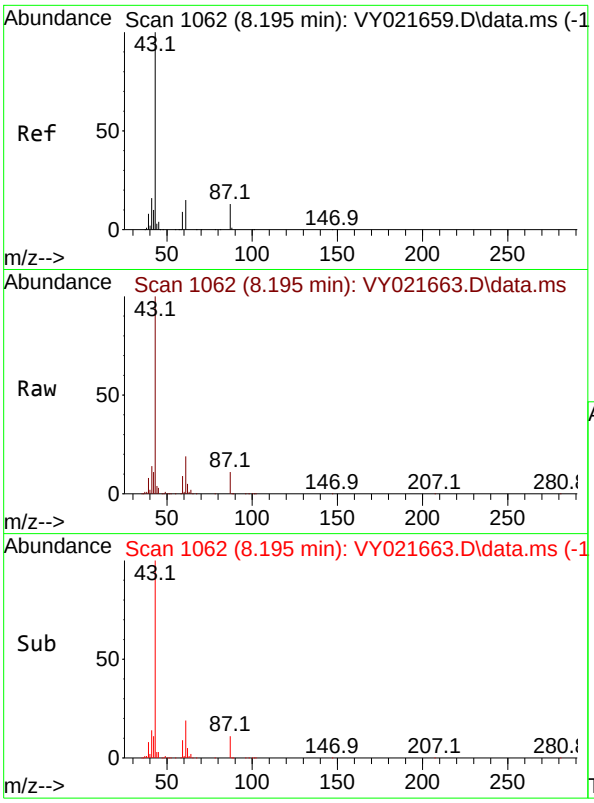


#42
1,2-Dichloroethane
Concen: 49.556 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 156359

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4



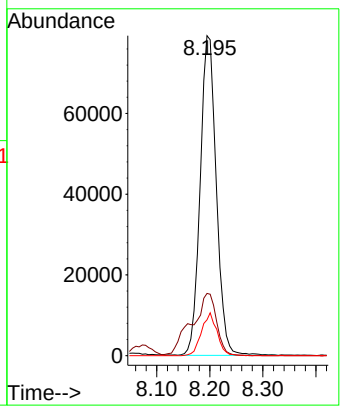


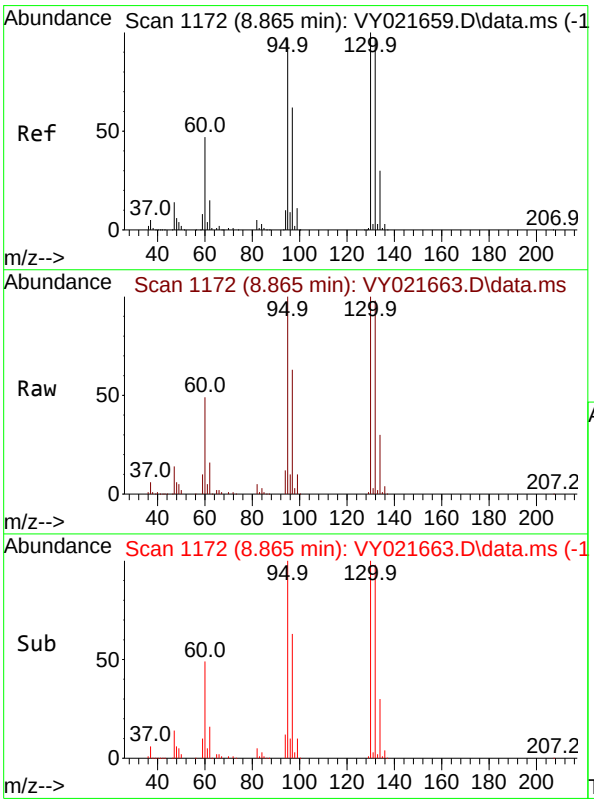
#43
Isopropyl Acetate
Concen: 50.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 43 Resp: 167476

Ion	Ratio	Lower	Upper
43	100		
61	30.0	15.9	23.9#
87	13.0	10.4	15.6

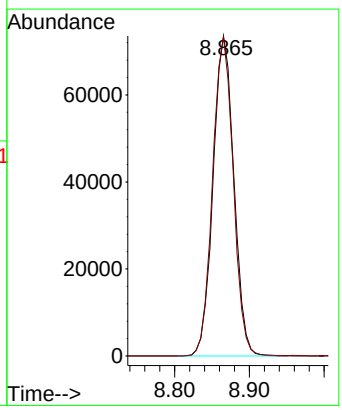


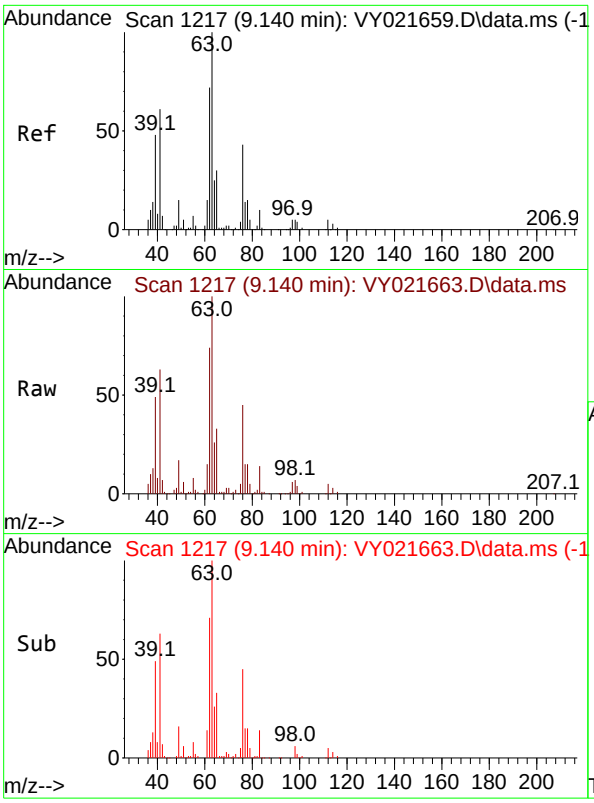


#44
Trichloroethene
Concen: 49.933 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:130 Resp: 142392

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	194.8



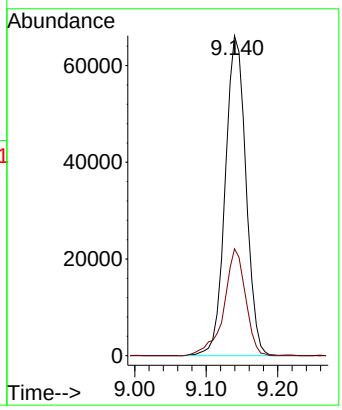


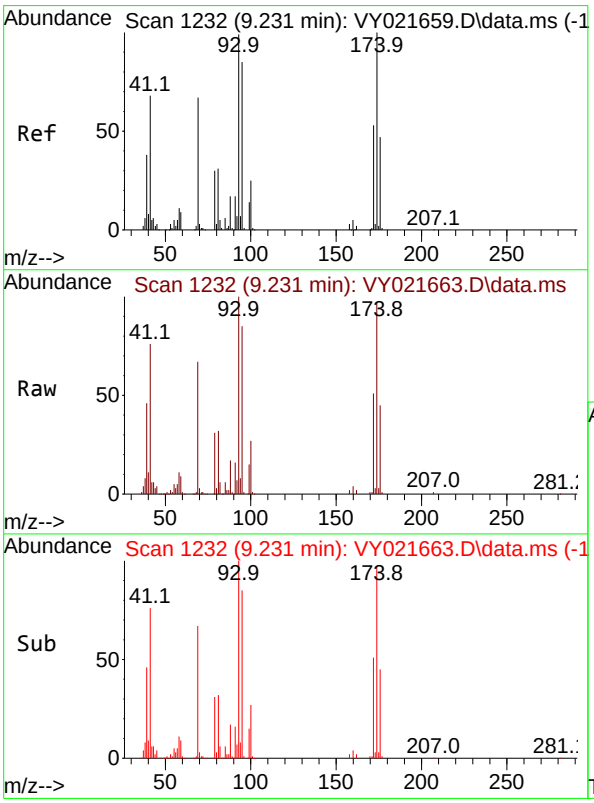
#45
1,2-Dichloropropane
Concen: 50.158 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 63 Resp: 132882

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.4	36.6

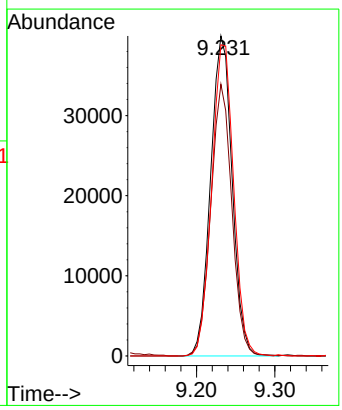


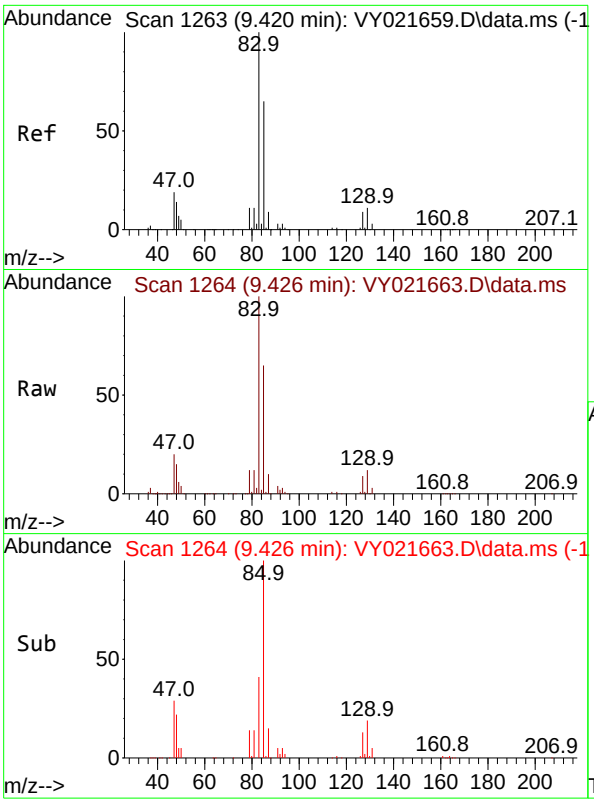


#46
Dibromomethane
Concen: 50.052 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 93 Resp: 76421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.1	102.1
174	99.0	80.9	121.3



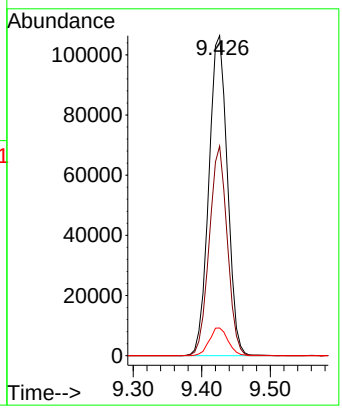


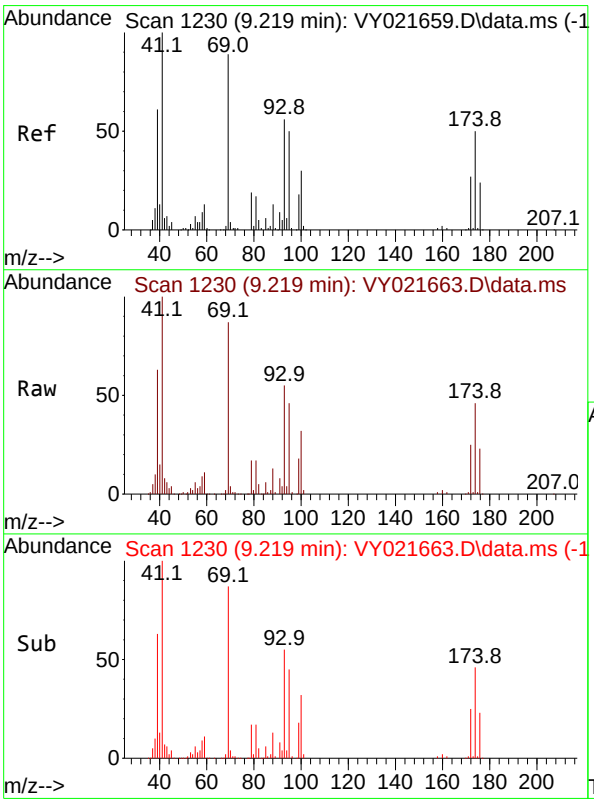
#47
Bromodichloromethane
Concen: 50.530 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 83 Resp: 199912

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	8.7	6.8	10.2

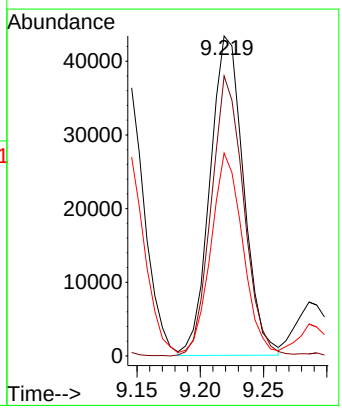


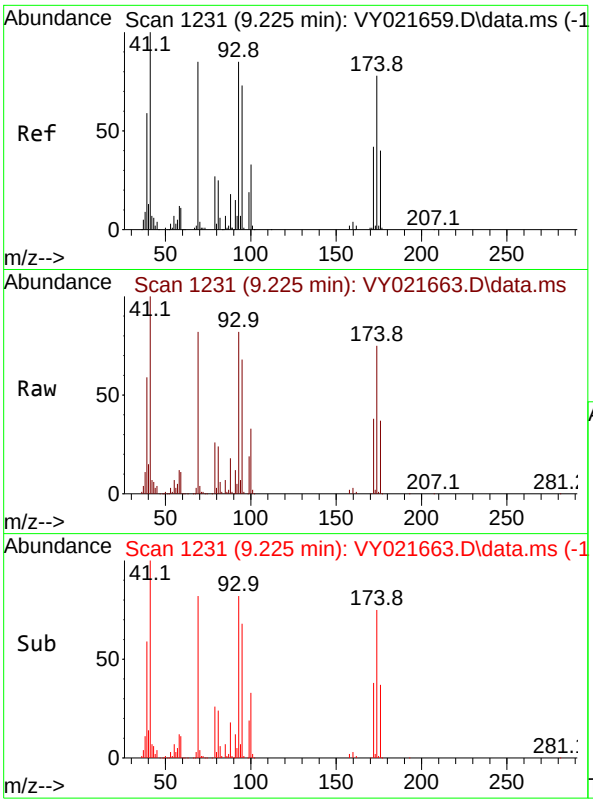


#48
Methyl methacrylate
Concen: 52.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 79887

Ion	Ratio	Lower	Upper
41	100		
69	84.8	69.8	104.8
39	58.6	47.2	70.8



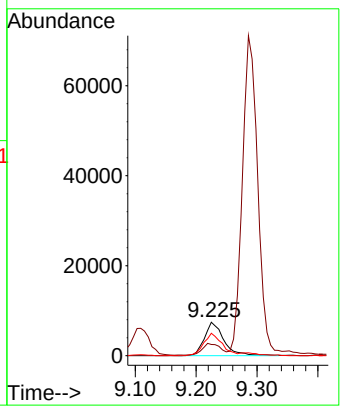


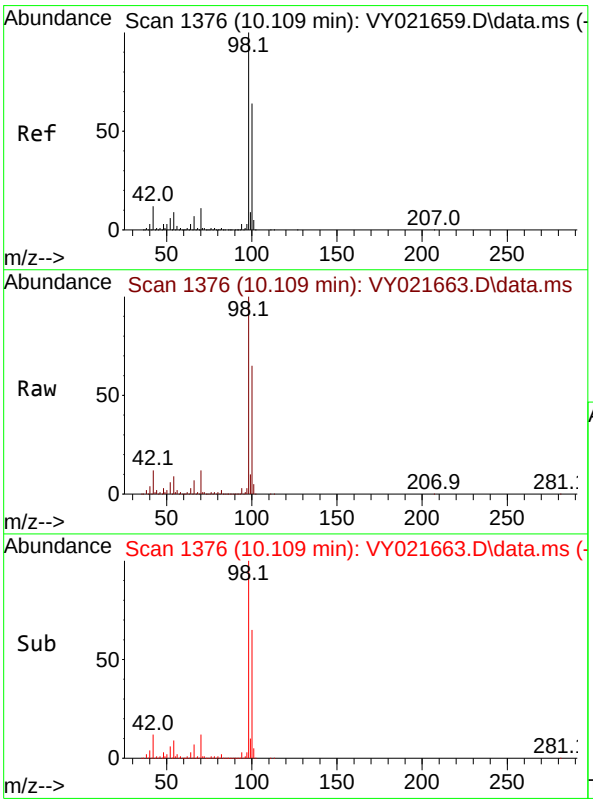
#49
1,4-Dioxane
Concen: 1006.593 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 88 Resp: 16464

Ion	Ratio	Lower	Upper
88	100		
43	32.8	28.8	43.2
58	63.4	59.4	89.2

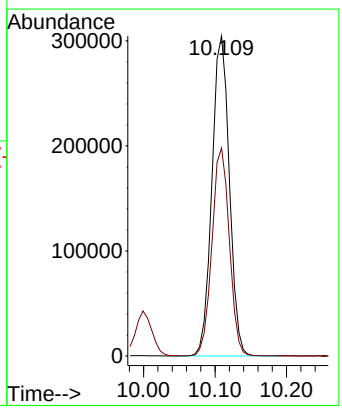


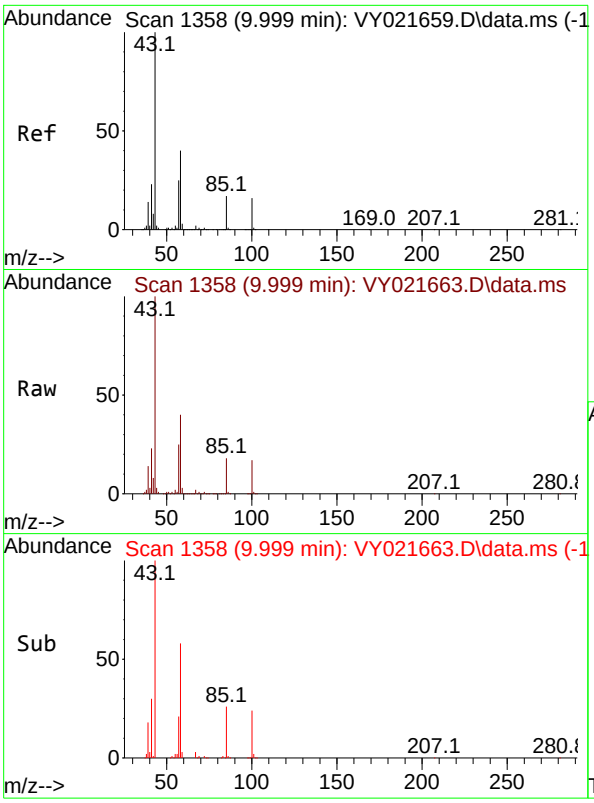


#50
Toluene-d8
Concen: 55.117 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 98 Resp: 514482

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



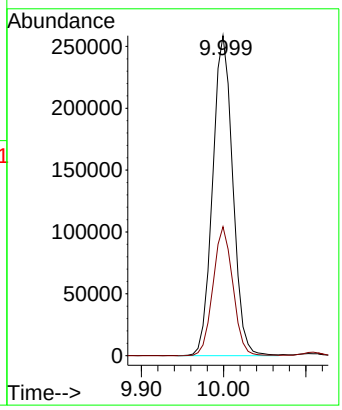


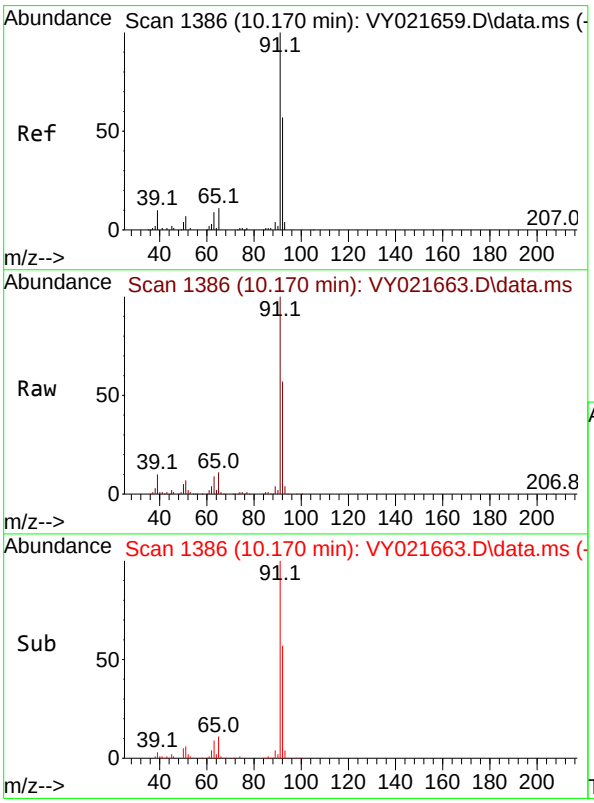
#51
4-Methyl-2-Pentanone
Concen: 252.890 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 43 Resp: 439879

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.5	47.3

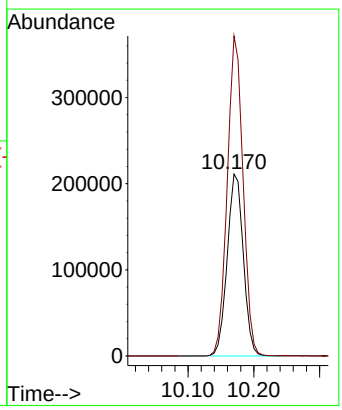


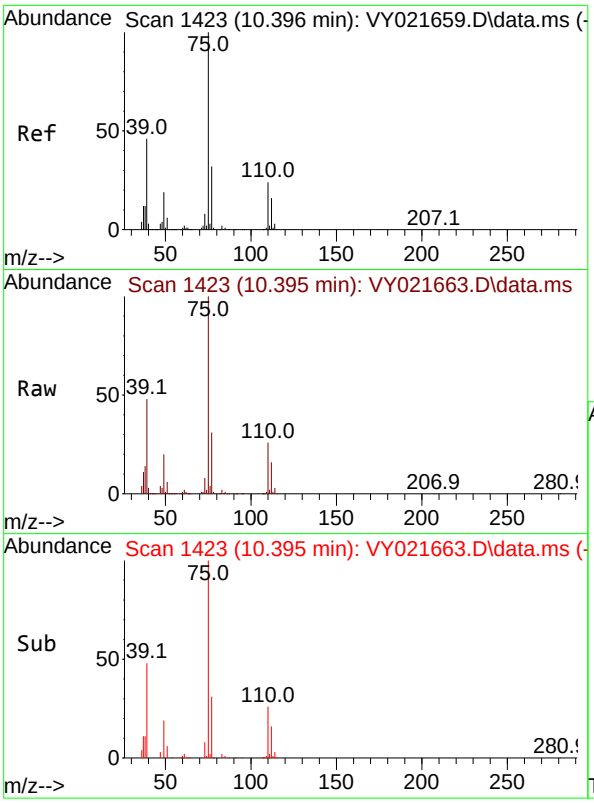


#52
Toluene
Concen: 51.555 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 92 Resp: 360002

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8



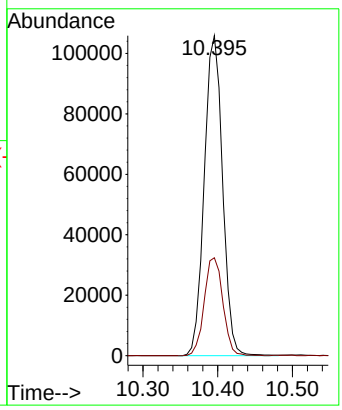


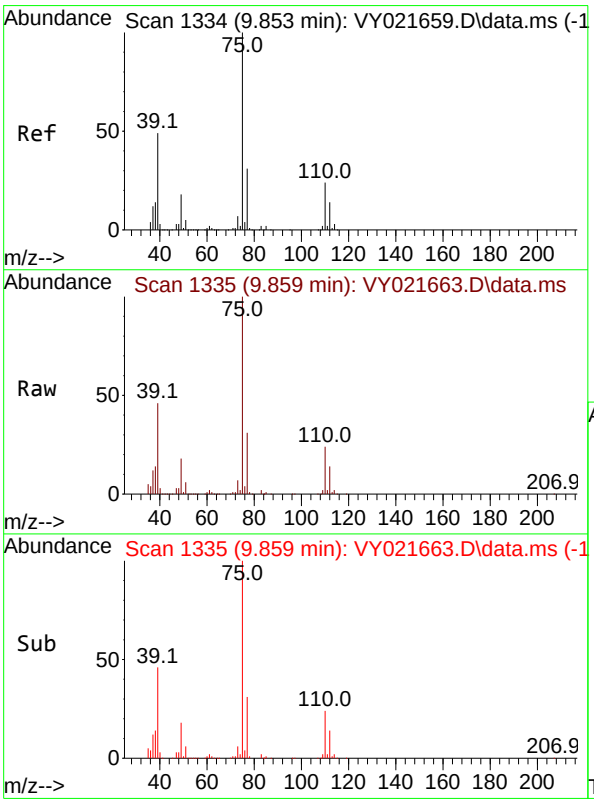
#53
t-1,3-Dichloropropene
Concen: 51.152 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 75 Resp: 179752

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.3	37.9

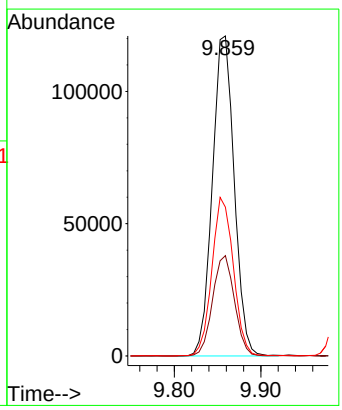


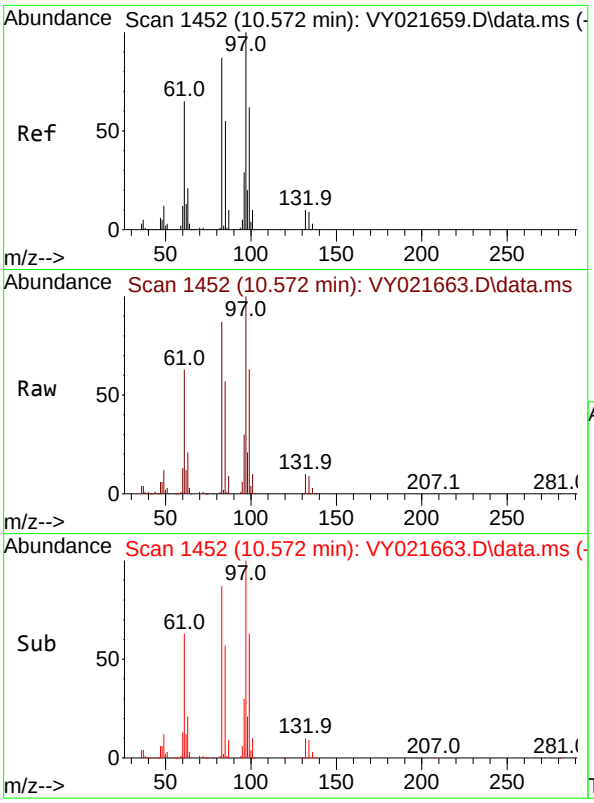


#54
cis-1,3-Dichloropropene
Concen: 51.154 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 212066

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3
39	46.4	39.2	58.8



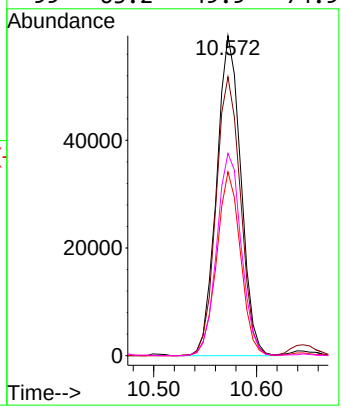


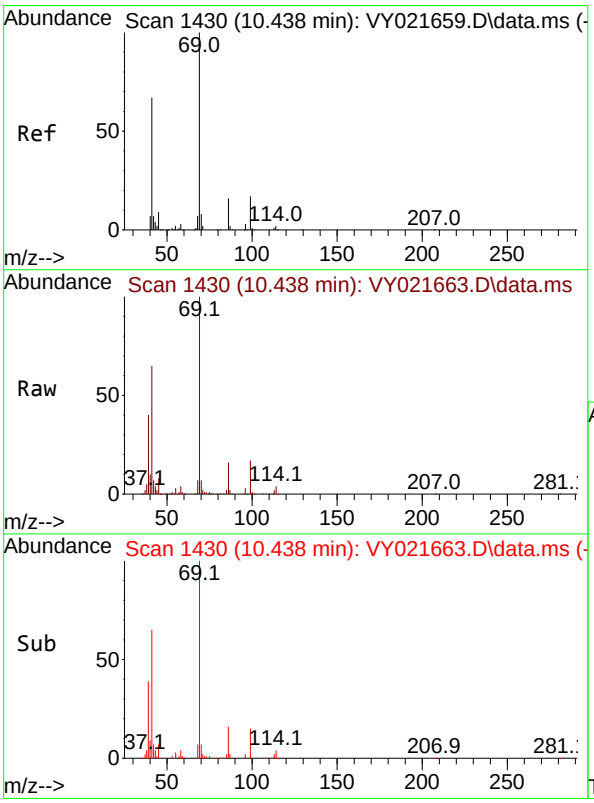
#55
1,1,2-Trichloroethane
Concen: 49.656 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 97 Resp: 97567

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.5	104.3
85	57.4	43.9	65.9
99	63.2	49.9	74.9

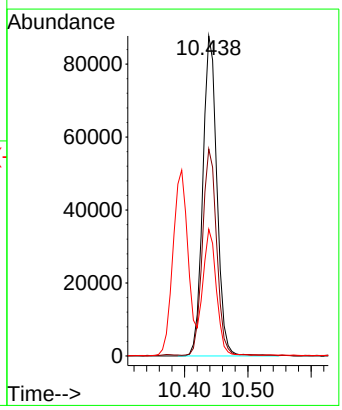


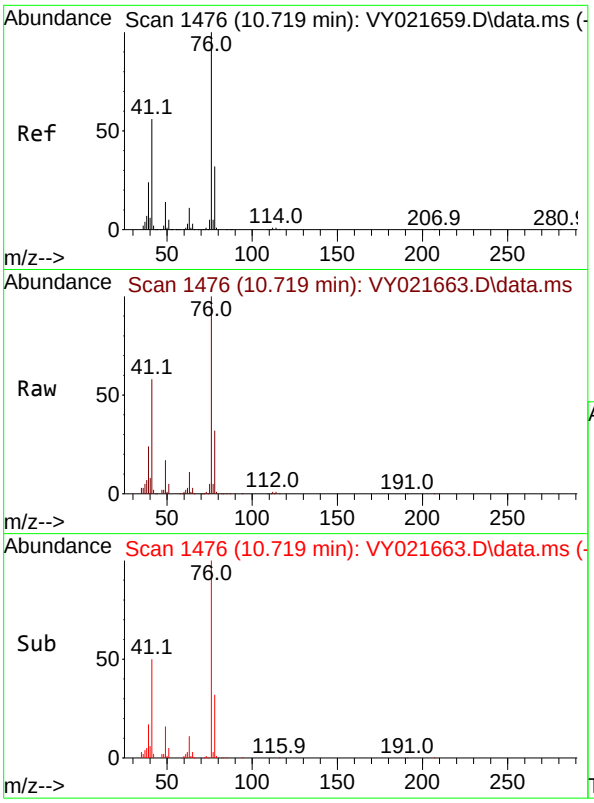


#56
Ethyl methacrylate
Concen: 54.371 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 69 Resp: 136411

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.8	80.6
39	37.0	29.6	44.4



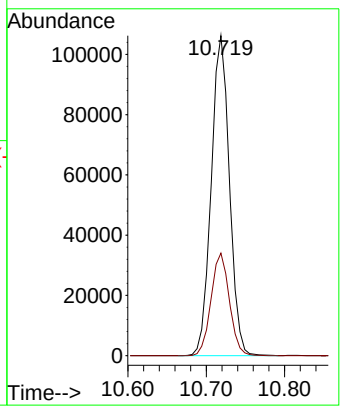


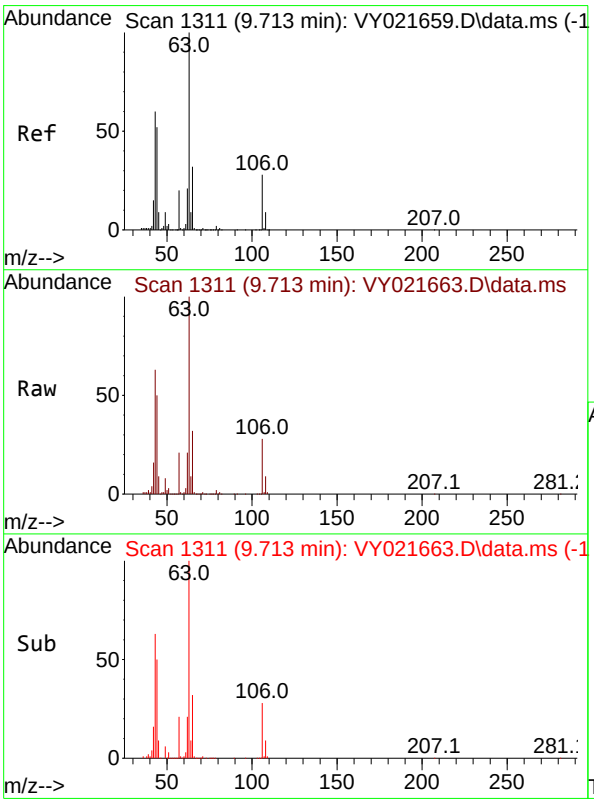
#57
1,3-Dichloropropane
Concen: 50.563 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 76 Resp: 171579

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

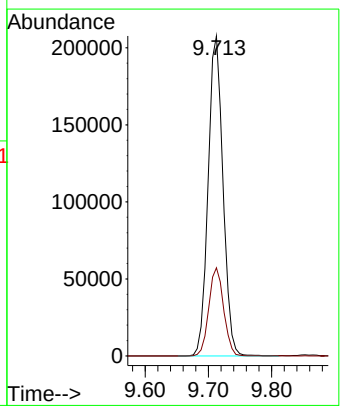


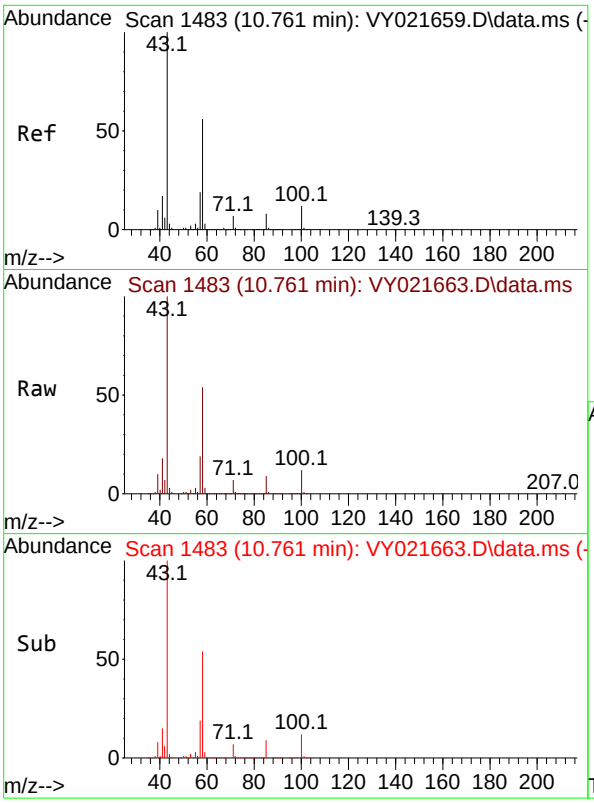


#58
2-Chloroethyl Vinyl ether
Concen: 276.714 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 338673

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.4	33.6



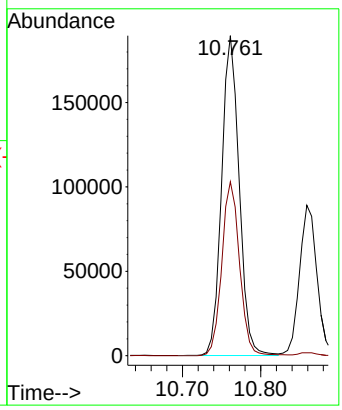


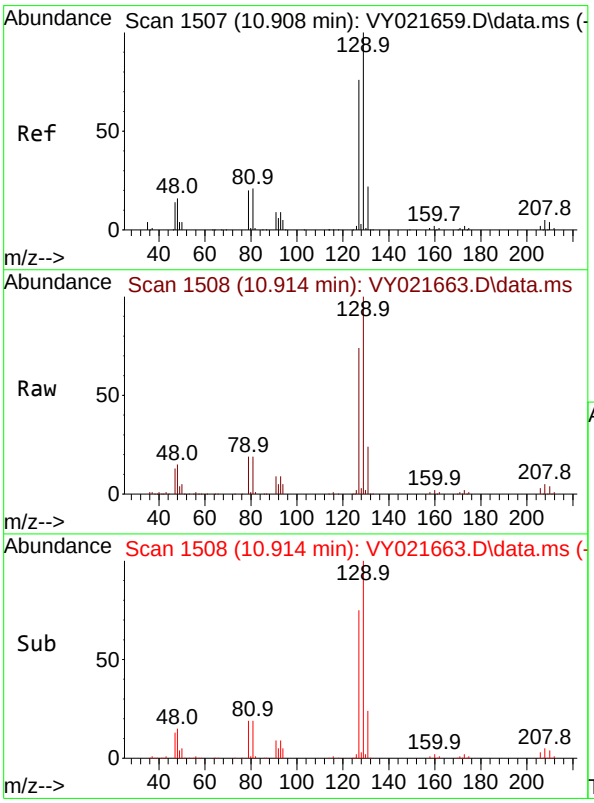
#59
2-Hexanone
Concen: 255.065 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 43 Resp: 295472

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.2	81.5

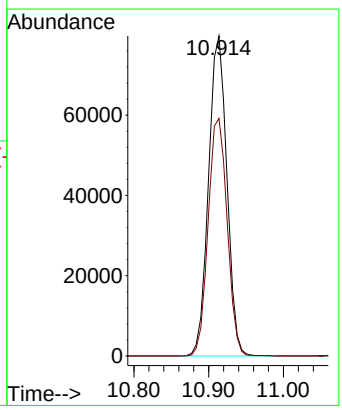


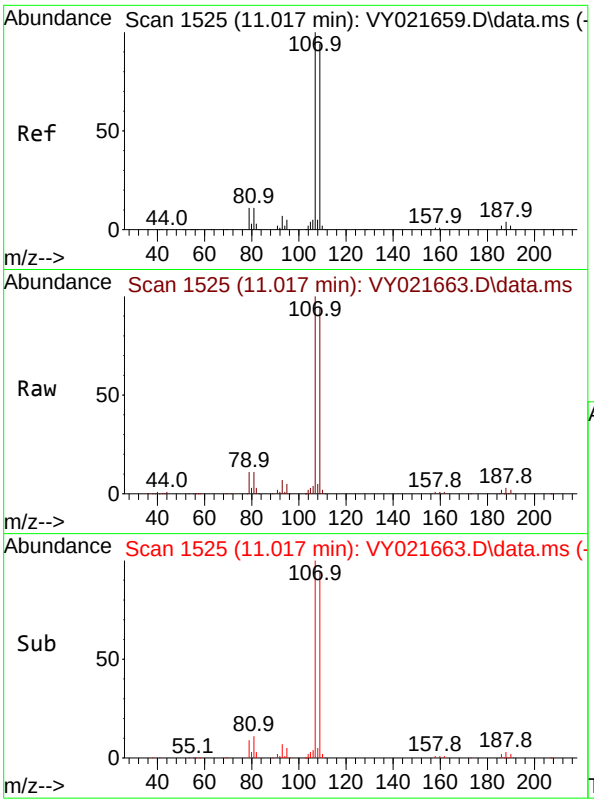


#60
Dibromochloromethane
Concen: 50.679 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:129 Resp: 135955

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7



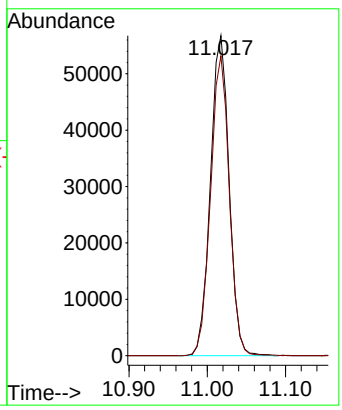


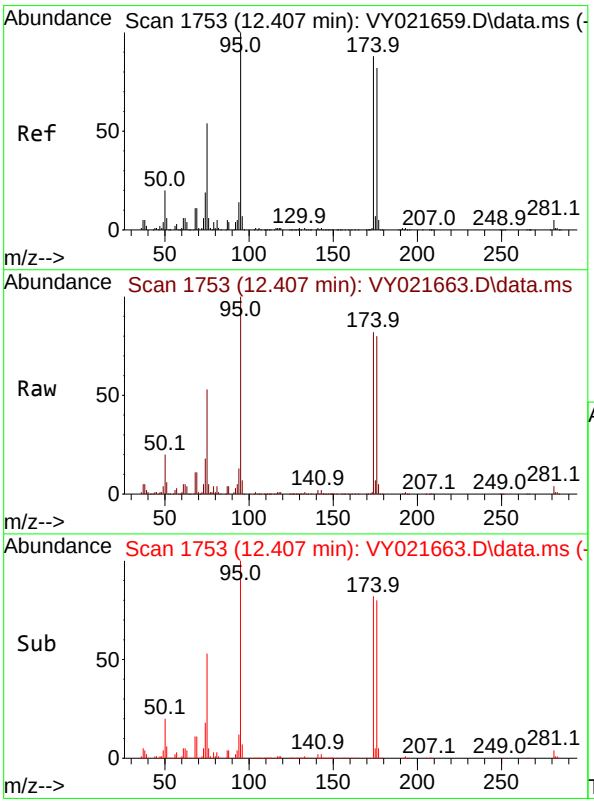
#61
1,2-Dibromoethane
Concen: 50.970 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:107 Resp: 93947

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.4	111.6

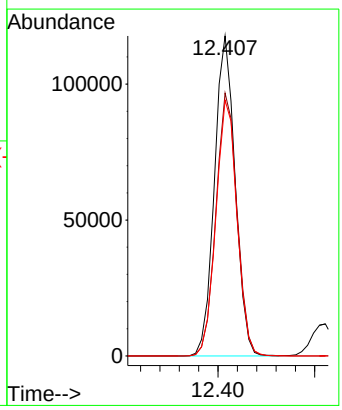


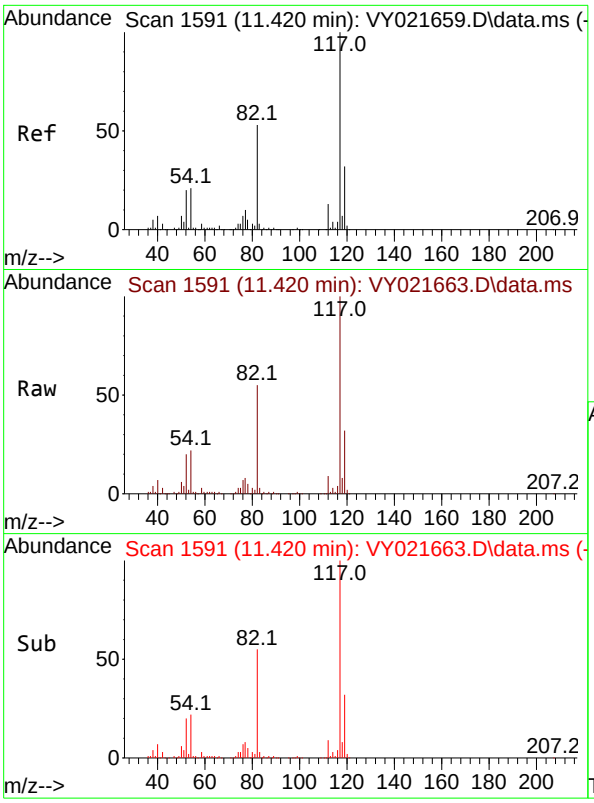


#62
4-Bromofluorobenzene
Concen: 55.339 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 95 Resp: 174721

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	81.4	0.0	162.0



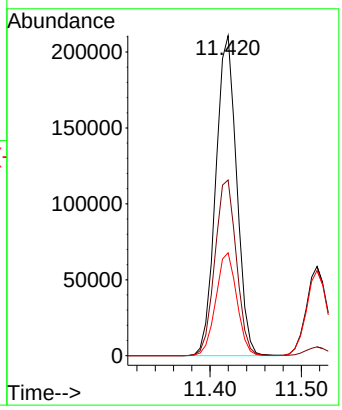


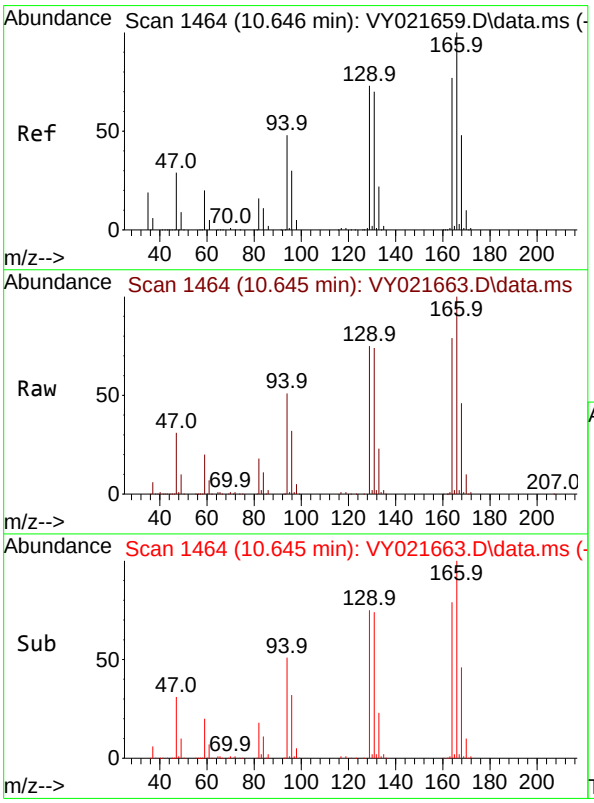
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:117 Resp: 335061

Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.8	64.2
119	32.1	25.7	38.5

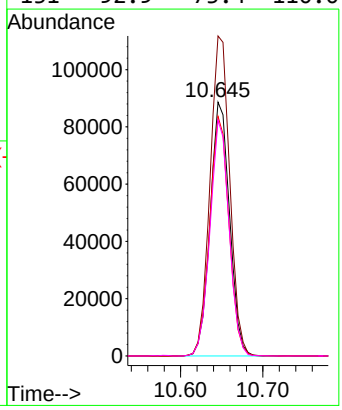


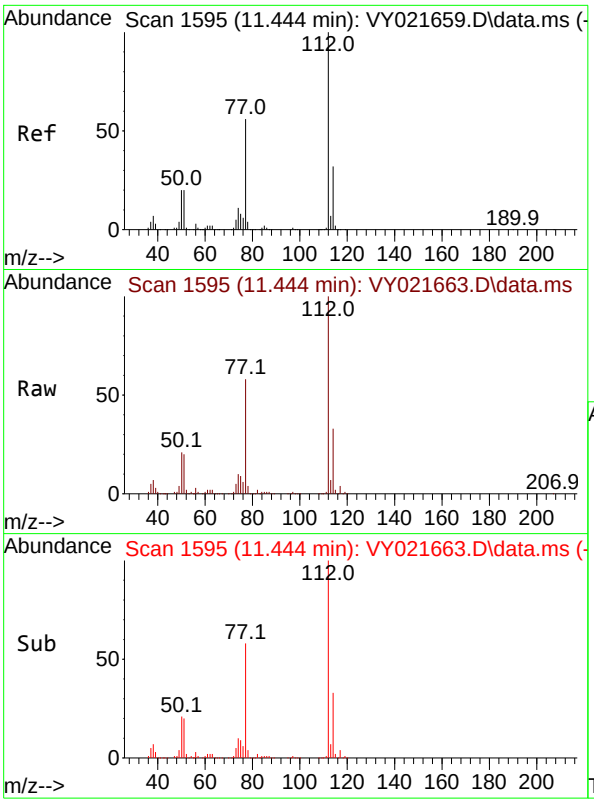


#64
Tetrachloroethene
Concen: 47.757 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:164 Resp: 145736

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.6	156.8
129	94.4	76.6	114.8
131	92.9	73.4	110.0



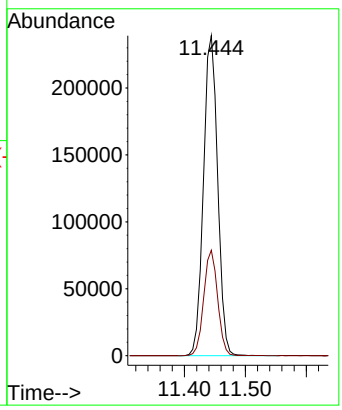


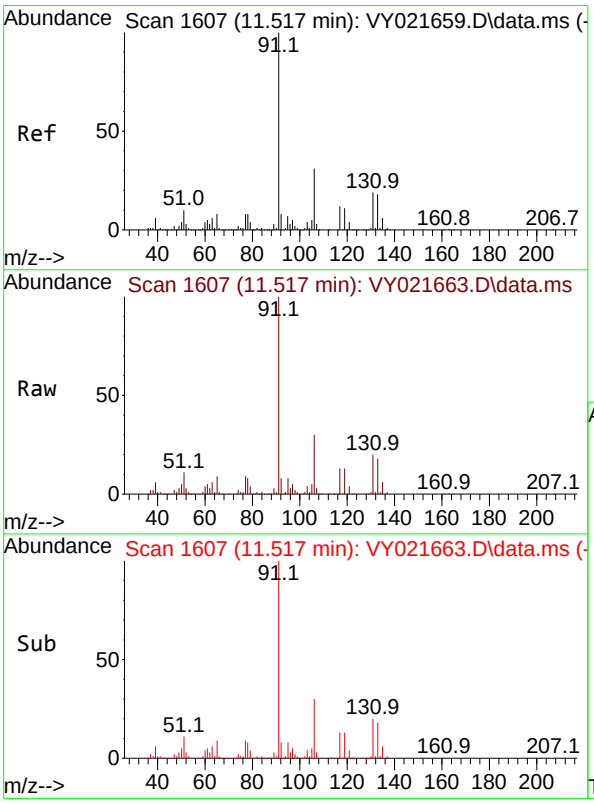
#65
Chlorobenzene
Concen: 50.384 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:112 Resp: 386987

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.9	38.9

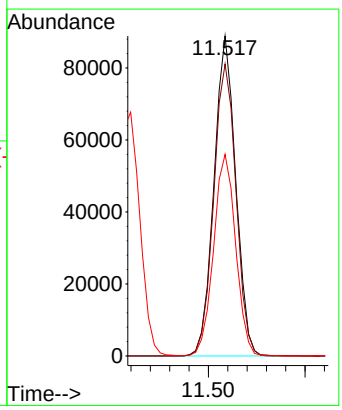


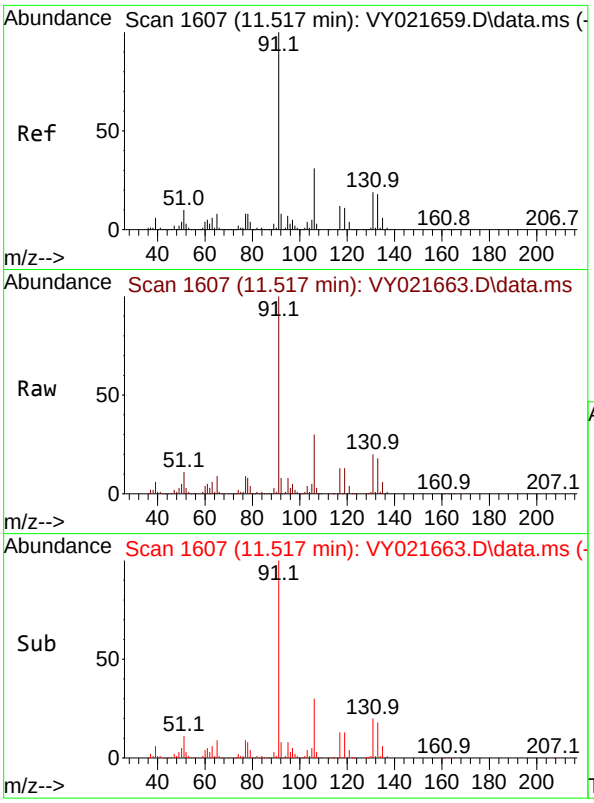


#66
1,1,1,2-Tetrachloroethane
Concen: 50.802 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:131 Resp: 138442

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.3	141.8
119	64.1	31.6	95.0



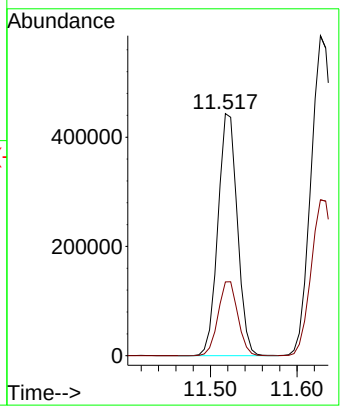


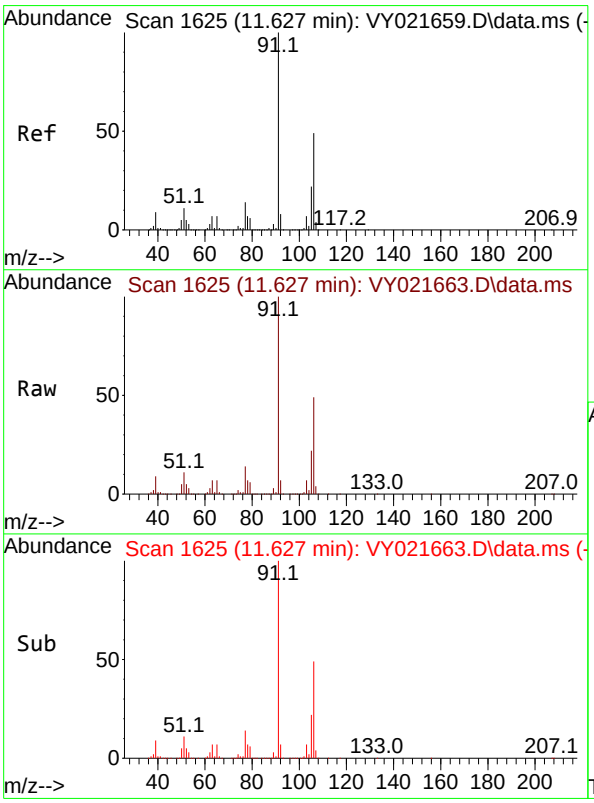
#67
Ethyl Benzene
Concen: 52.346 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 91 Resp: 689434

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8

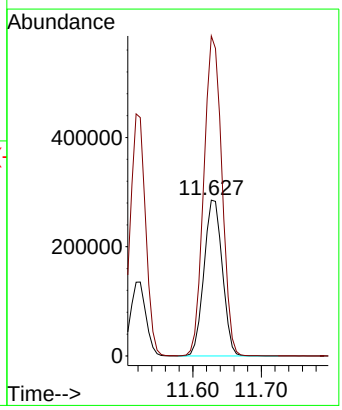


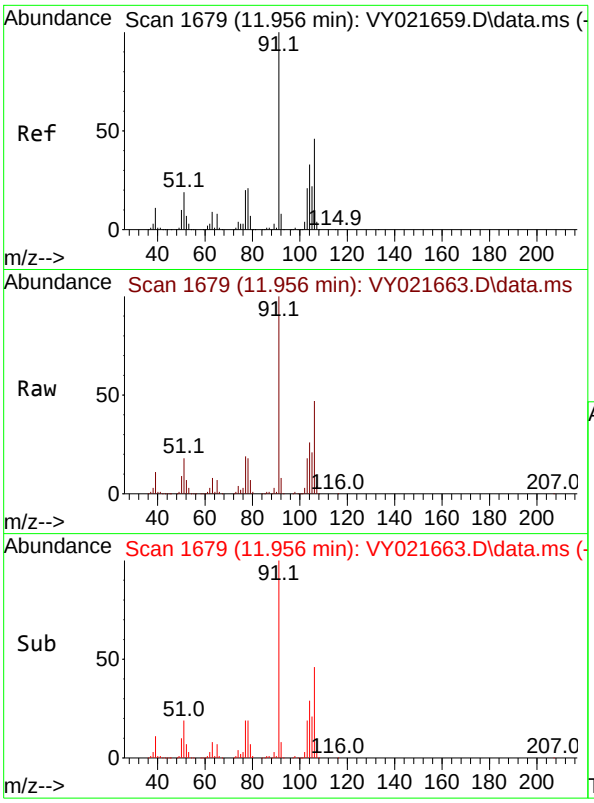


#68
m/p-Xylenes
Concen: 105.402 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:106 Resp: 531589

Ion	Ratio	Lower	Upper
106	100		
91	202.3	162.4	243.6



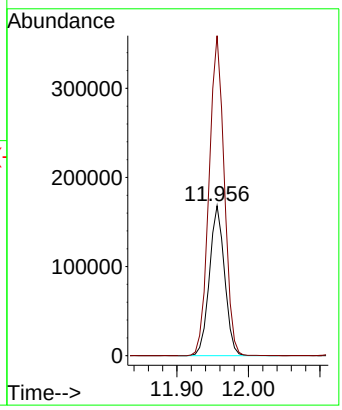


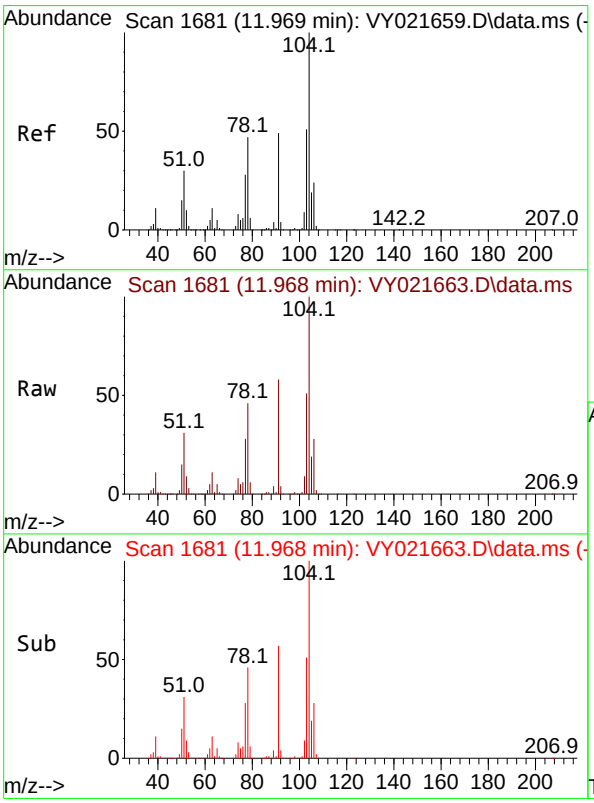
#69
o-Xylene
Concen: 53.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:106 Resp: 247091

Ion	Ratio	Lower	Upper
106	100		
91	214.6	106.7	319.9

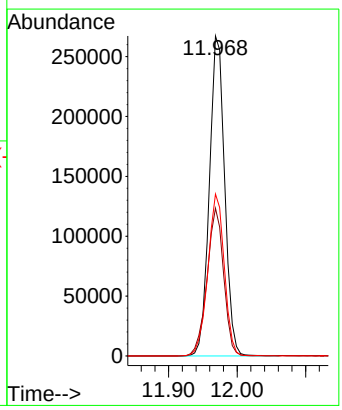


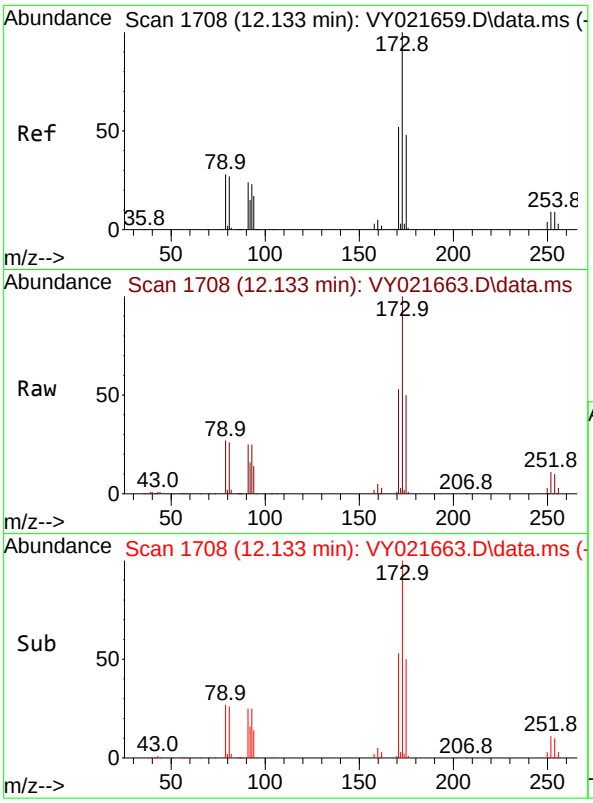


#70
Styrene
Concen: 53.627 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:104 Resp: 416261

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.8	61.2
103	54.3	44.2	66.2



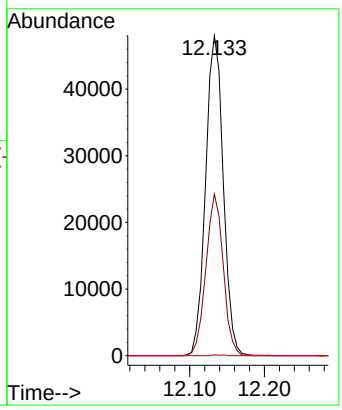


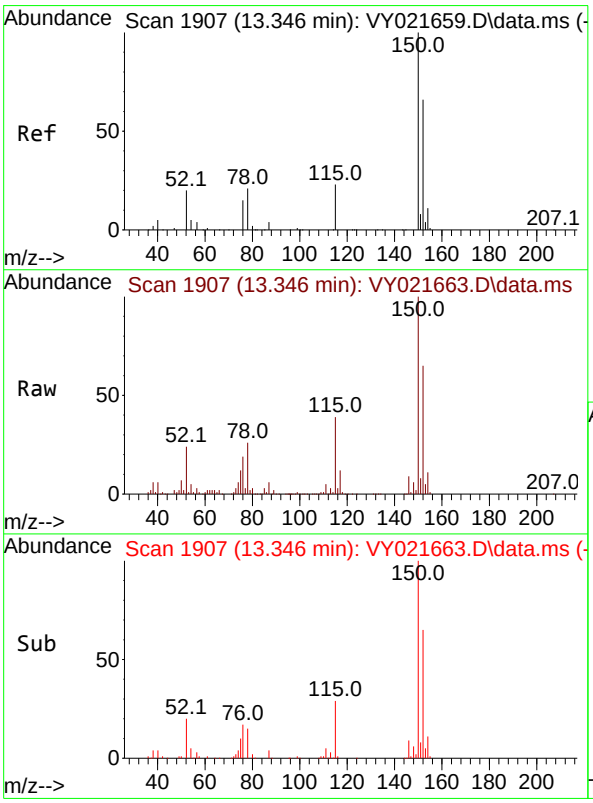
#71
Bromoform
Concen: 50.778 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:173 Resp: 78932

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	73.0
254	0.2	0.1	0.1#

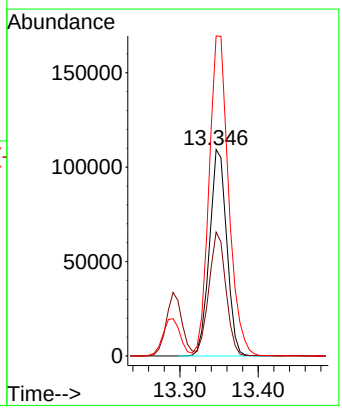


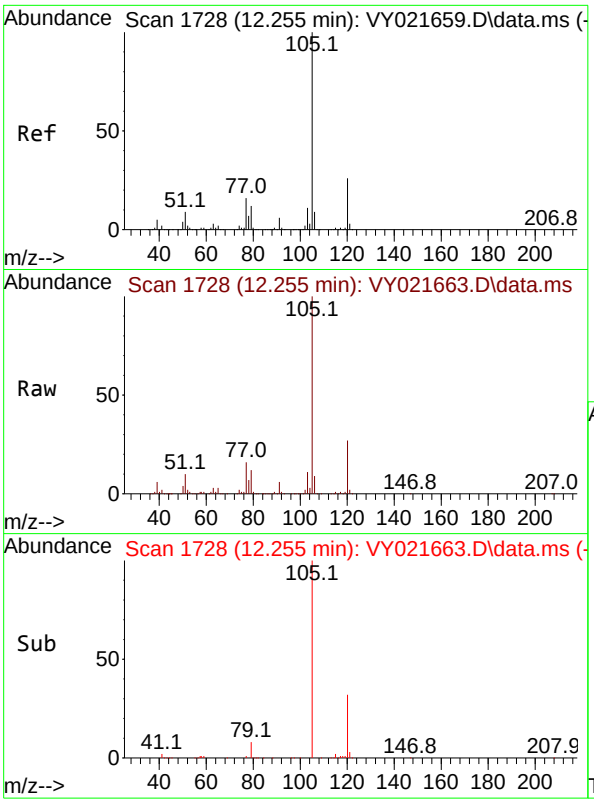


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:152 Resp: 166949

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.5
150	175.8	0.0	348.4



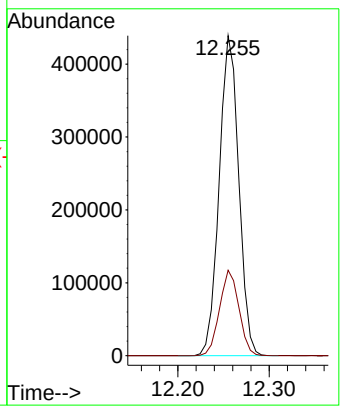


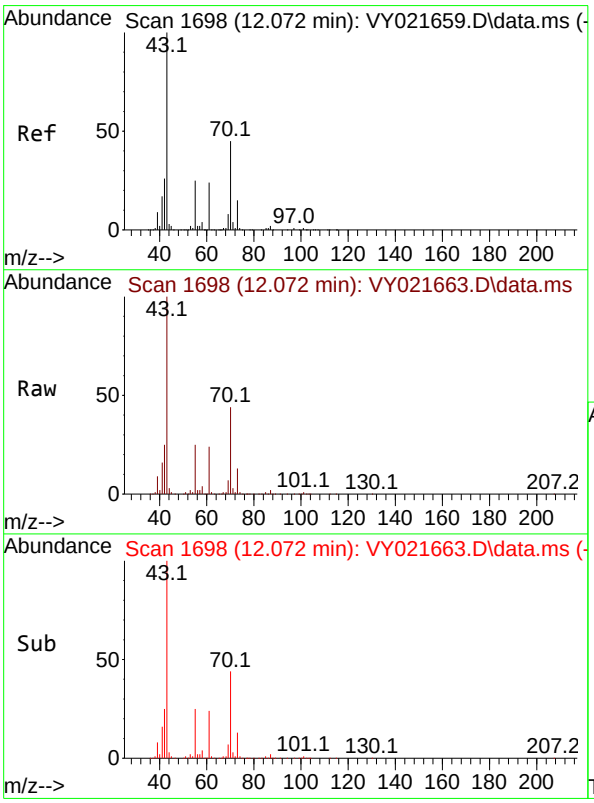
#73
Isopropylbenzene
Concen: 52.705 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:105 Resp: 653541

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5

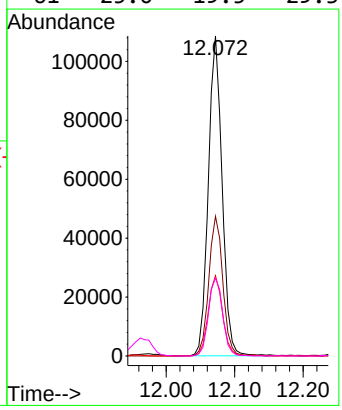


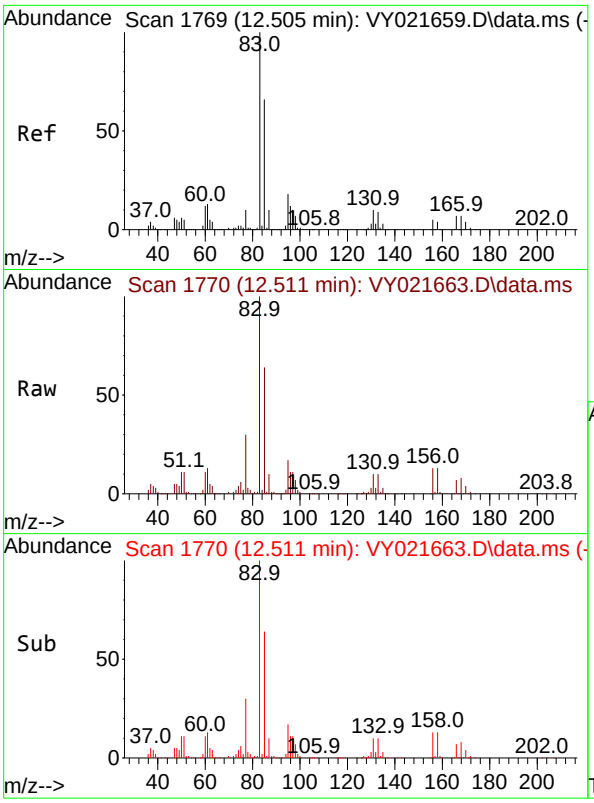


#74
N-amyl acetate
Concen: 52.323 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 152268

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.7	52.1
55	26.0	21.2	31.8
61	25.0	19.5	29.3



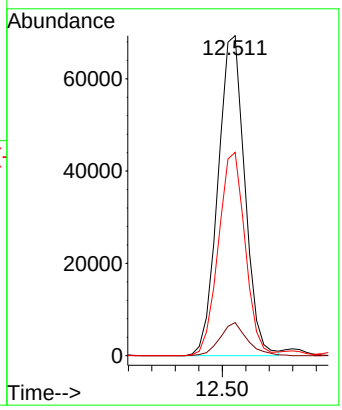


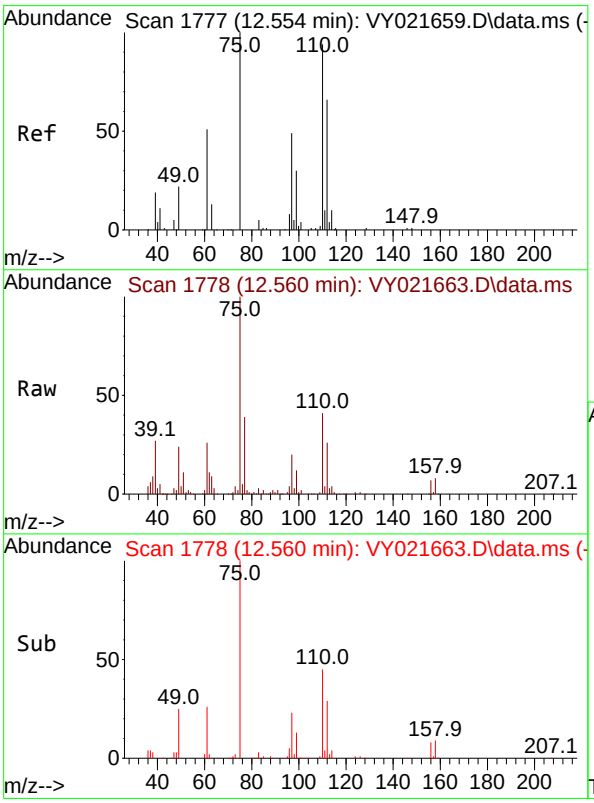
#75
1,1,2,2-Tetrachloroethane
Concen: 49.266 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 83 Resp: 109833

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.6	32.3	96.8

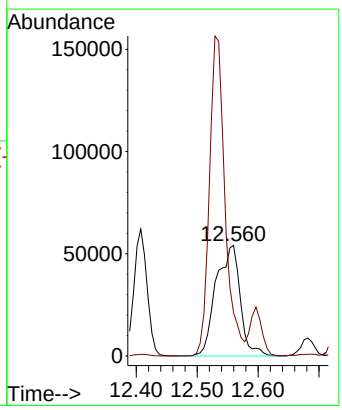


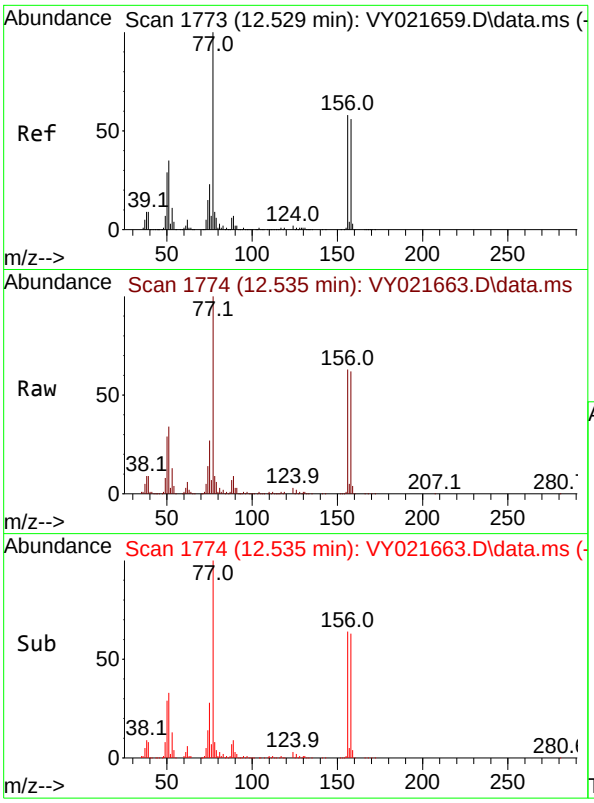


#76
1,2,3-Trichloropropane
Concen: 89.982 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 148910

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



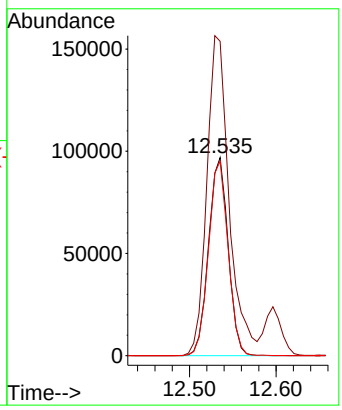


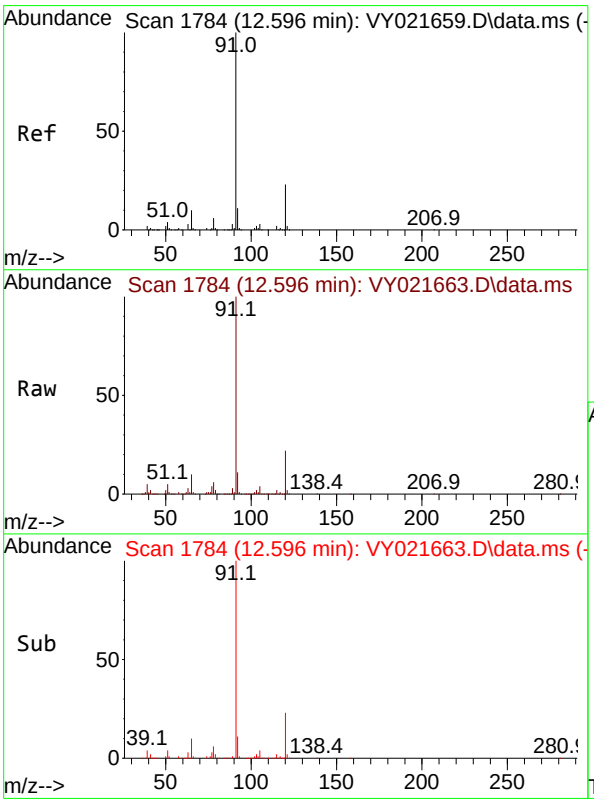
#77
Bromobenzene
Concen: 51.125 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:156 Resp: 152211

Ion	Ratio	Lower	Upper
156	100		
77	184.2	92.8	278.3
158	98.1	48.5	145.6

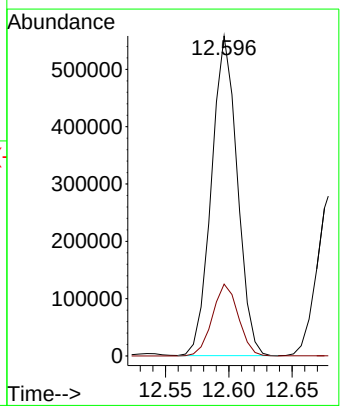


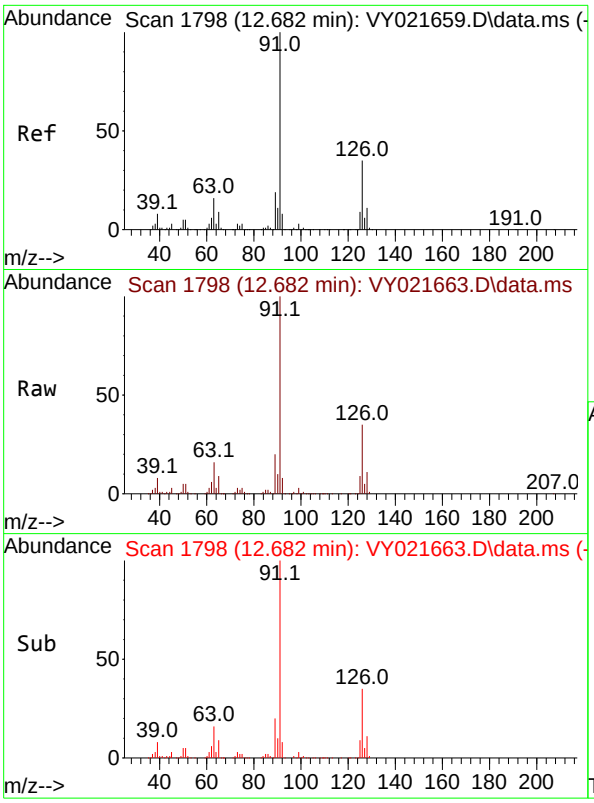


#78
n-propylbenzene
Concen: 53.182 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 792814

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9



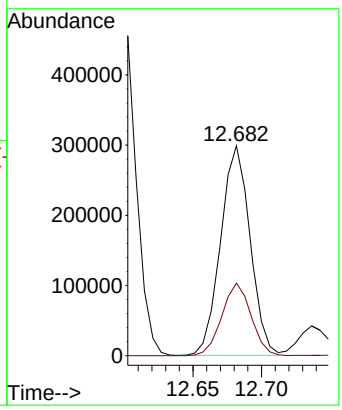


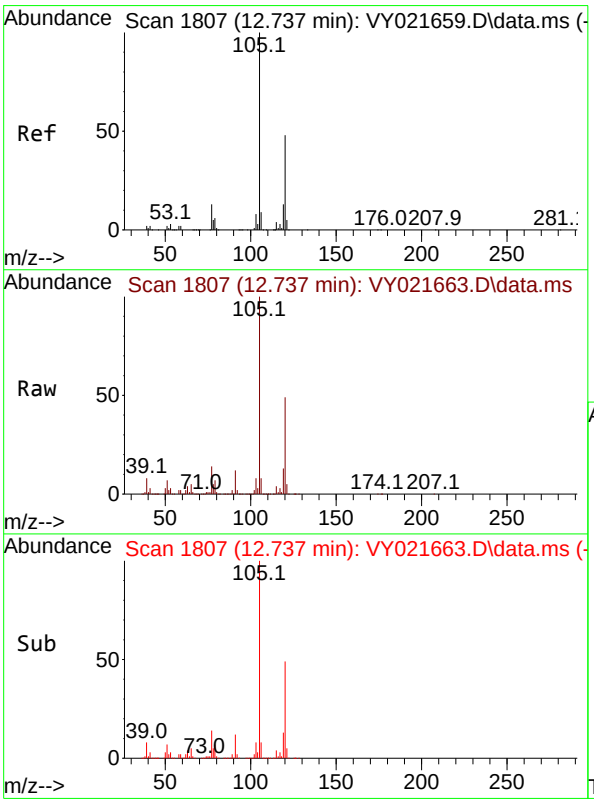
#79
2-Chlorotoluene
Concen: 51.671 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 91 Resp: 447402

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0

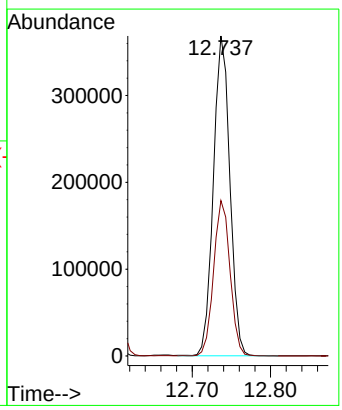


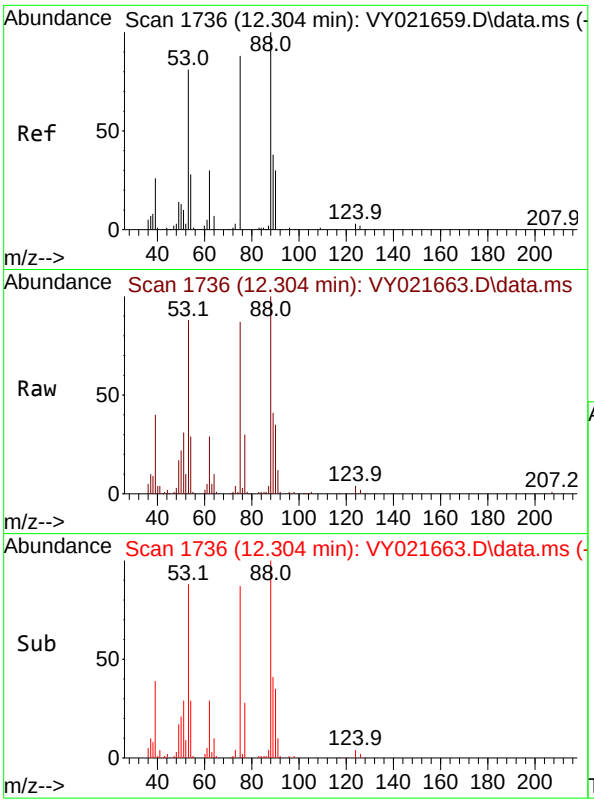


#80
1,3,5-Trimethylbenzene
Concen: 53.236 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 539512

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.5	73.5



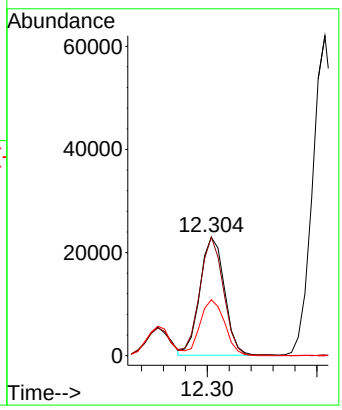


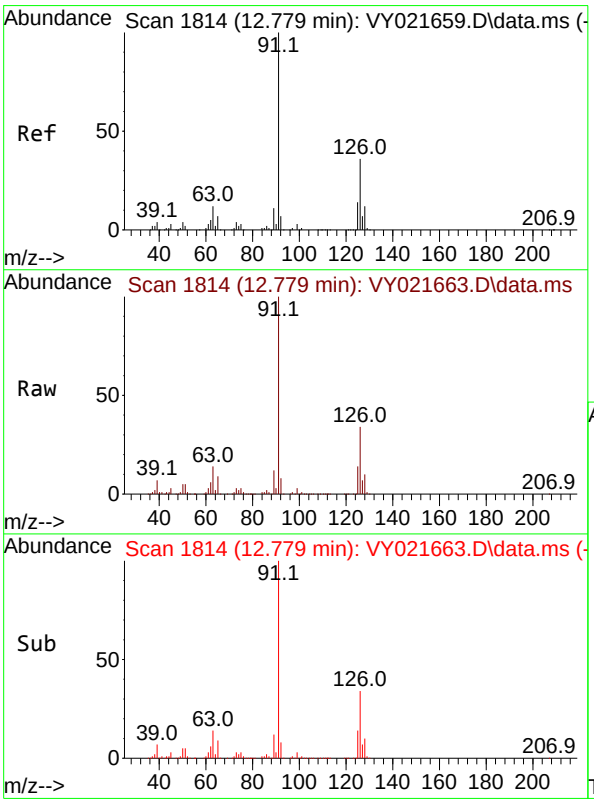
#81
trans-1,4-Dichloro-2-butene
Concen: 49.488 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 75 Resp: 35543

Ion	Ratio	Lower	Upper
75	100		
53	98.7	76.1	114.1
89	47.3	36.2	54.4

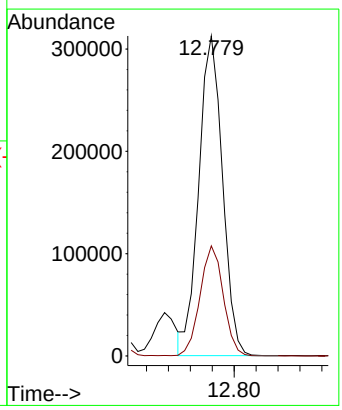


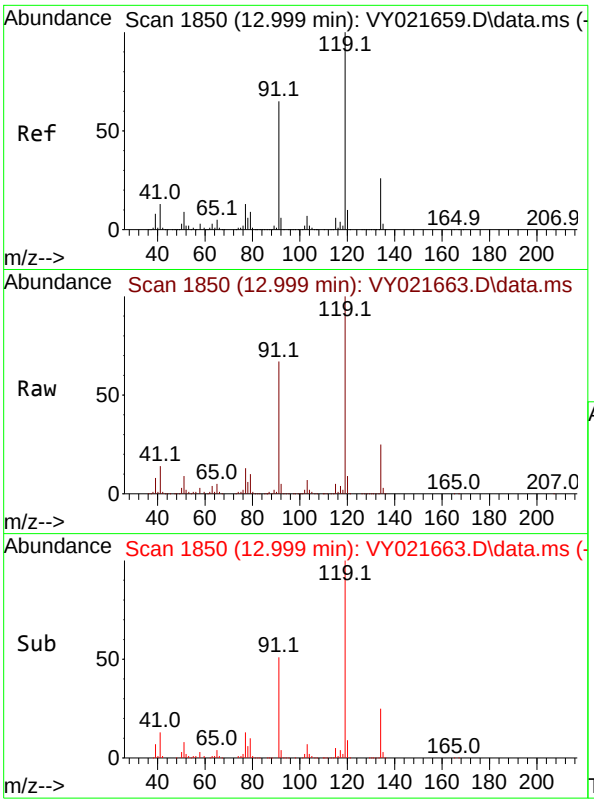


#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 469122

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9



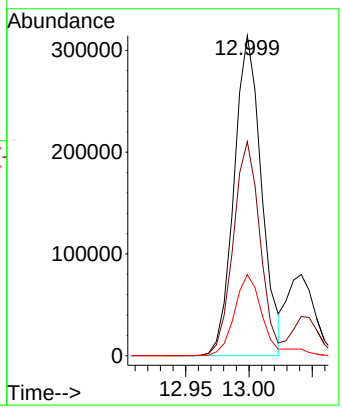


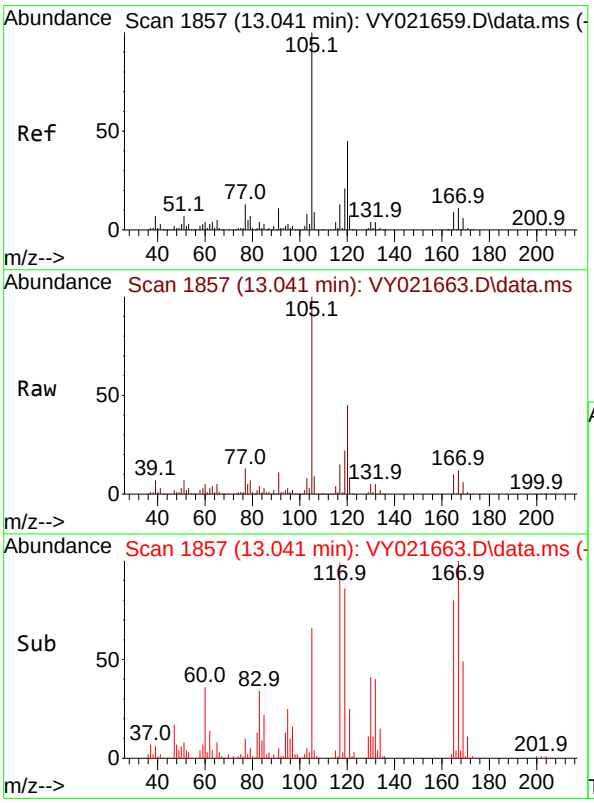
#83
tert-Butylbenzene
Concen: 52.616 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:119 Resp: 474947

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.5	13.2	39.6

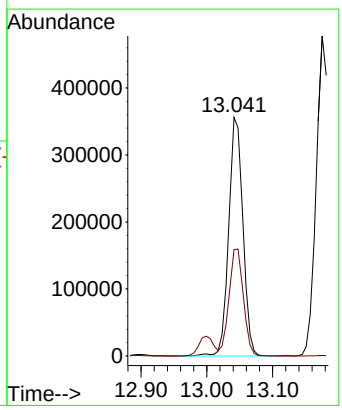


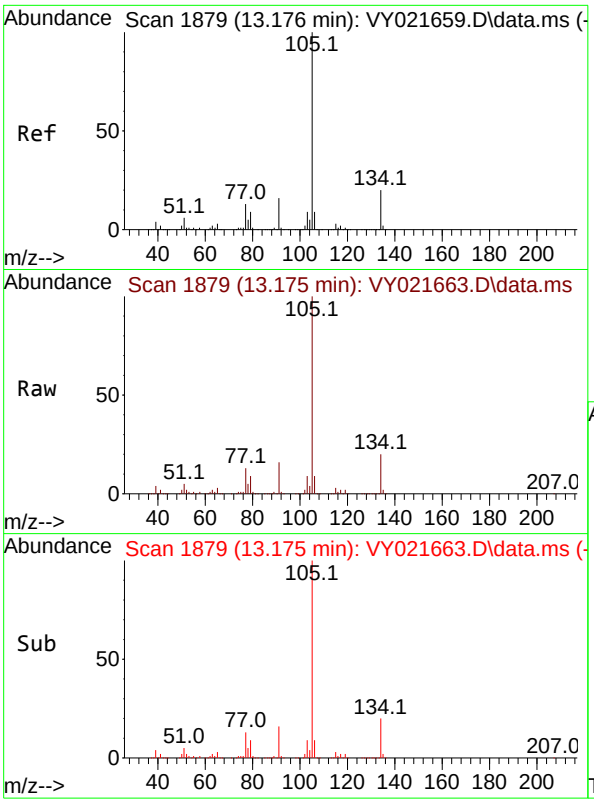


#84
1,2,4-Trimethylbenzene
Concen: 53.454 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 535411

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.1



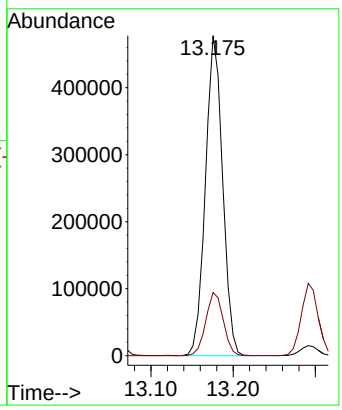


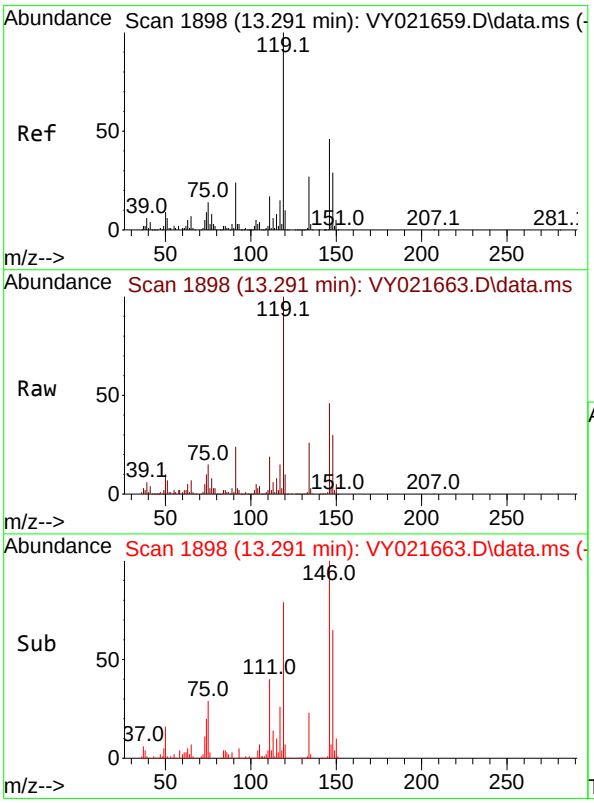
#85
sec-Butylbenzene
Concen: 52.471 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:105 Resp: 692180

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

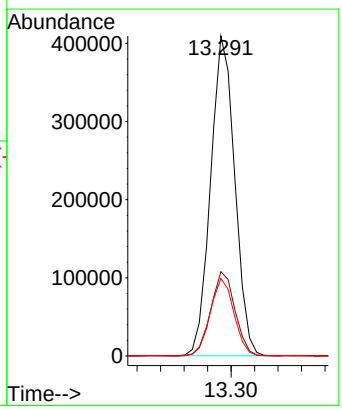


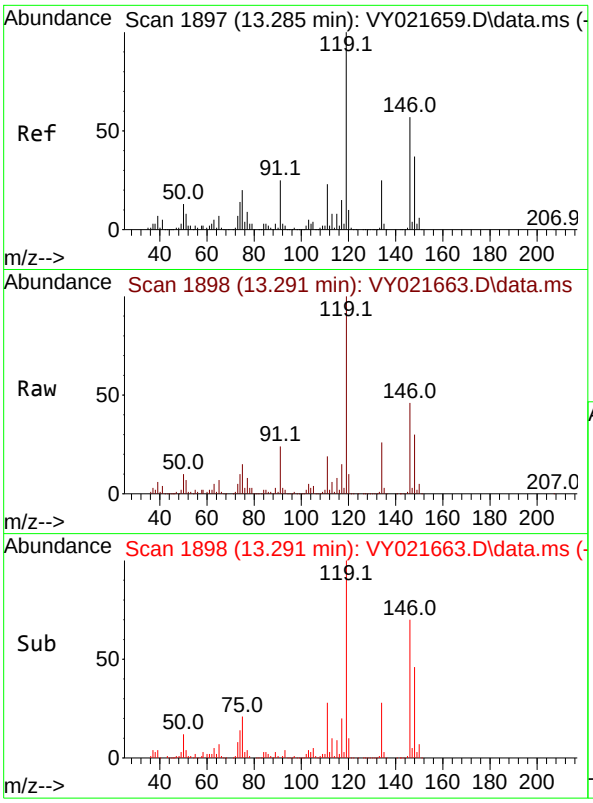


#86
p-Isopropyltoluene
Concen: 53.479 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:119 Resp: 583069

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.8	12.0	36.0



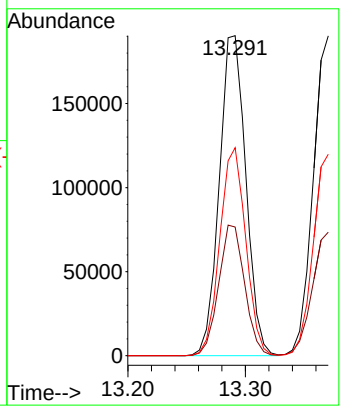


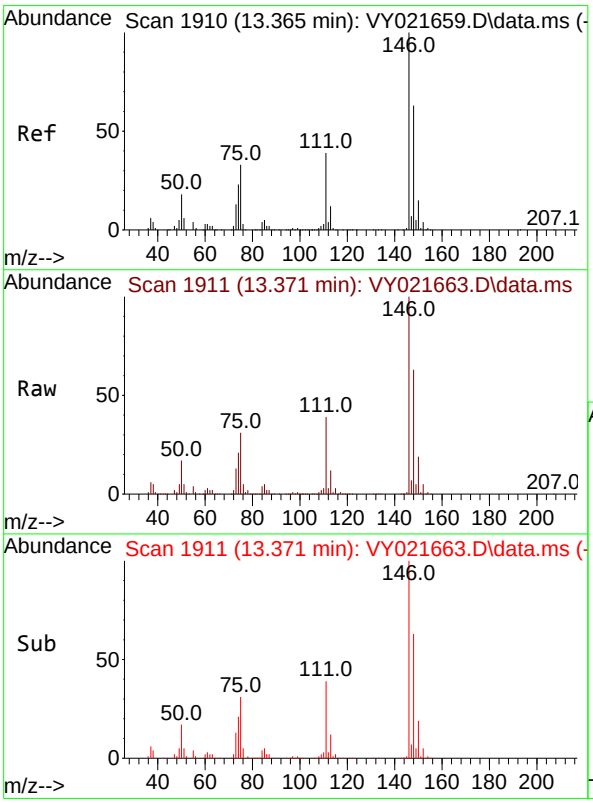
#87
1,3-Dichlorobenzene
Concen: 50.987 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:146 Resp: 299075

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	31.8	95.4

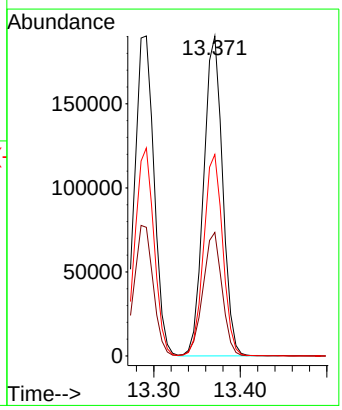


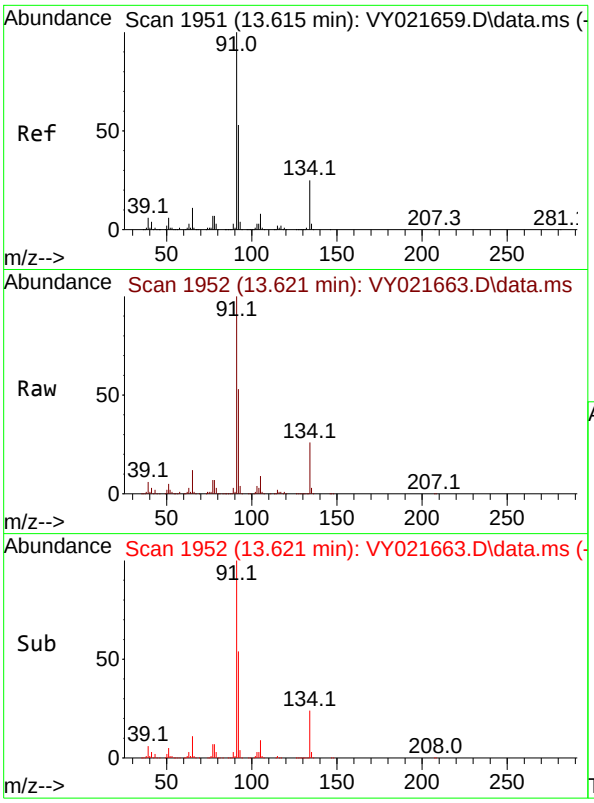


#88
1,4-Dichlorobenzene
Concen: 49.741 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 288264

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.1
148	63.7	31.5	94.5



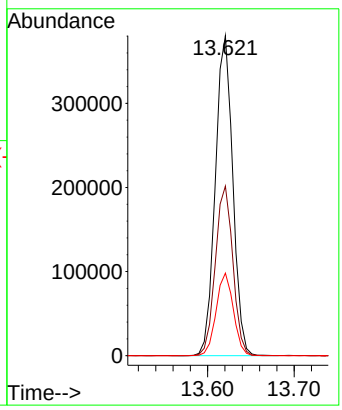


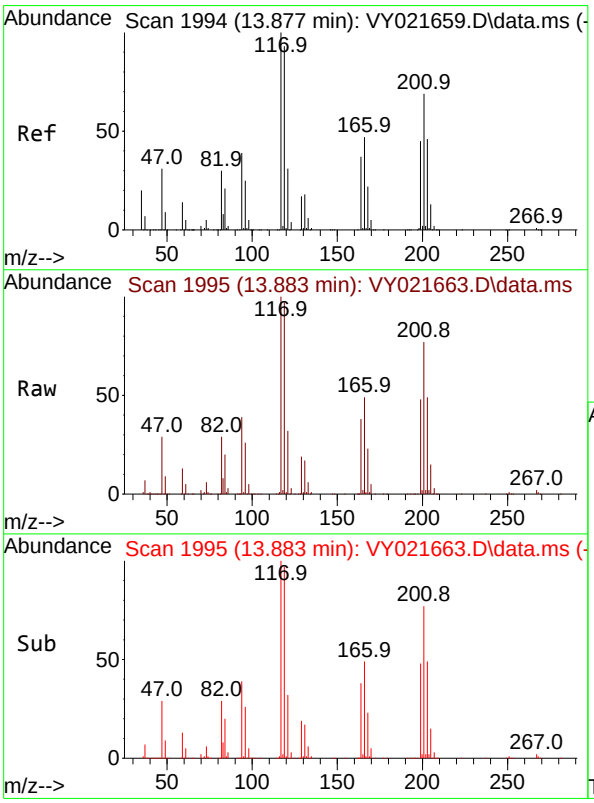
#89
n-Butylbenzene
Concen: 52.927 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion: 91 Resp: 533666

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.4	12.8	38.4

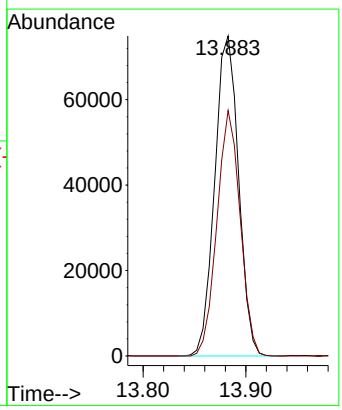


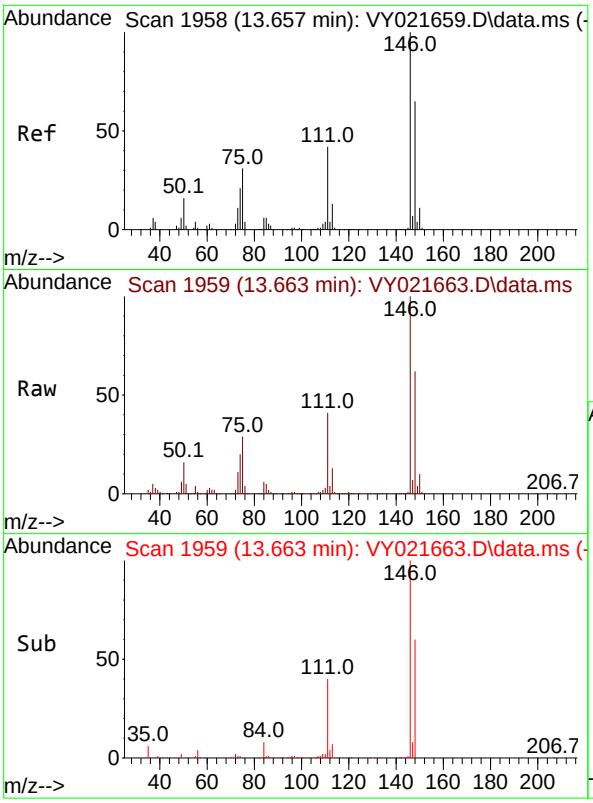


#90
Hexachloroethane
Concen: 50.454 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 120546

Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.4	112.1



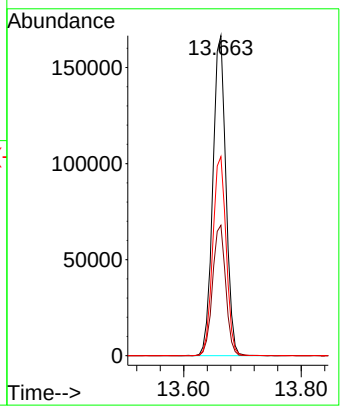


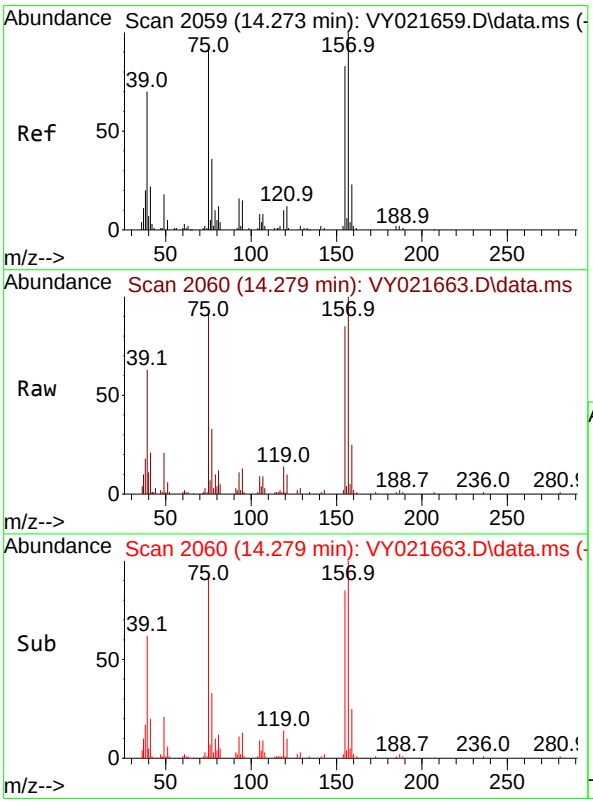
#91
1,2-Dichlorobenzene
Concen: 50.346 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:146 Resp: 257071

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.6	32.3	96.9

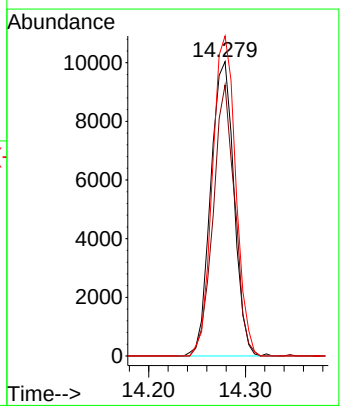


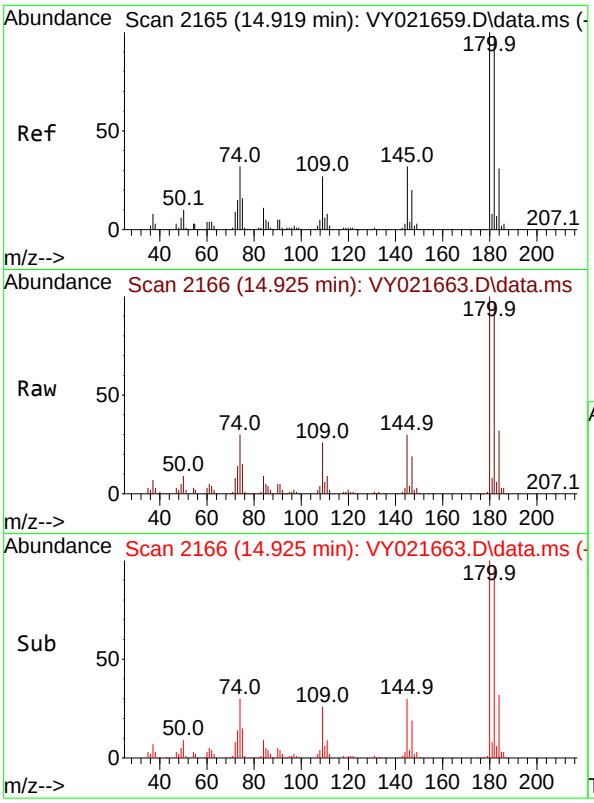


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.476 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 16750

Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.0	128.8
157	109.0	54.0	162.0



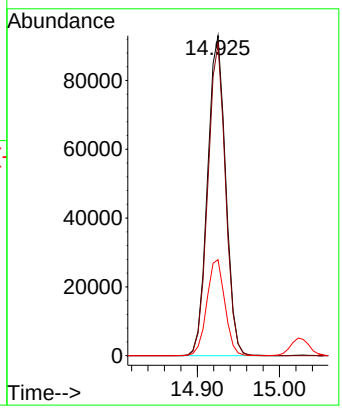


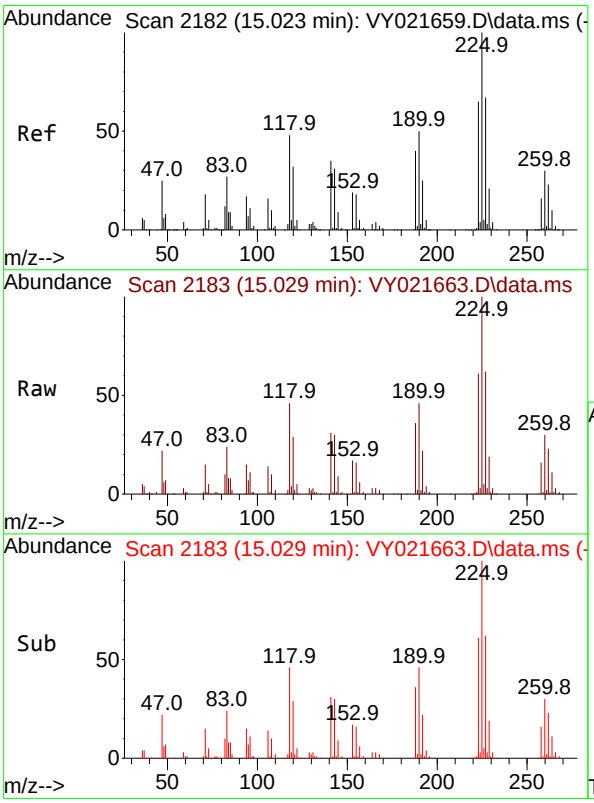
#93
1,2,4-Trichlorobenzene
Concen: 51.429 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:180 Resp: 142409

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	30.0	14.9	44.9

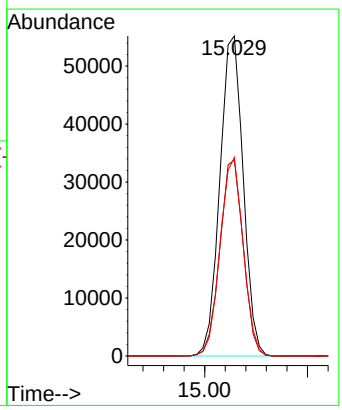


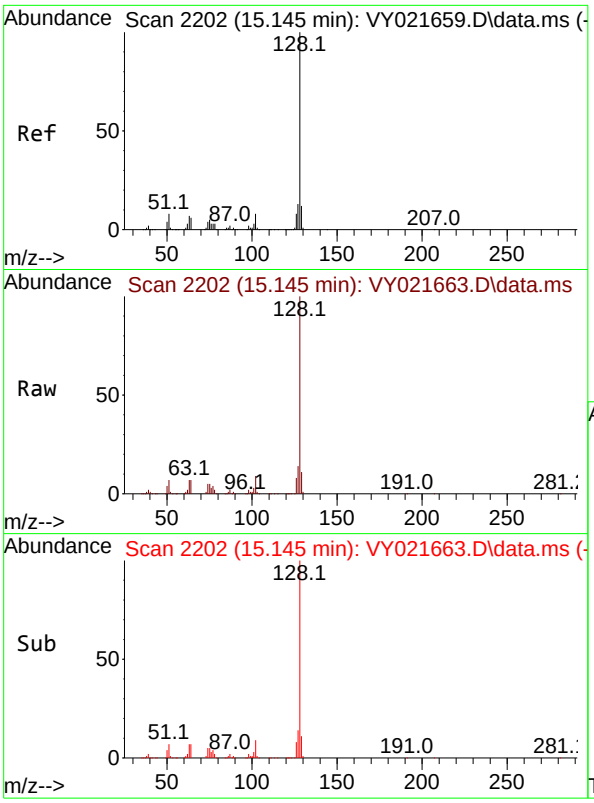


#94
Hexachlorobutadiene
Concen: 50.245 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:225 Resp: 86891

Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.7
227	61.4	32.4	97.0



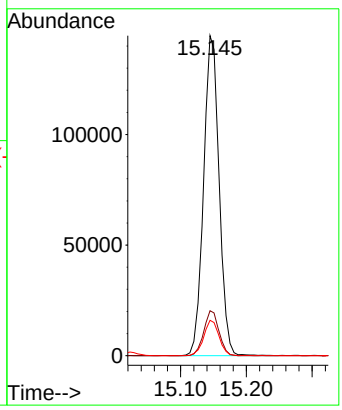


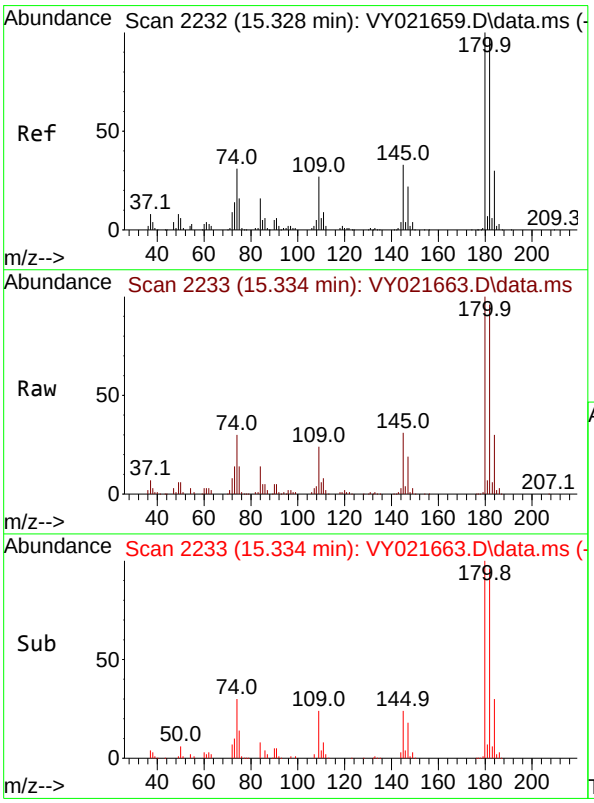
#95
Naphthalene
Concen: 51.759 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Tgt Ion:128 Resp: 237561

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	10.8	8.8	13.2

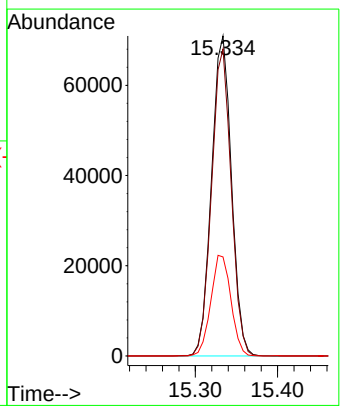




#96
1,2,3-Trichlorobenzene
Concen: 50.640 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:180 Resp: 119575

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.5
145	31.7	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	228718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	308777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121896	49.189	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.380%			
35) Dibromofluoromethane	7.634	113	115525	51.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.900%			
50) Toluene-d8	10.109	98	446617	52.794	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.580%			
62) 4-Bromofluorobenzene	12.408	95	151449	52.928	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	105148	44.355	ug/l	99
3) Chloromethane	2.068	50	145939	43.781	ug/l	100
4) Vinyl Chloride	2.202	62	165639	43.939	ug/l	99
5) Bromomethane	2.598	94	110489	42.973	ug/l	94
6) Chloroethane	2.733	64	108599	44.025	ug/l	98
7) Trichlorofluoromethane	3.056	101	219380	45.429	ug/l	99
8) Diethyl Ether	3.452	74	57638	43.889	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	117758	46.234	ug/l	98
10) Methyl Iodide	4.001	142	132756	47.511	ug/l	100
11) Tert butyl alcohol	4.866	59	31915	198.281	ug/l	98
12) 1,1-Dichloroethene	3.787	96	109939	45.826	ug/l	97
13) Acrolein	3.653	56	31766	108.084	ug/l	98
14) Allyl chloride	4.385	41	174528	45.628	ug/l	100
15) Acrylonitrile	5.055	53	120986	220.642	ug/l	99
16) Acetone	3.873	43	104133	205.322	ug/l	98
17) Carbon Disulfide	4.104	76	354255	44.833	ug/l	99
18) Methyl Acetate	4.385	43	59191	47.090	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	275214	46.078	ug/l	99
20) Methylene Chloride	4.610	84	118494	47.558	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	122071	46.214	ug/l	97
22) Diisopropyl ether	6.012	45	384515	47.921	ug/l	95
23) Vinyl Acetate	5.958	43	1073117	228.612	ug/l	99
24) 1,1-Dichloroethane	5.915	63	222969	46.472	ug/l	99
25) 2-Butanone	6.890	43	155279	214.357	ug/l	98
26) 2,2-Dichloropropane	6.884	77	199917	46.842	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	139352	46.913	ug/l	99
28) Bromochloromethane	7.244	49	98842	48.848	ug/l	98
29) Tetrahydrofuran	7.262	42	103430	221.852	ug/l	98
30) Chloroform	7.421	83	231492	46.388	ug/l	94
31) Cyclohexane	7.701	56	196299	44.882	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	209951	46.549	ug/l	99
36) 1,1-Dichloropropene	7.835	75	169689	50.100	ug/l	99
37) Ethyl Acetate	6.982	43	71529	44.748	ug/l	98
38) Carbon Tetrachloride	7.817	117	192102	49.520	ug/l	98
39) Methylcyclohexane	9.110	83	204403	50.518	ug/l	97
40) Benzene	8.079	78	499841	49.278	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	36866	43.428	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	137468	48.074	ug/l		100
43) Isopropyl Acetate	8.195	43	140563	46.402	ug/l		99
44) Trichloroethene	8.866	130	128424	49.692	ug/l		99
45) 1,2-Dichloropropane	9.140	63	118428	49.325	ug/l		98
46) Dibromomethane	9.231	93	66580	48.116	ug/l		97
47) Bromodichloromethane	9.420	83	175976	49.080	ug/l		97
48) Methyl methacrylate	9.219	41	67680	48.681	ug/l		98
49) 1,4-Dioxane	9.231	88	13592	916.931	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	380500	241.372	ug/l		99
52) Toluene	10.170	92	321091	50.737	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	156628	49.181	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	184020	48.979	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	86585	48.624	ug/l		99
56) Ethyl methacrylate	10.439	69	116496	51.235	ug/l		97
57) 1,3-Dichloropropane	10.719	76	151785	49.355	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	293090	264.232	ug/l		100
59) 2-Hexanone	10.762	43	255713	243.569	ug/l		100
60) Dibromochloromethane	10.914	129	123226	50.684	ug/l		100
61) 1,2-Dibromoethane	11.018	107	82662	49.485	ug/l		99
64) Tetrachloroethene	10.646	164	139676	49.667	ug/l		99
65) Chlorobenzene	11.444	112	343523	48.533	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	124267	49.482	ug/l		99
67) Ethyl Benzene	11.518	91	615700	50.727	ug/l		99
68) m/p-Xylenes	11.627	106	470149	101.155	ug/l		100
69) o-Xylene	11.957	106	217467	50.688	ug/l		99
70) Styrene	11.969	104	371495	51.933	ug/l		99
71) Bromoform	12.133	173	70273	49.056	ug/l	#	99
73) Isopropylbenzene	12.255	105	584770	49.152	ug/l		100
74) N-amyl acetate	12.072	43	128883	46.159	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	94598	44.226	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	133217	83.901	ug/l	#	100
77) Bromobenzene	12.536	156	135583	47.465	ug/l		98
78) n-propylbenzene	12.597	91	712013	49.780	ug/l		100
79) 2-Chlorotoluene	12.682	91	403179	48.532	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	480341	49.401	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	30582	44.380	ug/l		95
82) 4-Chlorotoluene	12.780	91	420225	48.519	ug/l		100
83) tert-Butylbenzene	12.999	119	422284	48.759	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	480654	50.015	ug/l		100
85) sec-Butylbenzene	13.176	105	628096	49.626	ug/l		100
86) p-Isopropyltoluene	13.292	119	527940	50.469	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	269775	47.936	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	264990	47.658	ug/l		99
89) n-Butylbenzene	13.621	91	487055	50.346	ug/l		100
90) Hexachloroethane	13.883	117	110054	48.010	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	236937	48.364	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14822	44.709	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	131155	49.367	ug/l		99
94) Hexachlorobutadiene	15.023	225	80970	48.800	ug/l		99
95) Naphthalene	15.145	128	214835	48.786	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	112664	49.730	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

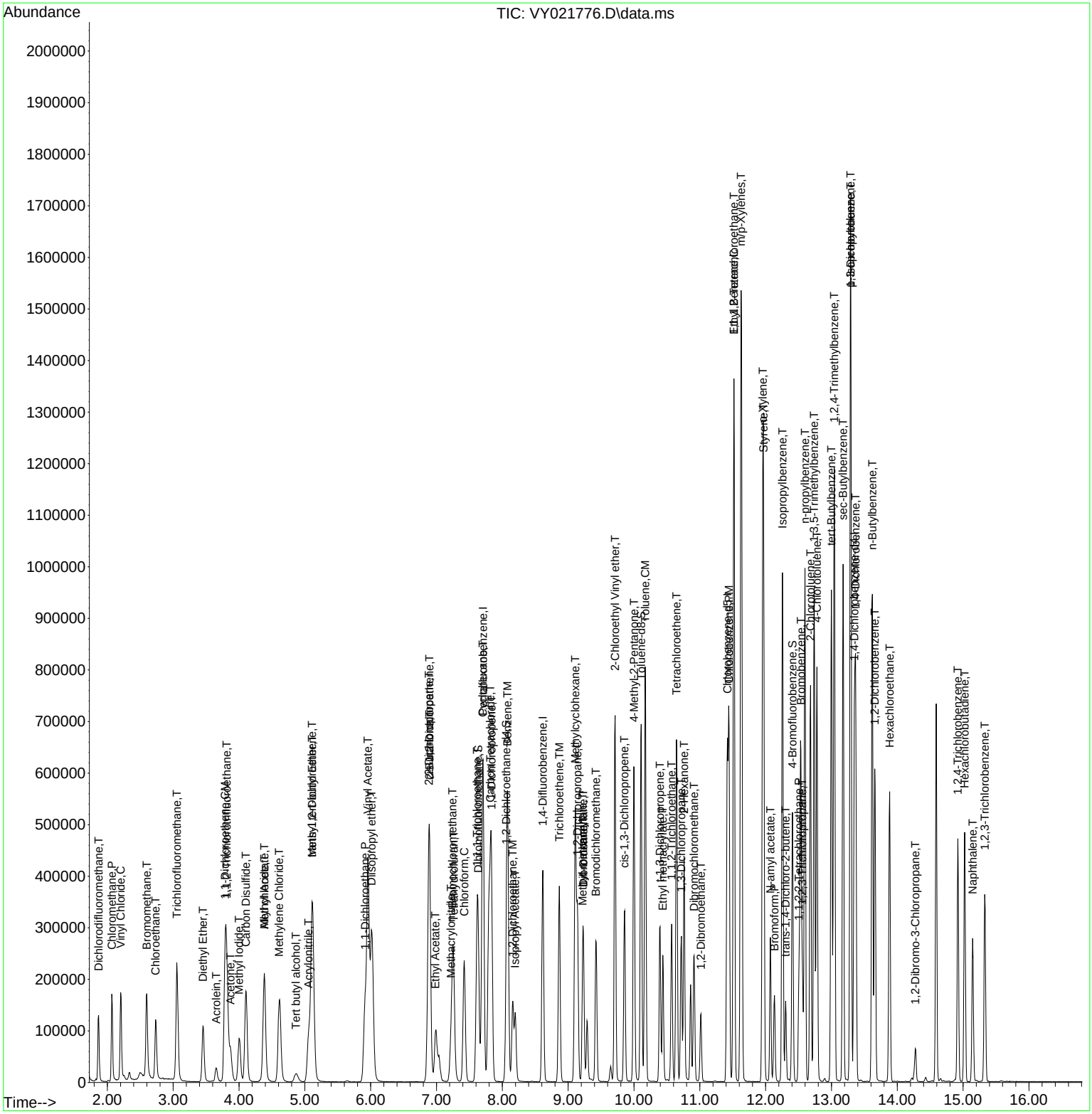
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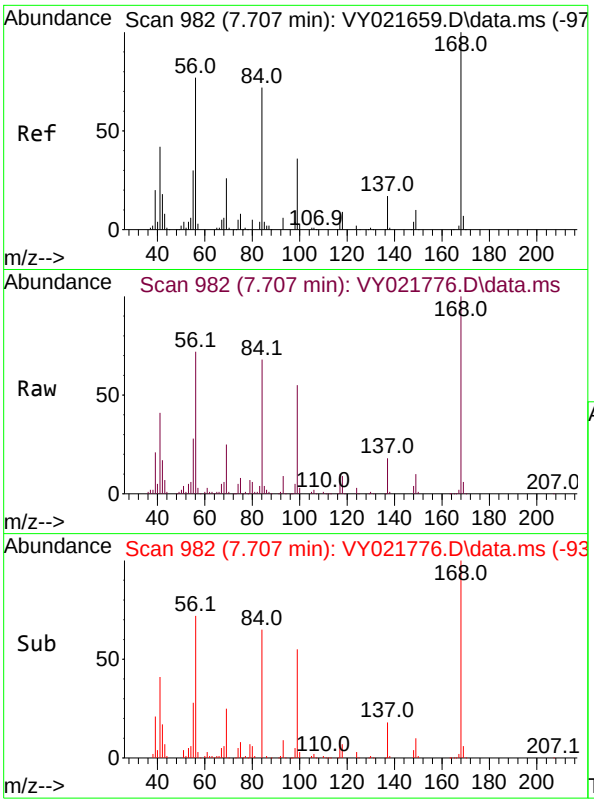
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021776.D
Acq On : 04 Apr 2025 09:22
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 04 23:38:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



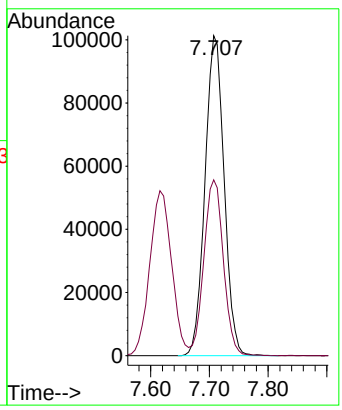


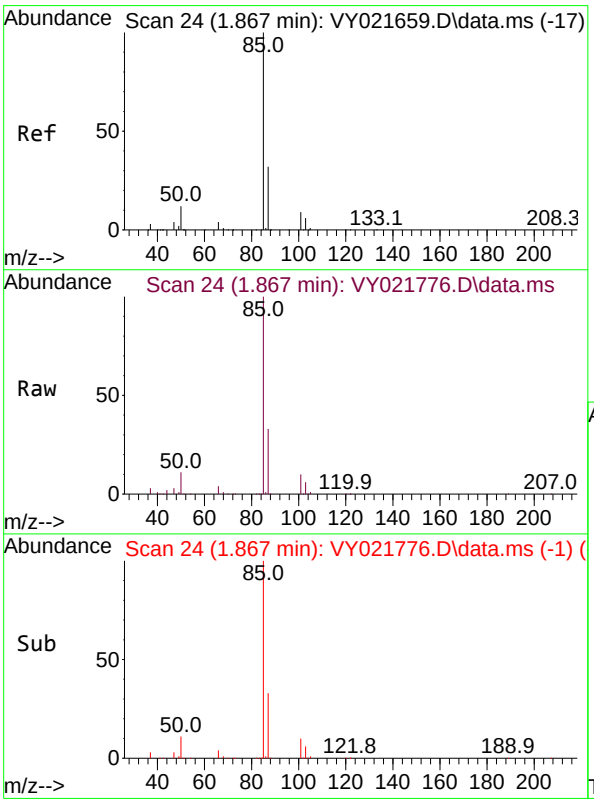
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 228718

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.7	70.1

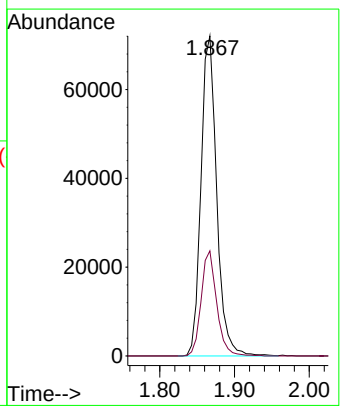


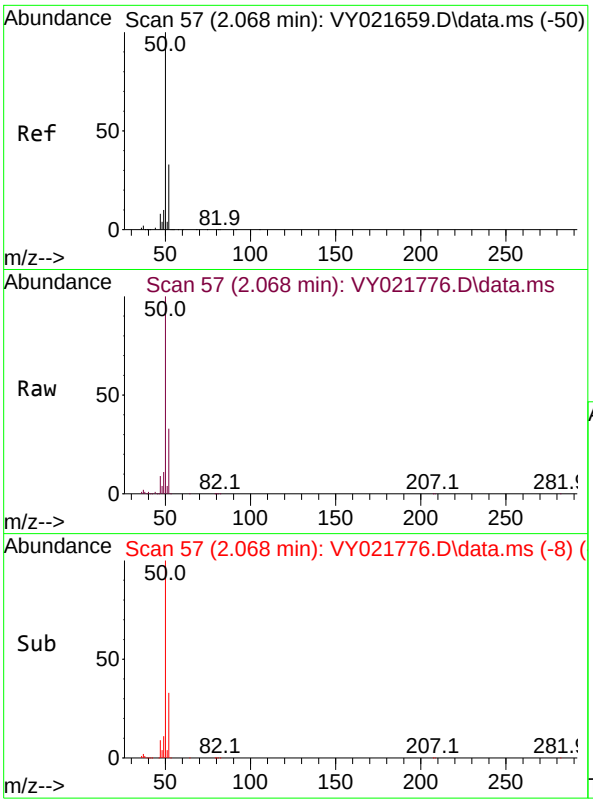


#2
Dichlorodifluoromethane
Concen: 44.355 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 85 Resp: 105148

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.2	48.6



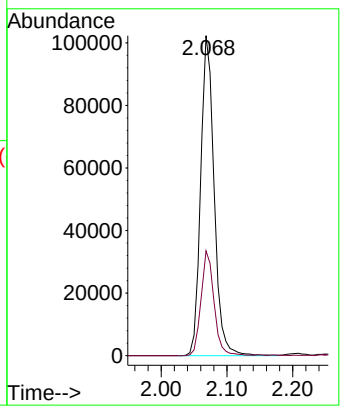


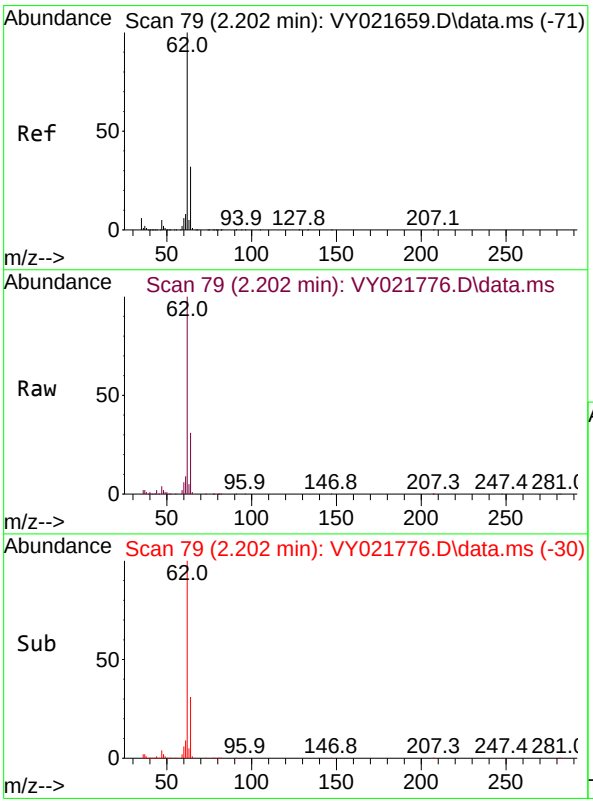
#3
Chloromethane
Concen: 43.781 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 145939

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5

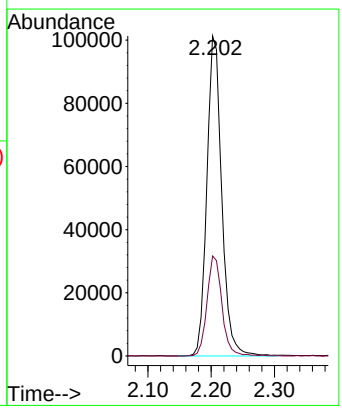


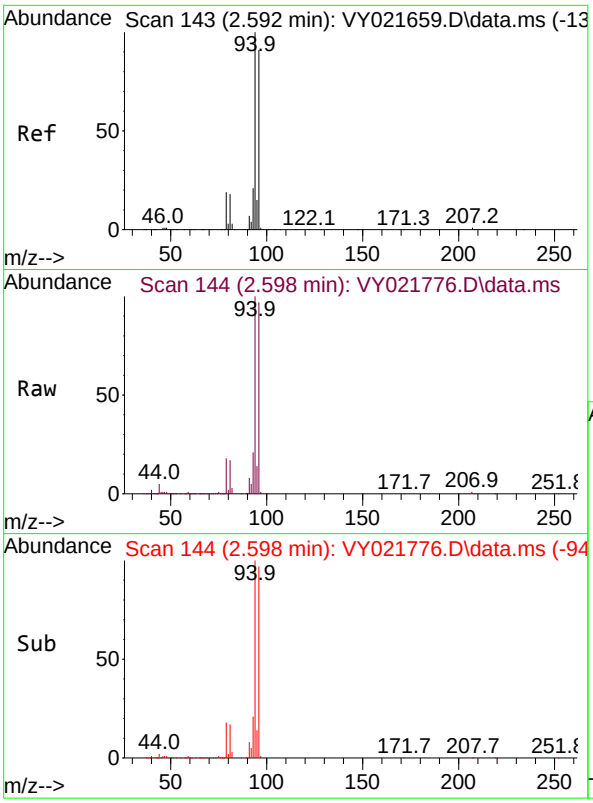


#4
Vinyl Chloride
Concen: 43.939 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 62 Resp: 165639

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3



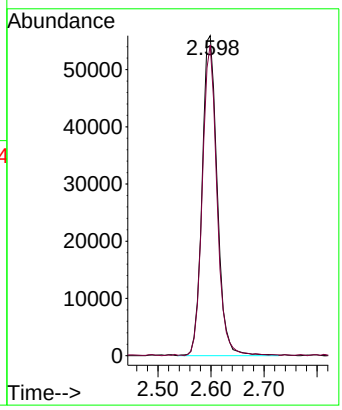


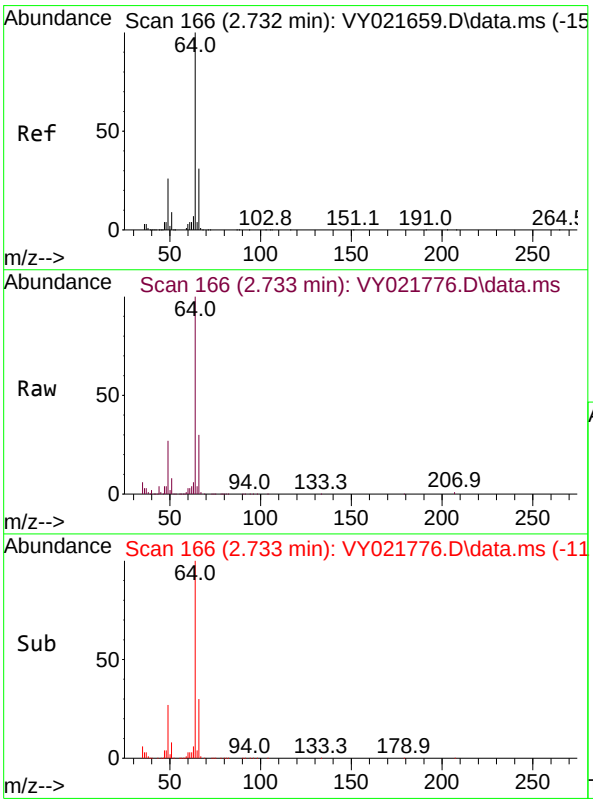
#5
Bromomethane
Concen: 42.973 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 110489

Ion	Ratio	Lower	Upper
94	100		
96	97.0	72.8	109.2

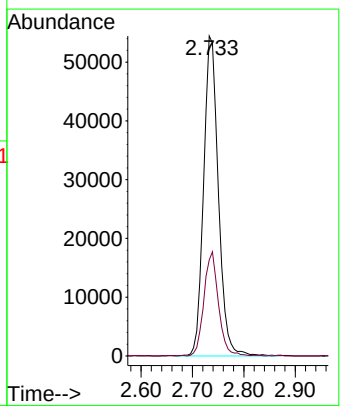


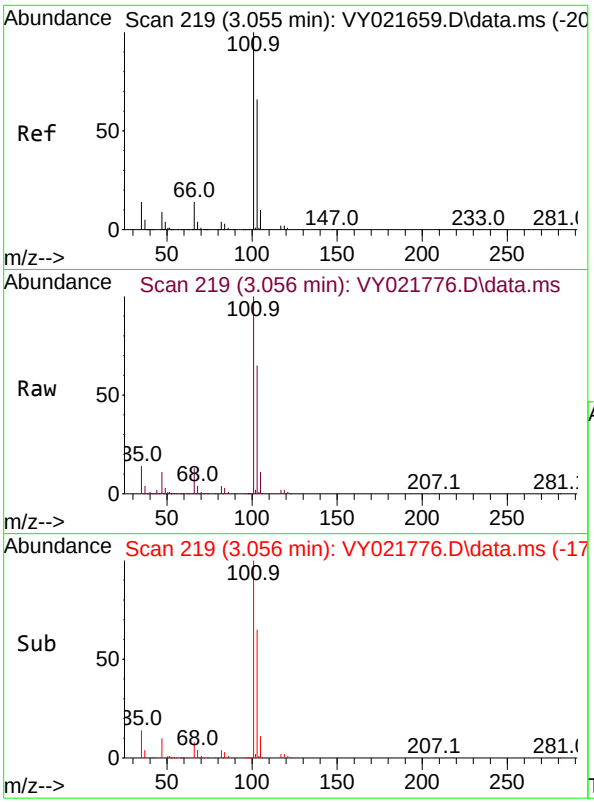


#6
Chloroethane
Concen: 44.025 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 64 Resp: 108599

Ion	Ratio	Lower	Upper
64	100		
66	29.9	24.9	37.3



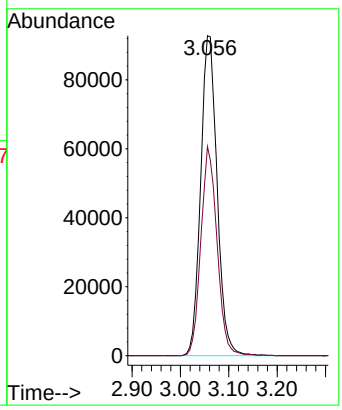


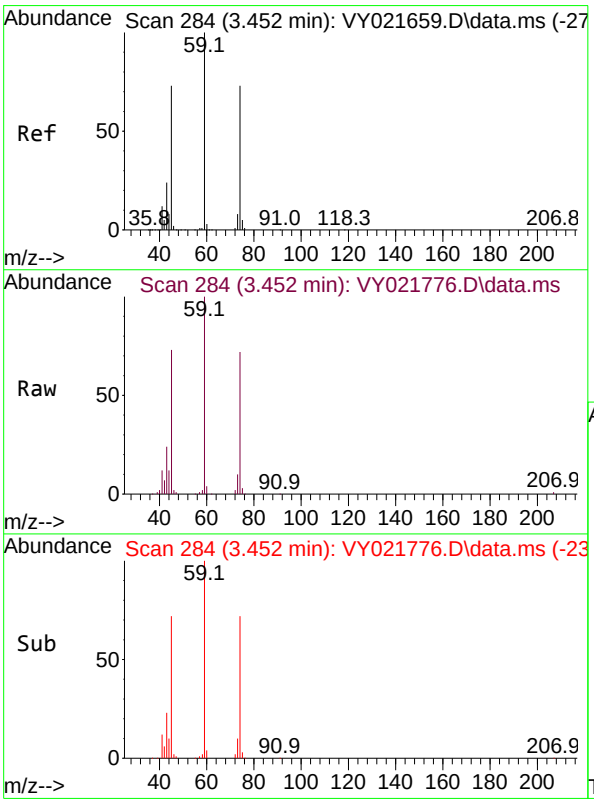
#7
Trichlorofluoromethane
Concen: 45.429 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 219380

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.1	79.7

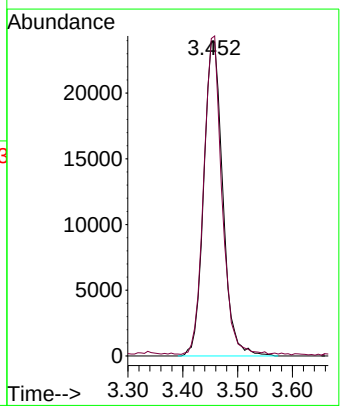


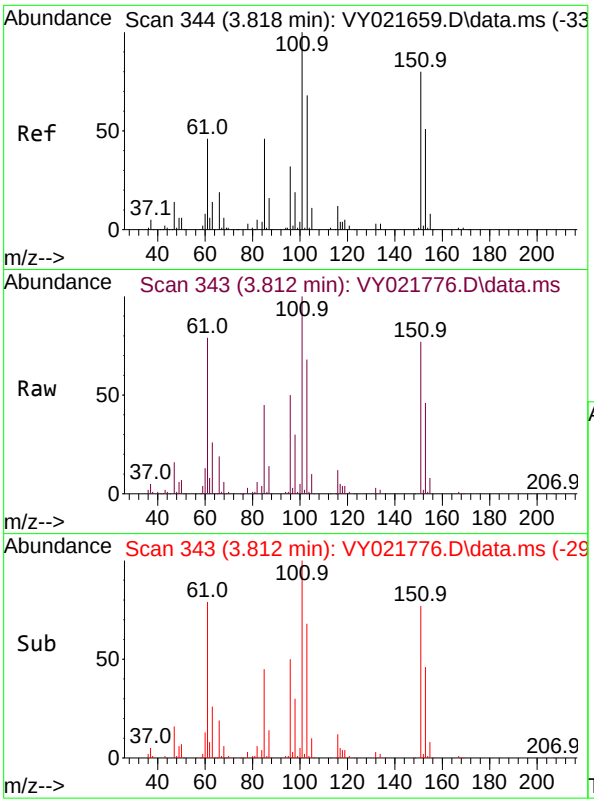


#8
Diethyl Ether
Concen: 43.889 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 74 Resp: 57638

Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.6	145.8



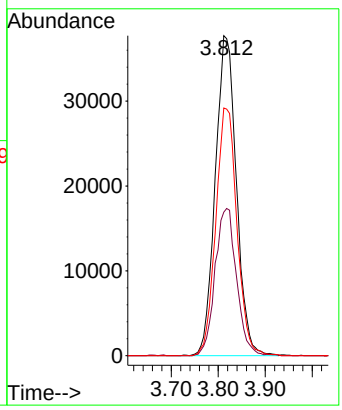


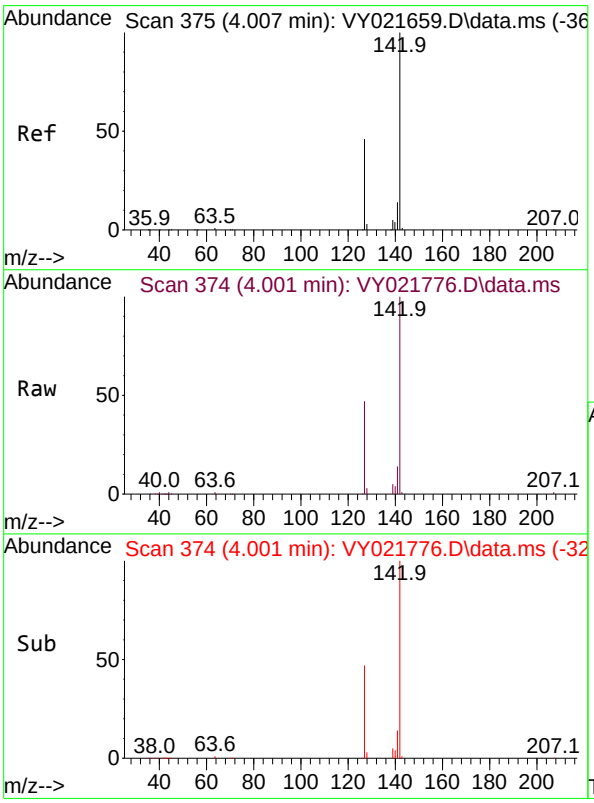
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.234 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 117758

Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.3	54.5
151	77.8	61.3	91.9

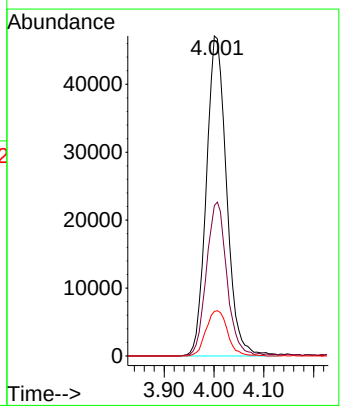


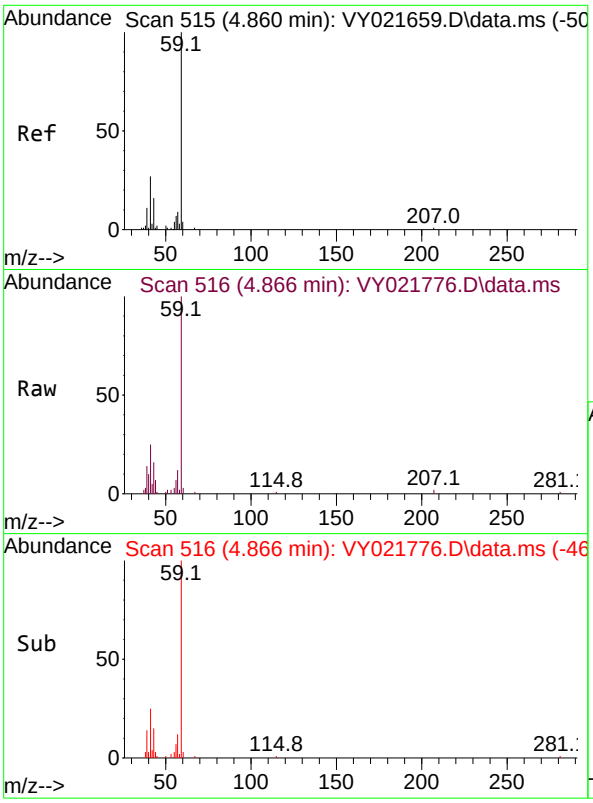


#10
Methyl Iodide
Concen: 47.511 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:142 Resp: 132756

Ion	Ratio	Lower	Upper
142	100		
127	48.5	38.7	58.1
141	15.0	11.5	17.3



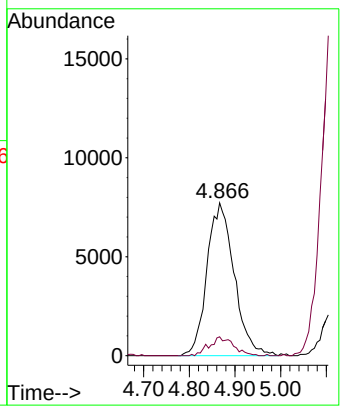


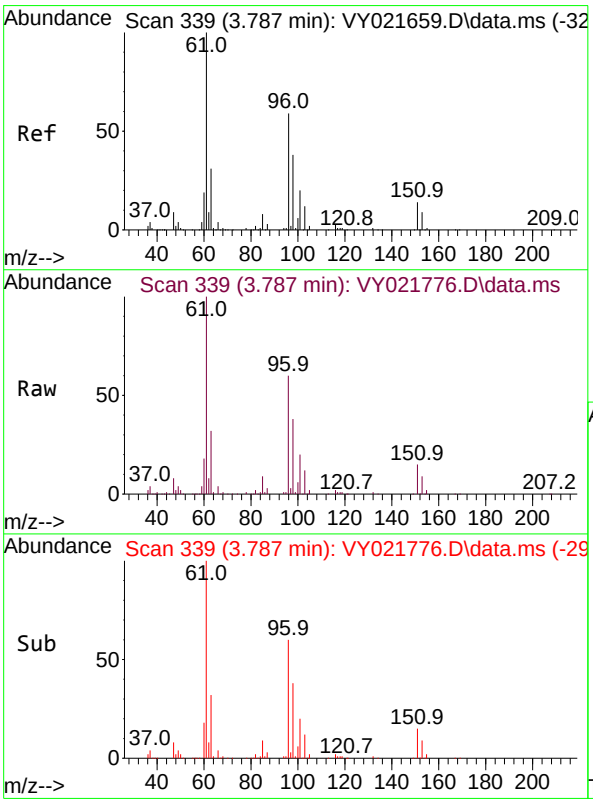
#11
Tert butyl alcohol
Concen: 198.281 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 31915

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.2	13.8

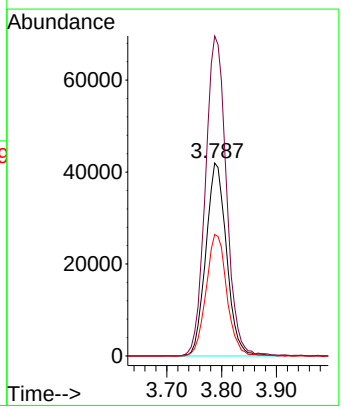


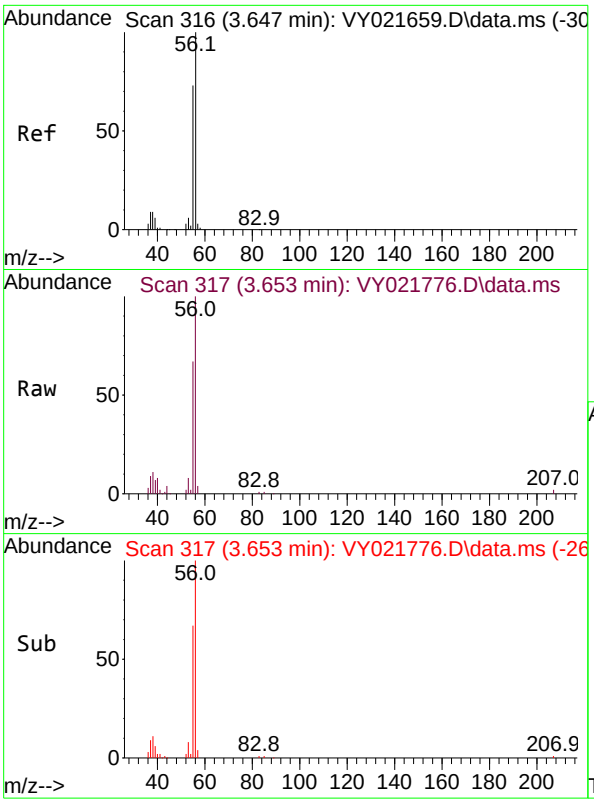


#12
1,1-Dichloroethene
Concen: 45.826 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 96 Resp: 109939

Ion	Ratio	Lower	Upper
96	100		
61	165.9	136.6	204.8
98	63.0	52.3	78.5



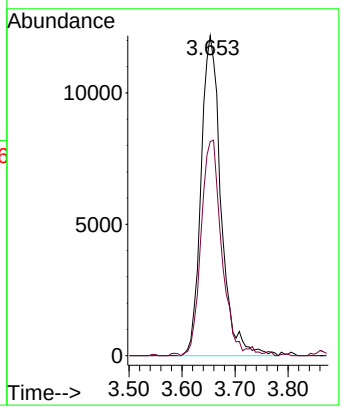


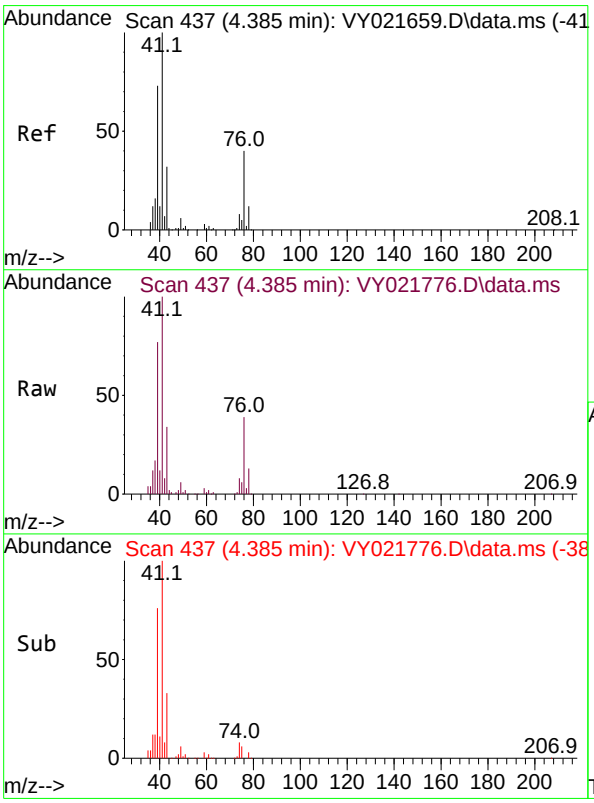
#13
Acrolein
Concen: 108.084 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 31766

Ion	Ratio	Lower	Upper
56	100		
55	69.4	56.6	85.0

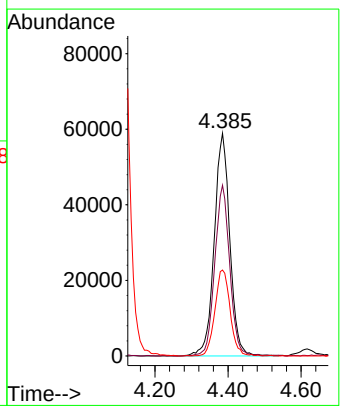


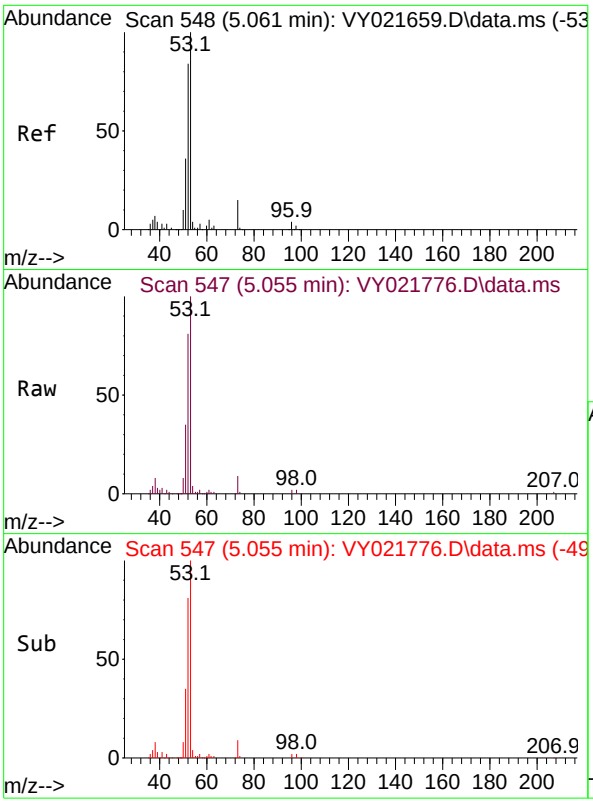


#14
Allyl chloride
Concen: 45.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 41 Resp: 174528

Ion	Ratio	Lower	Upper
41	100		
39	73.5	58.6	88.0
76	37.8	30.3	45.5



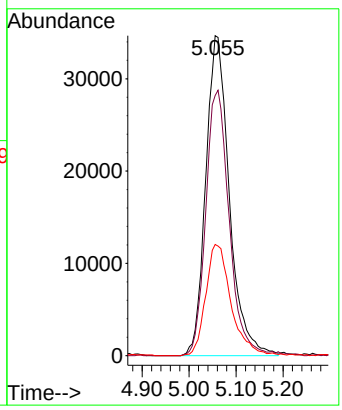


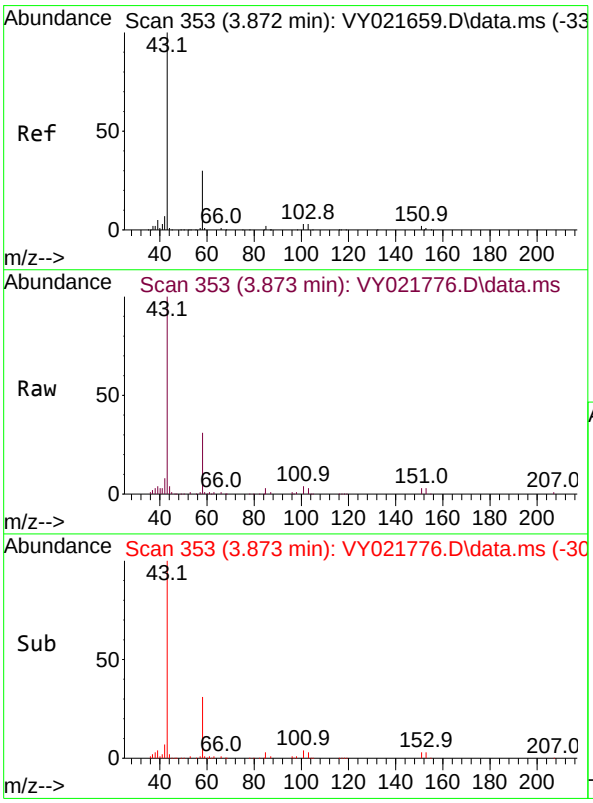
#15
Acrylonitrile
Concen: 220.642 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 120986

Ion	Ratio	Lower	Upper
53	100		
52	82.7	64.9	97.3
51	37.4	30.2	45.2

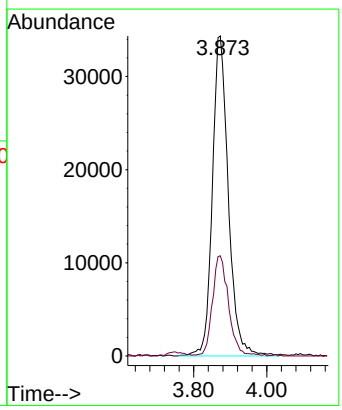


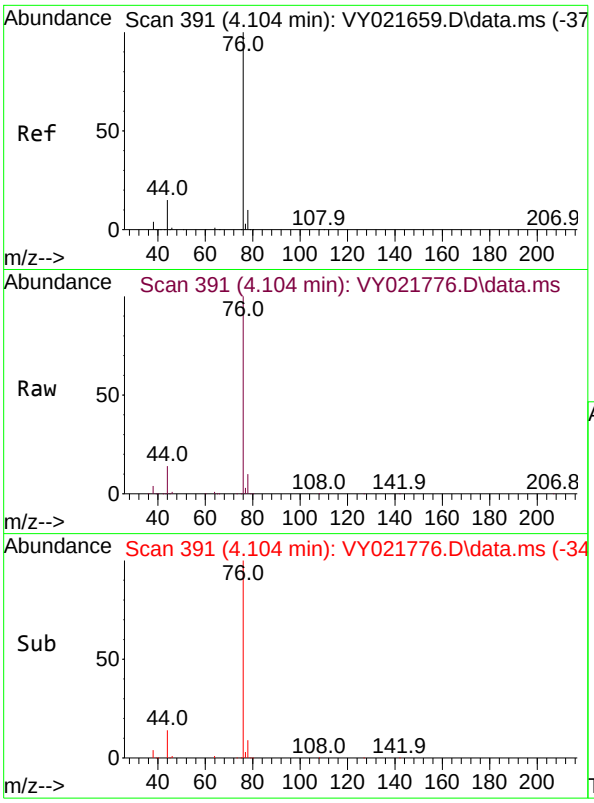


#16
Acetone
Concen: 205.322 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 104133

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.2	36.4



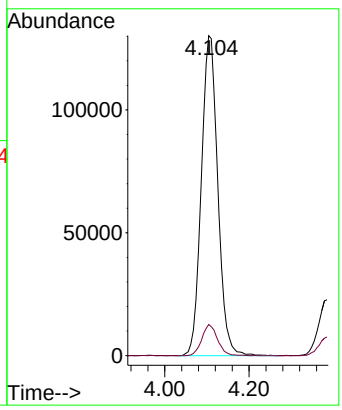


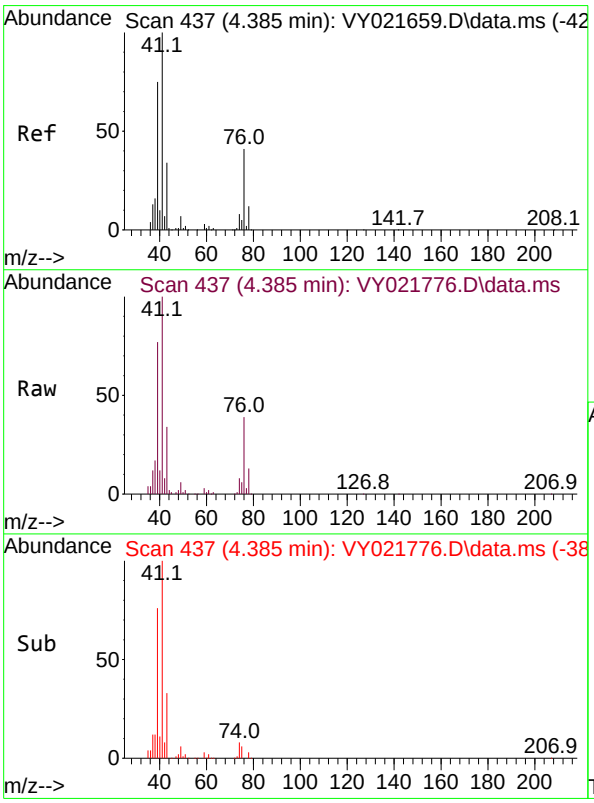
#17
Carbon Disulfide
Concen: 44.833 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 354255

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.6	11.4

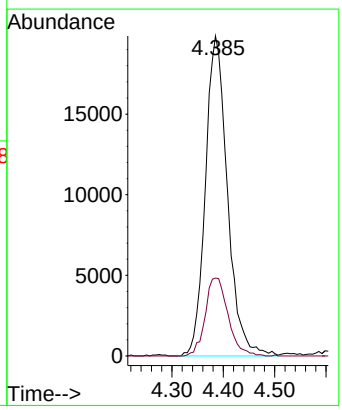


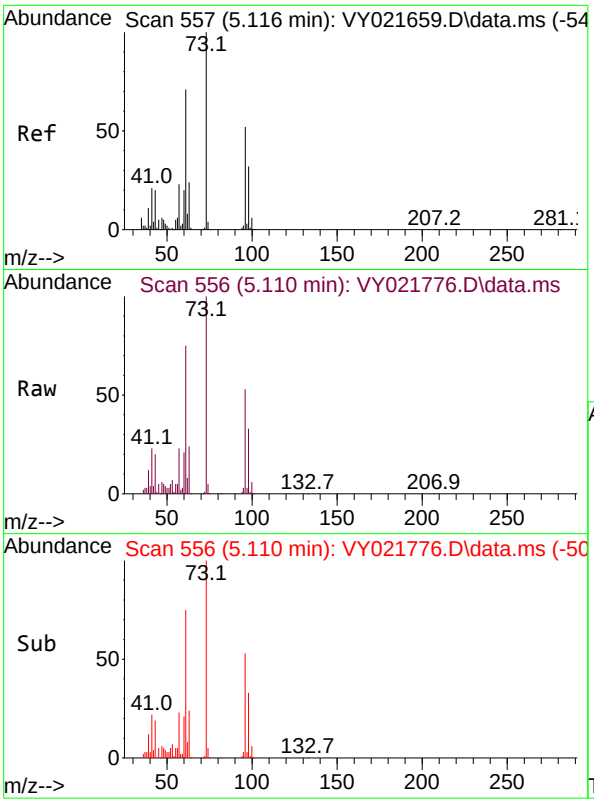


#18
Methyl Acetate
Concen: 47.090 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 59191

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.1	28.7



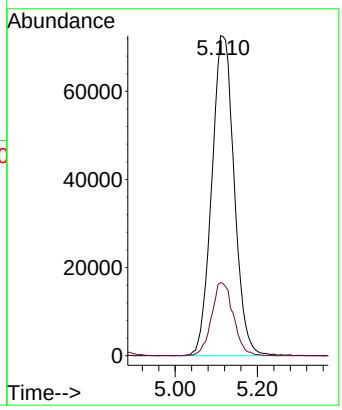


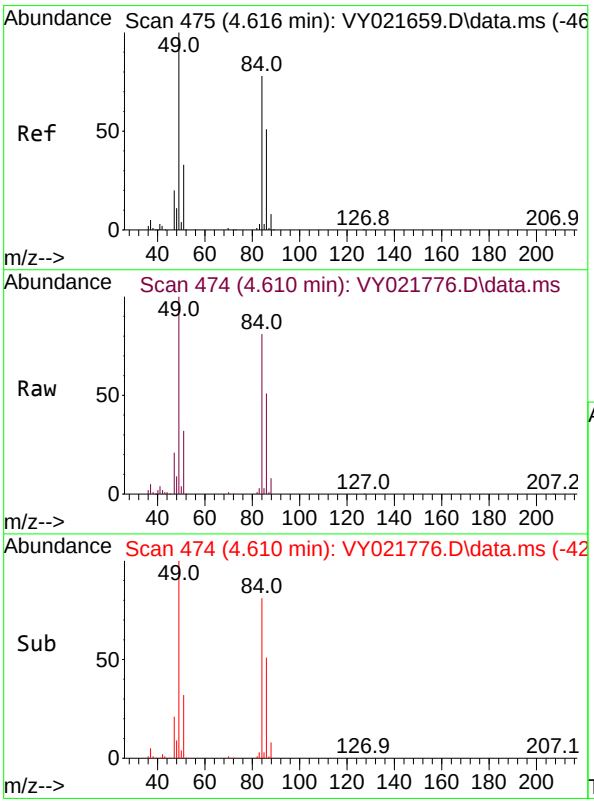
#19
Methyl tert-butyl Ether
Concen: 46.078 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 275214

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.1	27.1

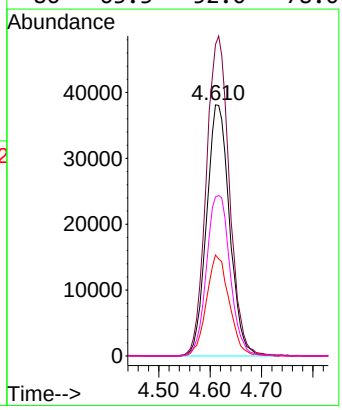


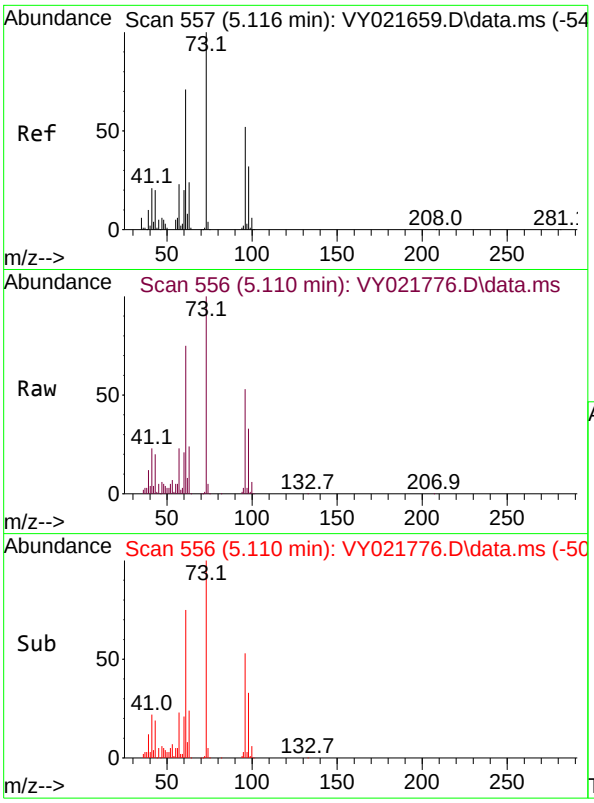


#20
Methylene Chloride
Concen: 47.558 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 84 Resp: 118494

Ion	Ratio	Lower	Upper
84	100		
49	124.0	102.8	154.2
51	40.2	33.5	50.3
86	63.3	52.0	78.0



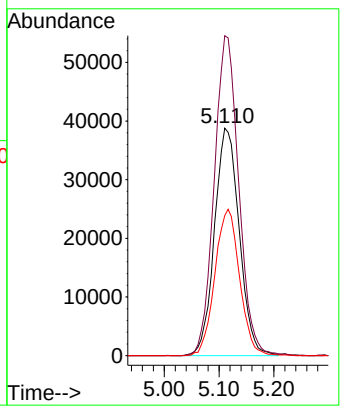


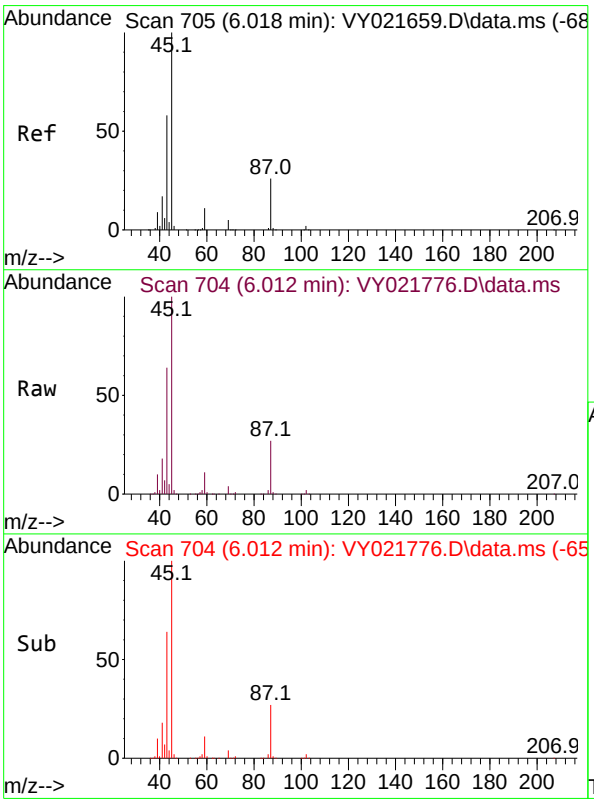
#21
trans-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 122071

Ion	Ratio	Lower	Upper
96	100		
61	140.7	109.4	164.0
98	61.6	50.2	75.2

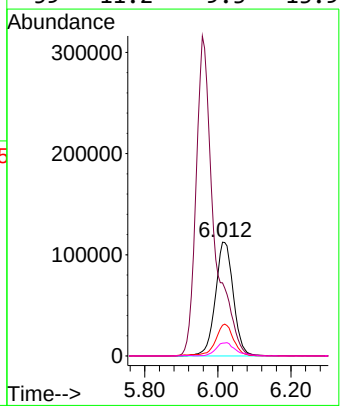


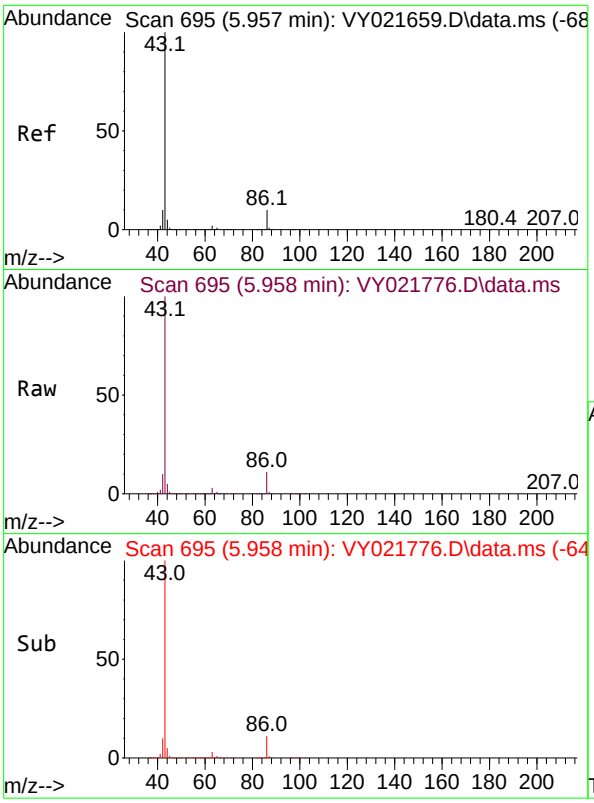


#22
Diisopropyl ether
Concen: 47.921 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 45 Resp: 384515

Ion	Ratio	Lower	Upper
45	100		
43	64.0	46.6	69.8
87	27.0	20.7	31.1
59	11.2	9.3	13.9



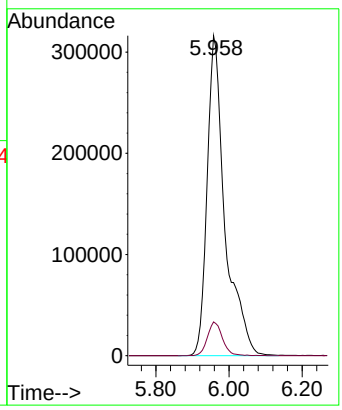


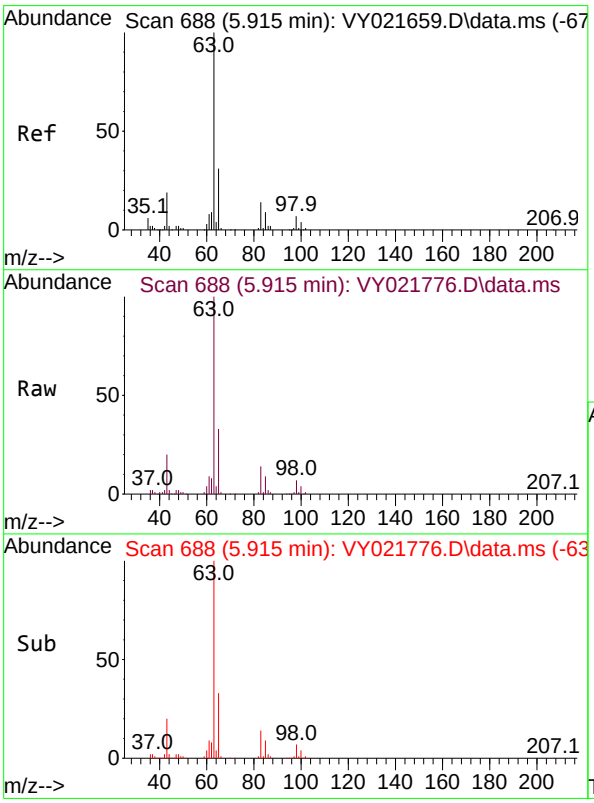
#23
Vinyl Acetate
Concen: 228.612 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1073117

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.2	12.2

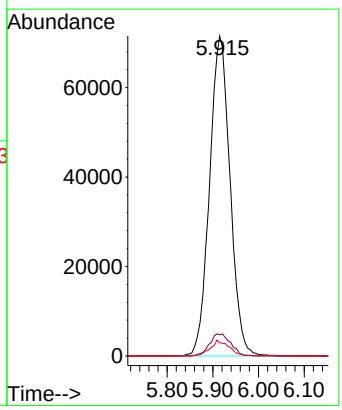


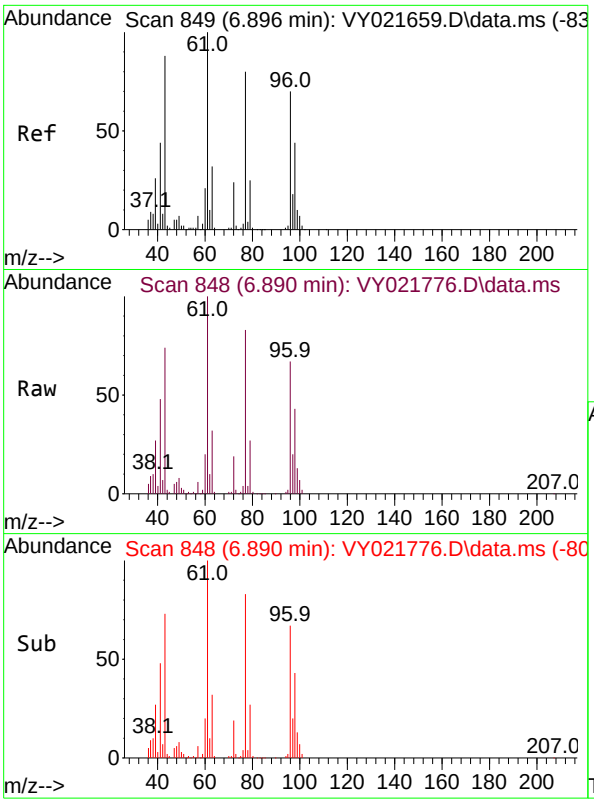


#24
1,1-Dichloroethane
Concen: 46.472 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 63 Resp: 222969

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.1	2.2	6.6



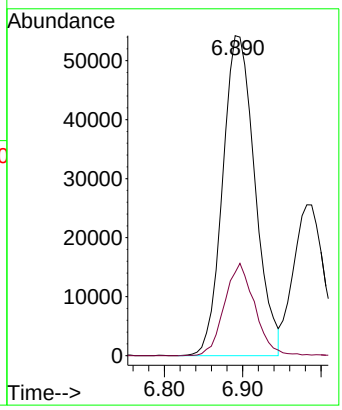


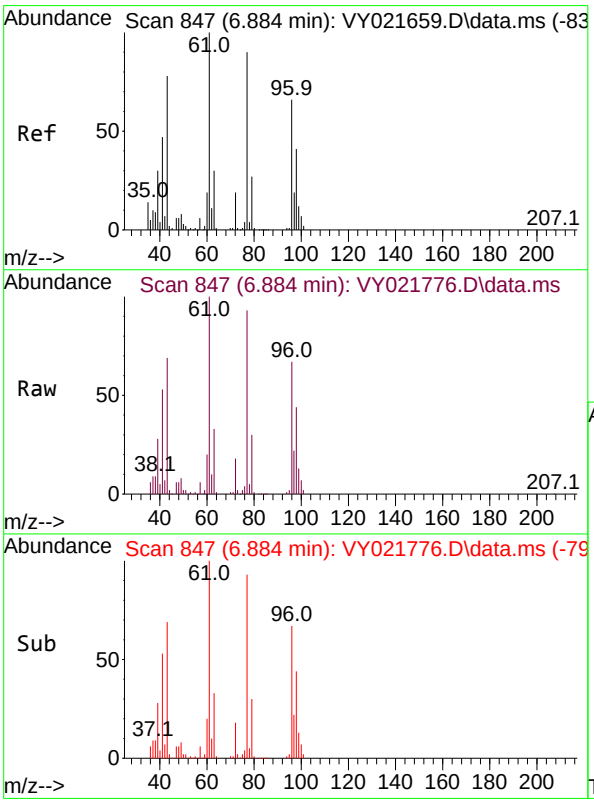
#25
2-Butanone
Concen: 214.357 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 155279

Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.4	32.2

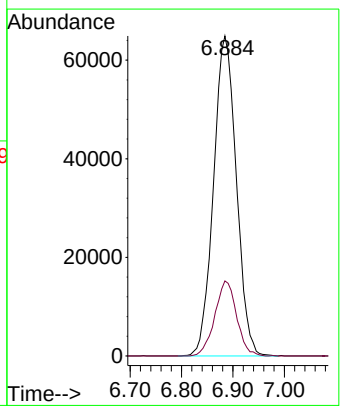


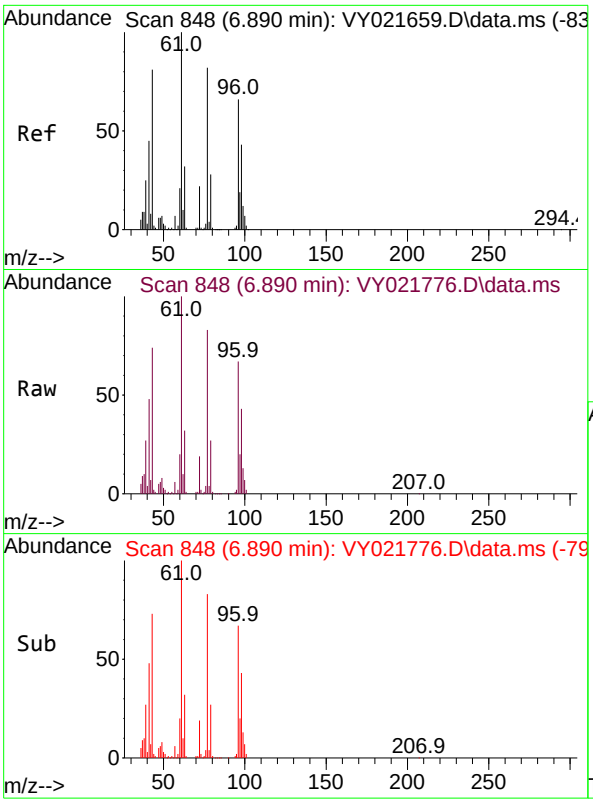


#26
2,2-Dichloropropane
Concen: 46.842 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 77 Resp: 199917

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.1



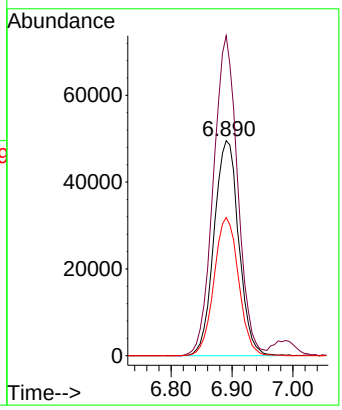


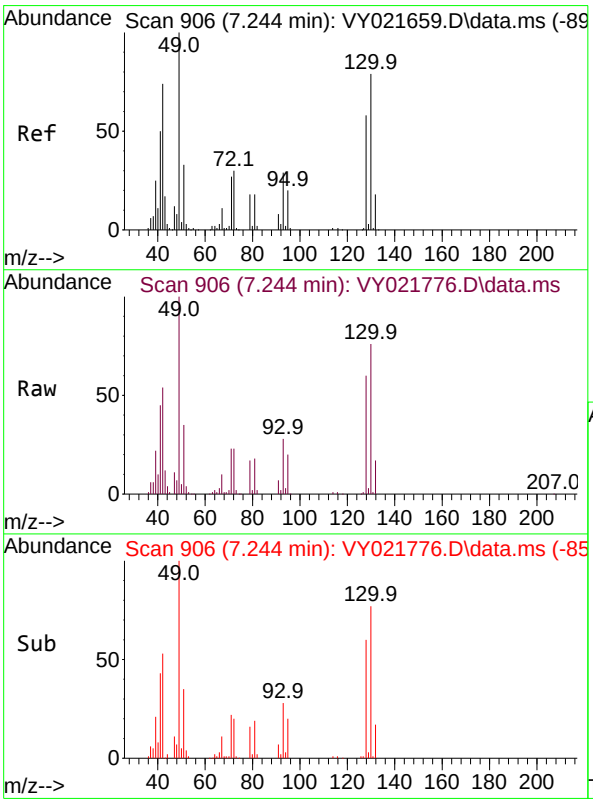
#27
cis-1,2-Dichloroethene
Concen: 46.913 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 139352

Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	296.4
98	64.1	0.0	128.0

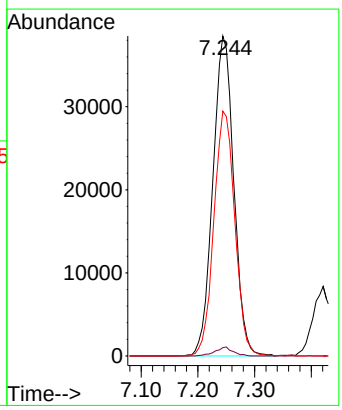


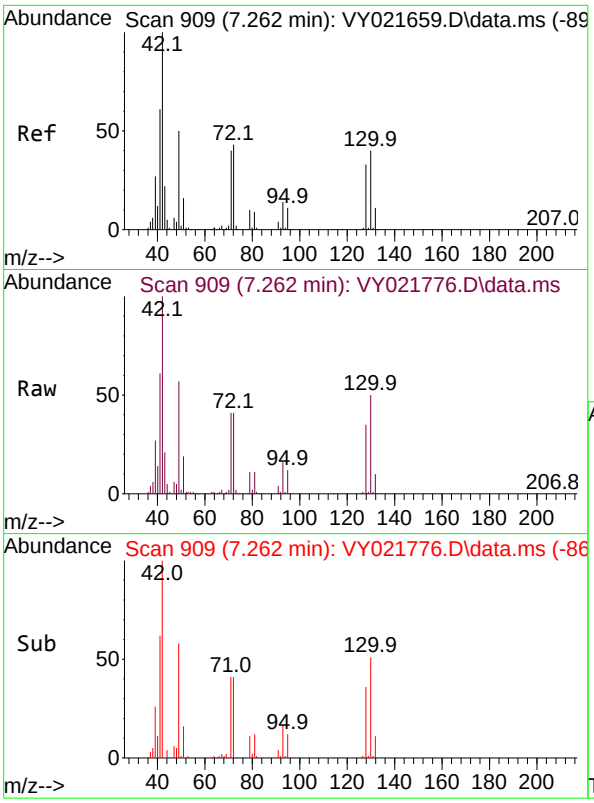


#28
Bromochloromethane
Concen: 48.848 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 49 Resp: 98842

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	76.6	60.1	90.1



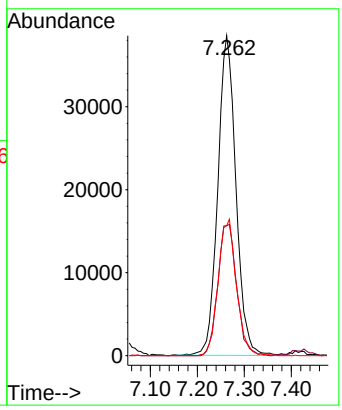


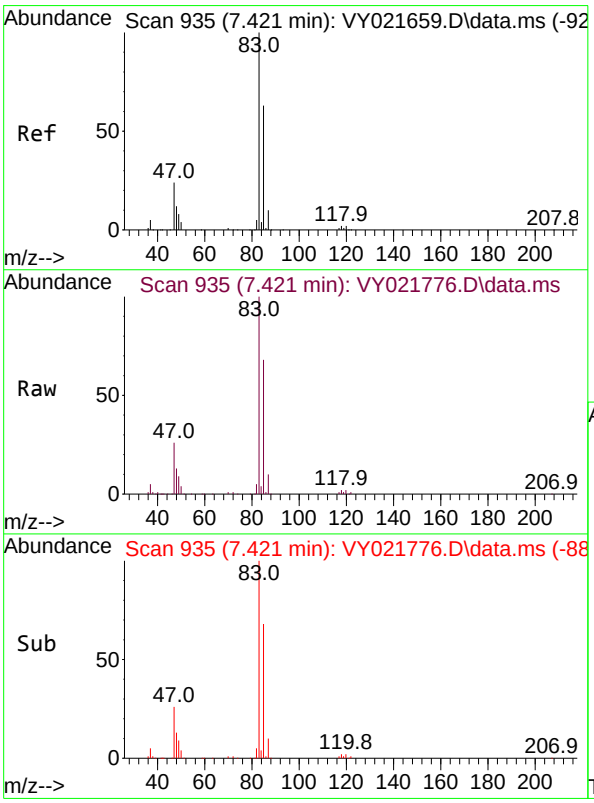
#29
Tetrahydrofuran
Concen: 221.852 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 103430

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	52.0
71	42.9	32.5	48.7

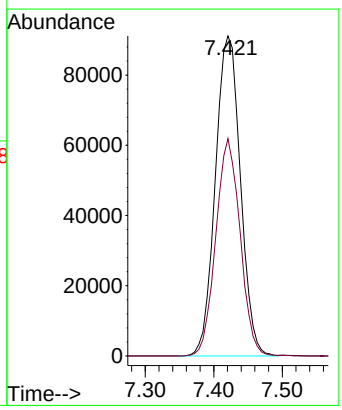


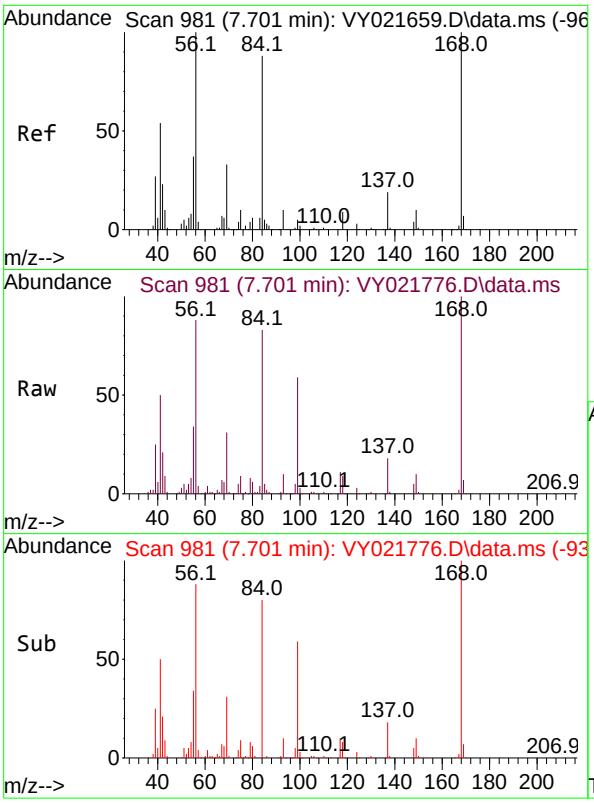


#30
Chloroform
Concen: 46.388 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 83 Resp: 231492

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.6	75.8



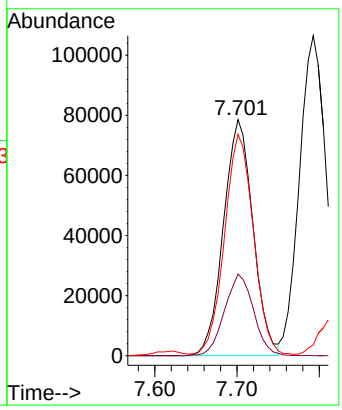


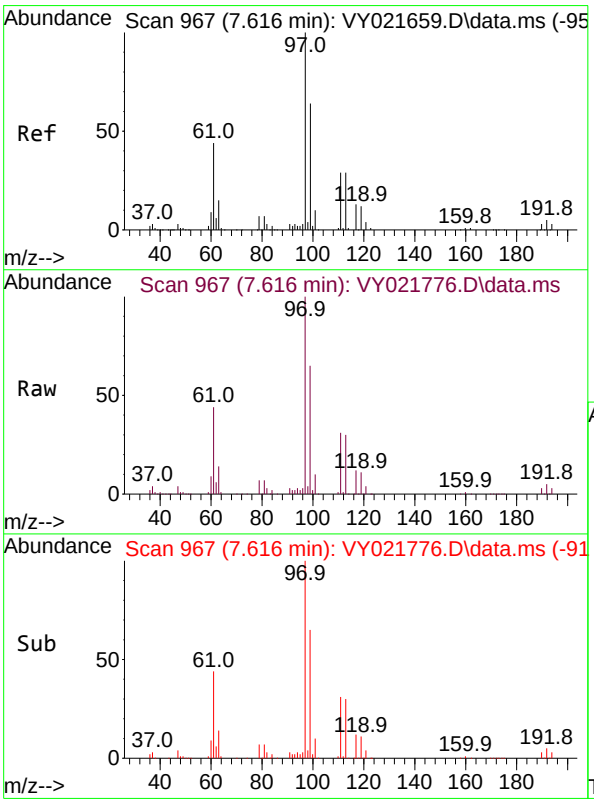
#31
Cyclohexane
Concen: 44.882 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 196299

Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.6	40.0
84	92.3	69.0	103.4

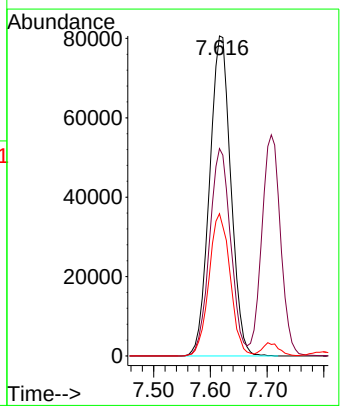


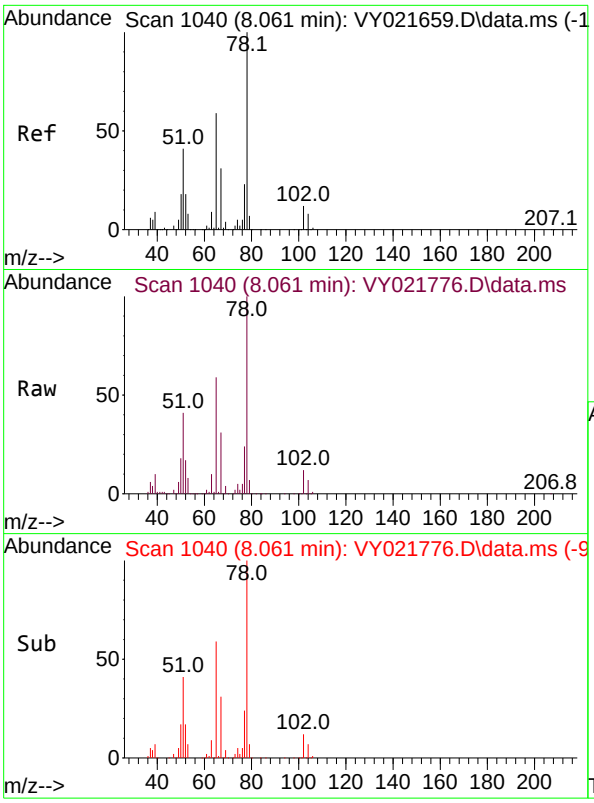


#32
1,1,1-Trichloroethane
Concen: 46.549 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 97 Resp: 209951

Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.7	76.1
61	44.3	35.2	52.8



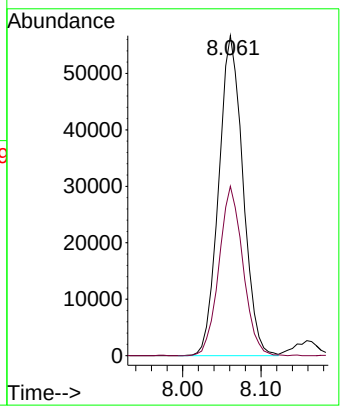


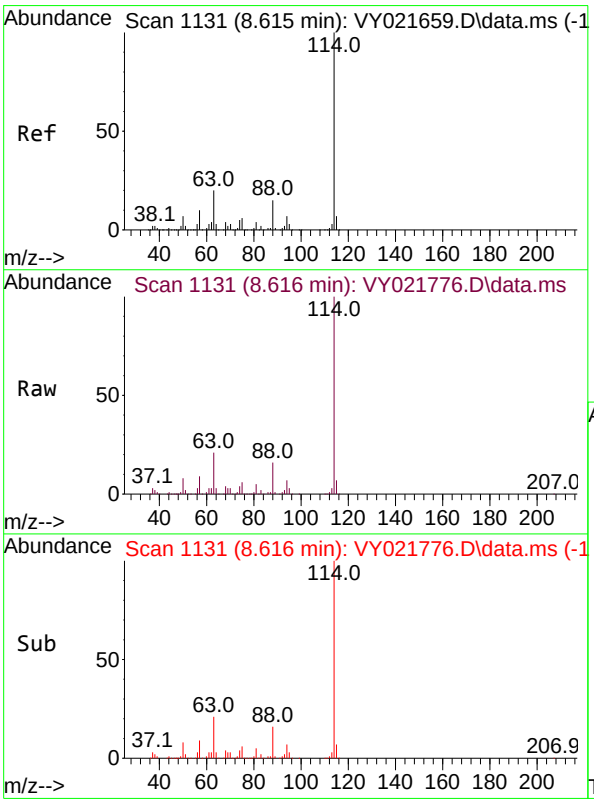
#33
1,2-Dichloroethane-d4
Concen: 49.189 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 121896

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

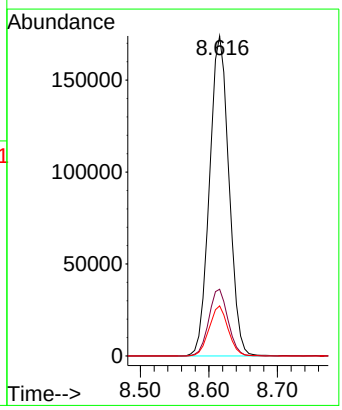


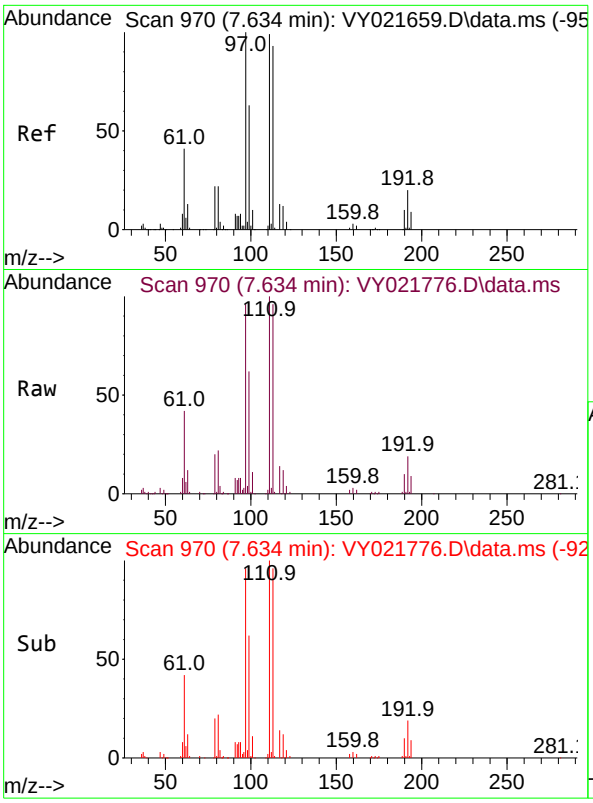


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:114 Resp: 342799

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.2
88	15.7	0.0	29.8



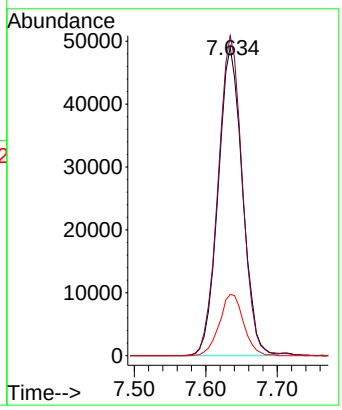


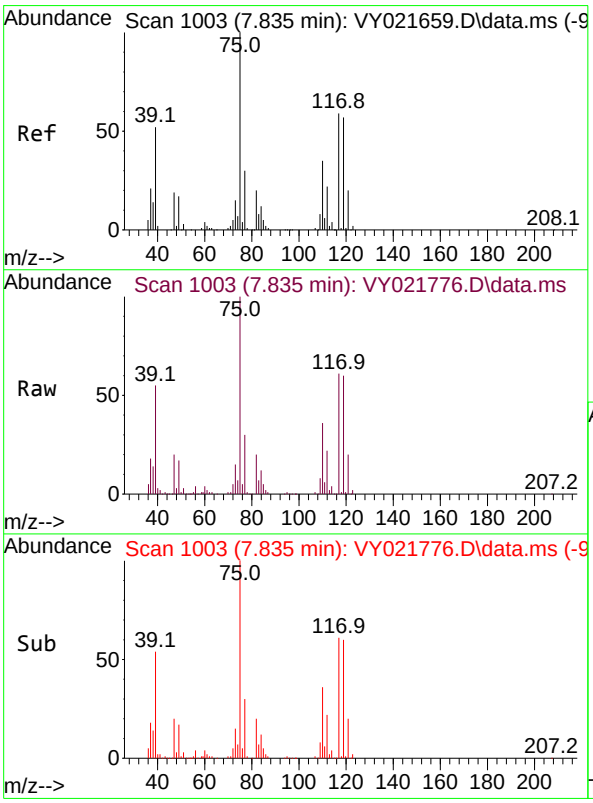
#35
Dibromofluoromethane
Concen: 51.952 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 115525

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	19.9	16.2	24.4

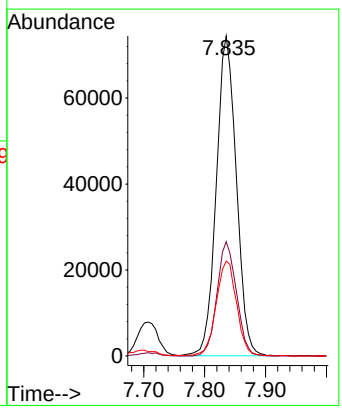


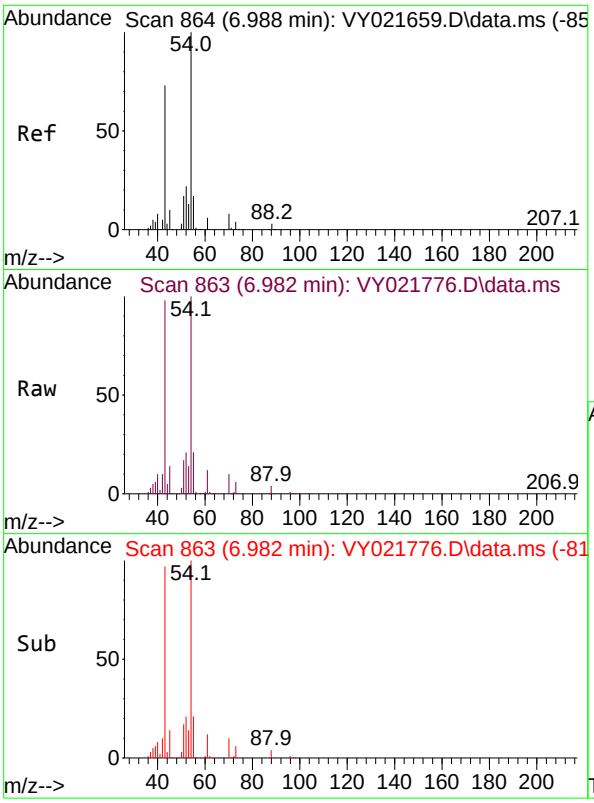


#36
1,1-Dichloropropene
Concen: 50.100 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 169689

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.0	50.9
77	30.4	24.8	37.2



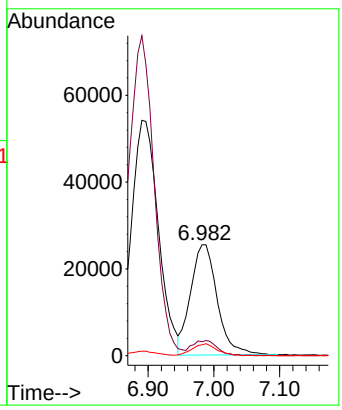


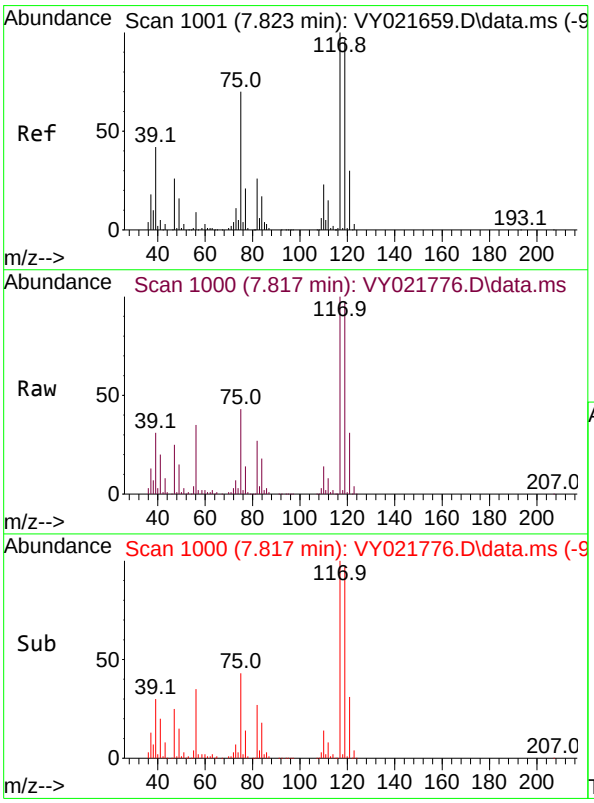
#37
Ethyl Acetate
Concen: 44.748 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 71529

Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.0	16.6
70	10.1	8.1	12.1

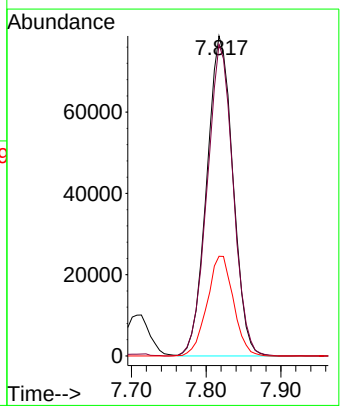


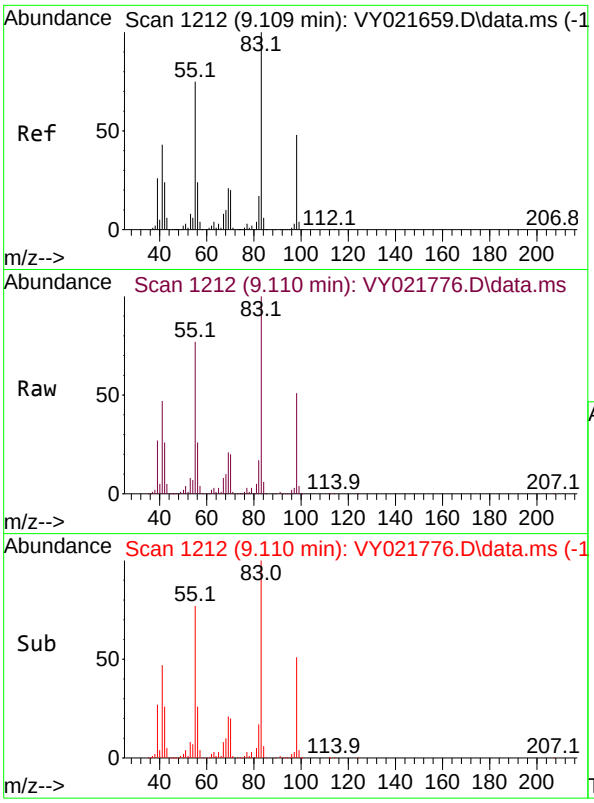


#38
Carbon Tetrachloride
Concen: 49.520 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:117 Resp: 192102

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.2	114.4
121	31.1	24.2	36.4



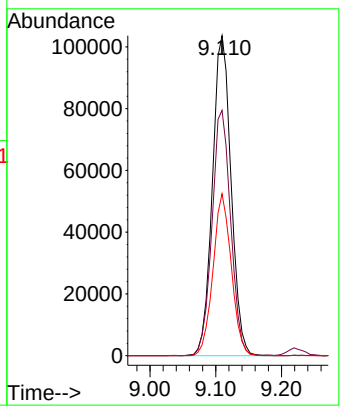


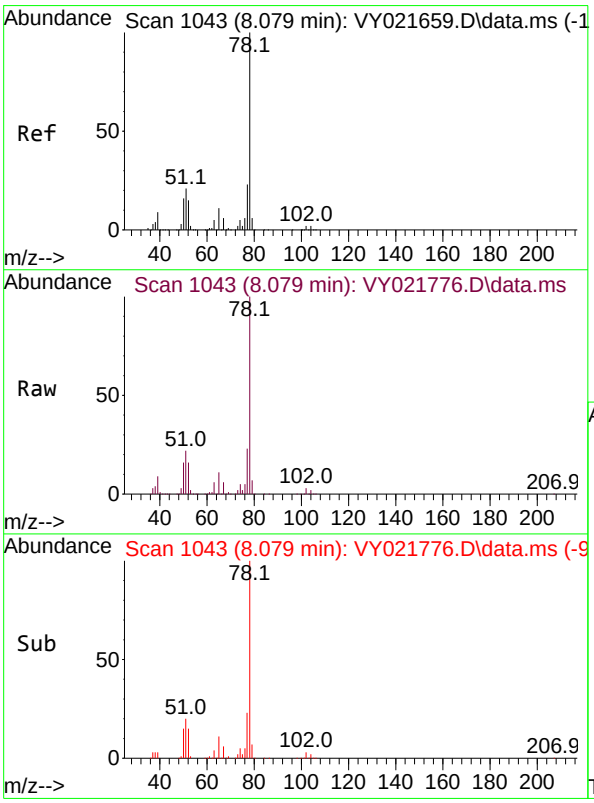
#39
Methylcyclohexane
Concen: 50.518 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 204403

Ion	Ratio	Lower	Upper
83	100		
55	76.6	59.7	89.5
98	50.6	38.3	57.5

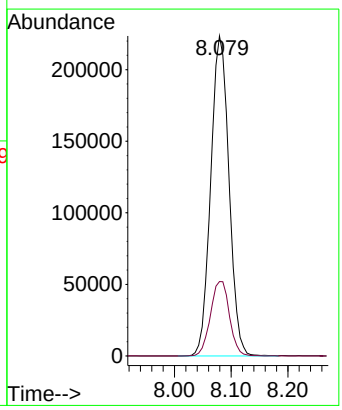


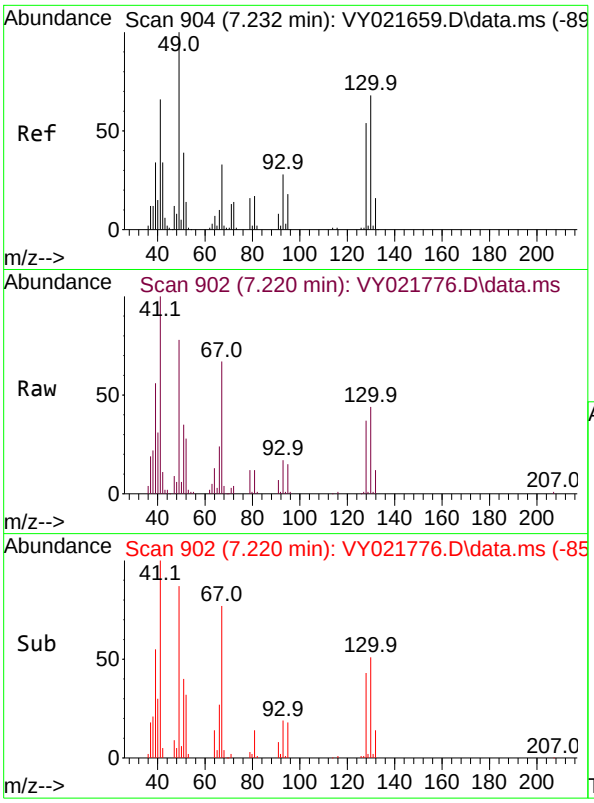


#40
Benzene
Concen: 49.278 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 78 Resp: 499841

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



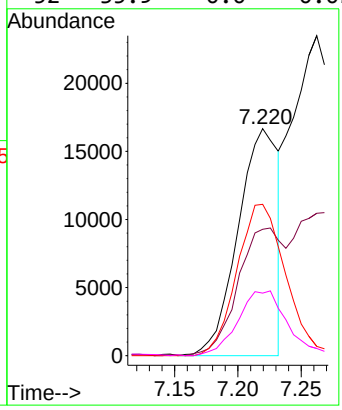


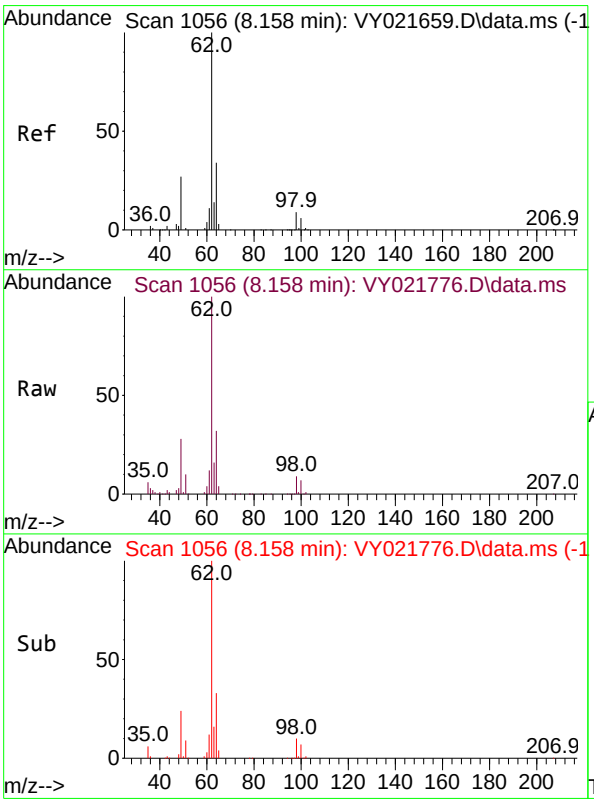
#41
Methacrylonitrile
Concen: 43.428 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 36866

Ion	Ratio	Lower	Upper
41	100		
39	64.9	0.0	0.0#
67	81.4	0.0	0.0#
52	35.9	0.0	0.0#

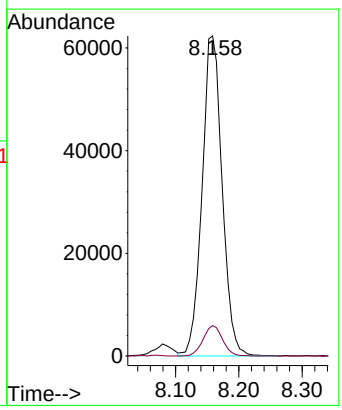


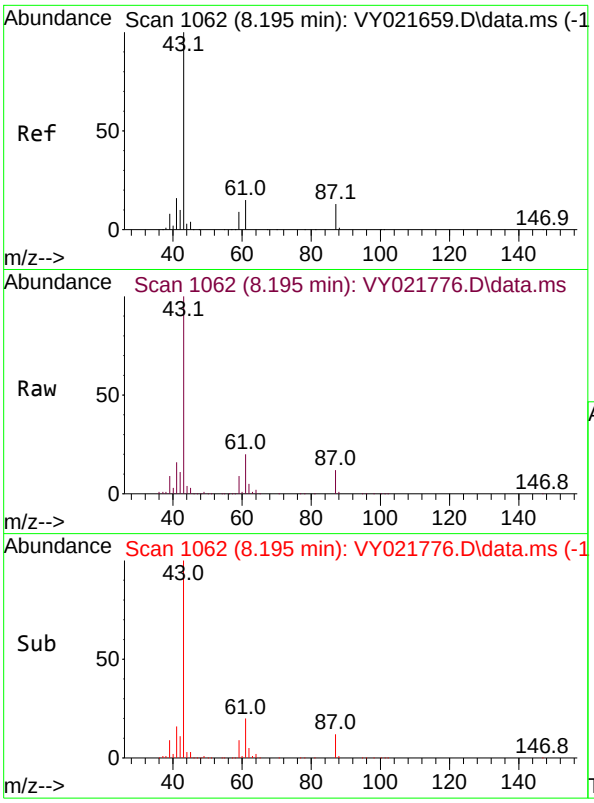


#42
1,2-Dichloroethane
Concen: 48.074 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 62 Resp: 137468

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



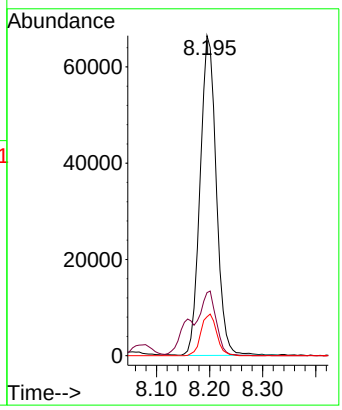


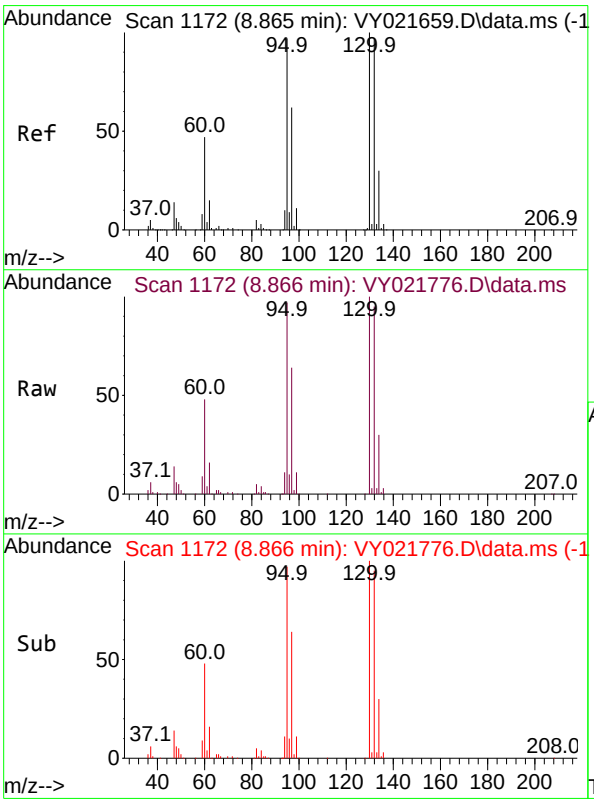
#43
Isopropyl Acetate
Concen: 46.402 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 140563

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.9	23.9
87	12.6	10.4	15.6

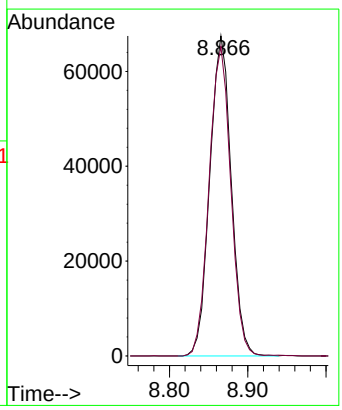


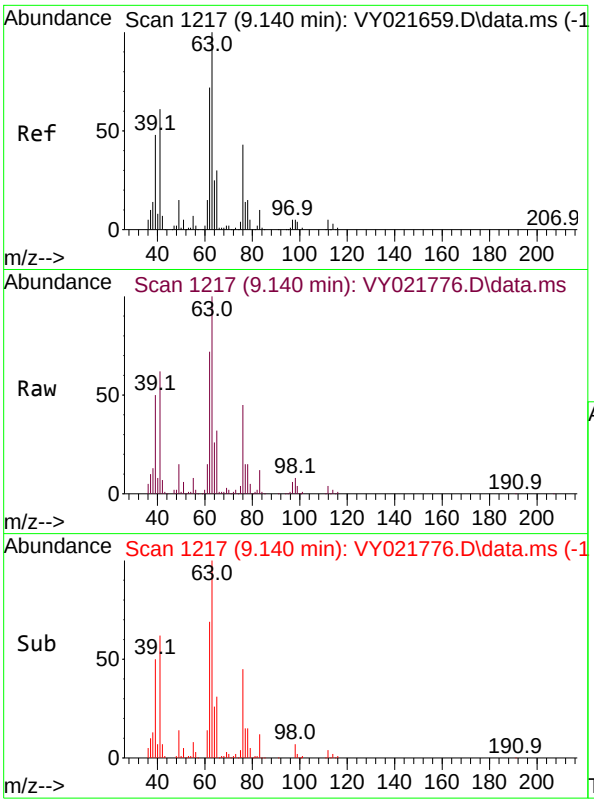


#44
Trichloroethene
Concen: 49.692 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:130 Resp: 128424

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	194.8



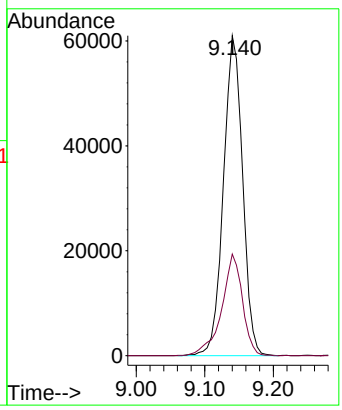


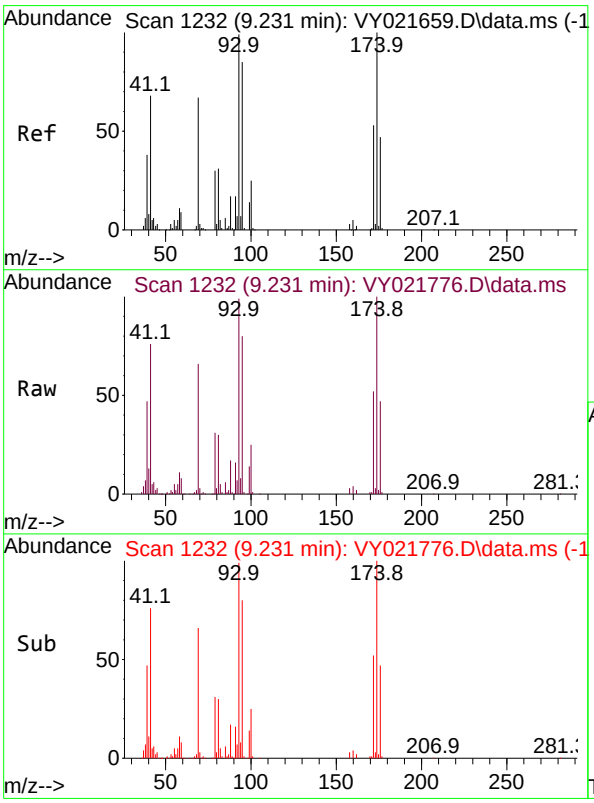
#45
1,2-Dichloropropane
Concen: 49.325 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 118428

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.4	36.6

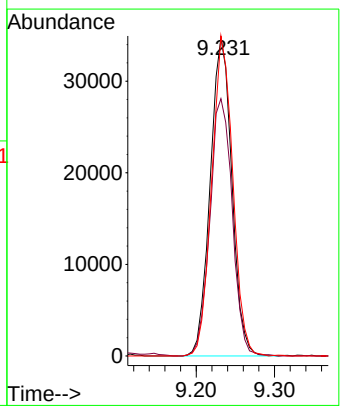


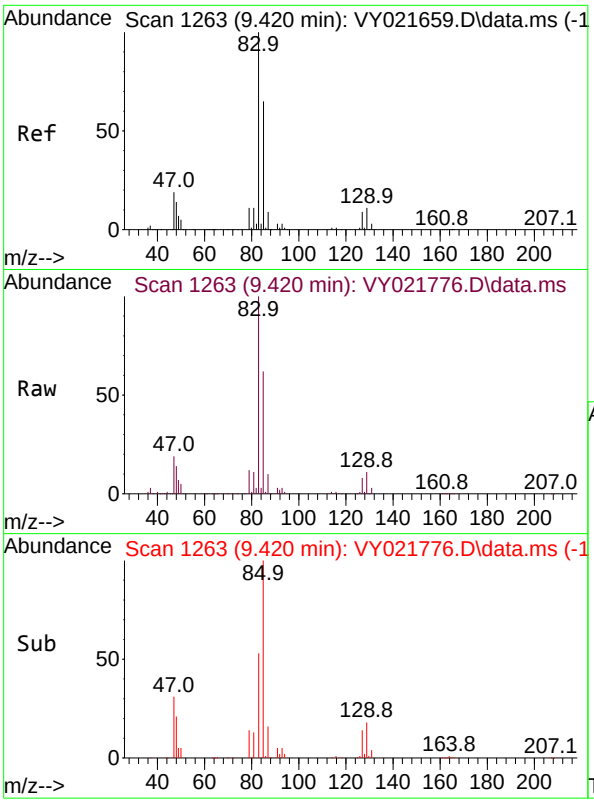


#46
Dibromomethane
Concen: 48.116 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 93 Resp: 66580

Ion	Ratio	Lower	Upper
93	100		
95	83.4	68.1	102.1
174	98.1	80.9	121.3



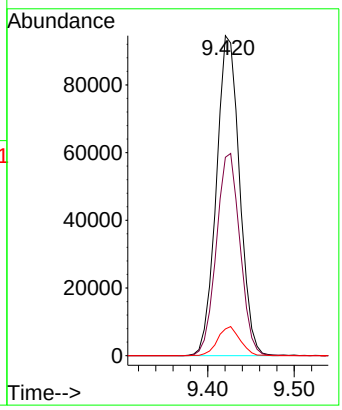


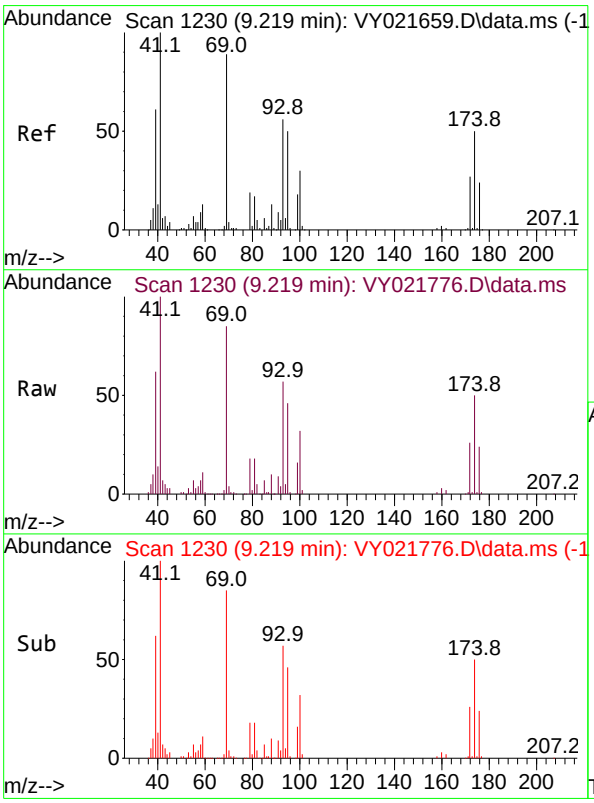
#47
Bromodichloromethane
Concen: 49.080 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 175976

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.6
127	8.3	6.8	10.2

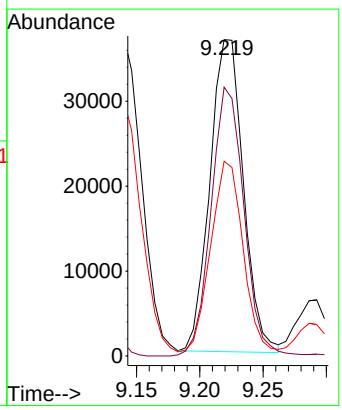


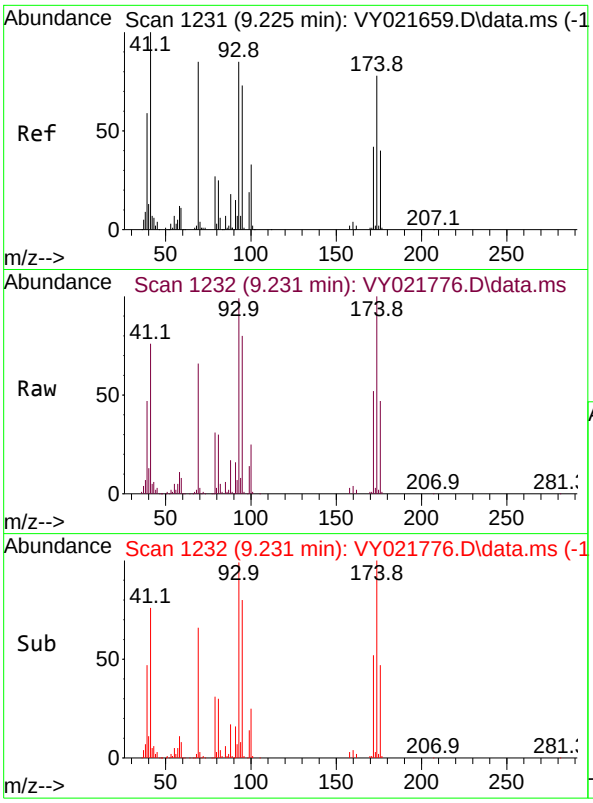


#48
Methyl methacrylate
Concen: 48.681 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 41 Resp: 67680

Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.8	104.8
39	59.0	47.2	70.8



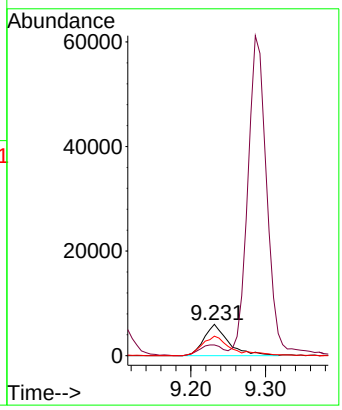


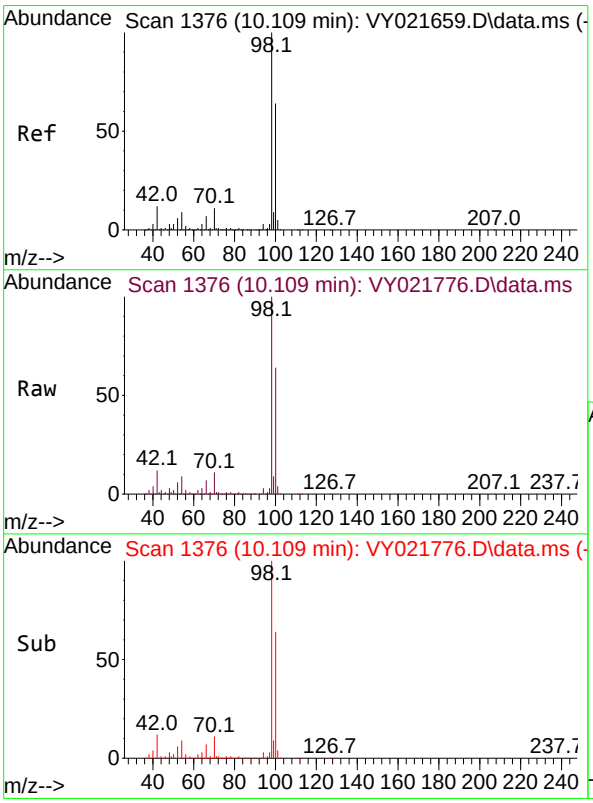
#49
1,4-Dioxane
Concen: 916.931 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 13592

Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.8	43.2
58	75.3	59.4	89.2

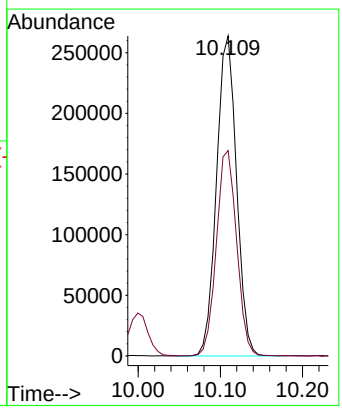


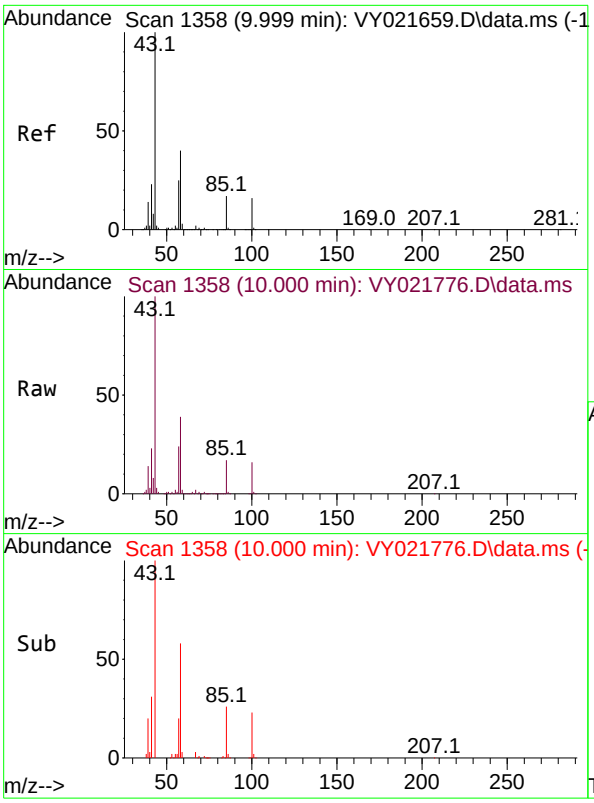


#50
Toluene-d8
Concen: 52.794 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 98 Resp: 446617

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



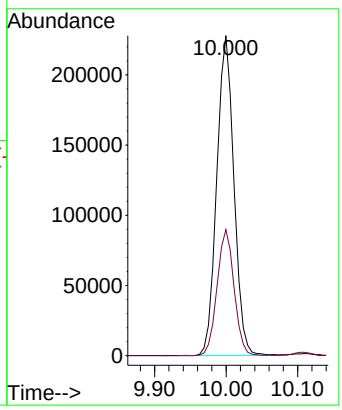


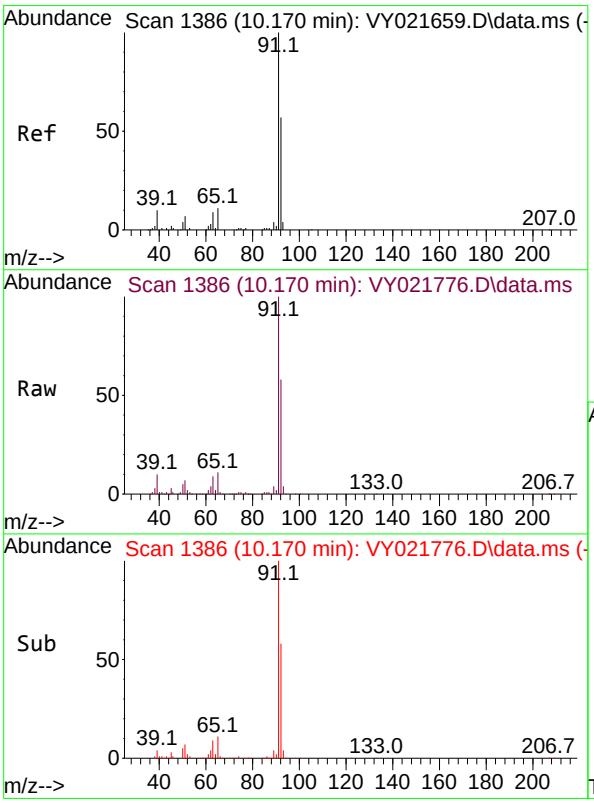
#51
4-Methyl-2-Pentanone
Concen: 241.372 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 380500

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.5	47.3

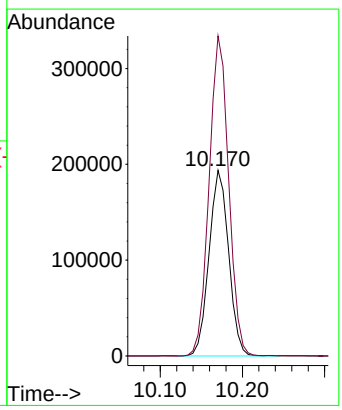


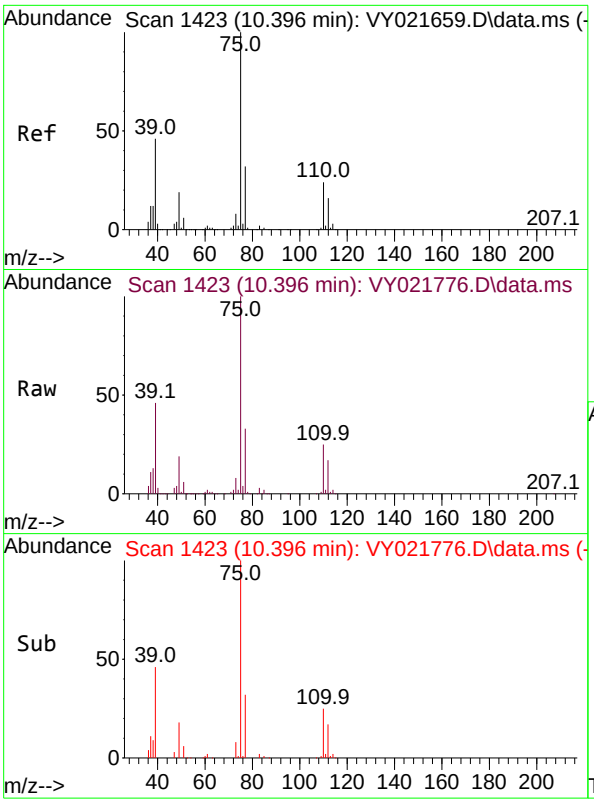


#52
Toluene
Concen: 50.737 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 92 Resp: 321091

Ion	Ratio	Lower	Upper
92	100		
91	171.7	138.6	207.8



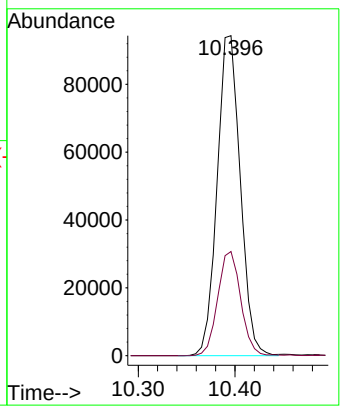


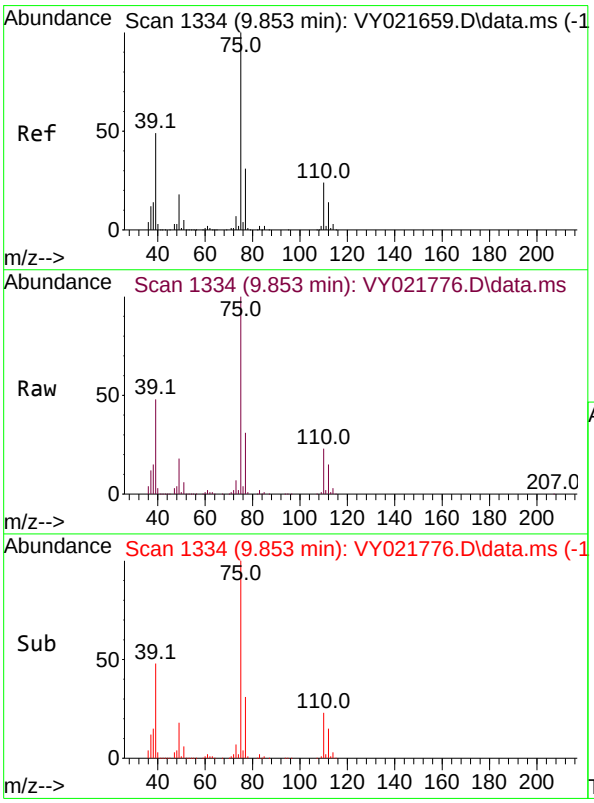
#53
t-1,3-Dichloropropene
Concen: 49.181 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 156628

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9

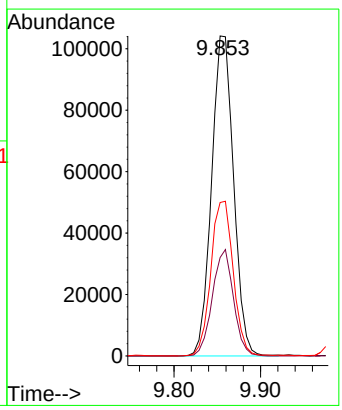


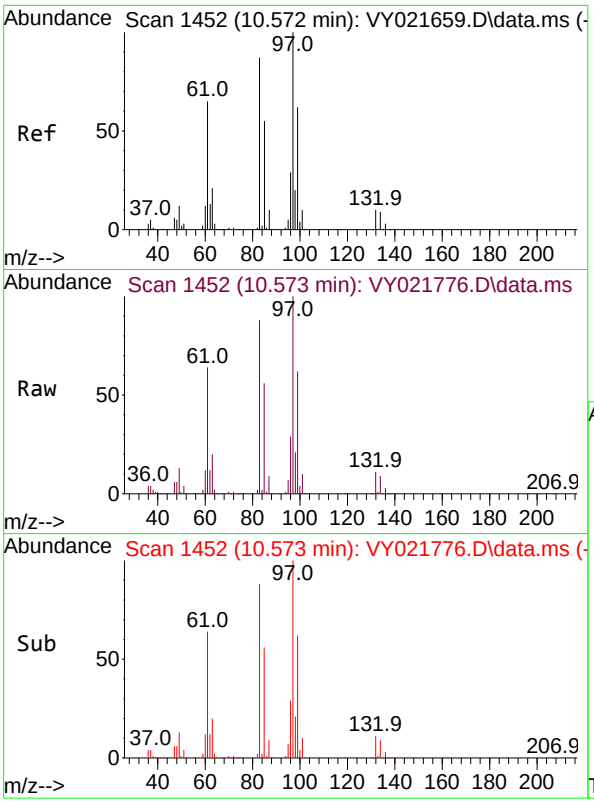


#54
cis-1,3-Dichloropropene
Concen: 48.979 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 184020

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.9	37.3
39	47.9	39.2	58.8



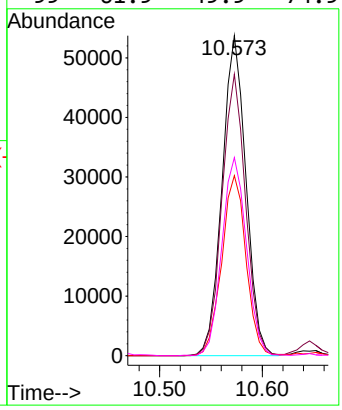


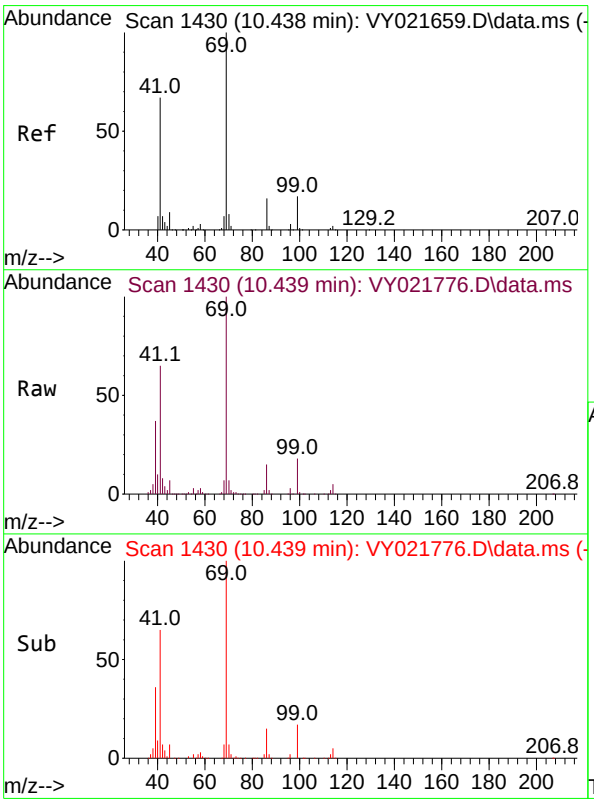
#55
1,1,2-Trichloroethane
Concen: 48.624 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 86585

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.5	104.3
85	56.2	43.9	65.9
99	61.9	49.9	74.9

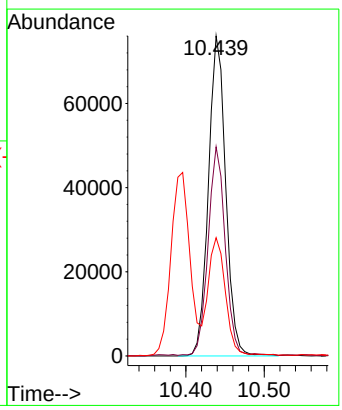


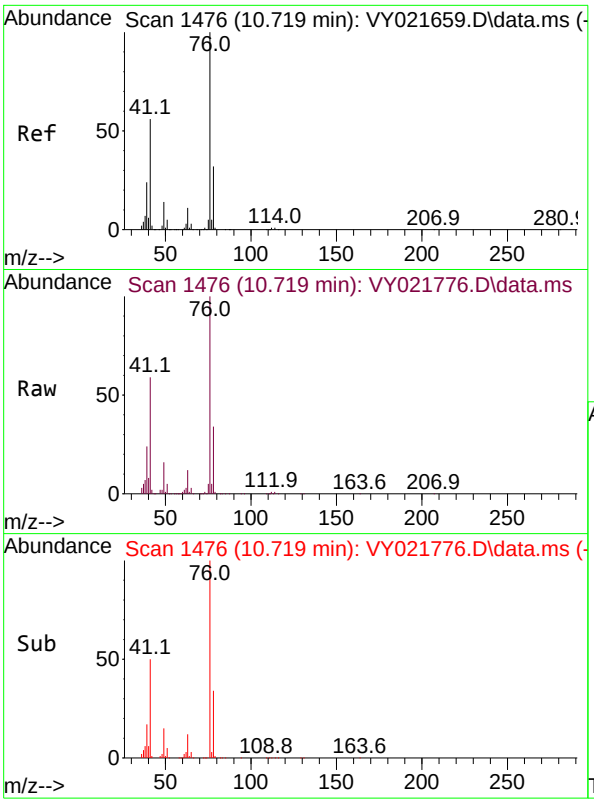


#56
Ethyl methacrylate
Concen: 51.235 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 69 Resp: 116496

Ion	Ratio	Lower	Upper
69	100		
41	64.7	53.8	80.6
39	36.1	29.6	44.4



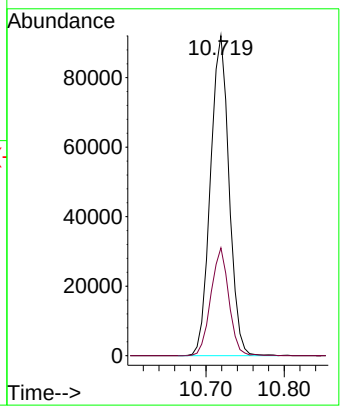


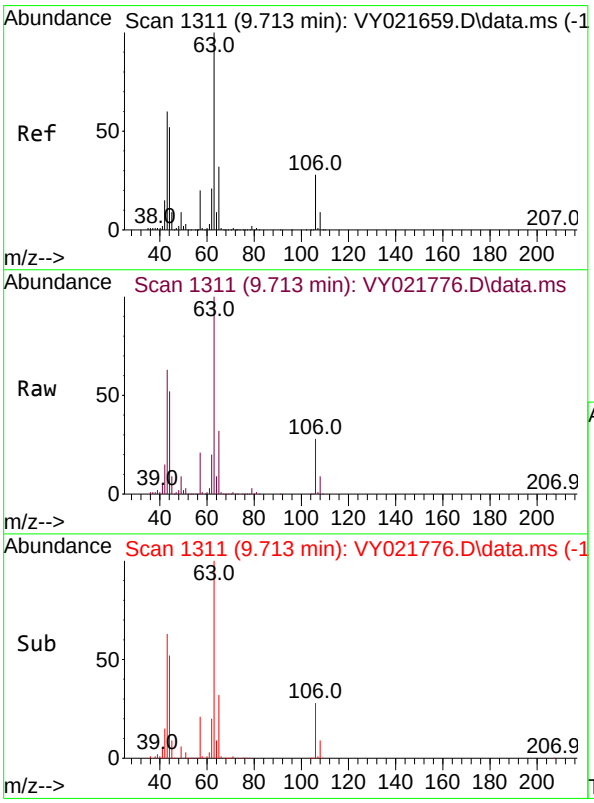
#57
1,3-Dichloropropane
Concen: 49.355 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 151785

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

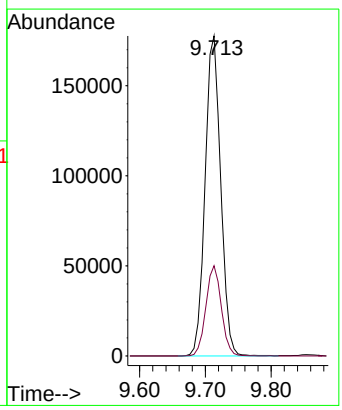


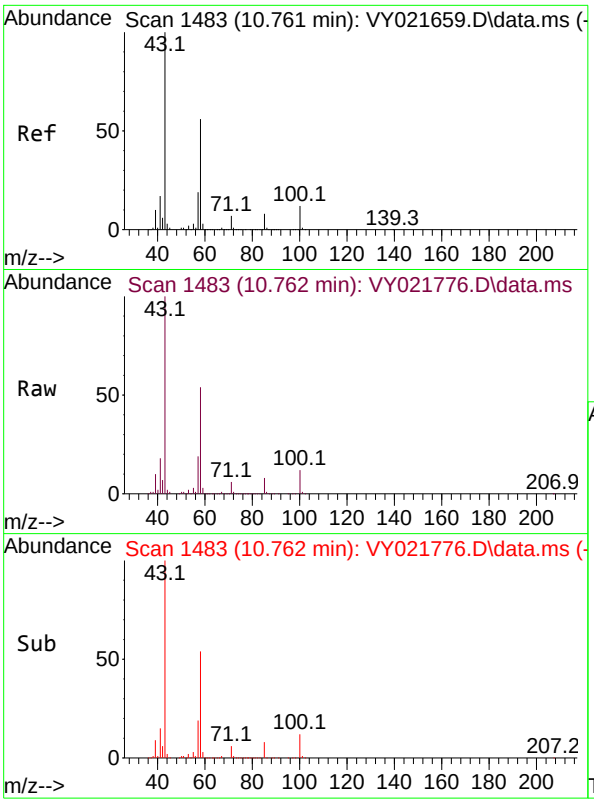


#58
2-Chloroethyl Vinyl ether
Concen: 264.232 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 63 Resp: 293090

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.4	33.6



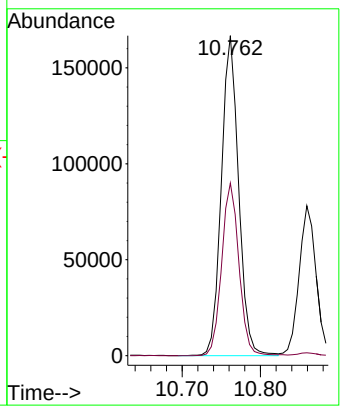


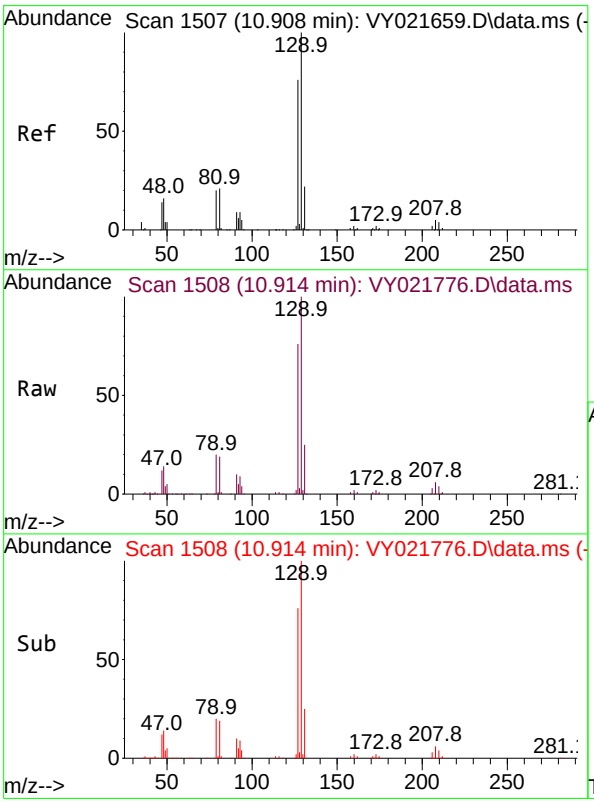
#59
2-Hexanone
Concen: 243.569 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 255713

Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.2	81.5

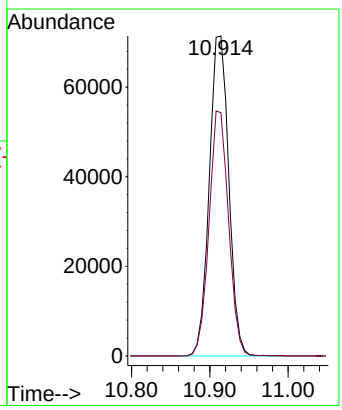


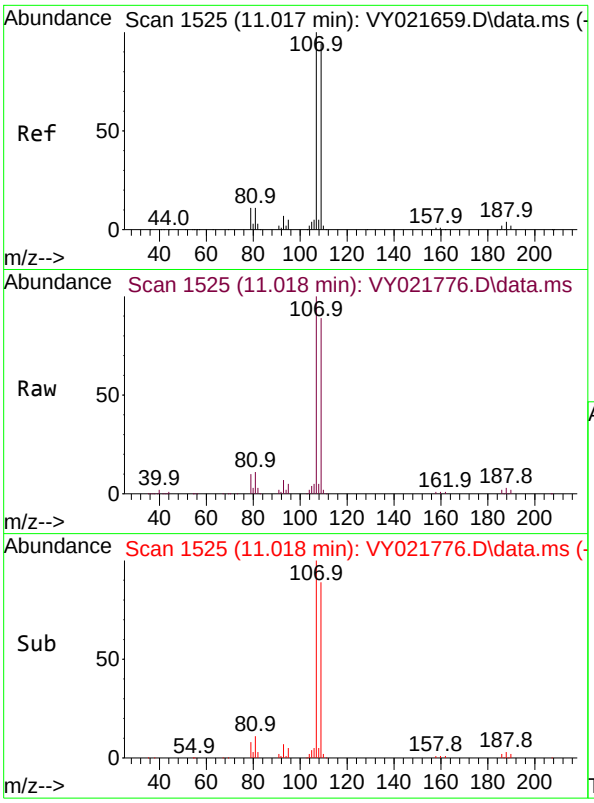


#60
Dibromochloromethane
Concen: 50.684 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:129 Resp: 123226

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.7



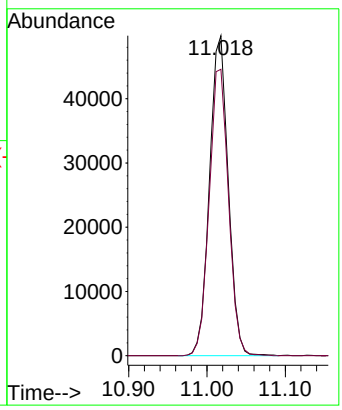


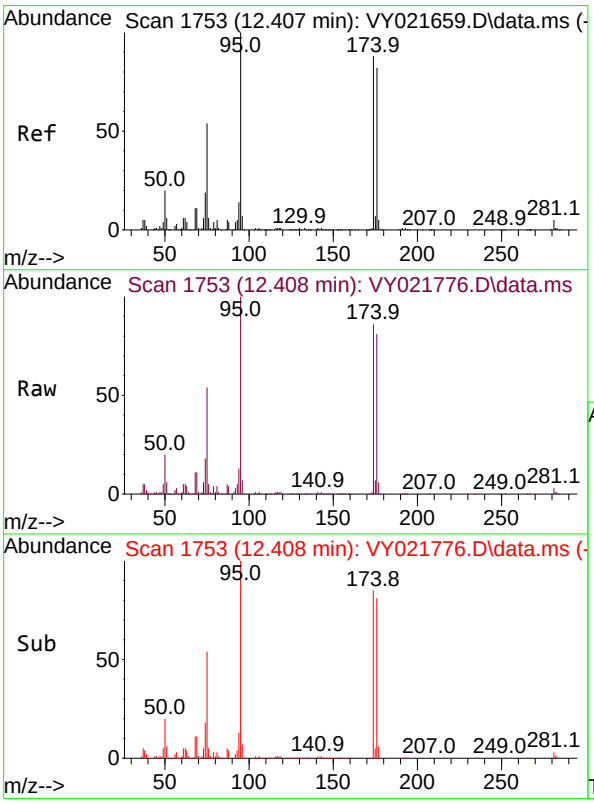
#61
1,2-Dibromoethane
Concen: 49.485 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 82662

Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.4	111.6

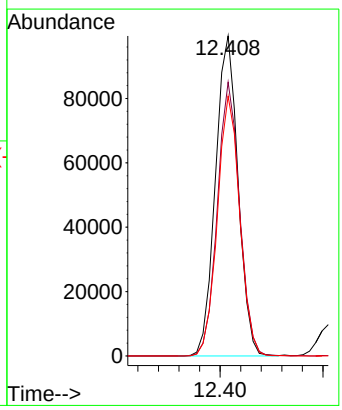


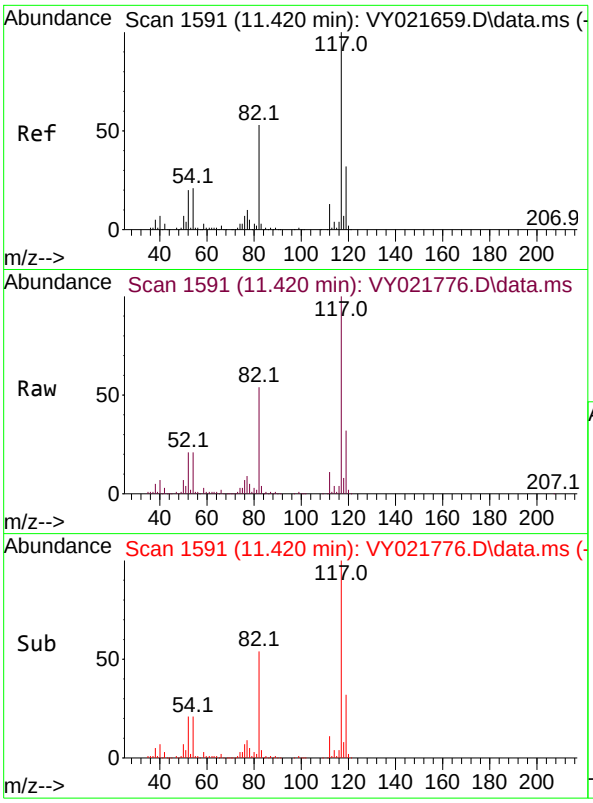


#62
4-Bromofluorobenzene
Concen: 52.928 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 95 Resp: 151449

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.8
176	80.4	0.0	162.0



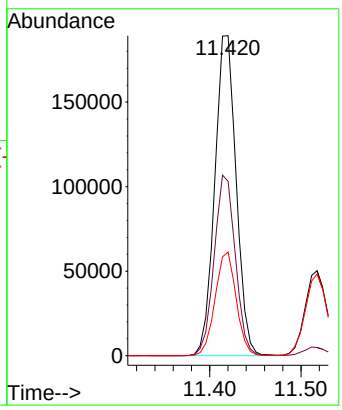


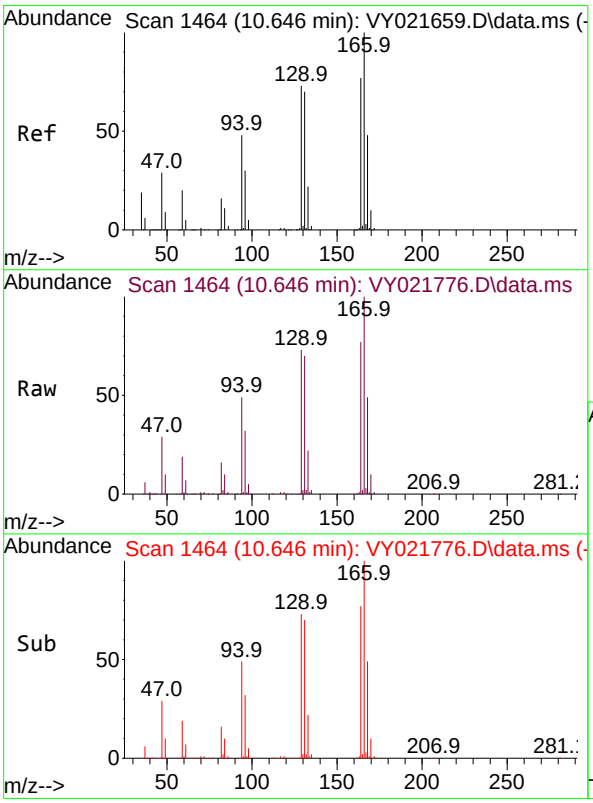
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 308777

Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.8	64.2
119	32.4	25.7	38.5

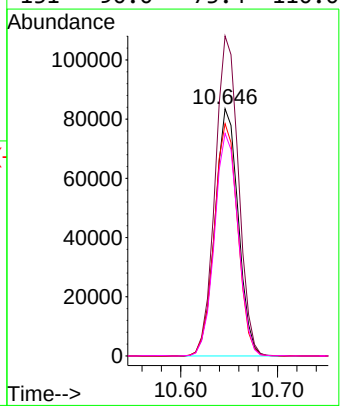


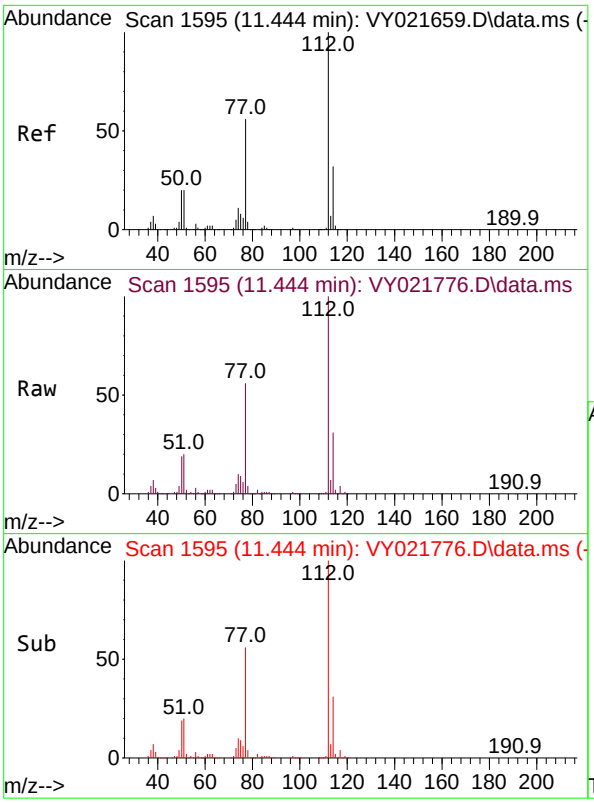


#64
Tetrachloroethene
Concen: 49.667 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:164 Resp: 139676

Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.6	156.8
129	93.9	76.6	114.8
131	90.0	73.4	110.0



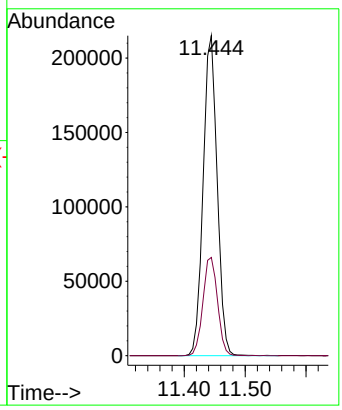


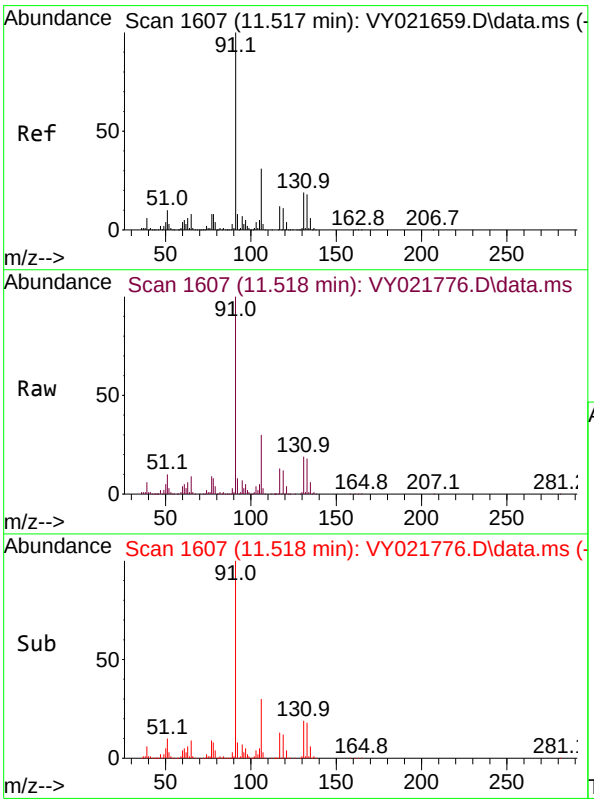
#65
Chlorobenzene
Concen: 48.533 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 343523

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.9	38.9

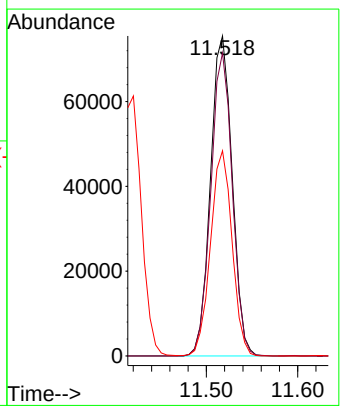


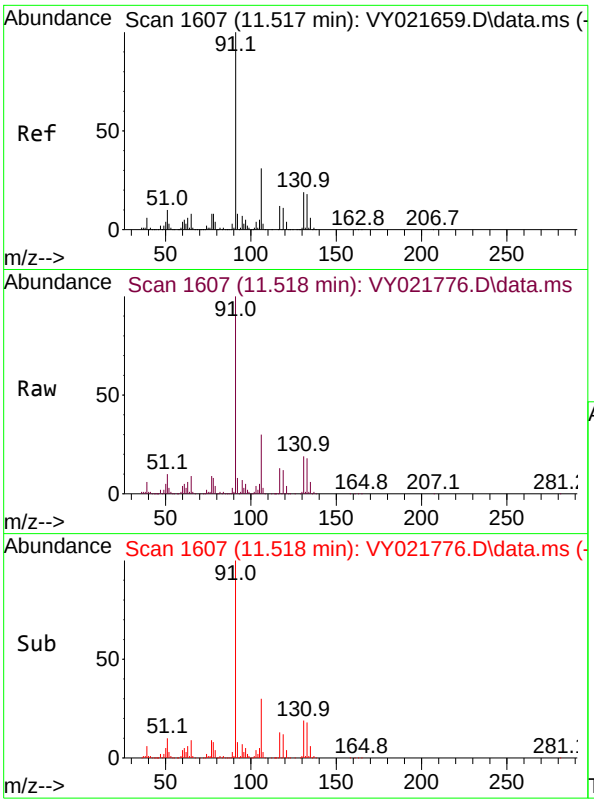


#66
1,1,1,2-Tetrachloroethane
Concen: 49.482 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:131 Resp: 124267

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	141.8
119	63.8	31.6	95.0



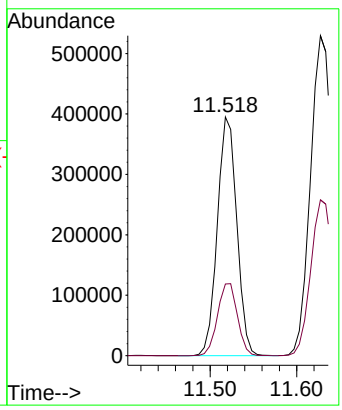


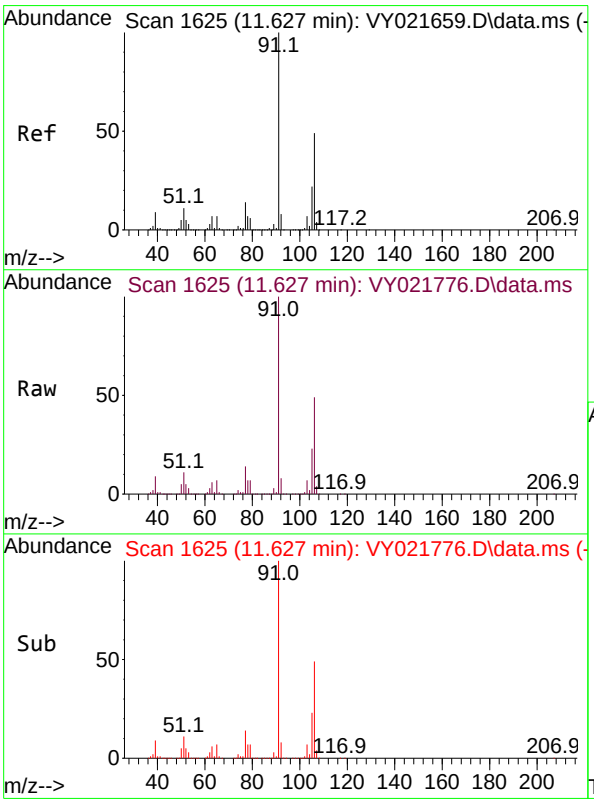
#67
Ethyl Benzene
Concen: 50.727 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 615700

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.6	36.8

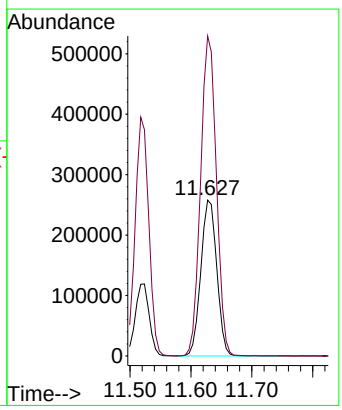


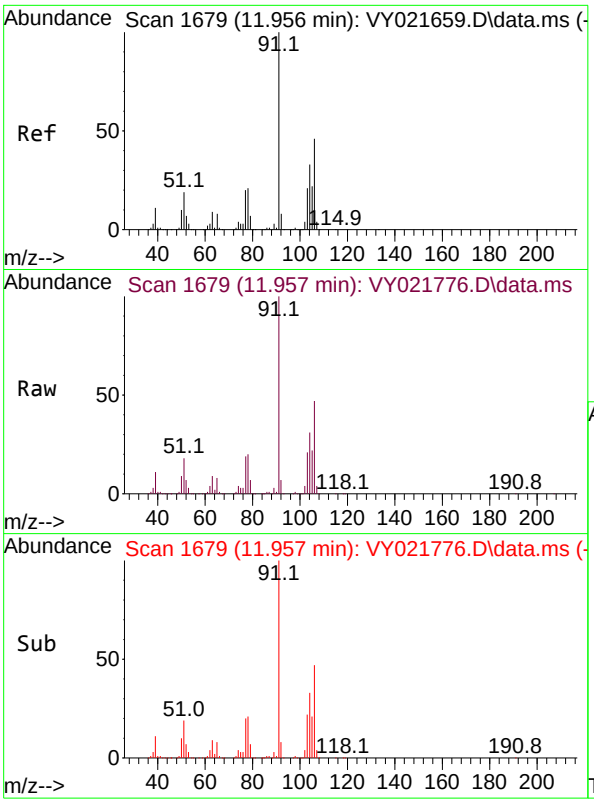


#68
m/p-Xylenes
Concen: 101.155 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:106 Resp: 470149

Ion	Ratio	Lower	Upper
106	100		
91	203.2	162.4	243.6



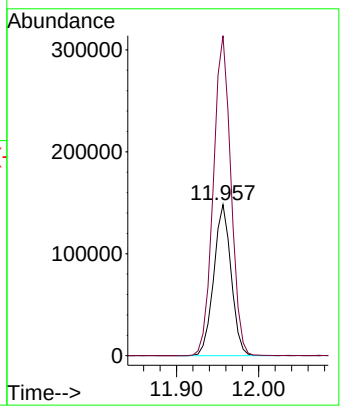


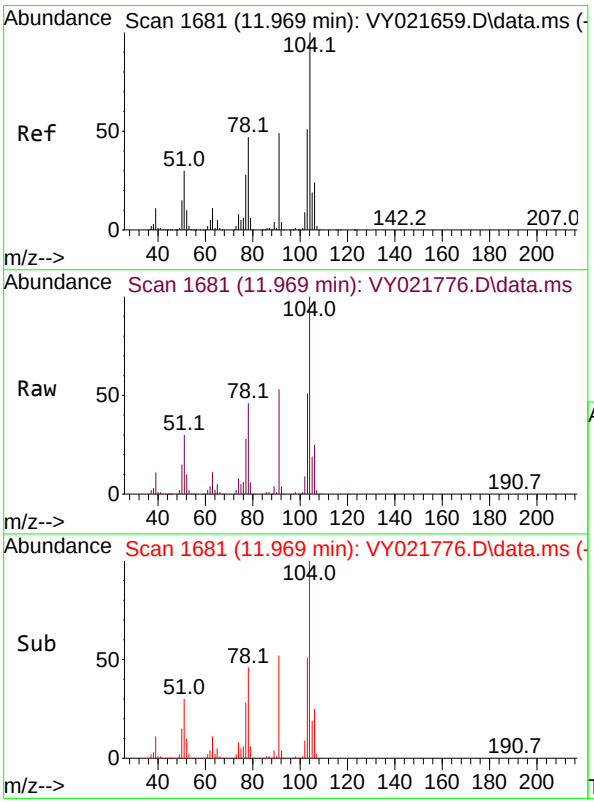
#69
o-Xylene
Concen: 50.688 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 217467

Ion	Ratio	Lower	Upper
106	100		
91	215.1	106.7	319.9

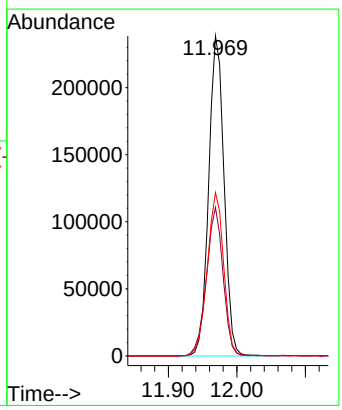


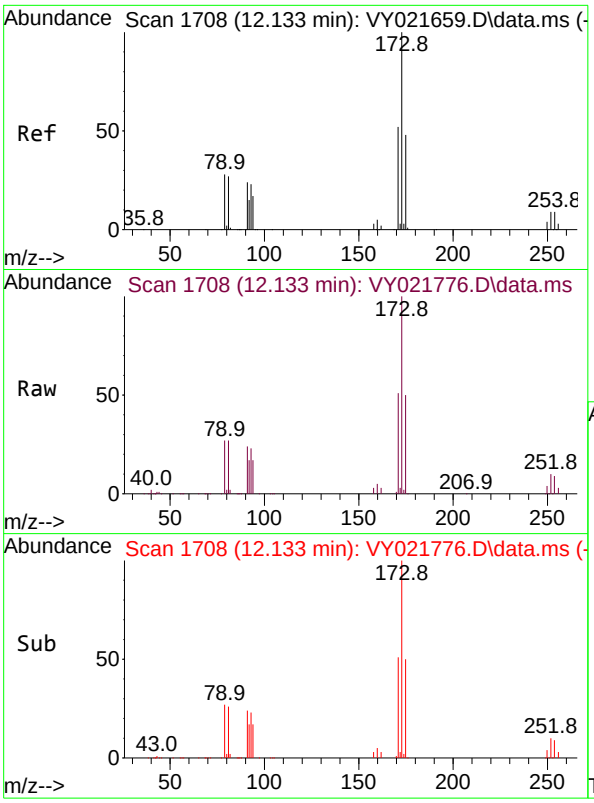


#70
Styrene
Concen: 51.933 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:104 Resp: 371495

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.8	61.2
103	54.8	44.2	66.2



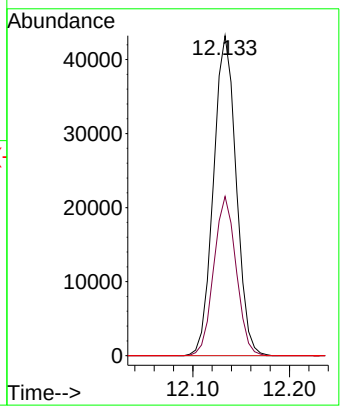


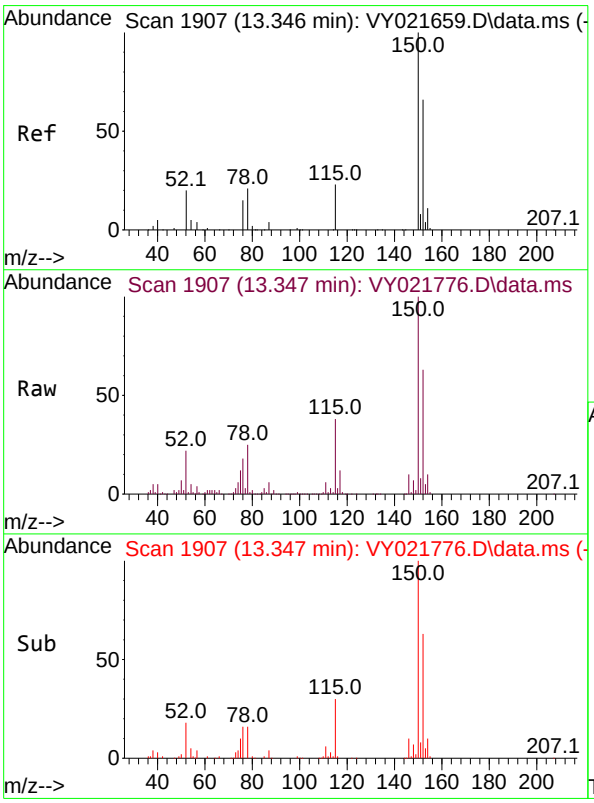
#71
Bromoform
Concen: 49.056 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 70273

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1#

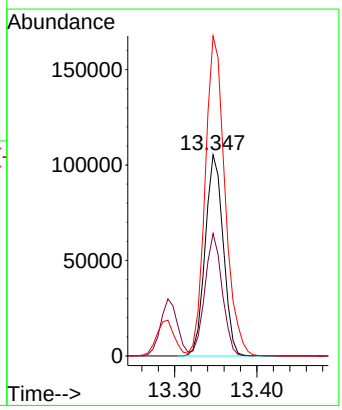


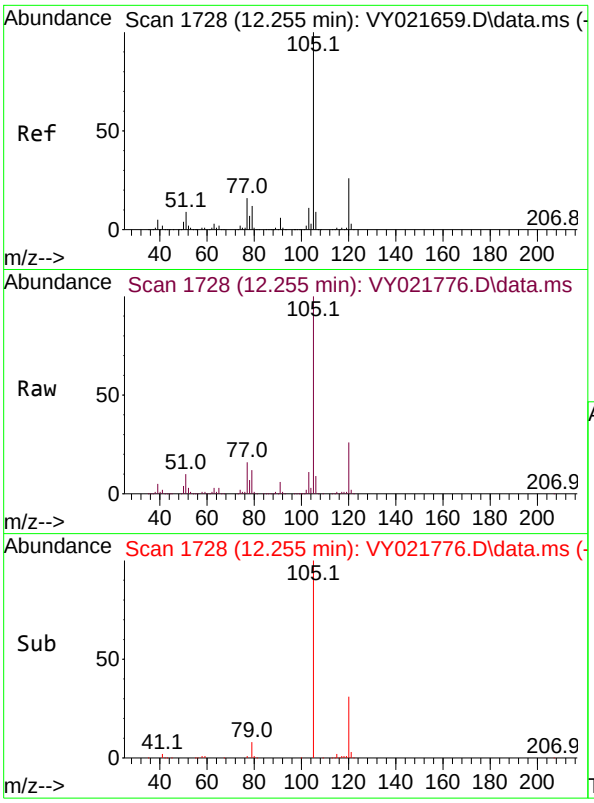


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:152 Resp: 160179

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.5
150	174.4	0.0	348.4



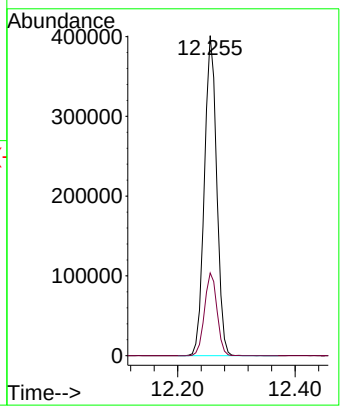


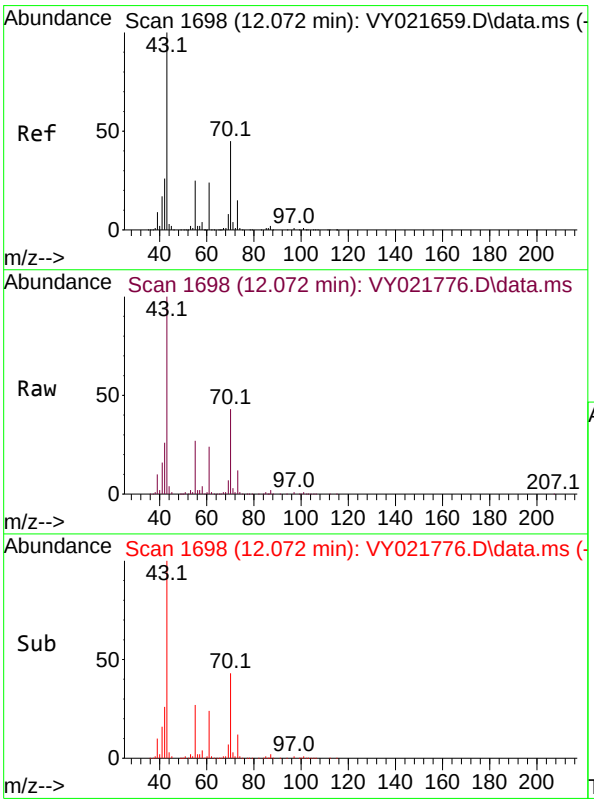
#73
Isopropylbenzene
Concen: 49.152 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 584770

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

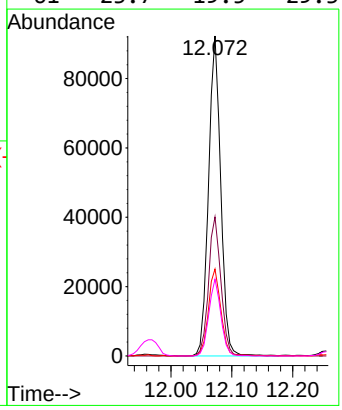


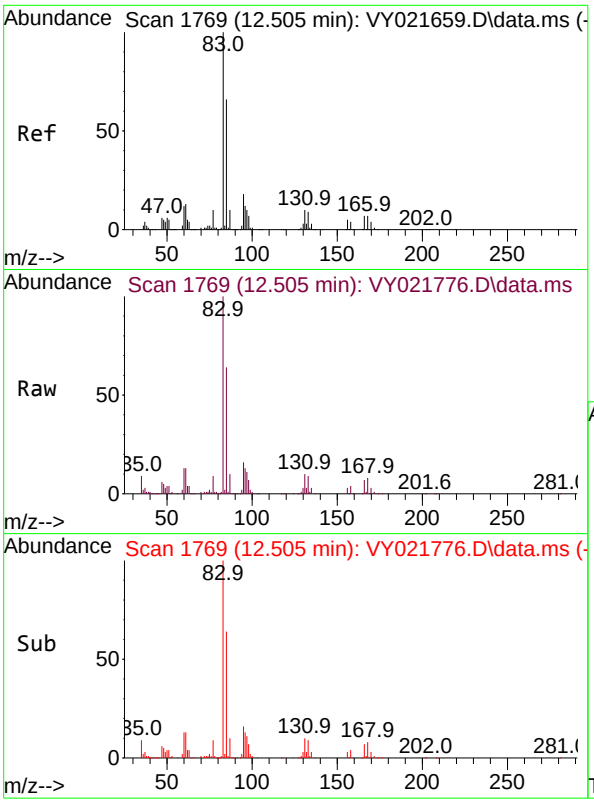


#74
N-amyl acetate
Concen: 46.159 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 43 Resp: 128883

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.7	52.1
55	27.9	21.2	31.8
61	23.7	19.5	29.3



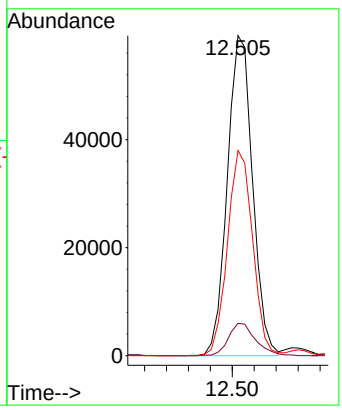


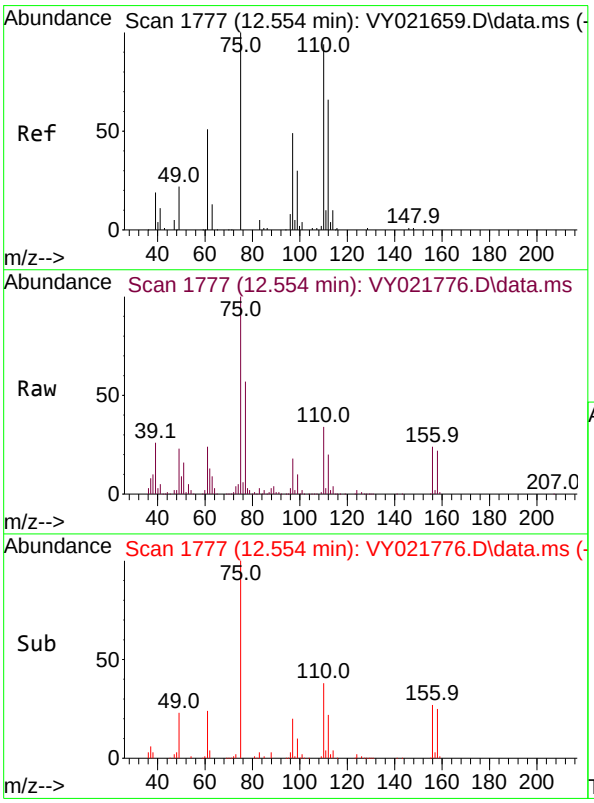
#75
1,1,2,2-Tetrachloroethane
Concen: 44.226 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 94598

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.3
85	64.0	32.3	96.8

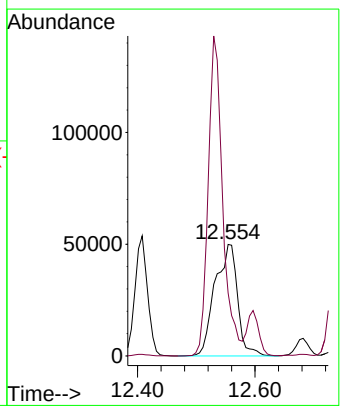


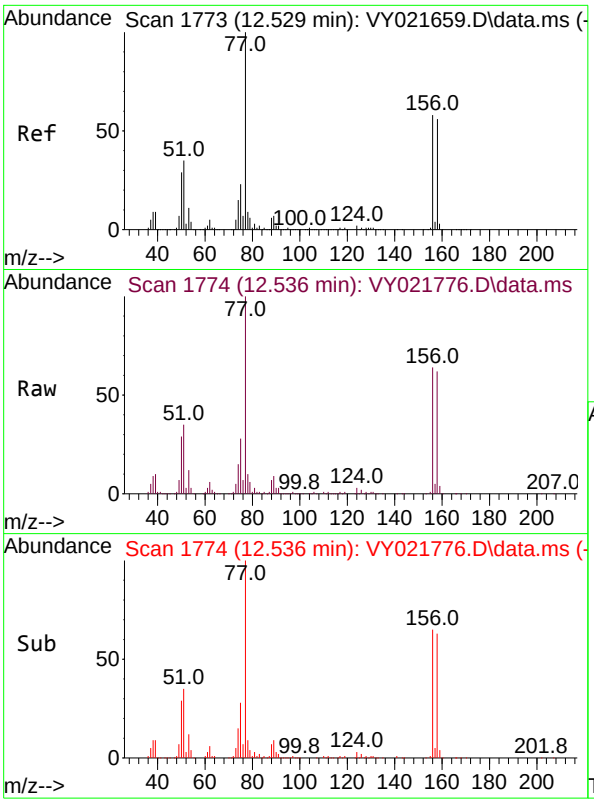


#76
1,2,3-Trichloropropane
Concen: 83.901 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 133217

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



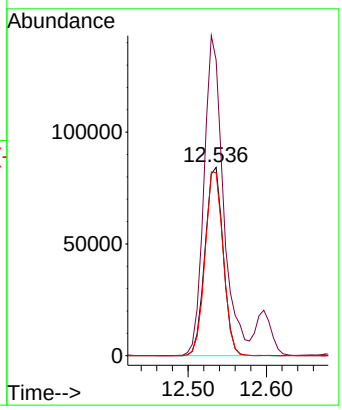


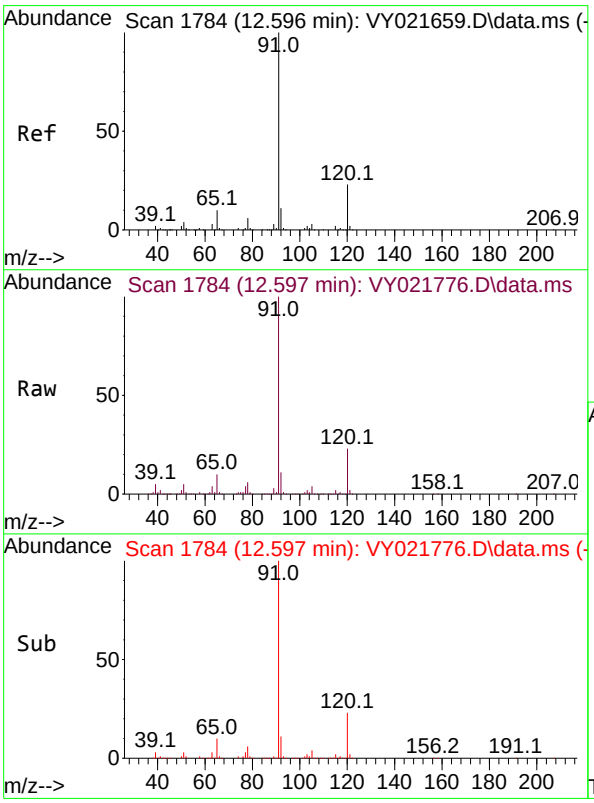
#77
Bromobenzene
Concen: 47.465 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 135583

Ion	Ratio	Lower	Upper
156	100		
77	182.2	92.8	278.3
158	97.4	48.5	145.6

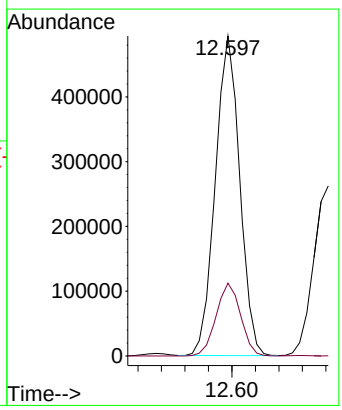


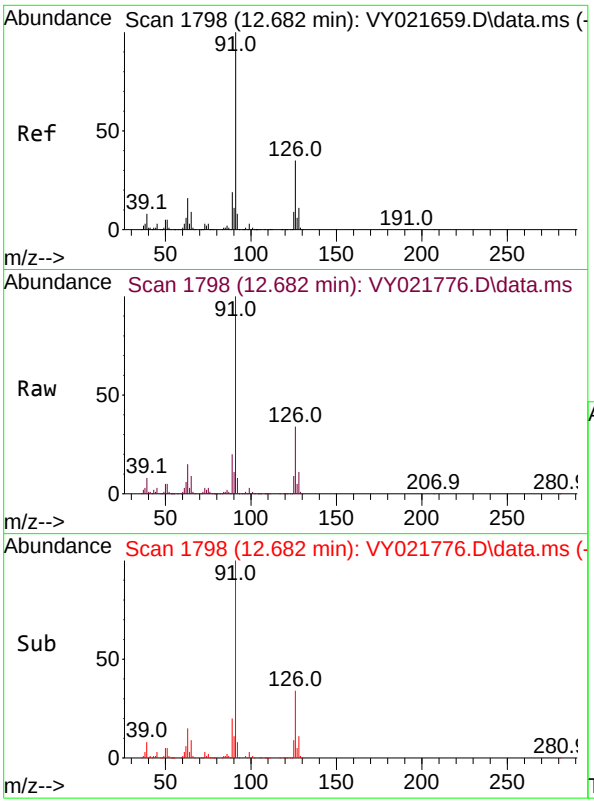


#78
n-propylbenzene
Concen: 49.780 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 712013

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9



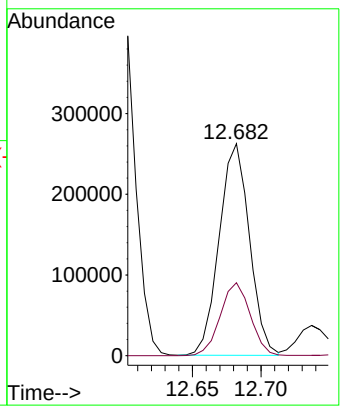


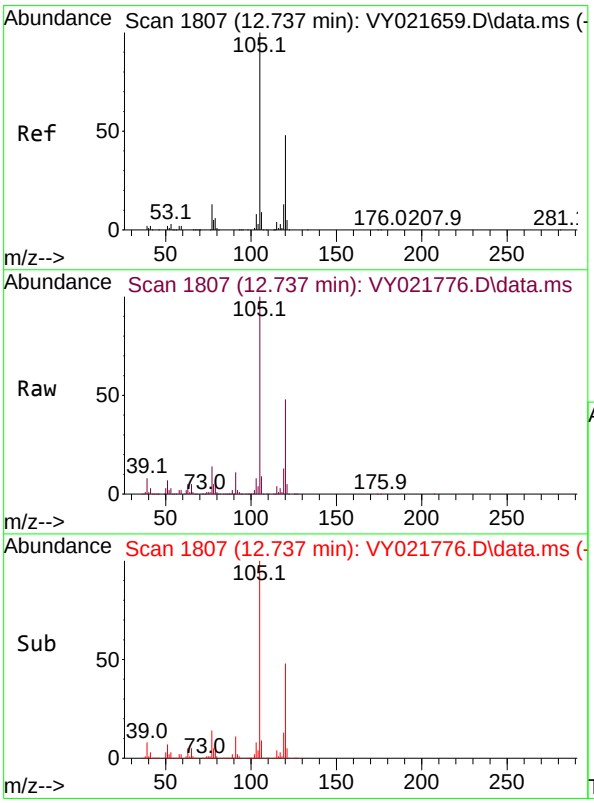
#79
2-Chlorotoluene
Concen: 48.532 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 403179

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	52.0

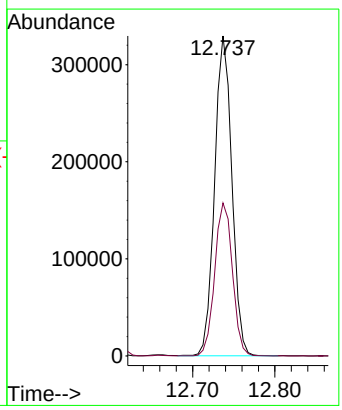


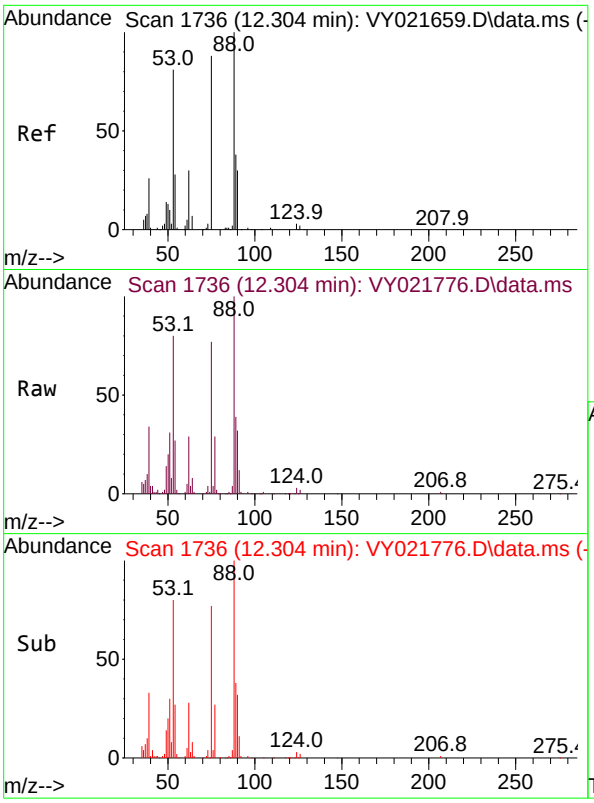


#80
1,3,5-Trimethylbenzene
Concen: 49.401 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:105 Resp: 480341

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.5	73.5



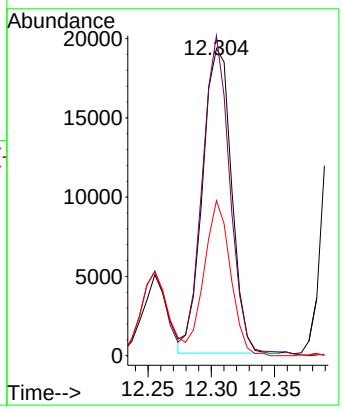


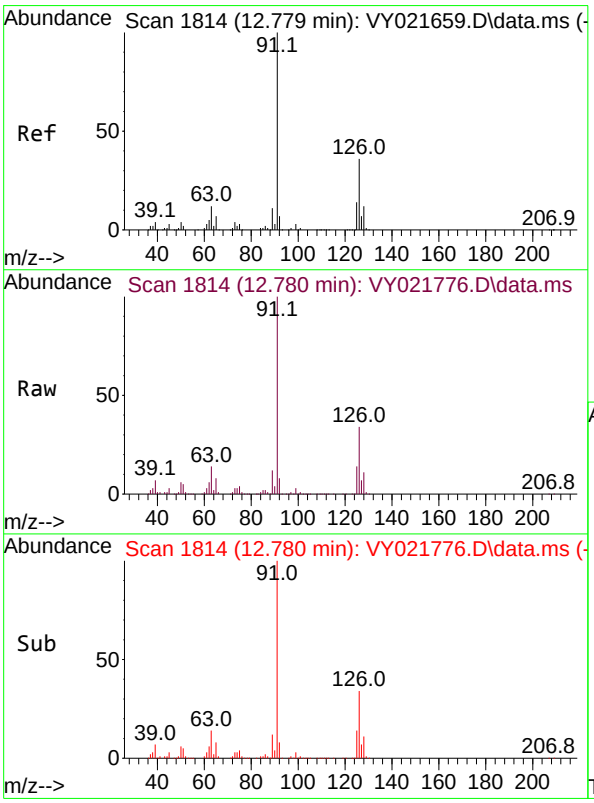
#81
trans-1,4-Dichloro-2-butene
Concen: 44.380 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 30582

Ion	Ratio	Lower	Upper
75	100		
53	101.1	76.1	114.1
89	46.2	36.2	54.4

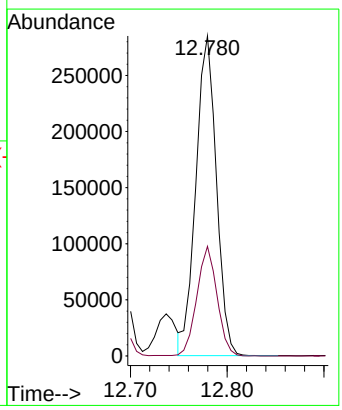


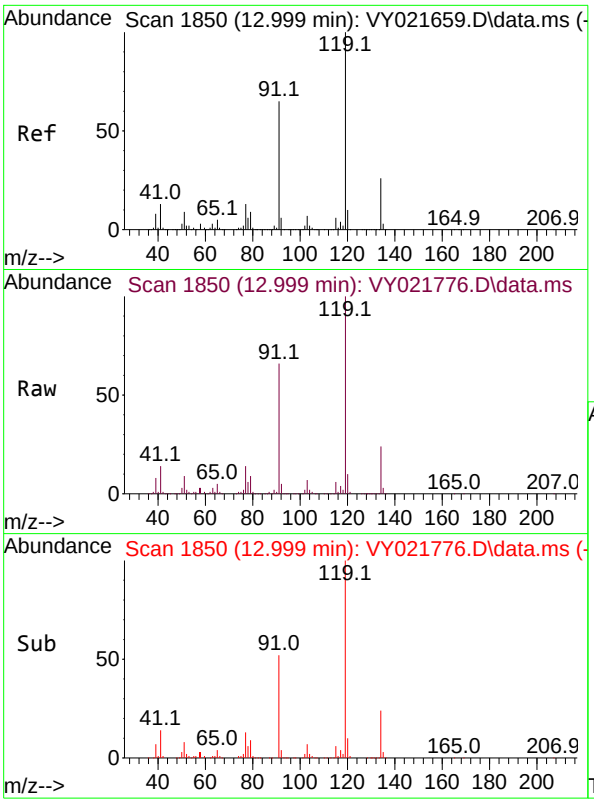


#82
4-Chlorotoluene
Concen: 48.519 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 91 Resp: 420225

Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	50.9



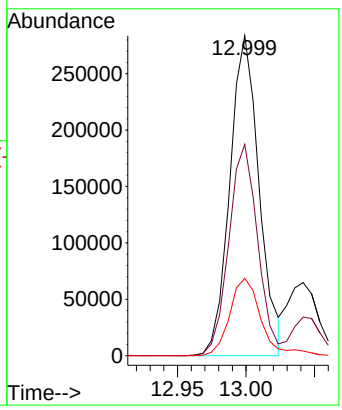


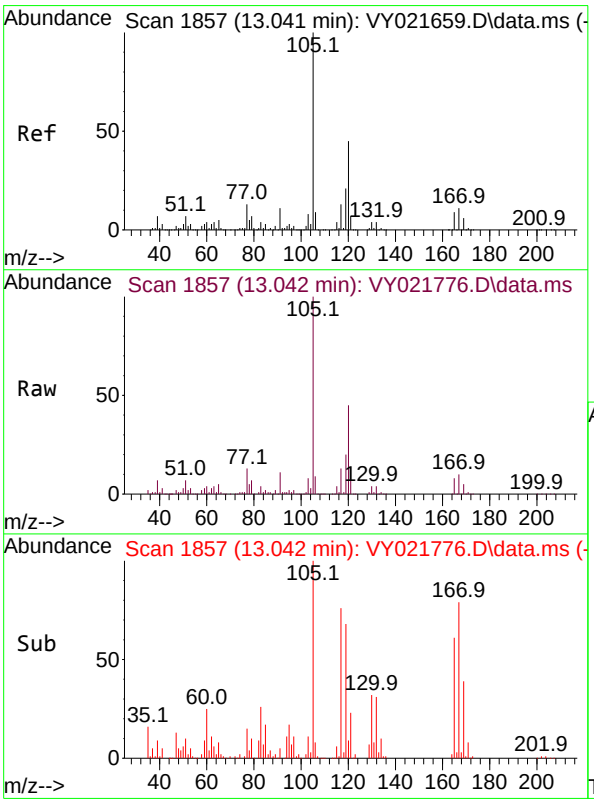
#83
tert-Butylbenzene
Concen: 48.759 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 422284

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.6	97.7
134	25.9	13.2	39.6

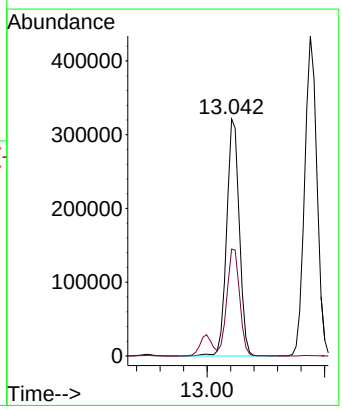


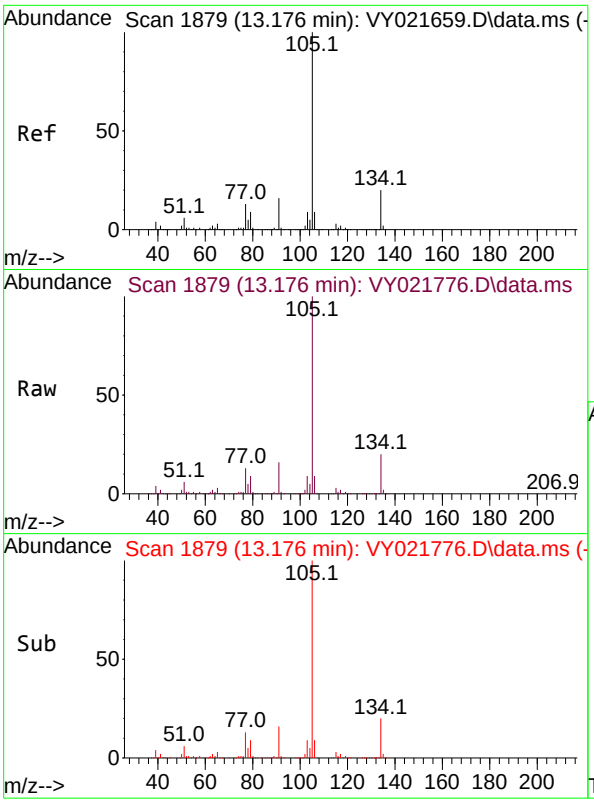


#84
1,2,4-Trimethylbenzene
Concen: 50.015 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:105 Resp: 480654

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1



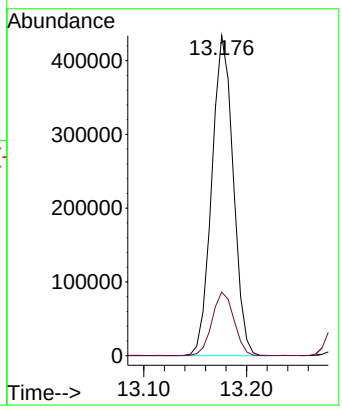


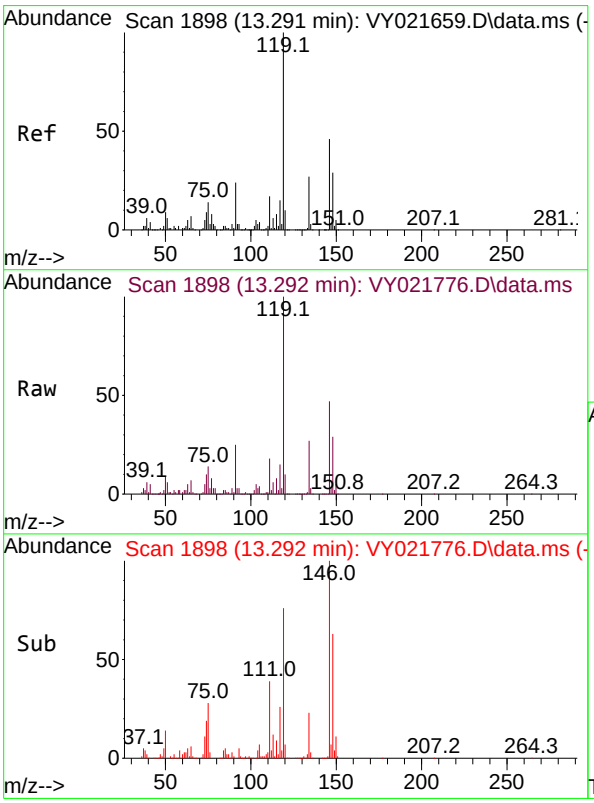
#85
sec-Butylbenzene
Concen: 49.626 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 628096

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1

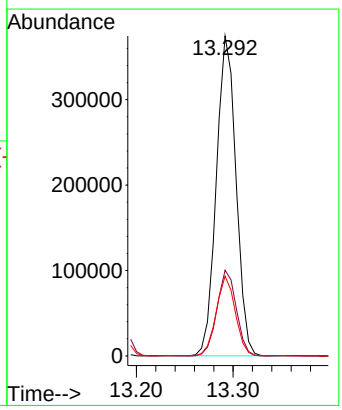


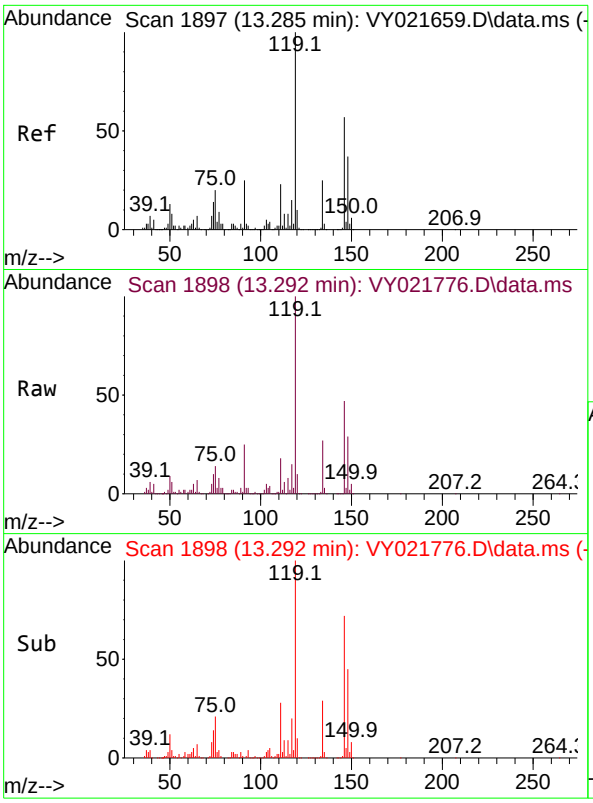


#86
p-Isopropyltoluene
Concen: 50.469 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:119 Resp: 527940

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.5
91	24.2	12.0	36.0



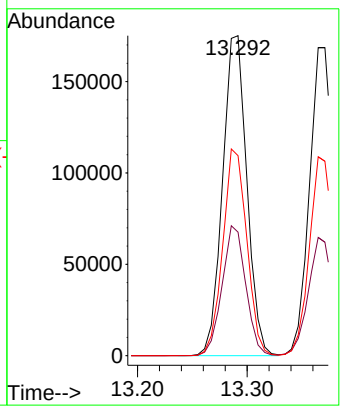


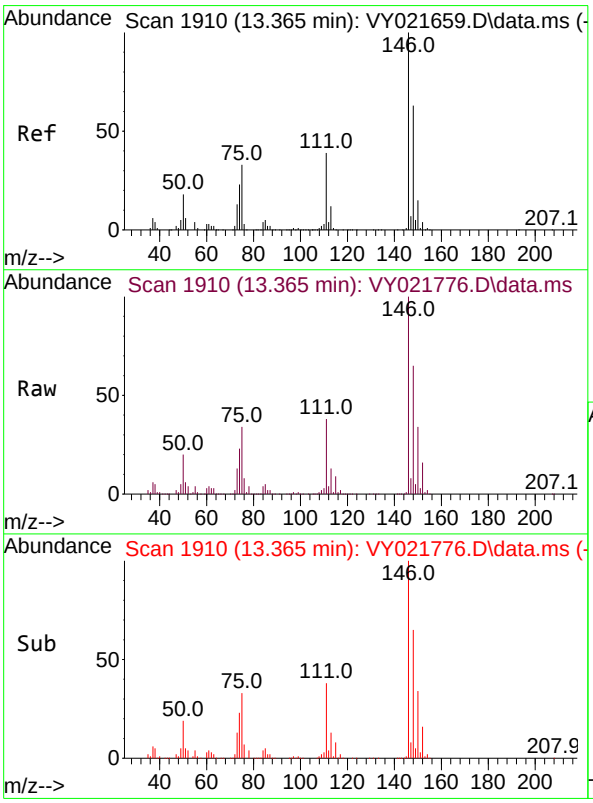
#87
1,3-Dichlorobenzene
Concen: 47.936 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 269775

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	63.8	31.8	95.4

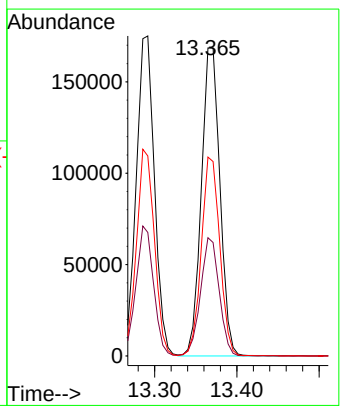


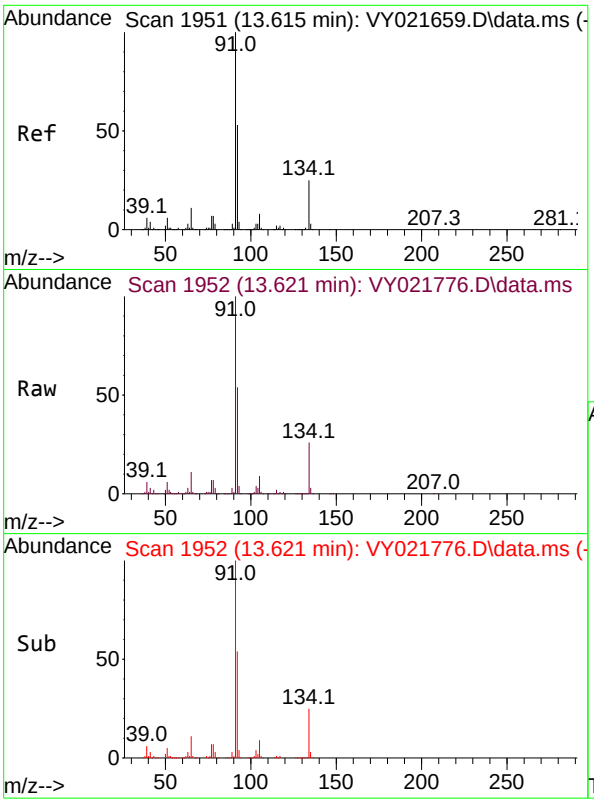


#88
1,4-Dichlorobenzene
Concen: 47.658 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:146 Resp: 264990

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.1	31.5	94.5



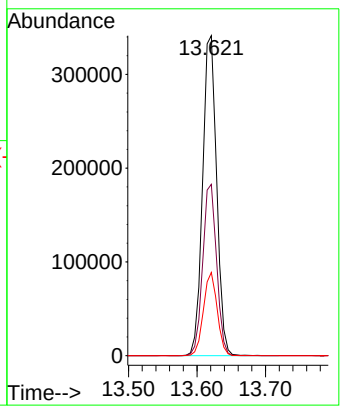


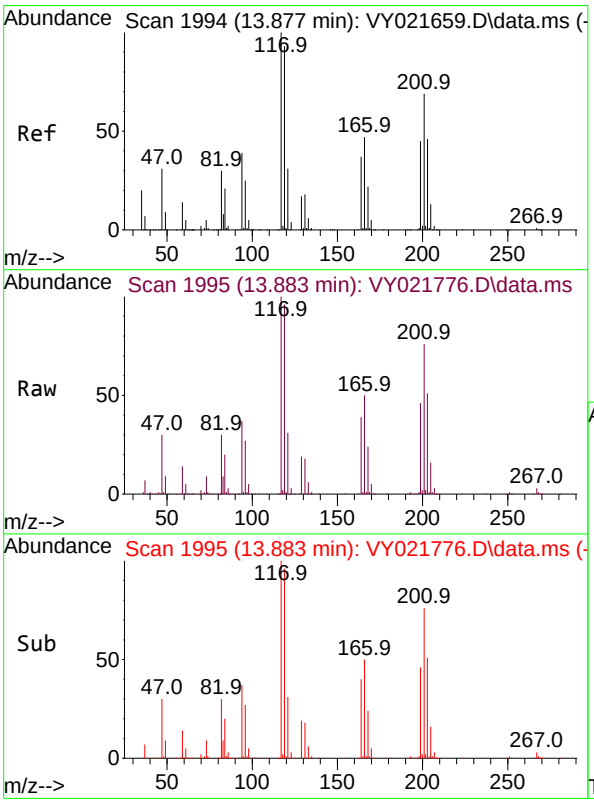
#89
n-Butylbenzene
Concen: 50.346 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 487055

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.5	12.8	38.4

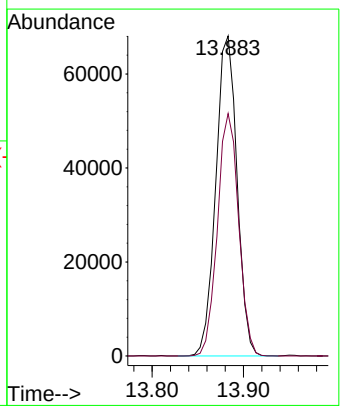


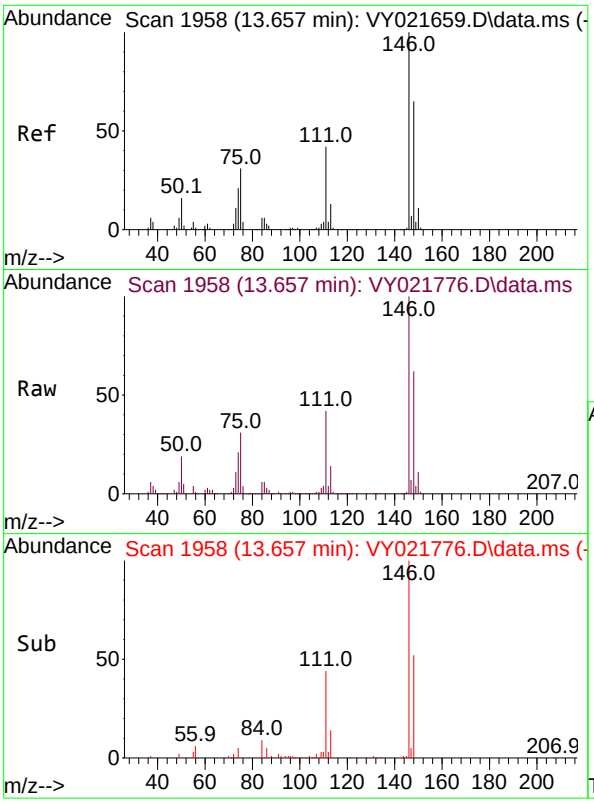


#90
Hexachloroethane
Concen: 48.010 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:117 Resp: 110054

Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.4	112.1



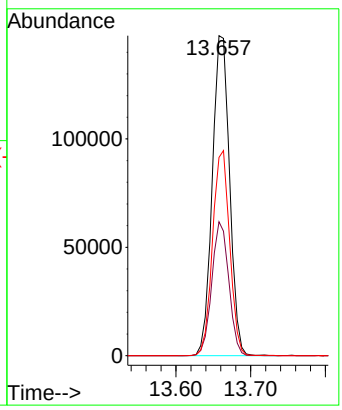


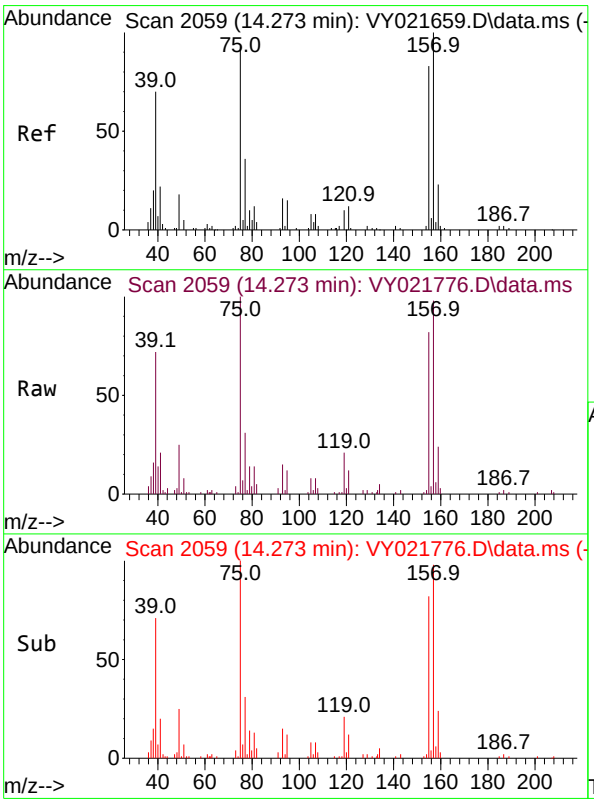
#91
1,2-Dichlorobenzene
Concen: 48.364 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 236937

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.5	32.3	96.9

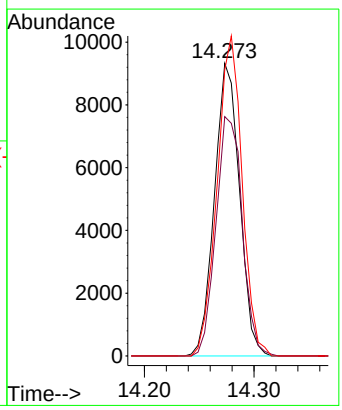


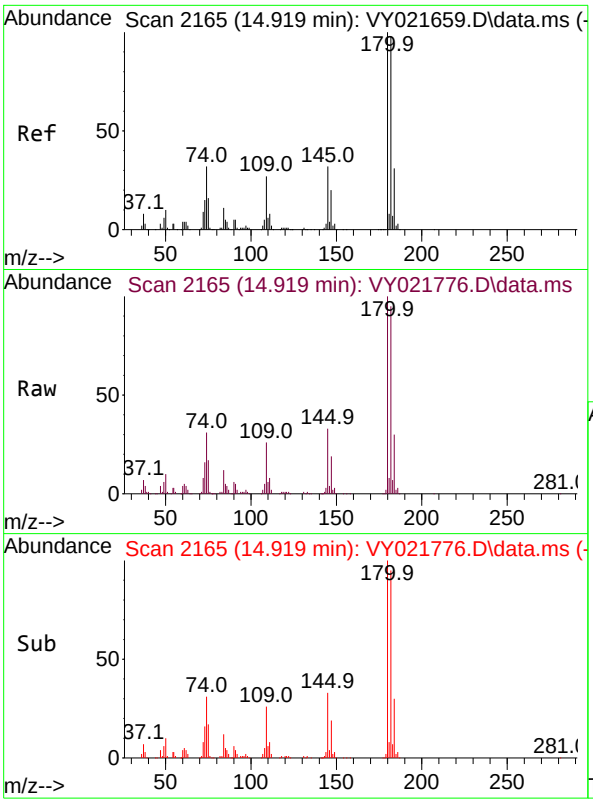


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion: 75 Resp: 14822

Ion	Ratio	Lower	Upper
75	100		
155	85.7	43.0	128.8
157	109.0	54.0	162.0



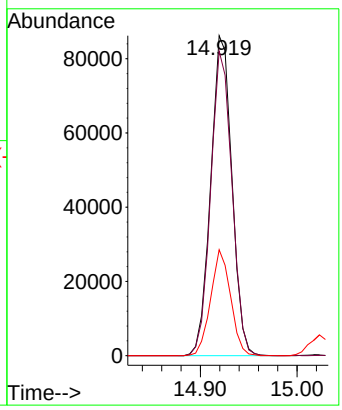


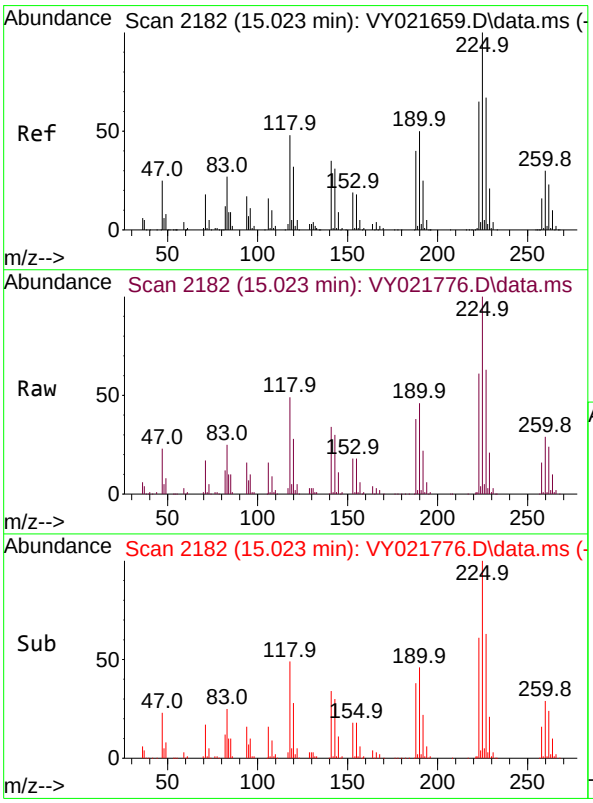
#93
1,2,4-Trichlorobenzene
Concen: 49.367 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 131155

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	31.2	14.9	44.9

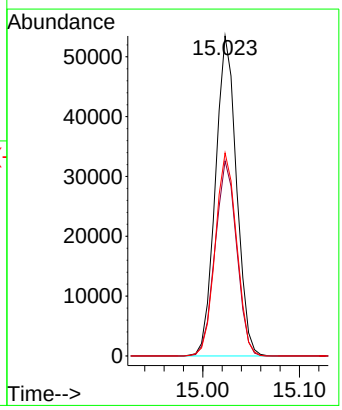


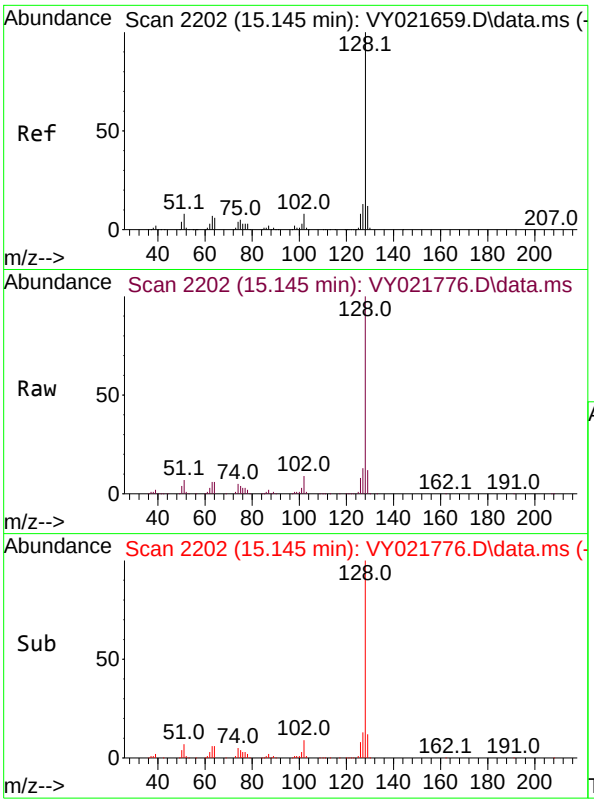


#94
Hexachlorobutadiene
Concen: 48.800 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:225 Resp: 80970

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.7
227	64.2	32.4	97.0



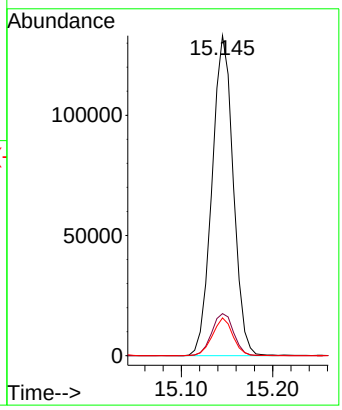


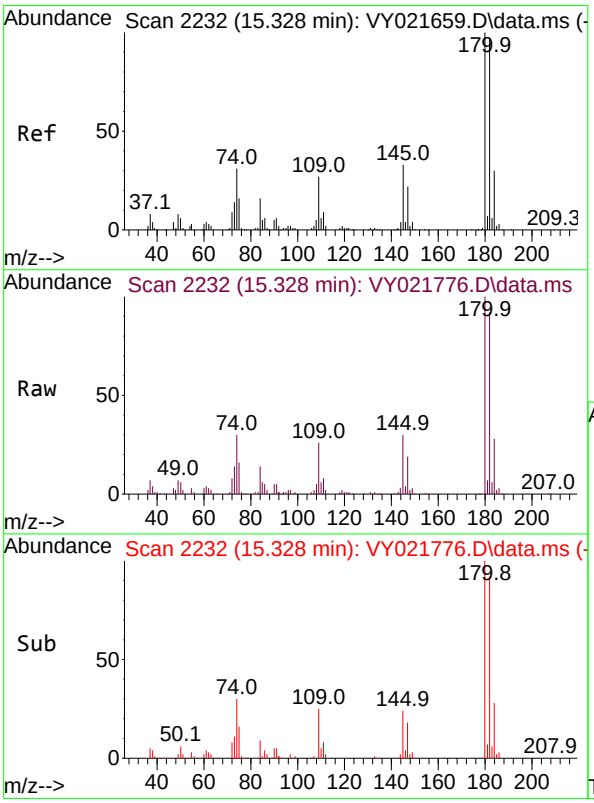
#95
Naphthalene
Concen: 48.786 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 214835

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.4	8.8	13.2

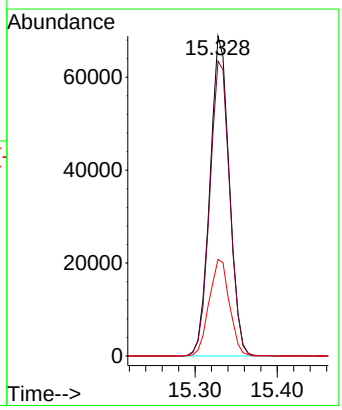




#96
1,2,3-Trichlorobenzene
Concen: 49.730 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021776.D
Acq: 04 Apr 2025 09:22

Tgt Ion:180 Resp: 112664

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	31.5	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	212143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120482	52.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.840%			
35) Dibromofluoromethane	7.634	113	115347	53.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	442990	53.826	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.408	95	147041	52.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	41144	18.712	ug/l	99
3) Chloromethane	2.068	50	58954	19.068	ug/l	99
4) Vinyl Chloride	2.202	62	65062	18.607	ug/l	97
5) Bromomethane	2.592	94	47976	20.117	ug/l	95
6) Chloroethane	2.732	64	43877	19.177	ug/l	96
7) Trichlorofluoromethane	3.056	101	89235	19.922	ug/l	100
8) Diethyl Ether	3.458	74	22185	18.213	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	48570	20.560	ug/l	98
10) Methyl Iodide	4.000	142	44798	17.285	ug/l	99
11) Tert butyl alcohol	4.866	59	12244	82.013	ug/l	95
12) 1,1-Dichloroethene	3.793	96	42906	19.282	ug/l	92
13) Acrolein	3.647	56	16463	60.392	ug/l	99
14) Allyl chloride	4.378	41	67265	18.959	ug/l	100
15) Acrylonitrile	5.055	53	45360	89.186	ug/l	99
16) Acetone	3.872	43	40290	85.648	ug/l	96
17) Carbon Disulfide	4.104	76	137006	18.693	ug/l	98
18) Methyl Acetate	4.391	43	20676	17.734	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	100727	18.182	ug/l	99
20) Methylene Chloride	4.616	84	49303	19.022	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	46460	18.963	ug/l	97
22) Diisopropyl ether	6.018	45	146797	19.724	ug/l	99
23) Vinyl Acetate	5.957	43	398090	91.434	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88158	19.810	ug/l	99
25) 2-Butanone	6.896	43	58346	86.838	ug/l	100
26) 2,2-Dichloropropane	6.884	77	79277	20.027	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53845	19.543	ug/l	98
28) Bromochloromethane	7.244	49	36923	19.673	ug/l	99
29) Tetrahydrofuran	7.262	42	37289	86.232	ug/l	99
30) Chloroform	7.421	83	91381	19.742	ug/l	98
31) Cyclohexane	7.701	56	79706	19.648	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	82677	19.763	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66538	20.193	ug/l	100
37) Ethyl Acetate	6.982	43	27198	17.489	ug/l	98
38) Carbon Tetrachloride	7.817	117	76509	20.272	ug/l	97
39) Methylcyclohexane	9.109	83	76412	19.412	ug/l	96
40) Benzene	8.079	78	195115	19.772	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	11393	13.795 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	54315	19.524 ug/l	99
43) Isopropyl Acetate	8.195	43	52154	17.697 ug/l	100
44) Trichloroethene	8.865	130	51288	20.398 ug/l	100
45) 1,2-Dichloropropane	9.140	63	46551	19.929 ug/l	93
46) Dibromomethane	9.231	93	25248	18.755 ug/l	99
47) Bromodichloromethane	9.420	83	68808	19.726 ug/l	97
48) Methyl methacrylate	9.219	41	23114	17.089 ug/l	96
49) 1,4-Dioxane	9.231	88	4846	336.031 ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	135987	88.669 ug/l	99
52) Toluene	10.170	92	123058	19.987 ug/l	98
53) t-1,3-Dichloropropene	10.396	75	59016	19.048 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	70388	19.257 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33954	19.599 ug/l	98
56) Ethyl methacrylate	10.438	69	40236	18.189 ug/l	98
57) 1,3-Dichloropropane	10.719	76	56667	18.940 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	102441	94.929 ug/l	99
59) 2-Hexanone	10.761	43	87999	86.157 ug/l	99
60) Dibromochloromethane	10.908	129	45764	19.348 ug/l	98
61) 1,2-Dibromoethane	11.011	107	31019	19.087 ug/l	98
64) Tetrachloroethene	10.646	164	57226	21.437 ug/l	100
65) Chlorobenzene	11.444	112	132663	19.745 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	48189	20.215 ug/l	99
67) Ethyl Benzene	11.517	91	225955	19.612 ug/l	100
68) m/p-Xylenes	11.627	106	172512	39.102 ug/l	100
69) o-Xylene	11.956	106	80655	19.805 ug/l	98
70) Styrene	11.969	104	133338	19.637 ug/l	99
71) Bromoform	12.133	173	25637	18.854 ug/l #	100
73) Isopropylbenzene	12.255	105	212669	18.738 ug/l	99
74) N-amyl acetate	12.072	43	42780	16.060 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	34853	17.080 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	48429	31.972 ug/l #	100
77) Bromobenzene	12.529	156	51842	19.024 ug/l	97
78) n-propylbenzene	12.597	91	266033	19.496 ug/l	100
79) 2-Chlorotoluene	12.682	91	151959	19.174 ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	175739	18.945 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10734	16.328 ug/l	94
82) 4-Chlorotoluene	12.779	91	157038	19.006 ug/l	99
83) tert-Butylbenzene	12.999	119	153946	18.633 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	175765	19.171 ug/l	100
85) sec-Butylbenzene	13.176	105	233999	19.380 ug/l	100
86) p-Isopropyltoluene	13.292	119	193222	19.362 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	101973	18.993 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	100243	18.898 ug/l	97
89) n-Butylbenzene	13.621	91	176297	19.102 ug/l	98
90) Hexachloroethane	13.877	117	42163	19.280 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	89291	19.105 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5533	17.494 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	45347	17.892 ug/l	98
94) Hexachlorobutadiene	15.023	225	30393	19.201 ug/l	98
95) Naphthalene	15.145	128	66390	15.803 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38305	17.723 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

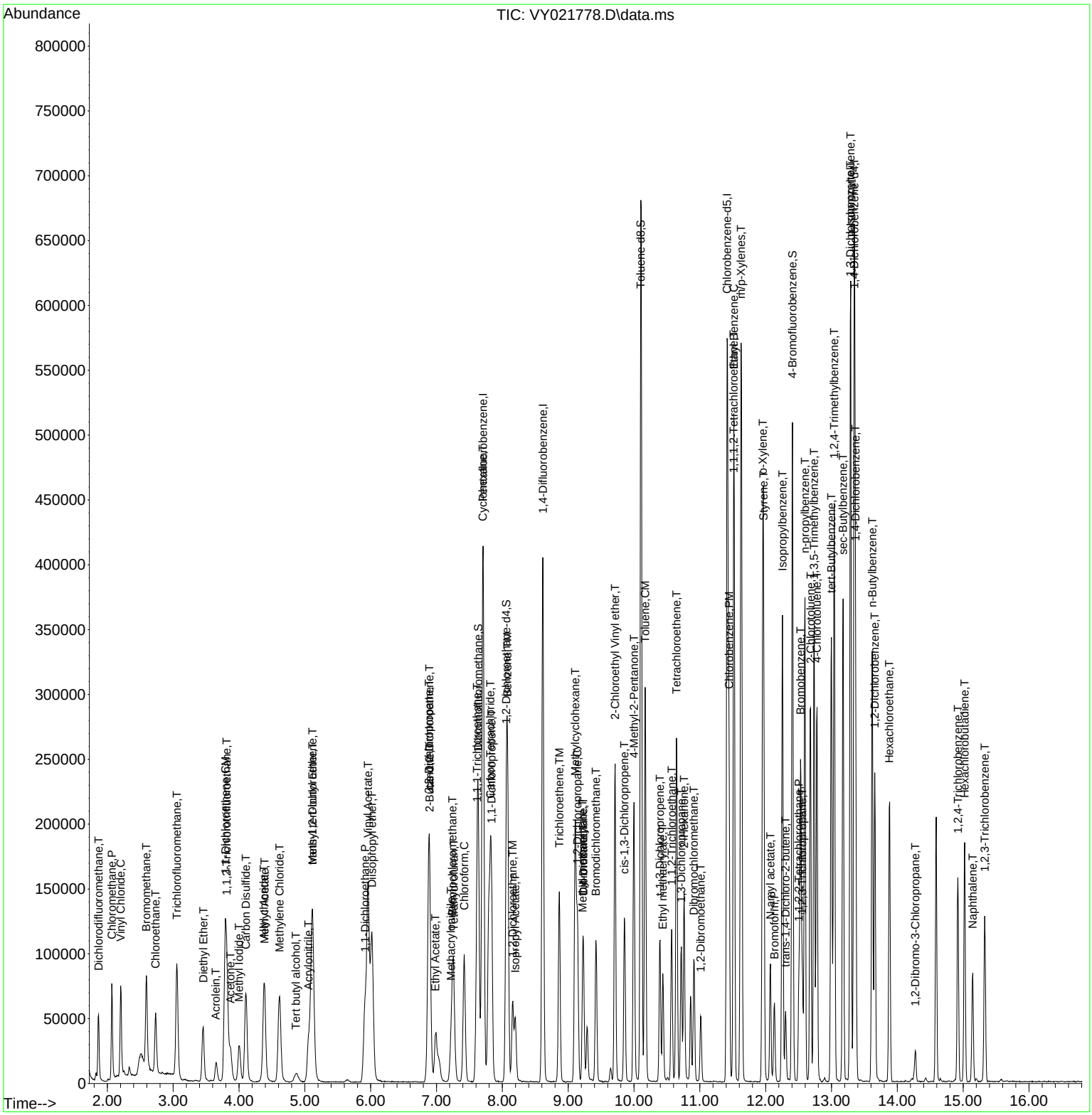
(#) = qualifier out of range (m) = manual integration (+) = signals summed

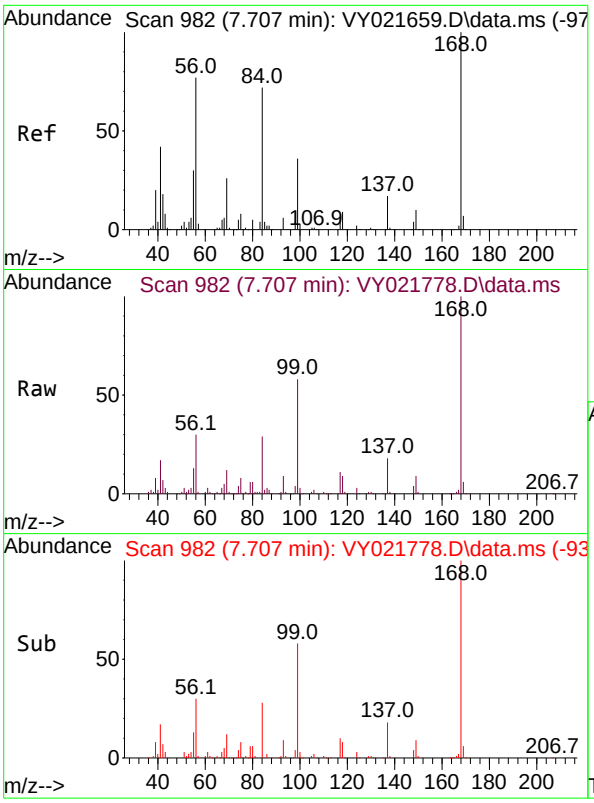
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021778.D
Acq On : 04 Apr 2025 10:26
Operator : SY/MD
Sample : VY0404SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Quant Time: Apr 04 23:38:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



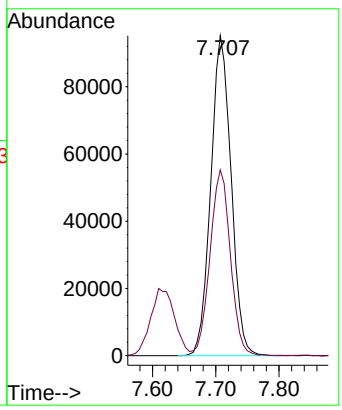


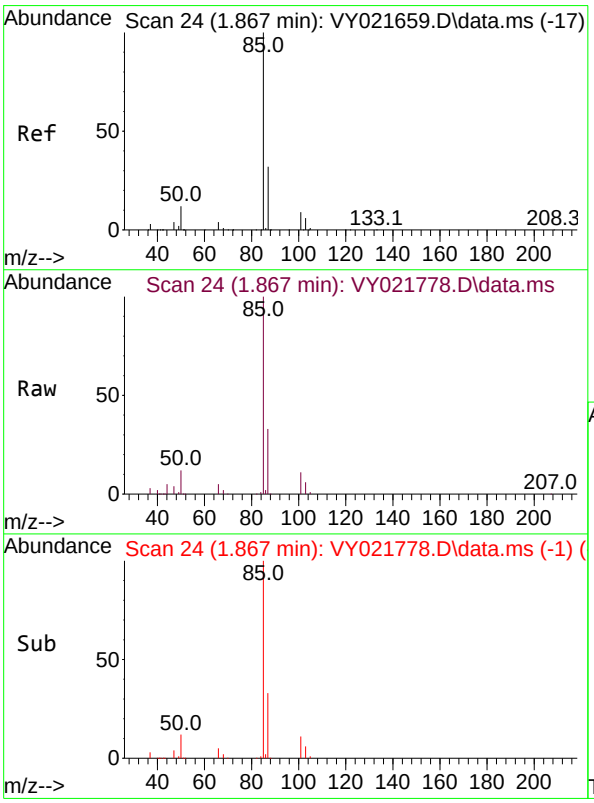
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:168 Resp: 212143

Ion	Ratio	Lower	Upper
168	100		
99	58.0	46.7	70.1

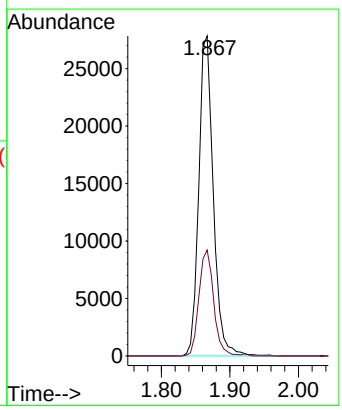


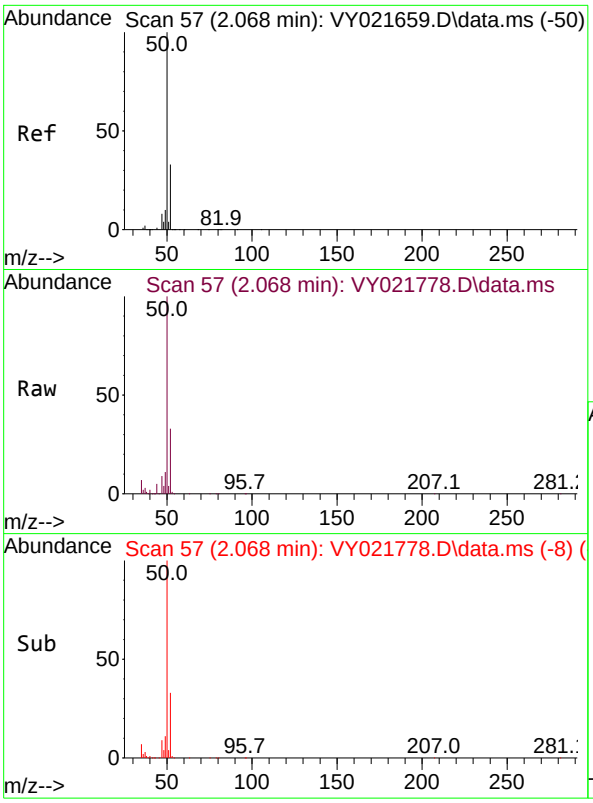


#2
Dichlorodifluoromethane
Concen: 18.712 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 85 Resp: 41144

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6



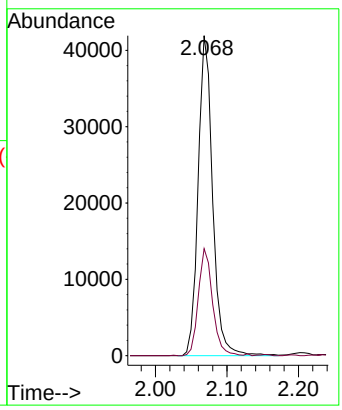


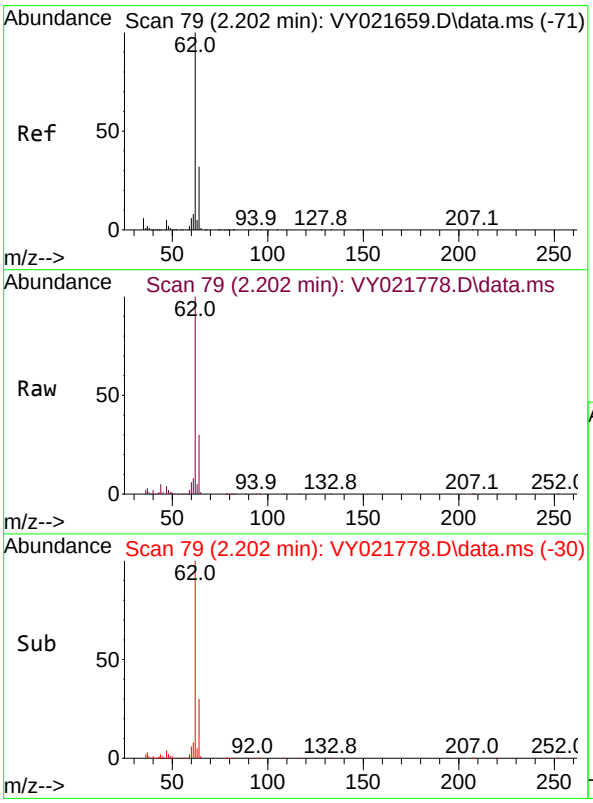
#3
Chloromethane
Concen: 19.068 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 50 Resp: 58954

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.3	39.5

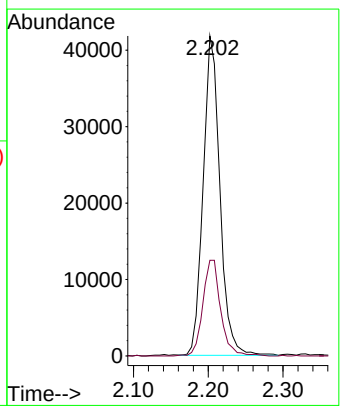


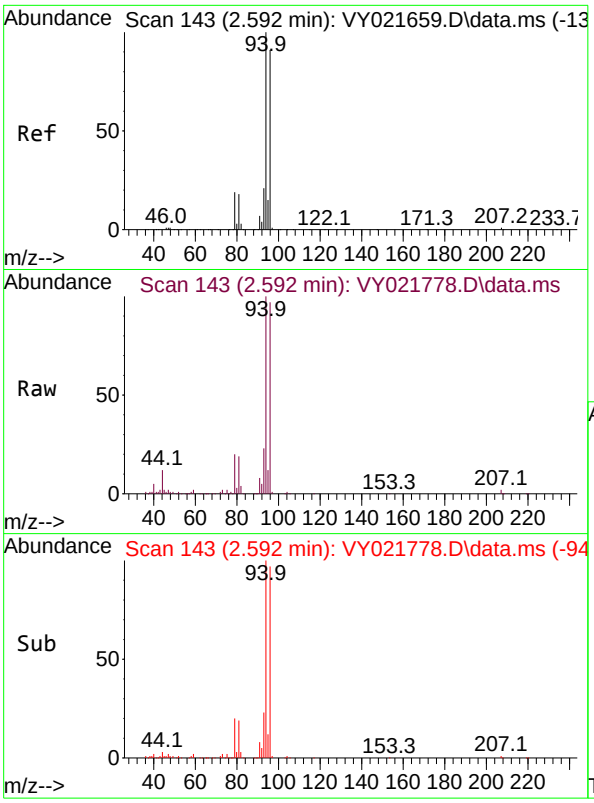


#4
Vinyl Chloride
Concen: 18.607 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 62 Resp: 65062

Ion	Ratio	Lower	Upper
62	100		
64	30.0	25.5	38.3



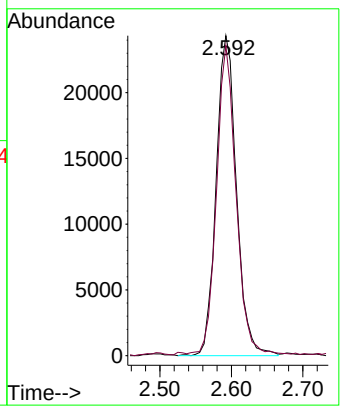


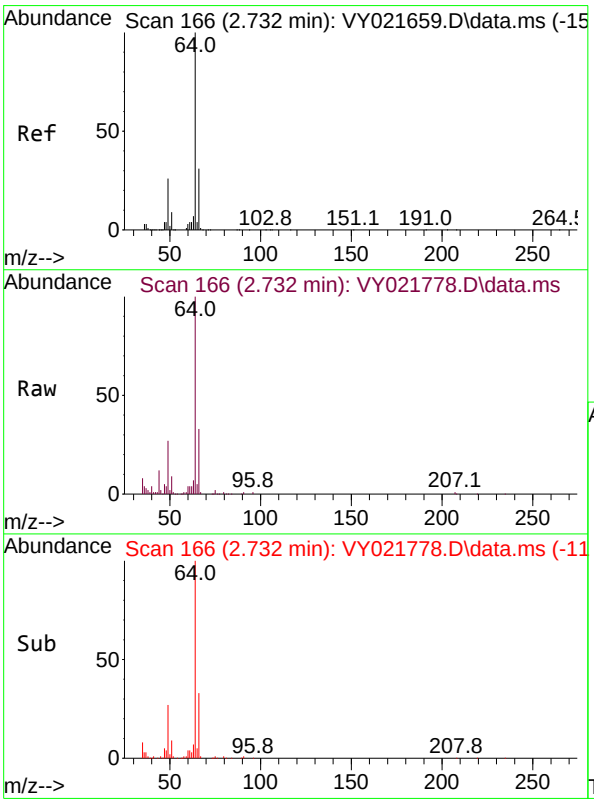
#5
Bromomethane
Concen: 20.117 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 94 Resp: 47976

Ion	Ratio	Lower	Upper
94	100		
96	96.1	72.8	109.2

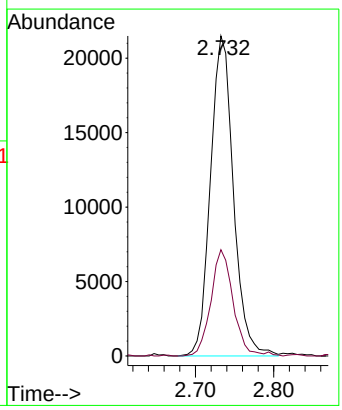


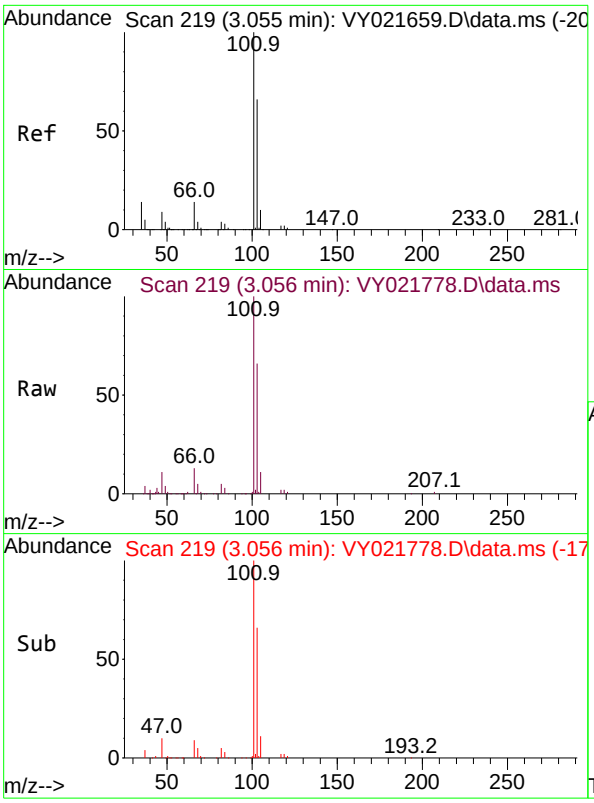


#6
Chloroethane
Concen: 19.177 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 64 Resp: 43877

Ion	Ratio	Lower	Upper
64	100		
66	33.2	24.9	37.3



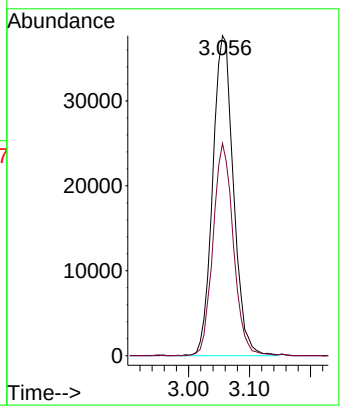


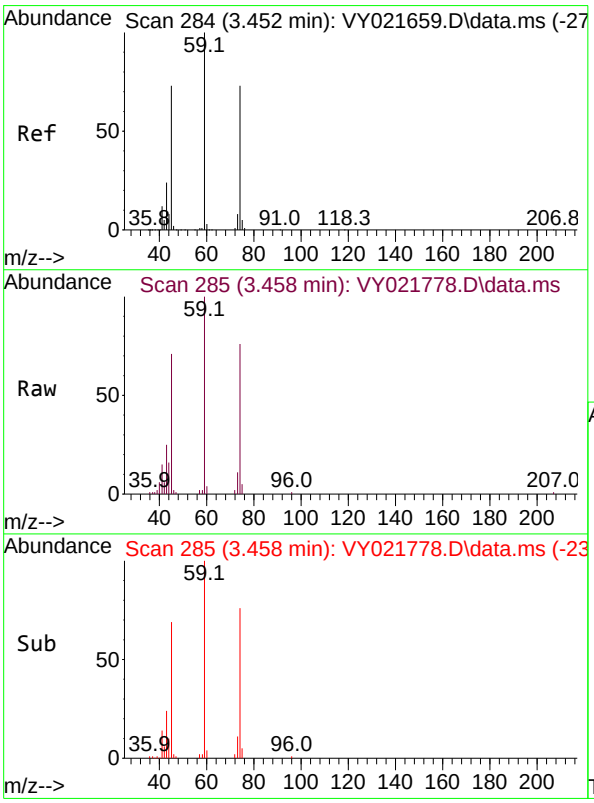
#7
Trichlorofluoromethane
Concen: 19.922 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:101 Resp: 89235

Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.1	79.7

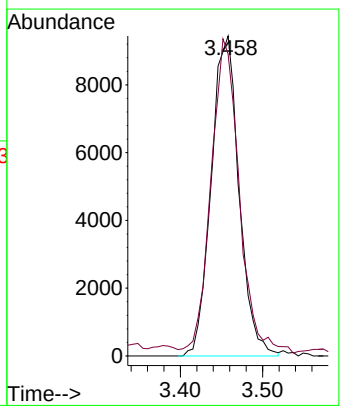


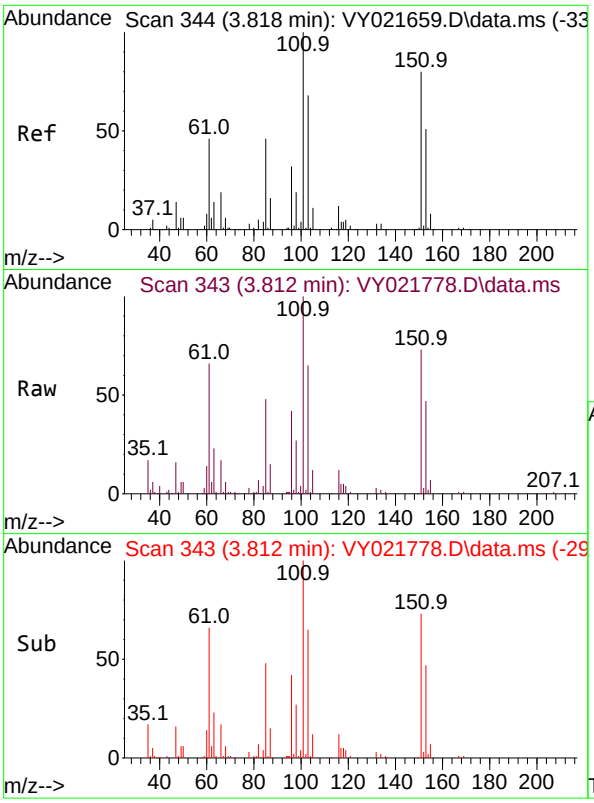


#8
Diethyl Ether
Concen: 18.213 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 74 Resp: 22185

Ion	Ratio	Lower	Upper
74	100		
45	98.2	48.6	145.8



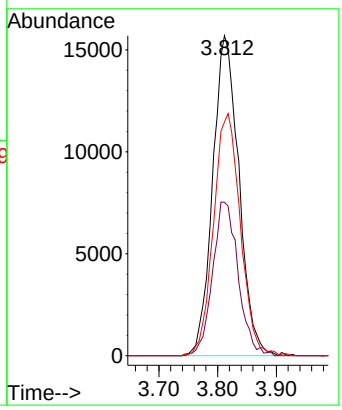


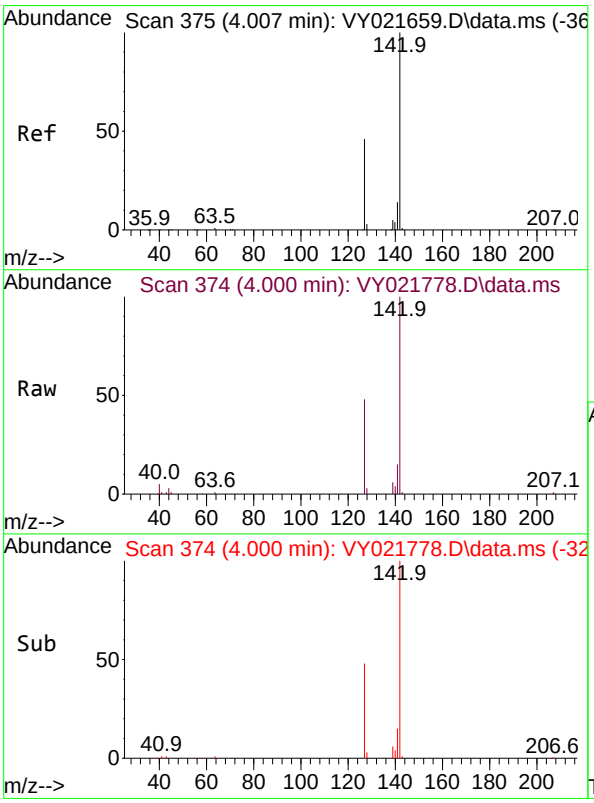
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.560 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:101 Resp: 48570

Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.3	54.5
151	77.7	61.3	91.9

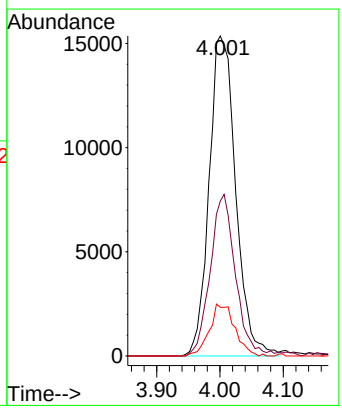


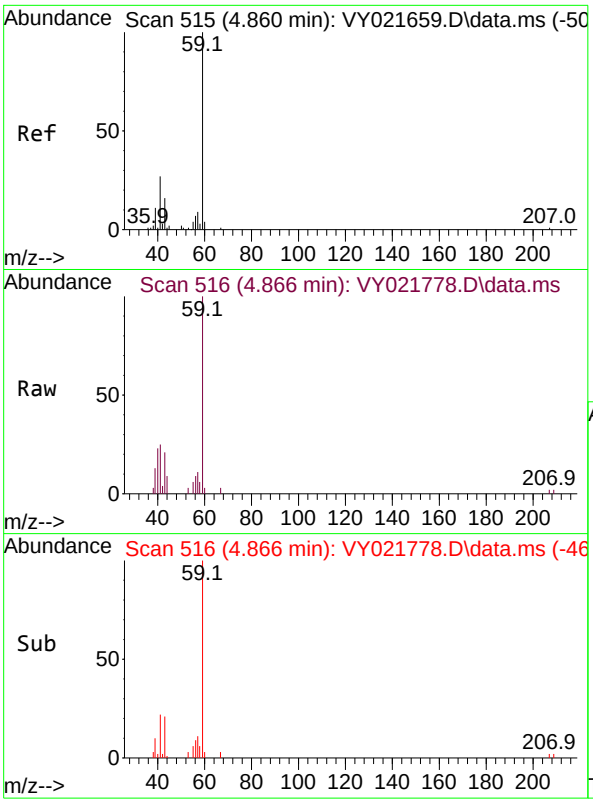


#10
Methyl Iodide
Concen: 17.285 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:142 Resp: 44798

Ion	Ratio	Lower	Upper
142	100		
127	48.1	38.7	58.1
141	15.4	11.5	17.3



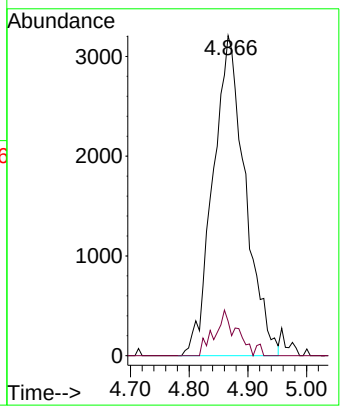


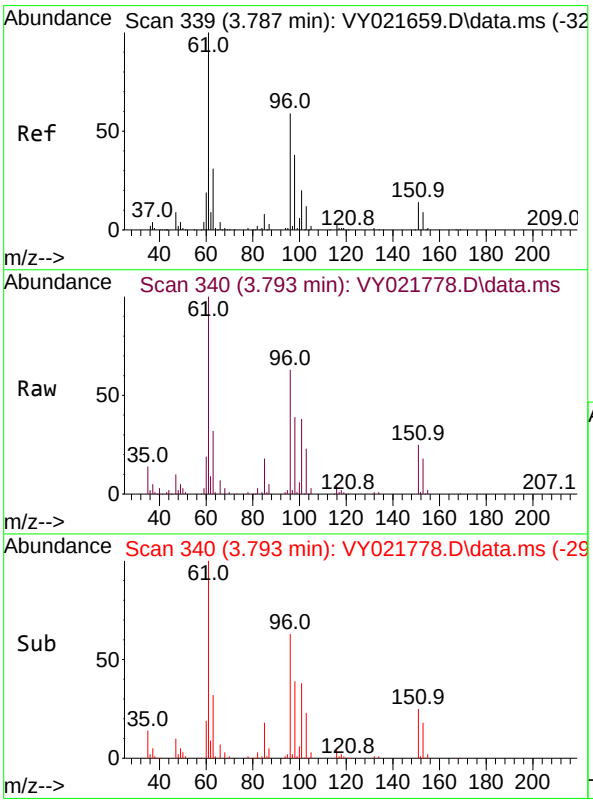
#11
Tert butyl alcohol
Concen: 82.013 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 59 Resp: 12244

Ion	Ratio	Lower	Upper
59	100		
57	9.5	9.2	13.8

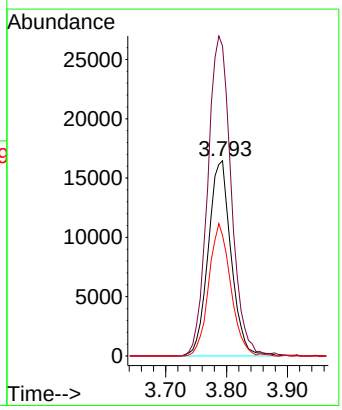


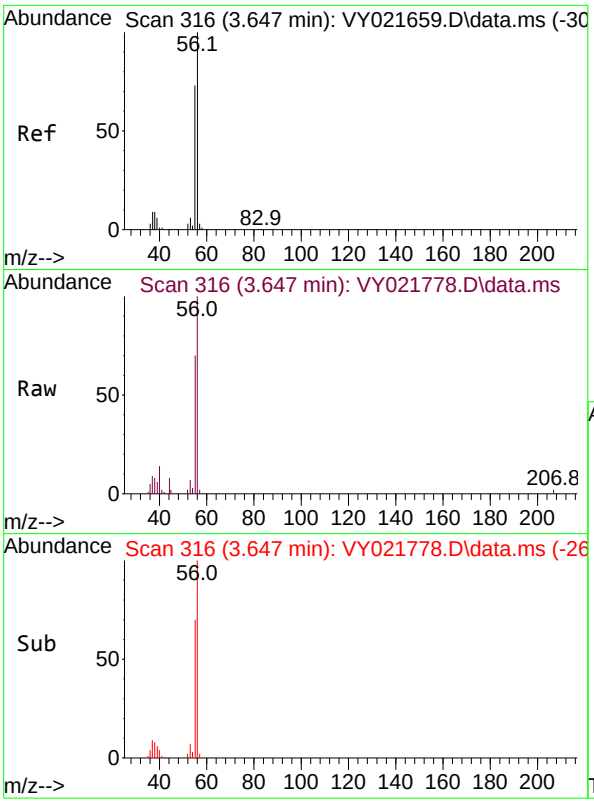


#12
1,1-Dichloroethene
Concen: 19.282 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 96 Resp: 42906

Ion	Ratio	Lower	Upper
96	100		
61	158.8	136.6	204.8
98	61.7	52.3	78.5



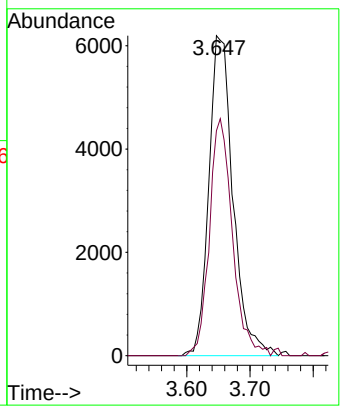


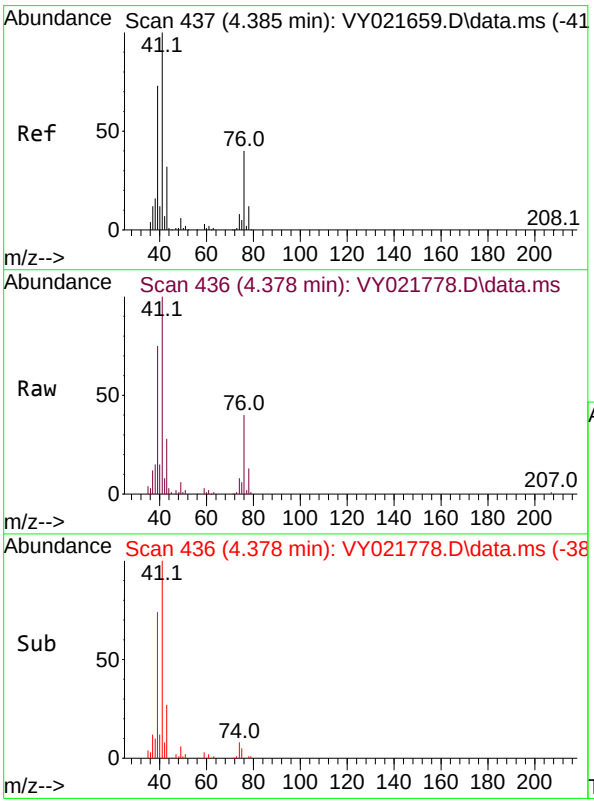
#13
Acrolein
Concen: 60.392 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 56 Resp: 16463

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.6	85.0

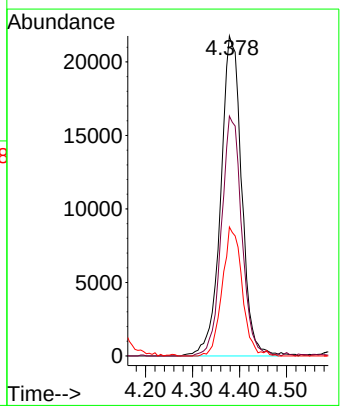


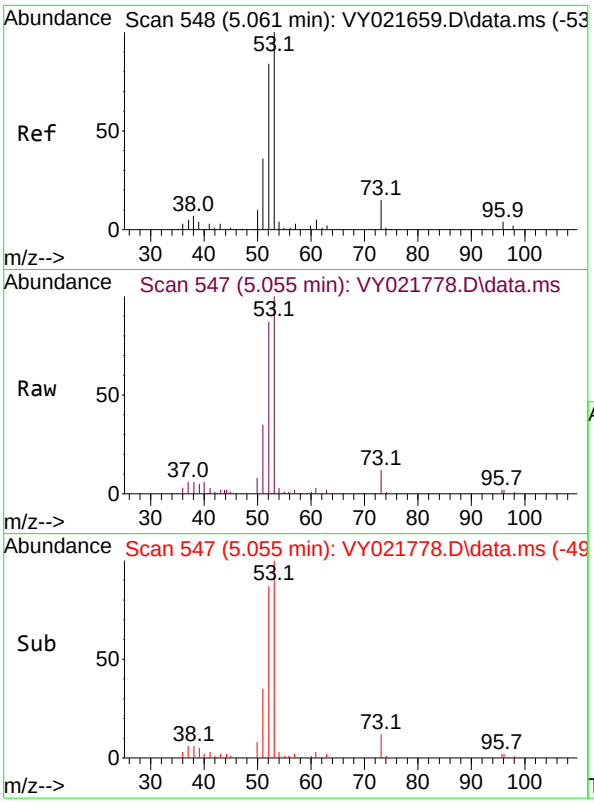


#14
Allyl chloride
Concen: 18.959 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 41 Resp: 67265

Ion	Ratio	Lower	Upper
41	100		
39	73.1	58.6	88.0
76	38.4	30.3	45.5



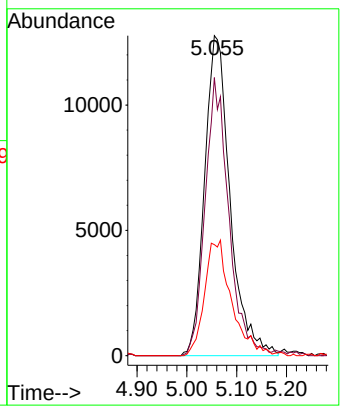


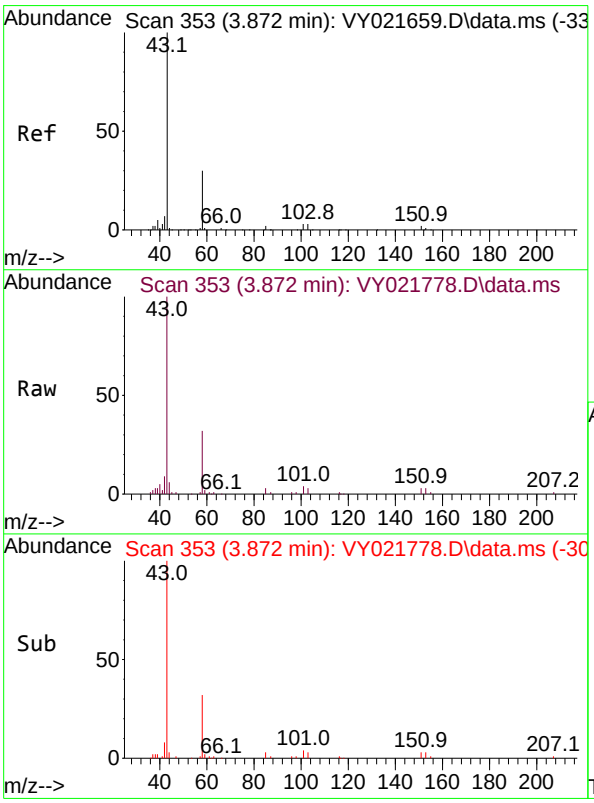
#15
Acrylonitrile
Concen: 89.186 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 53 Resp: 45360

Ion	Ratio	Lower	Upper
53	100		
52	80.4	64.9	97.3
51	38.2	30.2	45.2

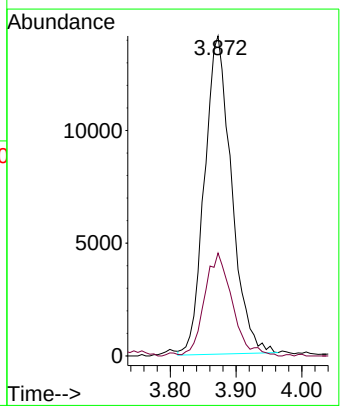


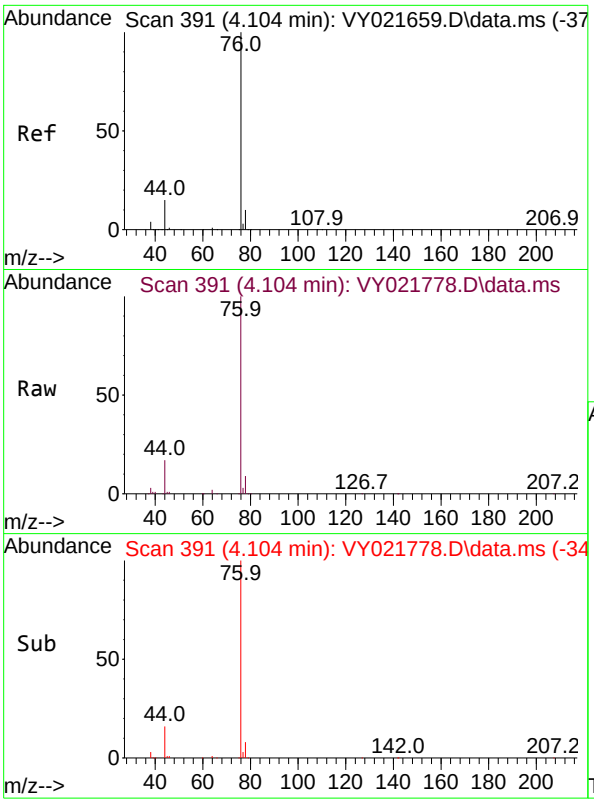


#16
Acetone
Concen: 85.648 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 40290

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.2	36.4



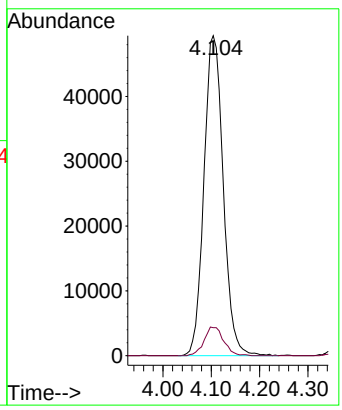


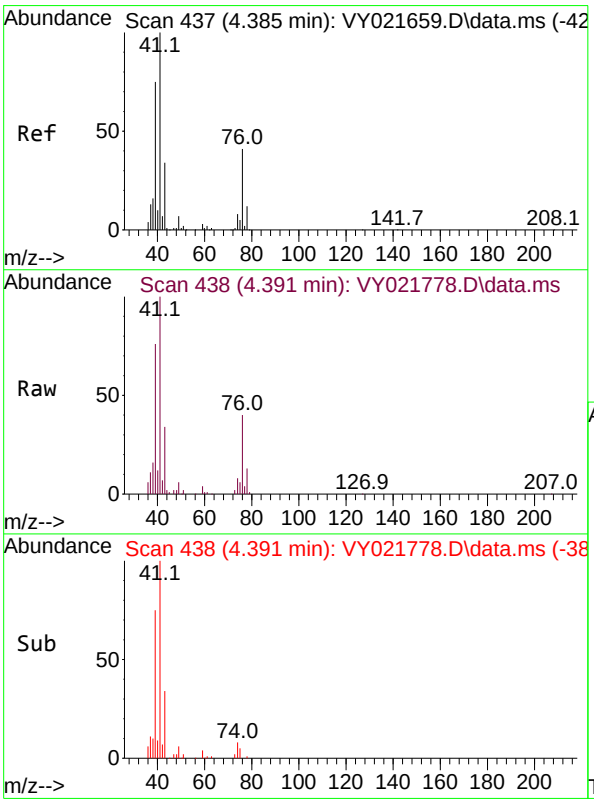
#17
Carbon Disulfide
Concen: 18.693 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 76 Resp: 137006

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

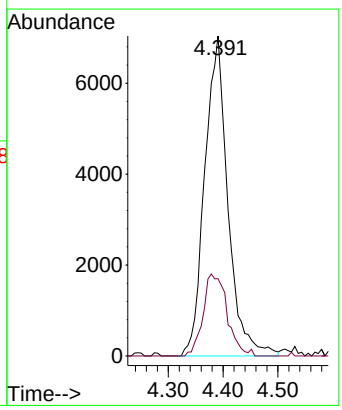


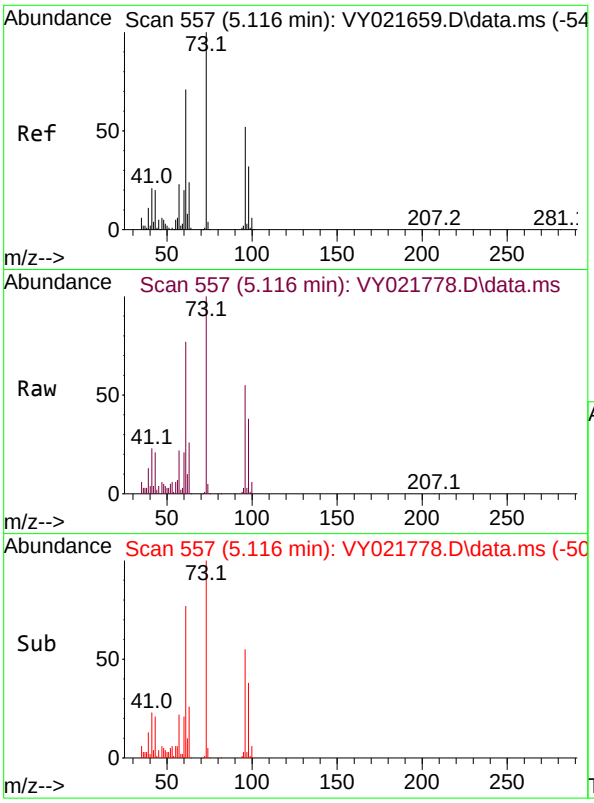


#18
Methyl Acetate
Concen: 17.734 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 20676

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.1	28.7



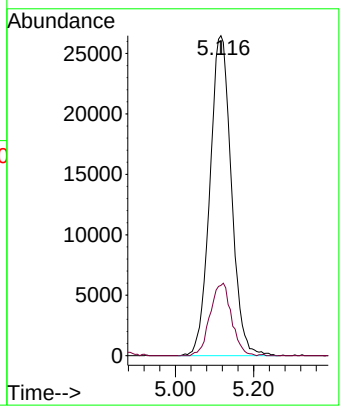


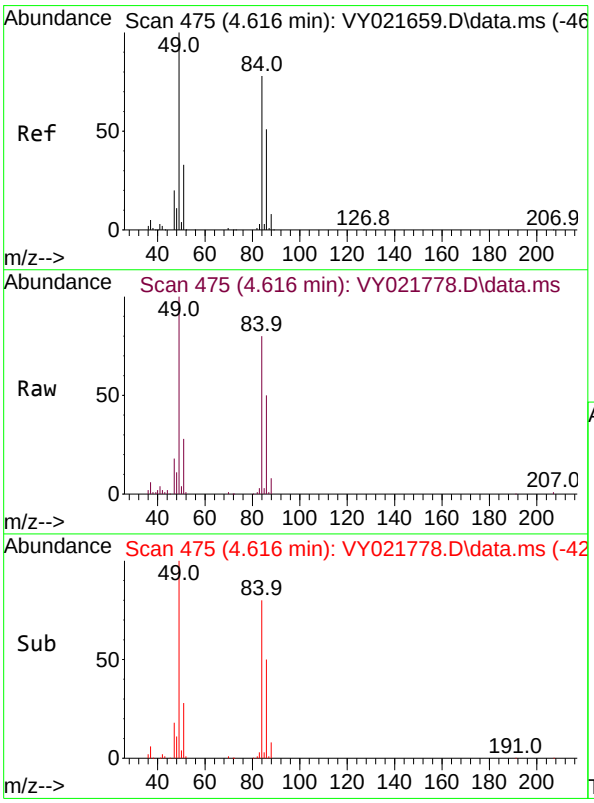
#19
Methyl tert-butyl Ether
Concen: 18.182 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 73 Resp: 100727

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.1	27.1

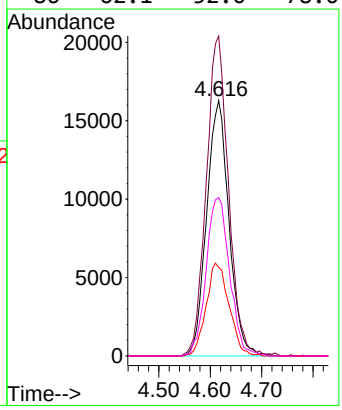


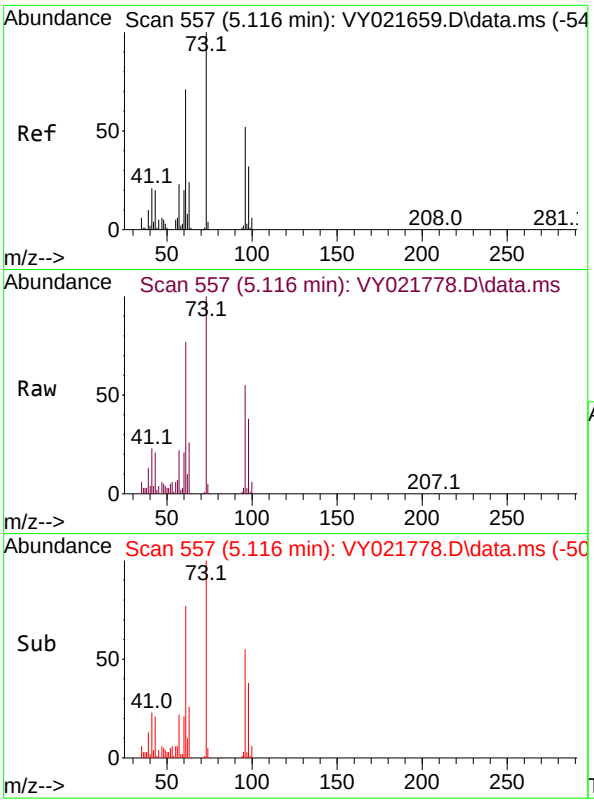


#20
Methylene Chloride
Concen: 19.022 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 84 Resp: 49303

Ion	Ratio	Lower	Upper
84	100		
49	125.3	102.8	154.2
51	34.7	33.5	50.3
86	62.1	52.0	78.0



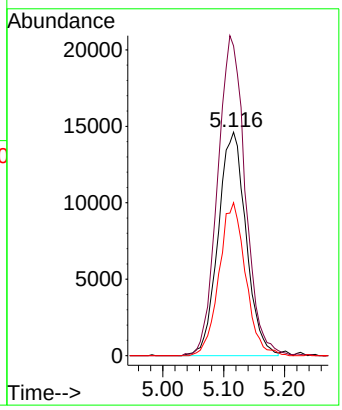


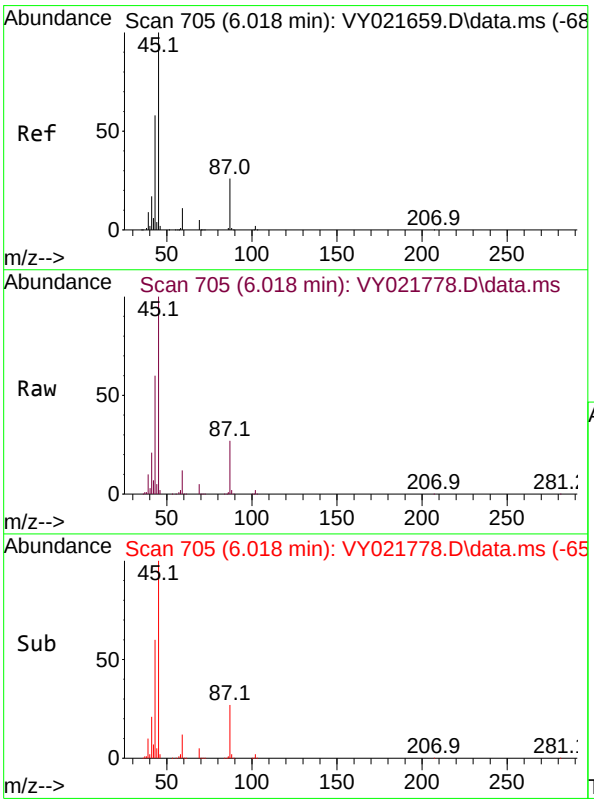
#21
trans-1,2-Dichloroethene
Concen: 18.963 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 96 Resp: 46460

Ion	Ratio	Lower	Upper
96	100		
61	138.6	109.4	164.0
98	68.4	50.2	75.2

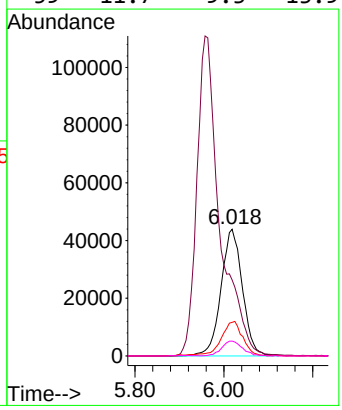


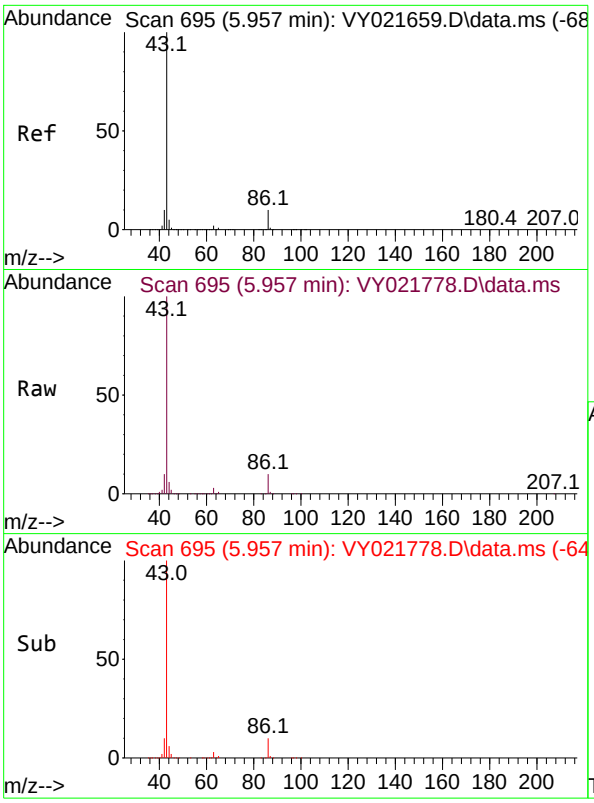


#22
Diisopropyl ether
Concen: 19.724 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 45 Resp: 146797

Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.6	69.8
87	26.3	20.7	31.1
59	11.7	9.3	13.9



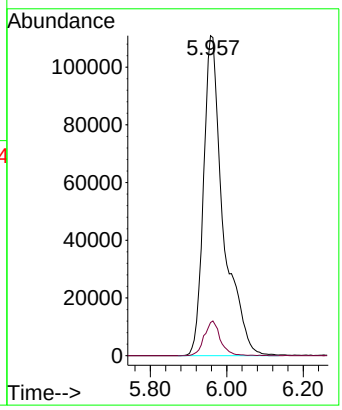


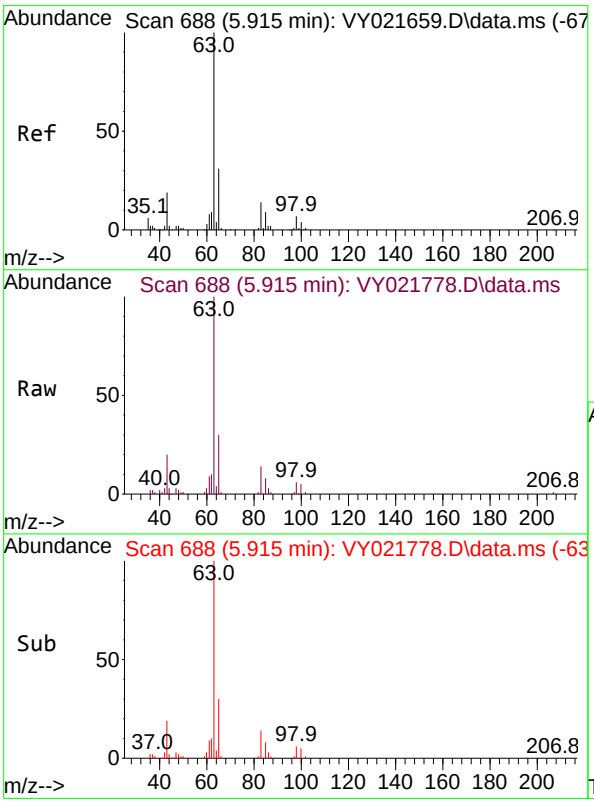
#23
Vinyl Acetate
Concen: 91.434 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 43 Resp: 398090

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2

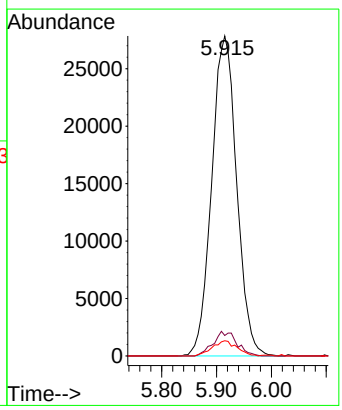


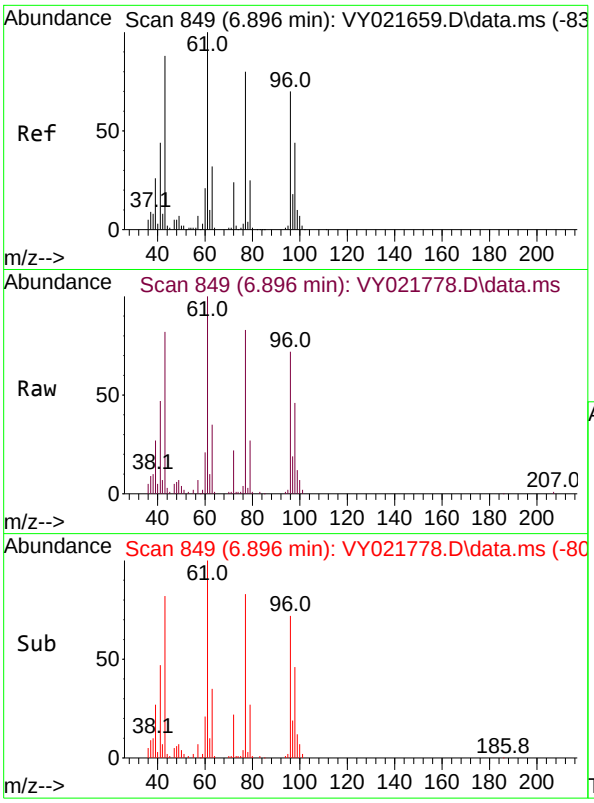


#24
1,1-Dichloroethane
Concen: 19.810 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 63 Resp: 88158

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.7	2.2	6.6



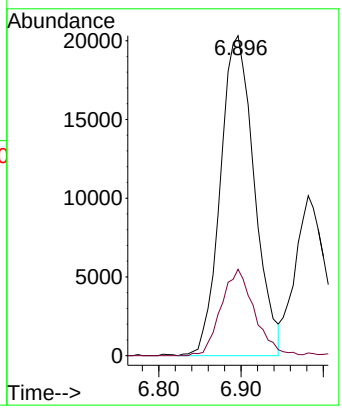


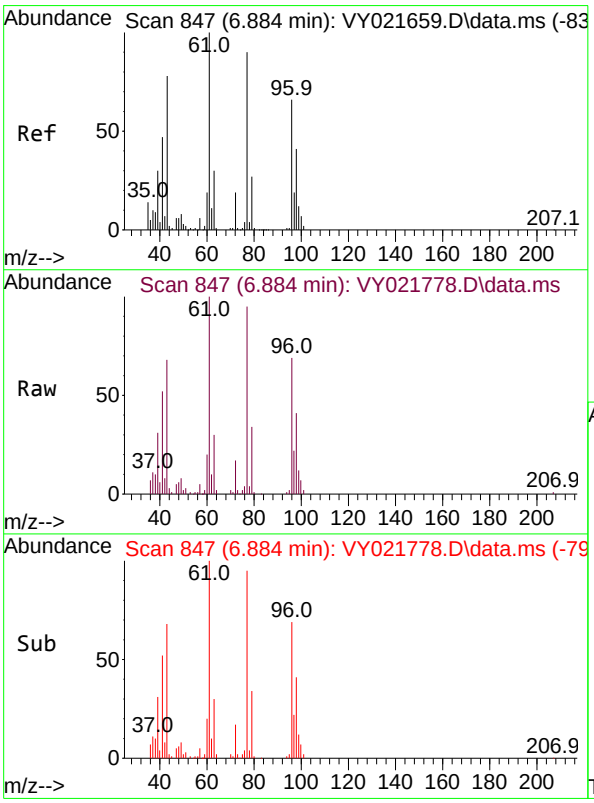
#25
2-Butanone
Concen: 86.838 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 43 Resp: 58346

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.4	32.2

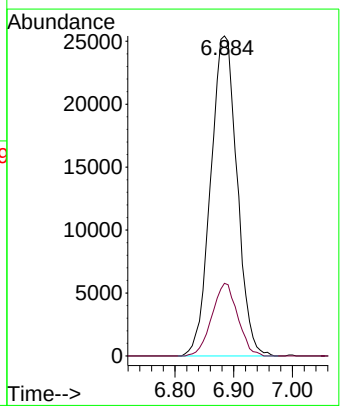


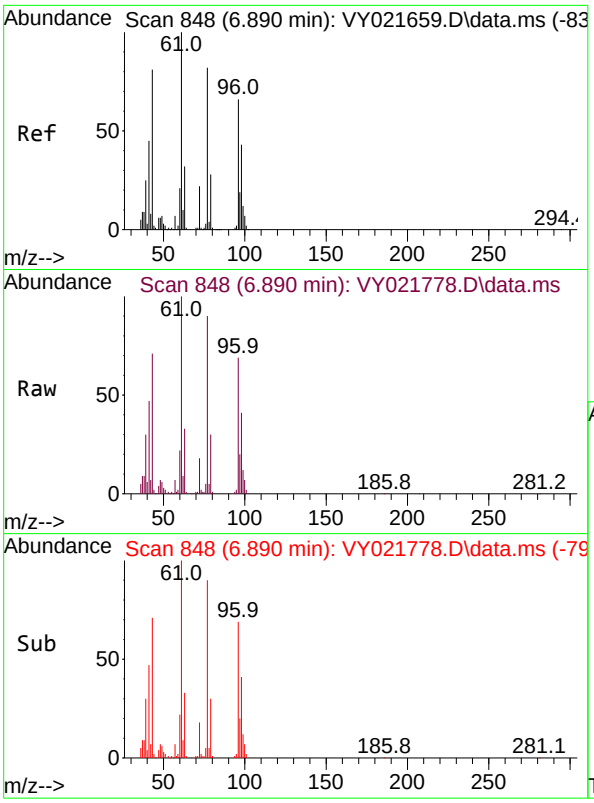


#26
2,2-Dichloropropane
Concen: 20.027 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 77 Resp: 79277

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.1



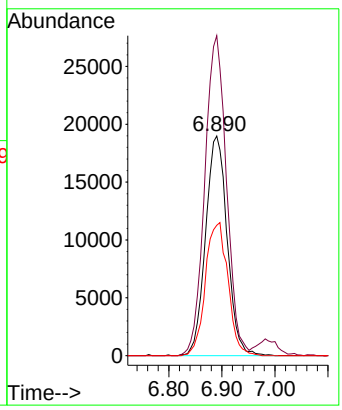


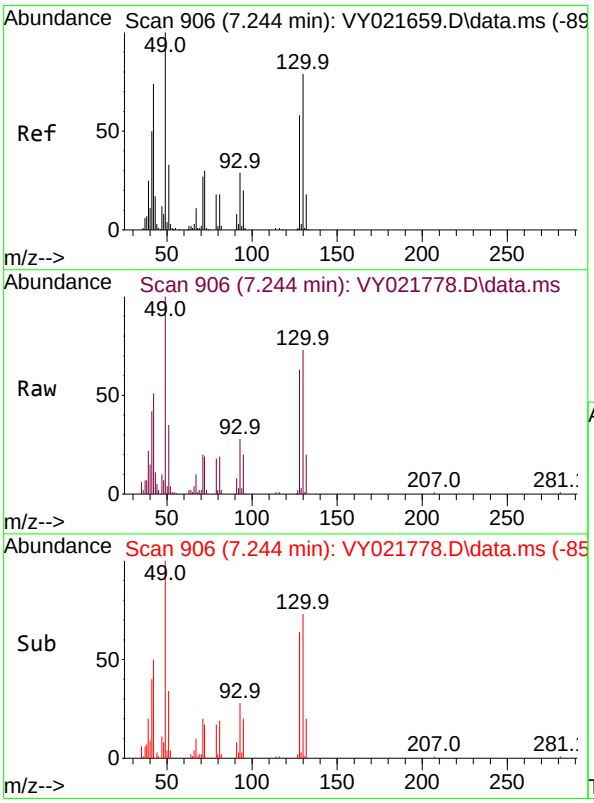
#27
cis-1,2-Dichloroethene
Concen: 19.543 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 96 Resp: 53845

Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	296.4
98	63.1	0.0	128.0

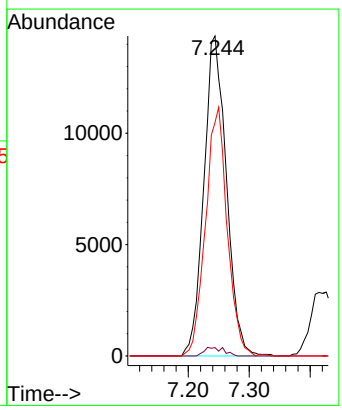


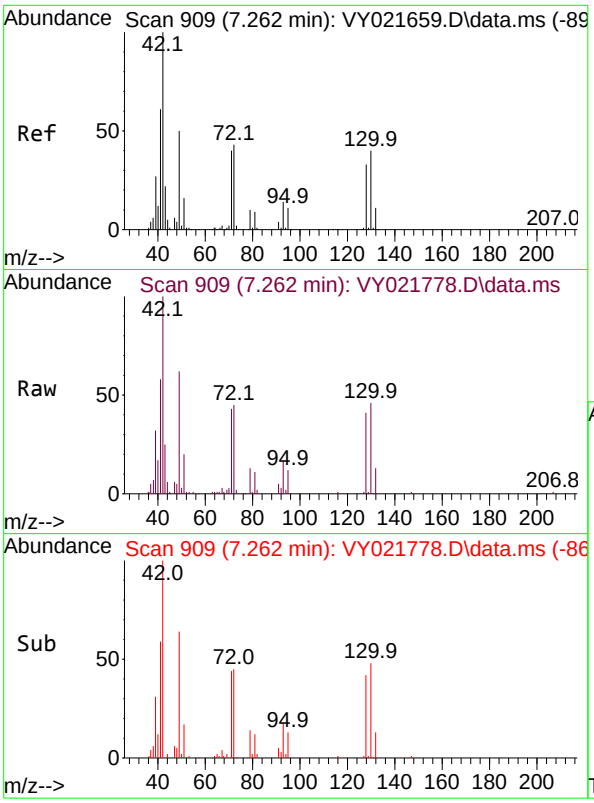


#28
Bromochloromethane
Concen: 19.673 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 49 Resp: 36923

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	74.5	60.1	90.1



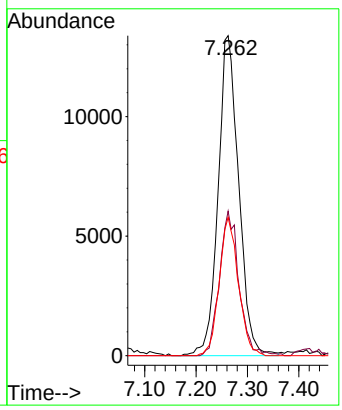


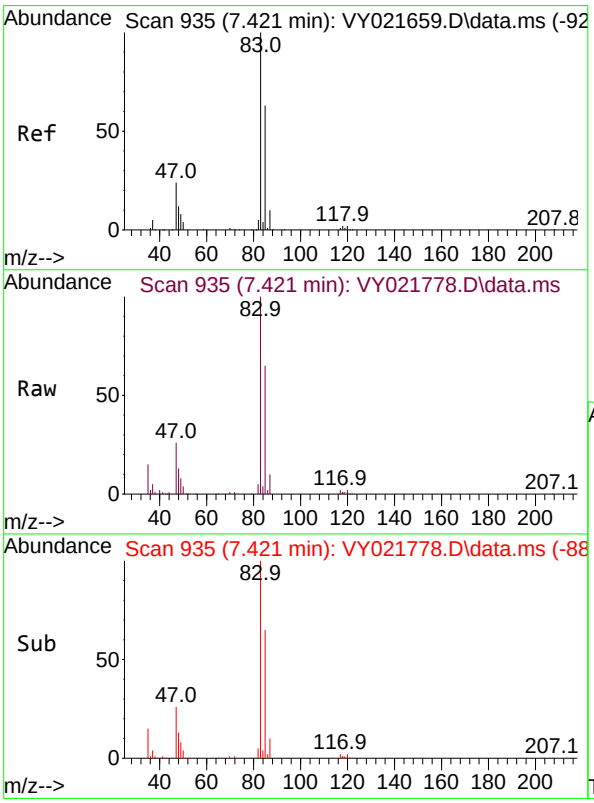
#29
Tetrahydrofuran
Concen: 86.232 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 42 Resp: 37289

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.6	52.0
71	40.2	32.5	48.7

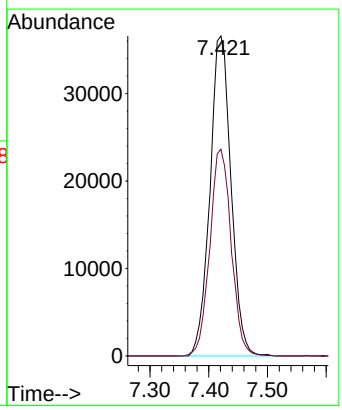


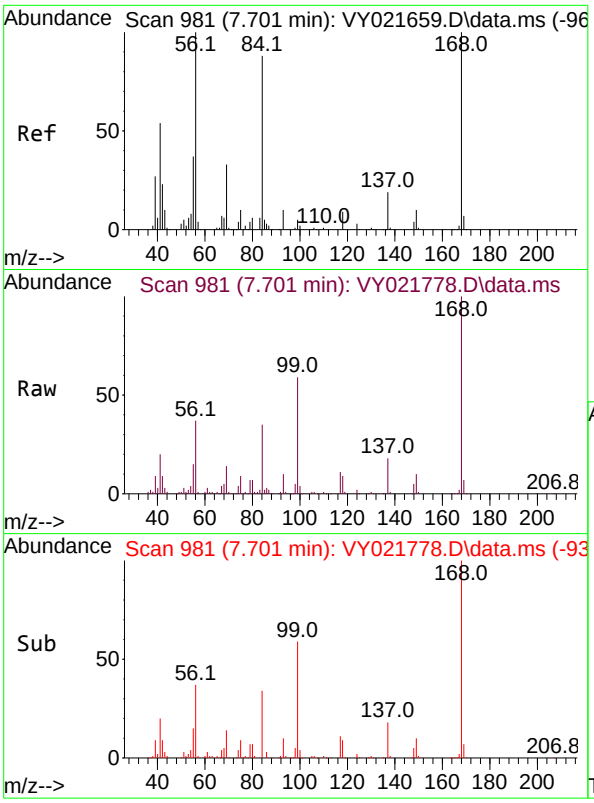


#30
Chloroform
Concen: 19.742 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 83 Resp: 91381

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8



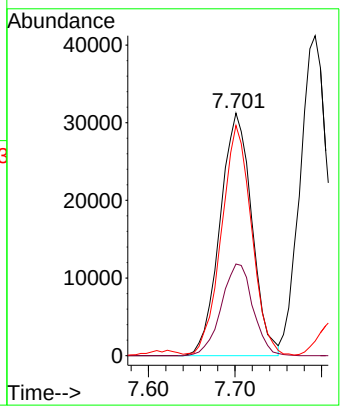


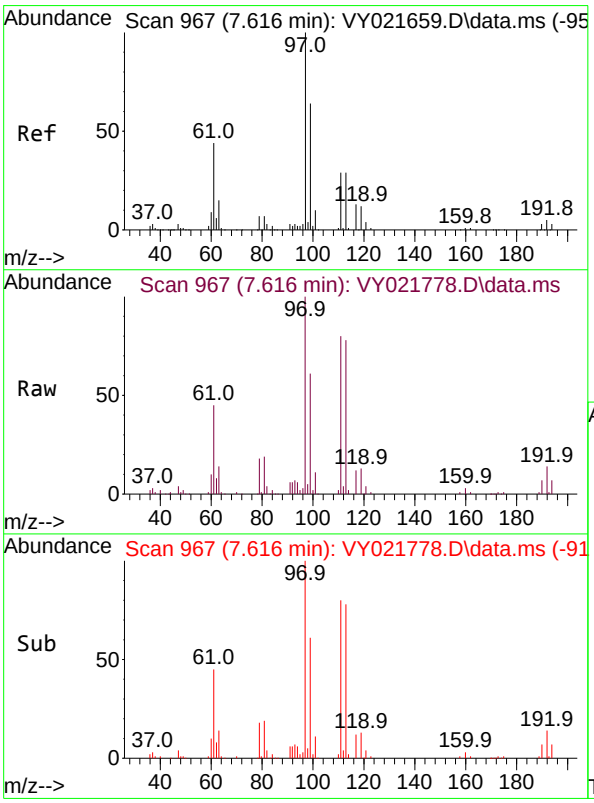
#31
Cyclohexane
Concen: 19.648 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 56 Resp: 79706

Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.6	40.0
84	93.6	69.0	103.4

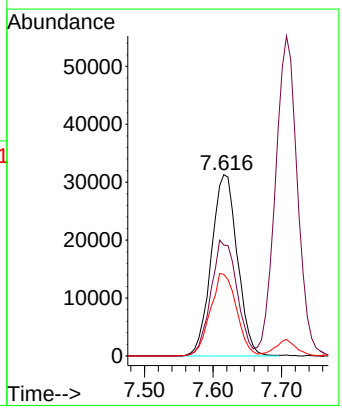


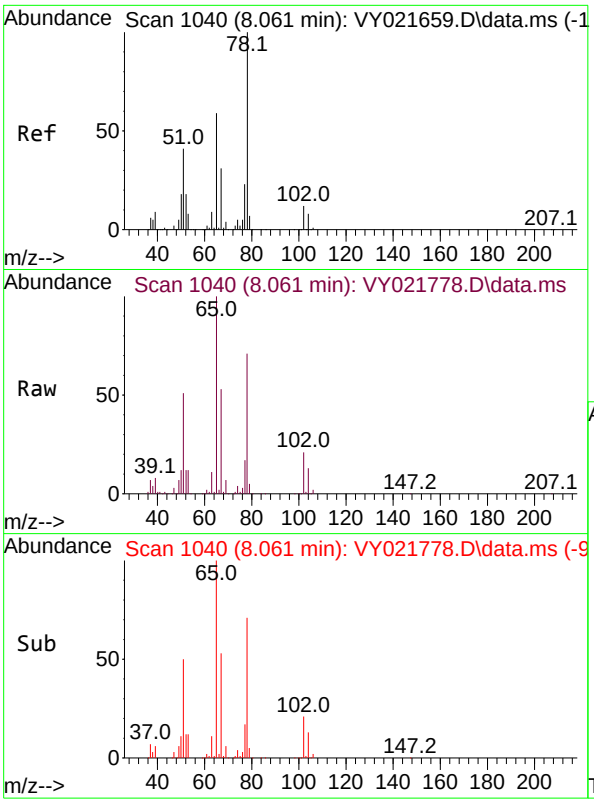


#32
1,1,1-Trichloroethane
Concen: 19.763 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 97 Resp: 82677

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.7	76.1
61	45.6	35.2	52.8



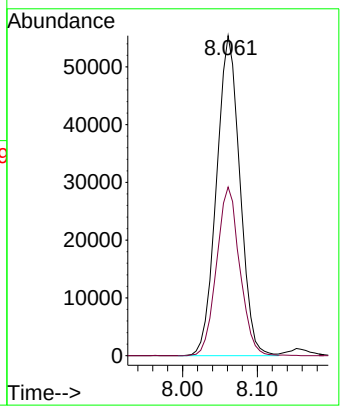


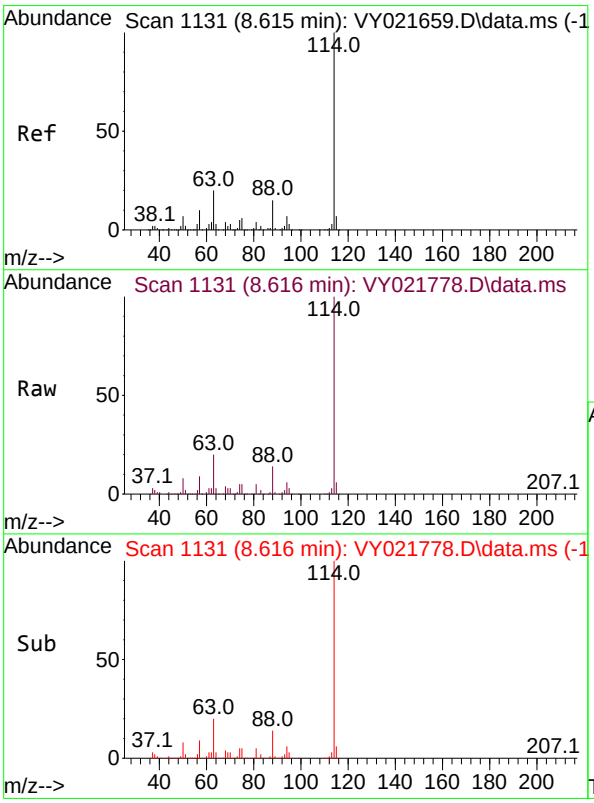
#33
1,2-Dichloroethane-d4
Concen: 52.418 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 65 Resp: 120482

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6

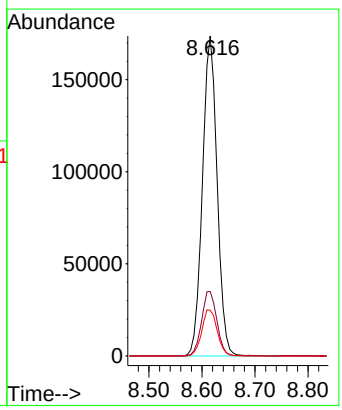


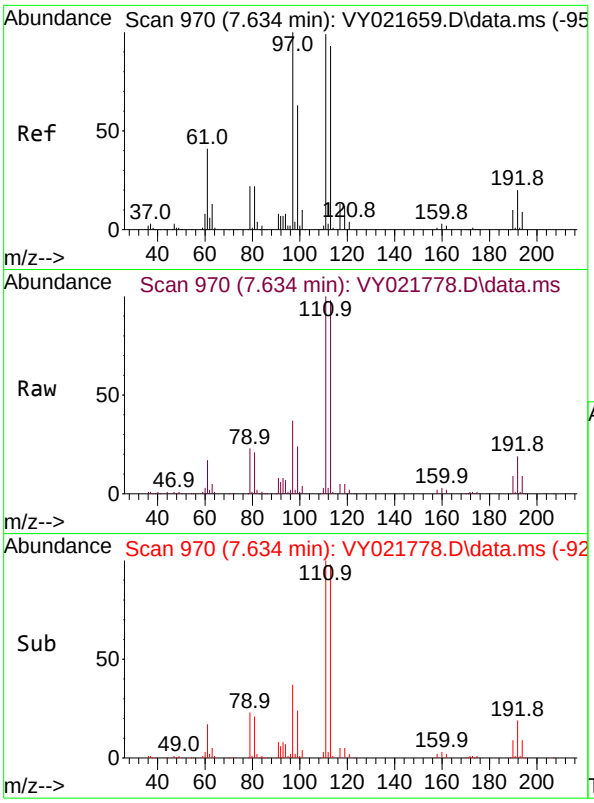


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:114 Resp: 333501

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.2
88	14.3	0.0	29.8



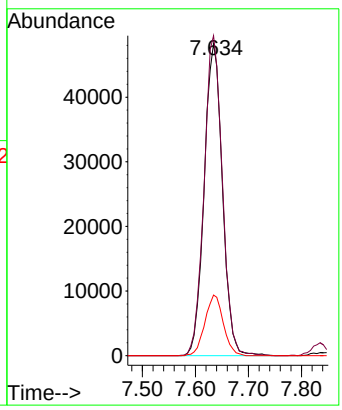


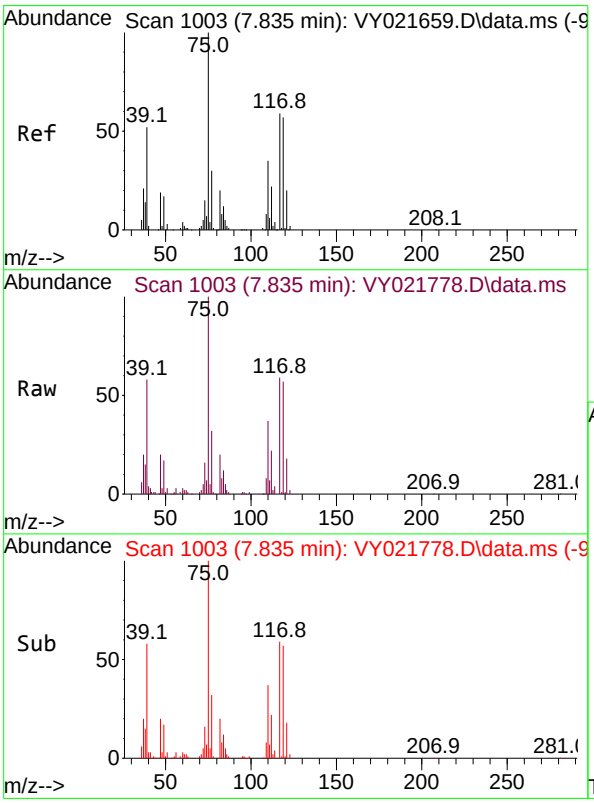
#35
Dibromofluoromethane
Concen: 53.318 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:113 Resp: 115347

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	19.6	16.2	24.4

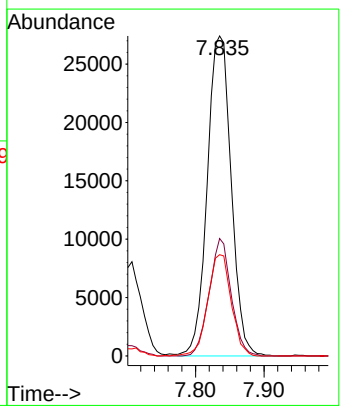


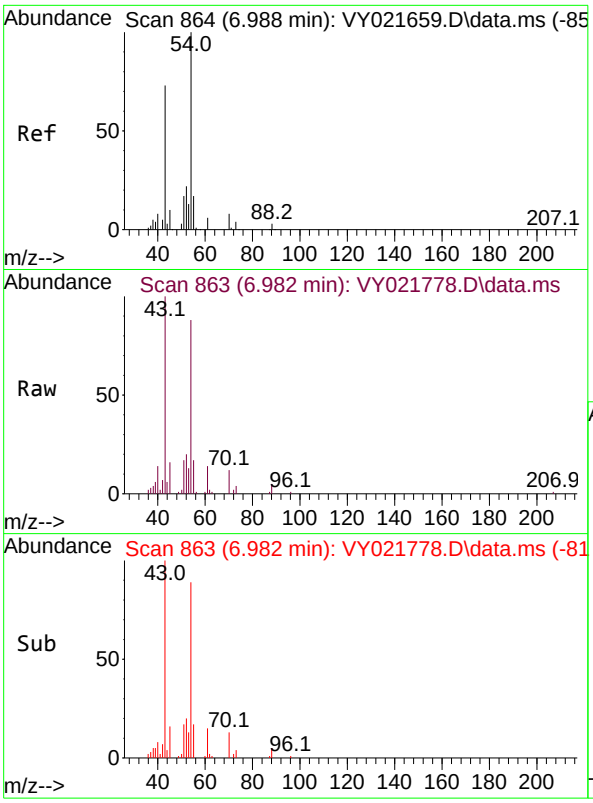


#36
1,1-Dichloropropene
Concen: 20.193 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 66538

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.0	50.9
77	31.1	24.8	37.2



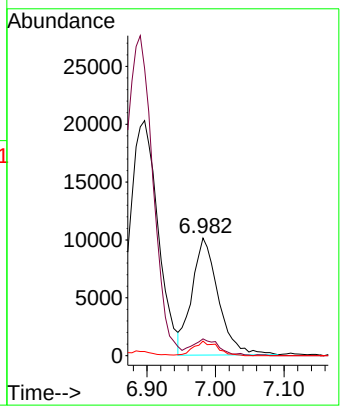


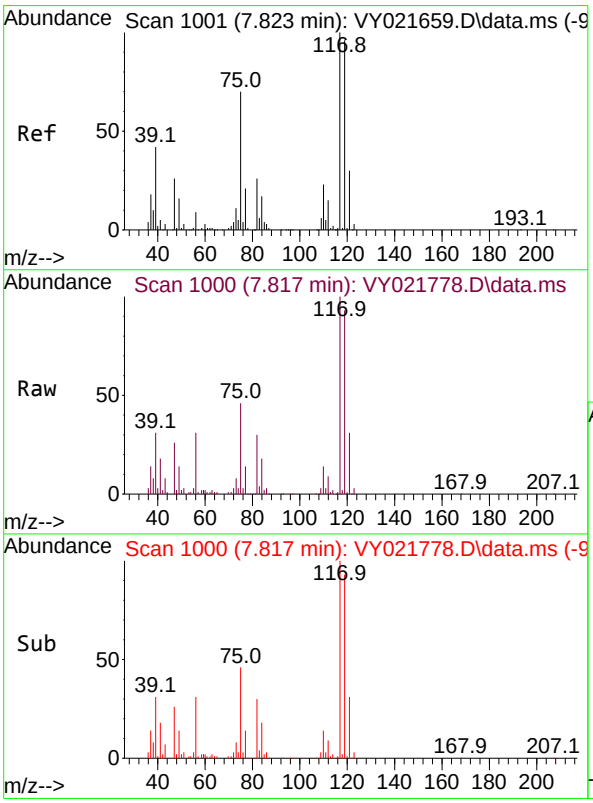
#37
Ethyl Acetate
Concen: 17.489 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 43 Resp: 27198

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	11.0	8.1	12.1

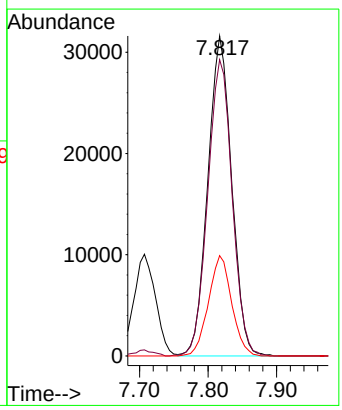


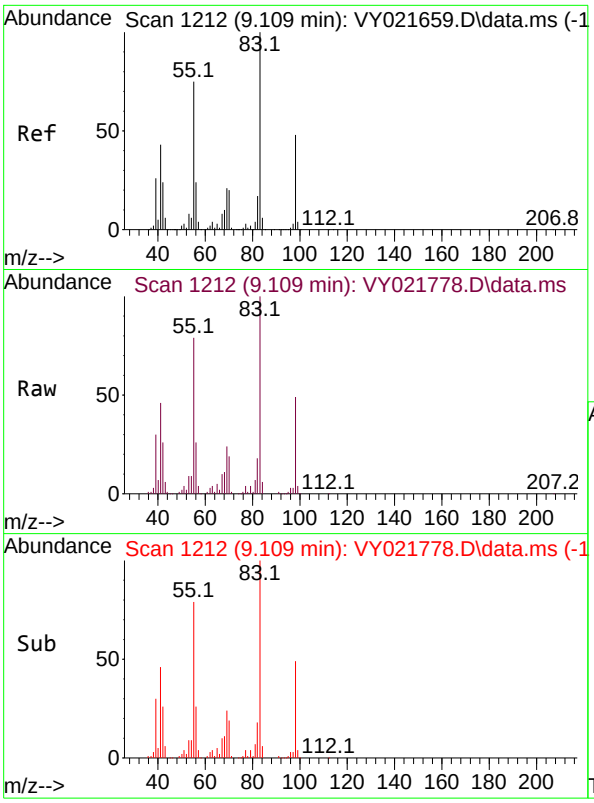


#38
Carbon Tetrachloride
Concen: 20.272 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:117 Resp: 76509

Ion	Ratio	Lower	Upper
117	100		
119	92.6	76.2	114.4
121	31.4	24.2	36.4



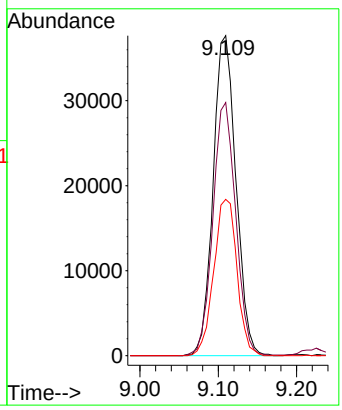


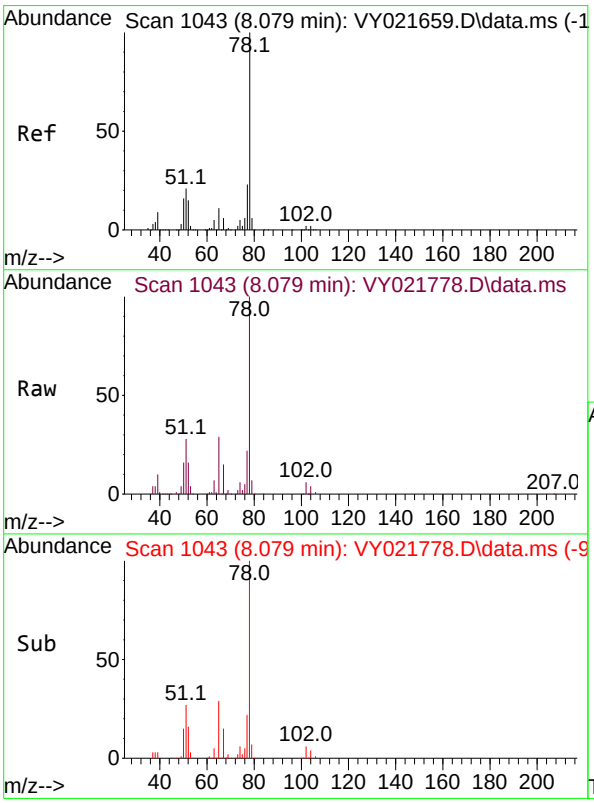
#39
Methylcyclohexane
Concen: 19.412 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 83 Resp: 76412

Ion	Ratio	Lower	Upper
83	100		
55	79.1	59.7	89.5
98	48.9	38.3	57.5

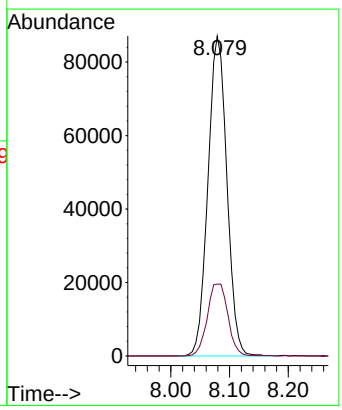


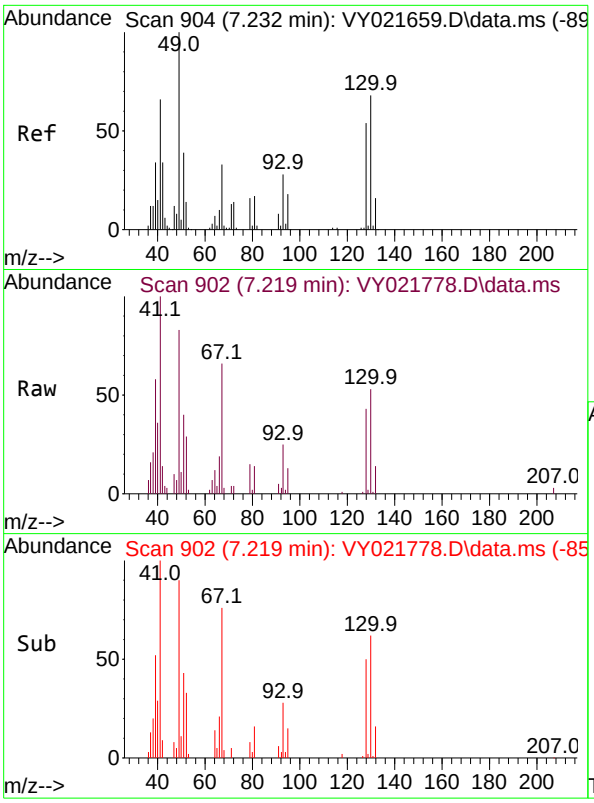


#40
Benzene
Concen: 19.772 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 78 Resp: 195115

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2



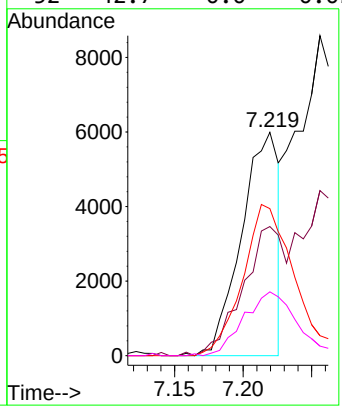


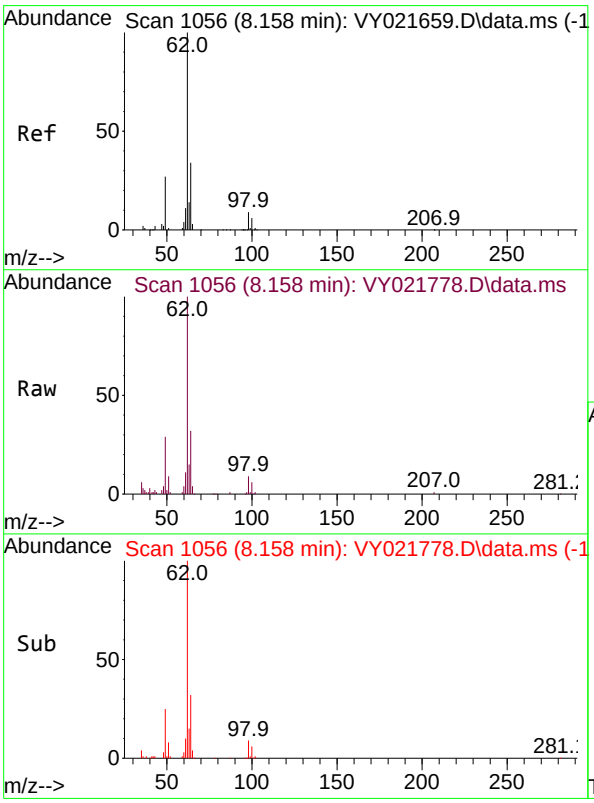
#41
Methacrylonitrile
Concen: 13.795 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 41 Resp: 11393

Ion	Ratio	Lower	Upper
41	100		
39	64.8	0.0	0.0#
67	92.5	0.0	0.0#
52	42.7	0.0	0.0#

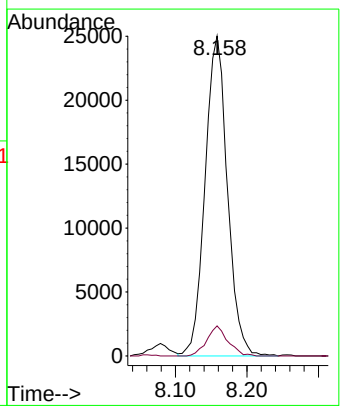


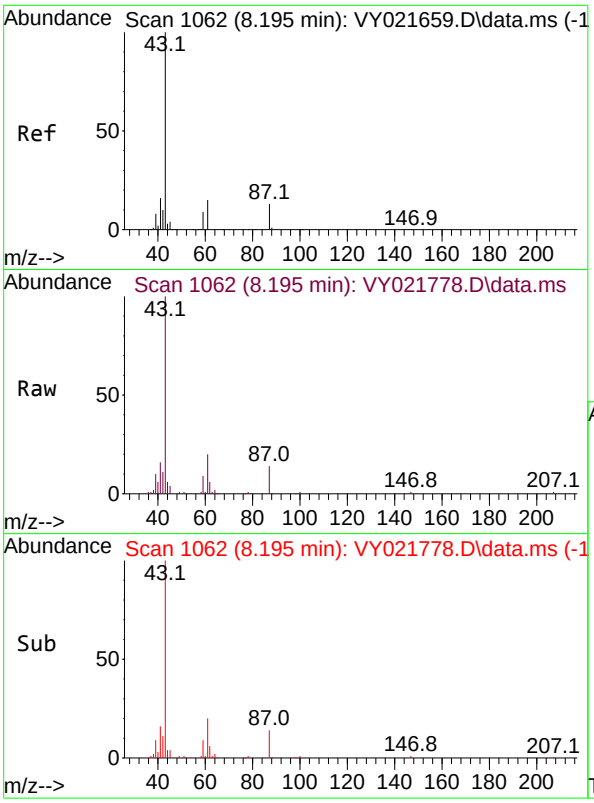


#42
1,2-Dichloroethane
Concen: 19.524 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 62 Resp: 54315

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4



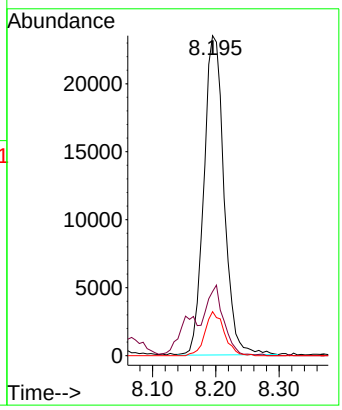


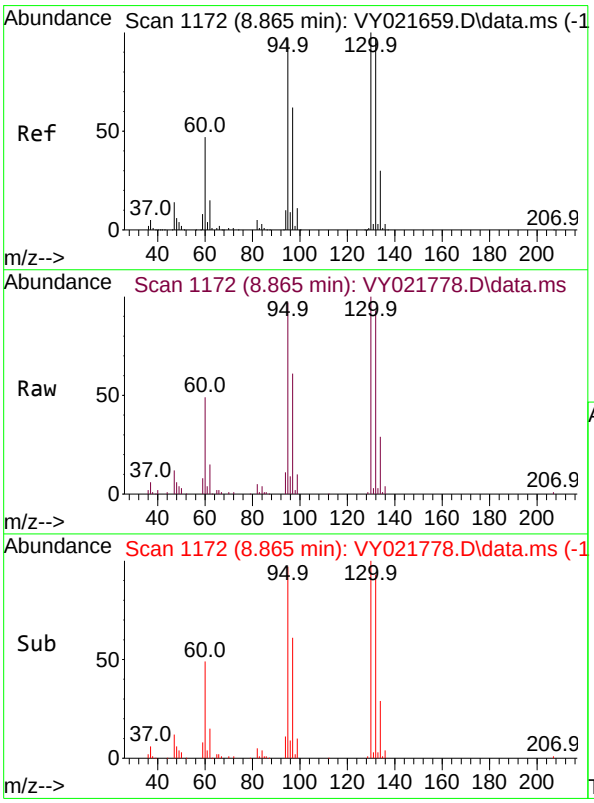
#43
Isopropyl Acetate
Concen: 17.697 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 43 Resp: 52154

Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.9	23.9
87	13.2	10.4	15.6

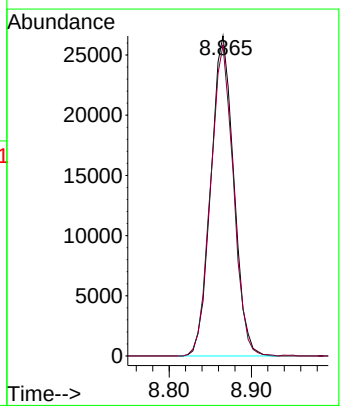


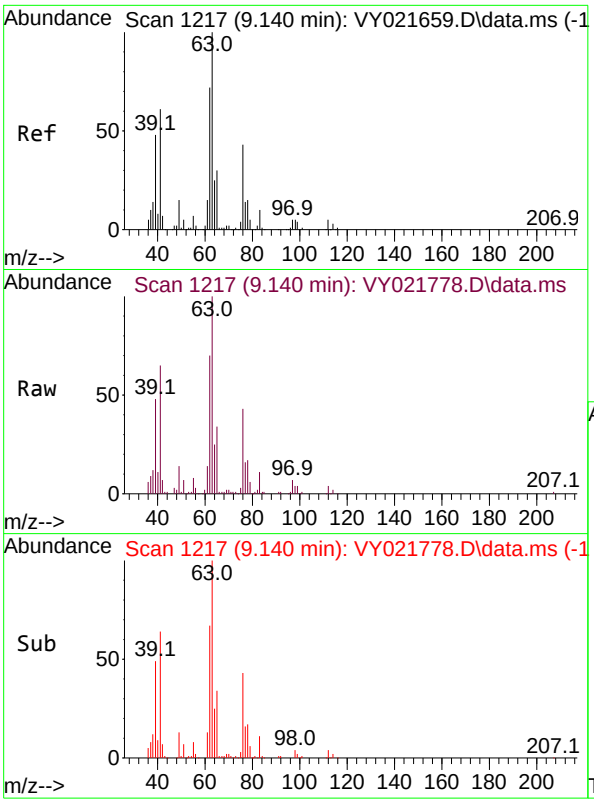


#44
Trichloroethene
Concen: 20.398 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:130 Resp: 51288

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.8



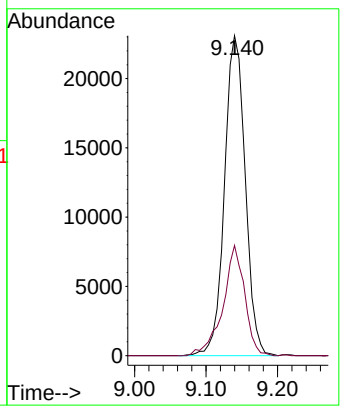


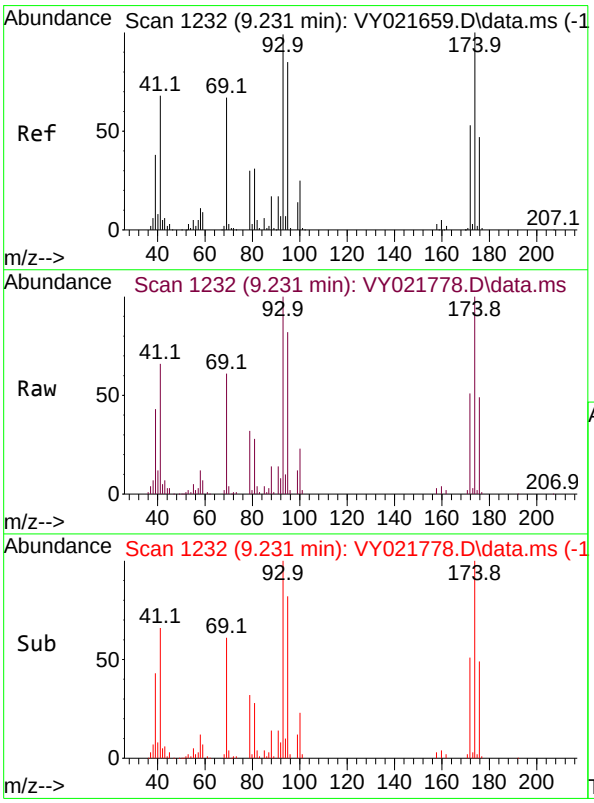
#45
1,2-Dichloropropane
Concen: 19.929 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 63 Resp: 46551

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.4	36.6

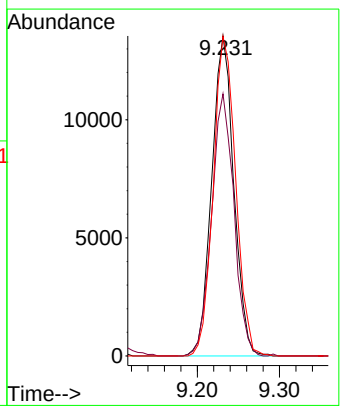


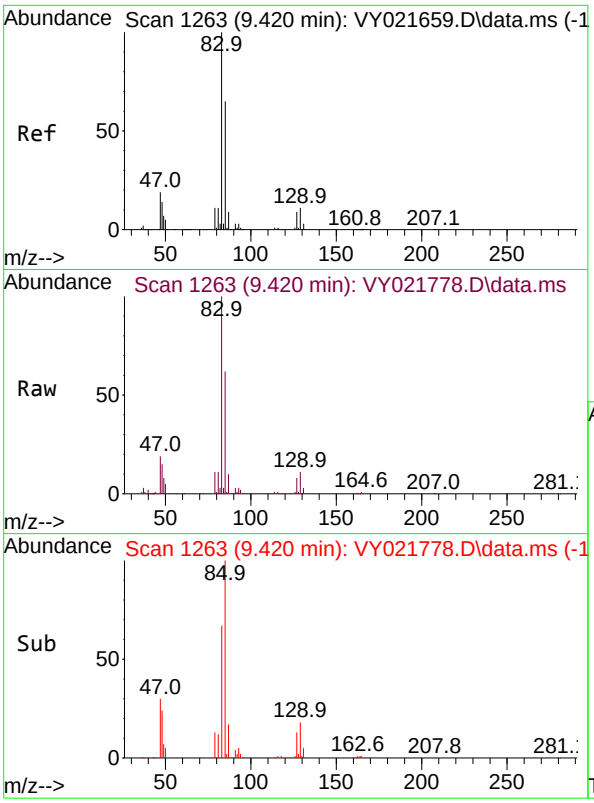


#46
Dibromomethane
Concen: 18.755 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 93 Resp: 25248

Ion	Ratio	Lower	Upper
93	100		
95	82.9	68.1	102.1
174	101.4	80.9	121.3



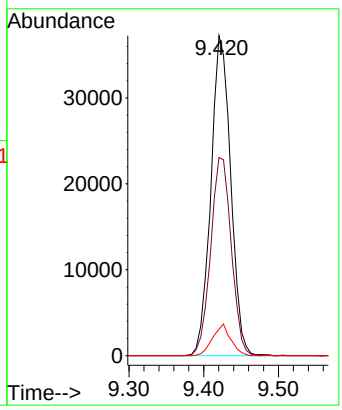


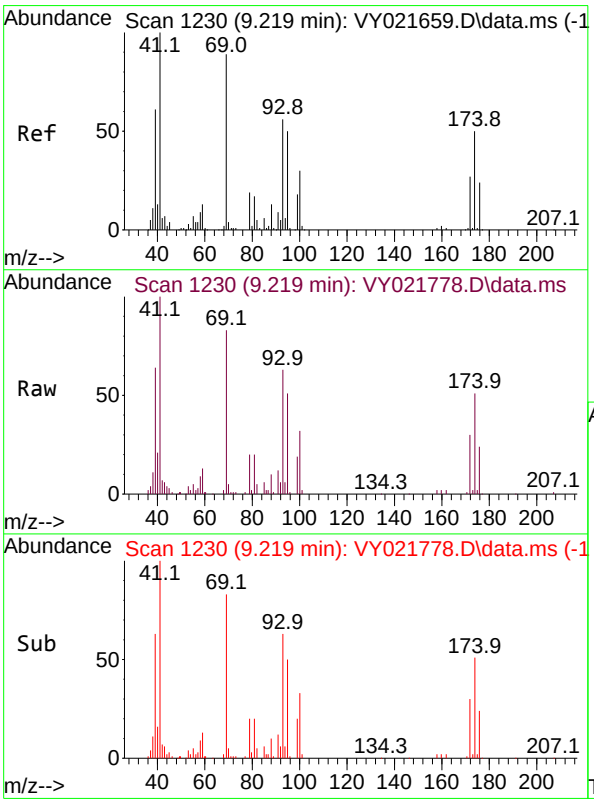
#47
Bromodichloromethane
Concen: 19.726 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 83 Resp: 68808

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	8.3	6.8	10.2

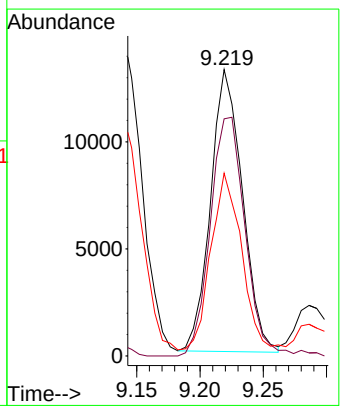


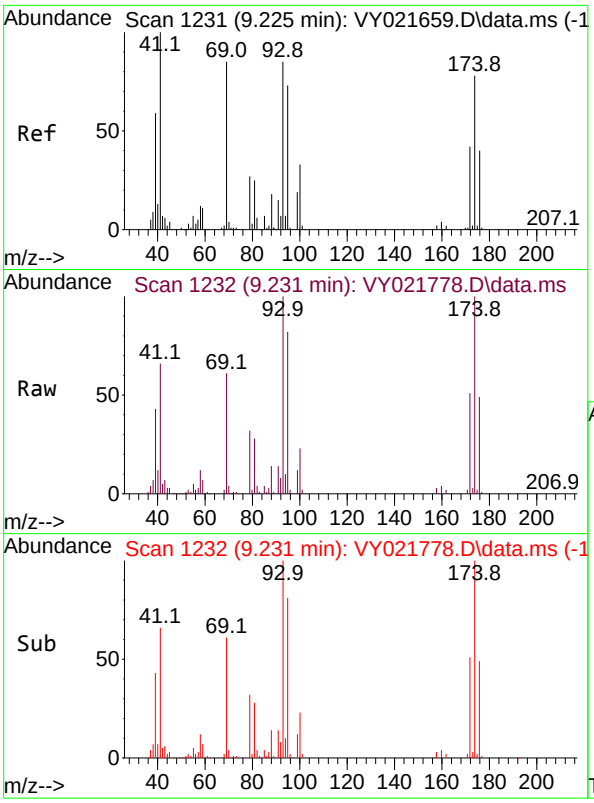


#48
Methyl methacrylate
Concen: 17.089 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 41 Resp: 23114

Ion	Ratio	Lower	Upper
41	100		
69	91.9	69.8	104.8
39	61.7	47.2	70.8



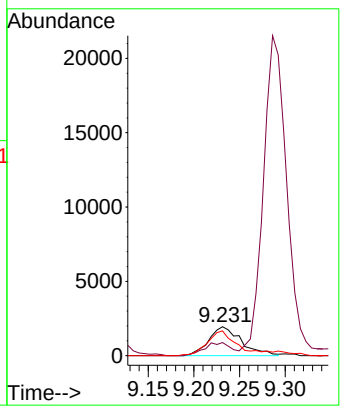


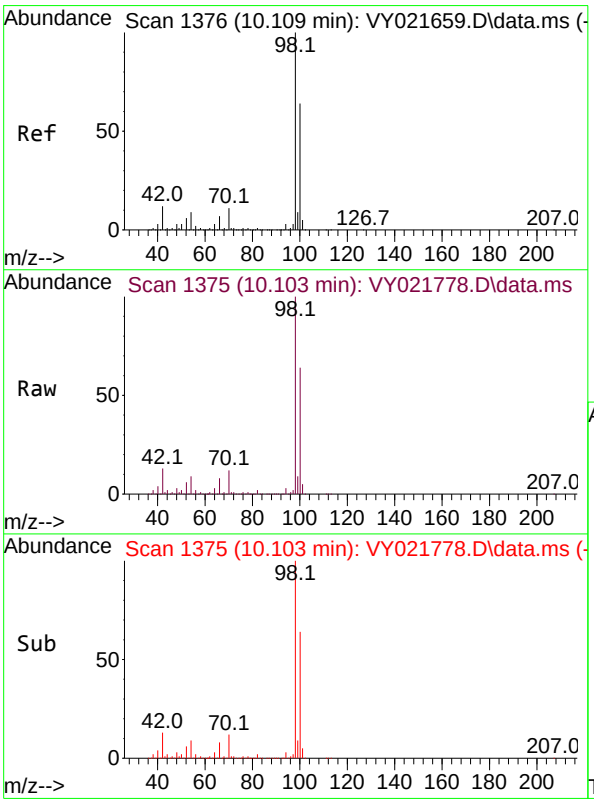
#49
1,4-Dioxane
Concen: 336.031 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 88 Resp: 4846

Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.8	43.2
58	88.6	59.4	89.2

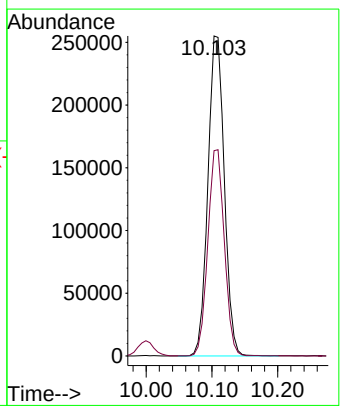


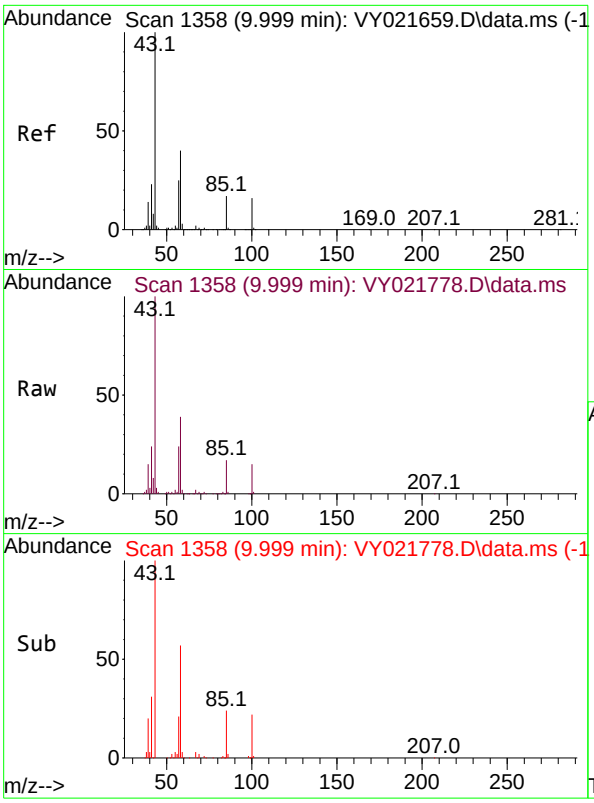


#50
Toluene-d8
Concen: 53.826 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 98 Resp: 442990

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



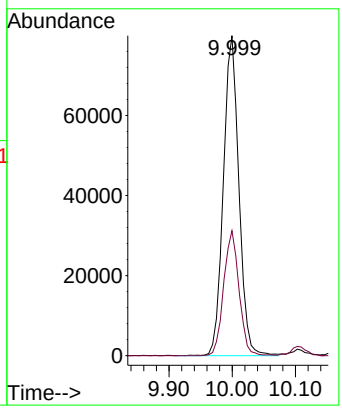


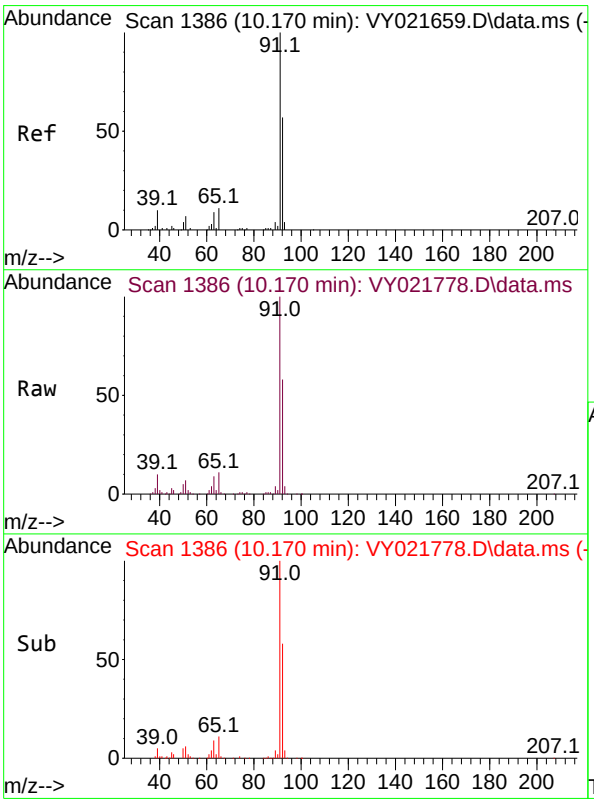
#51
4-Methyl-2-Pentanone
Concen: 88.669 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 43 Resp: 135987

Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.5	47.3

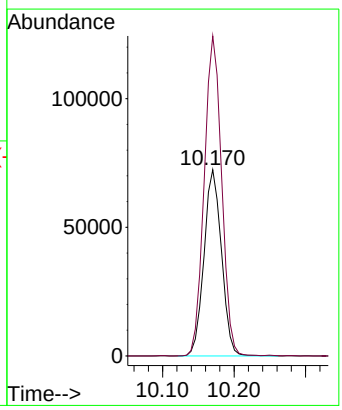


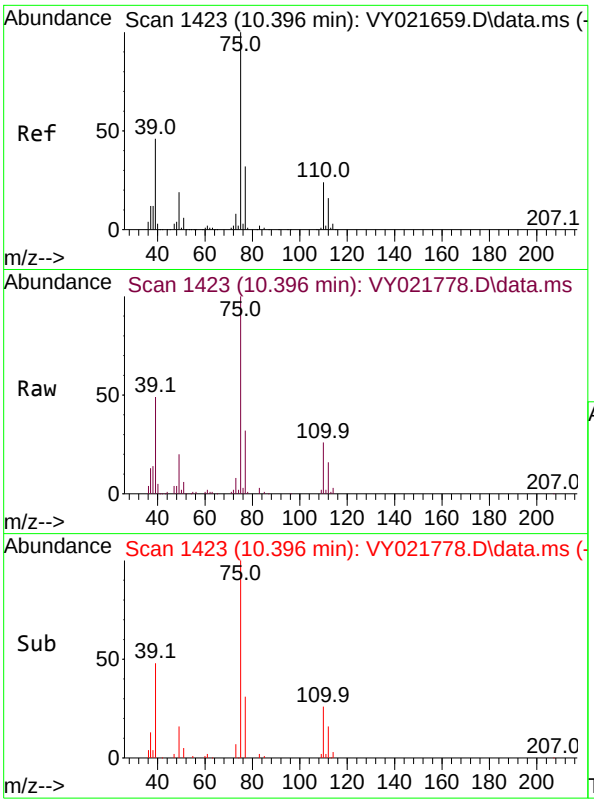


#52
Toluene
Concen: 19.987 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 92 Resp: 123058

Ion	Ratio	Lower	Upper
92	100		
91	171.0	138.6	207.8



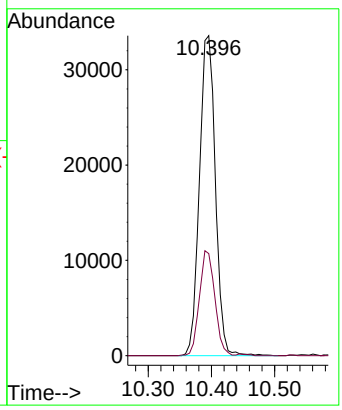


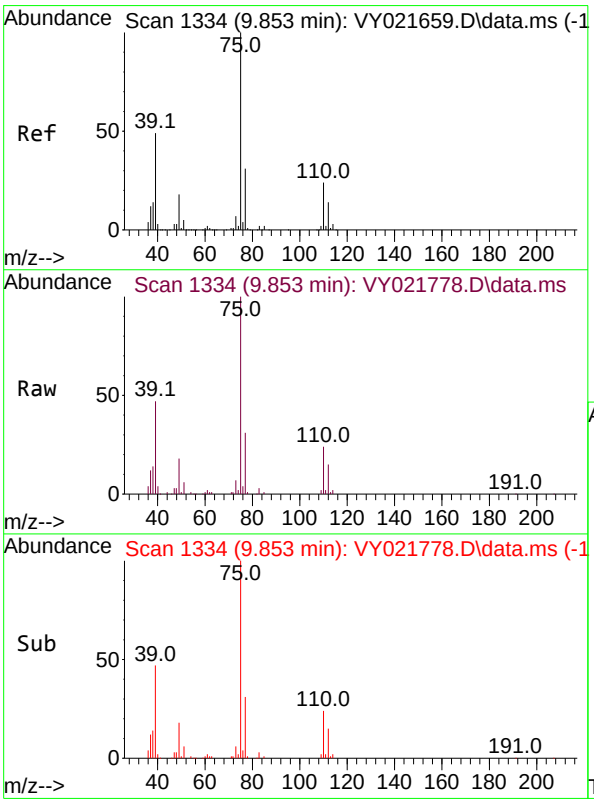
#53
t-1,3-Dichloropropene
Concen: 19.048 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 75 Resp: 59016

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9

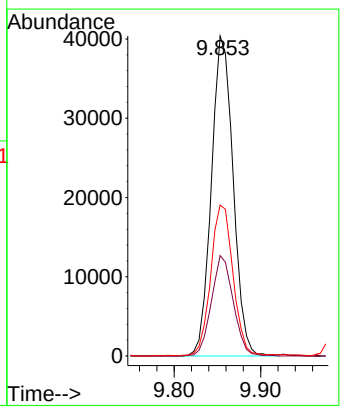


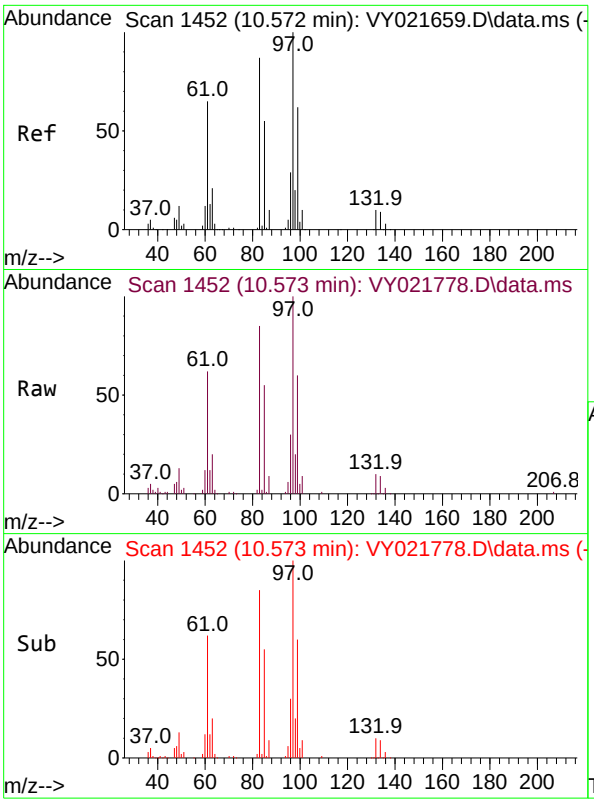


#54
cis-1,3-Dichloropropene
Concen: 19.257 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 70388

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3
39	47.2	39.2	58.8



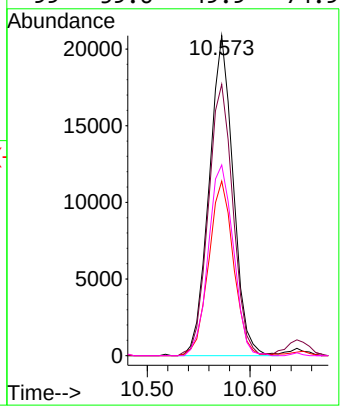


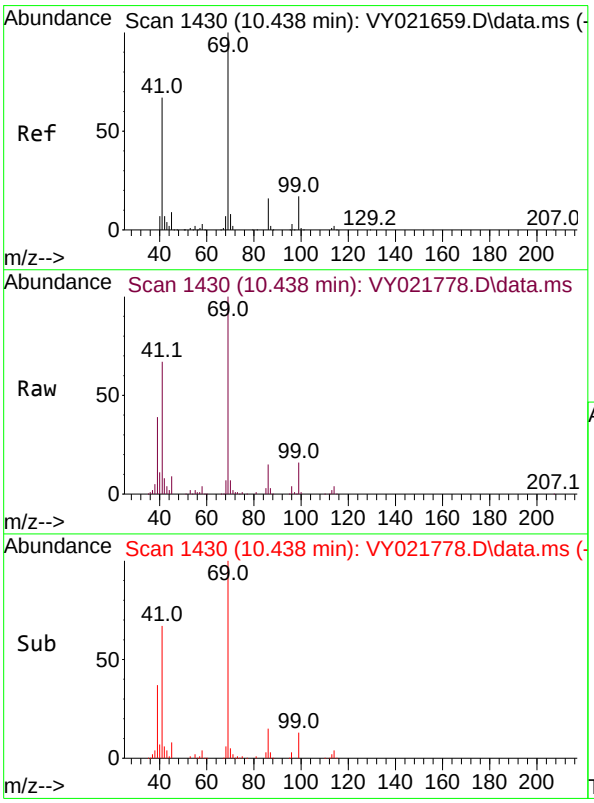
#55
1,1,2-Trichloroethane
Concen: 19.599 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 97 Resp: 33954

Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.5	104.3
85	54.6	43.9	65.9
99	59.6	49.9	74.9

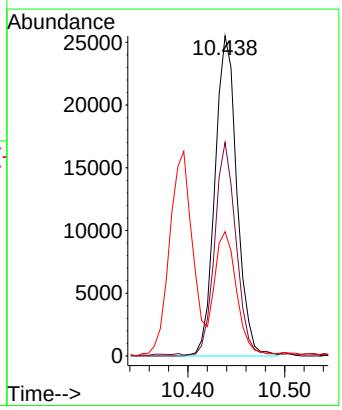


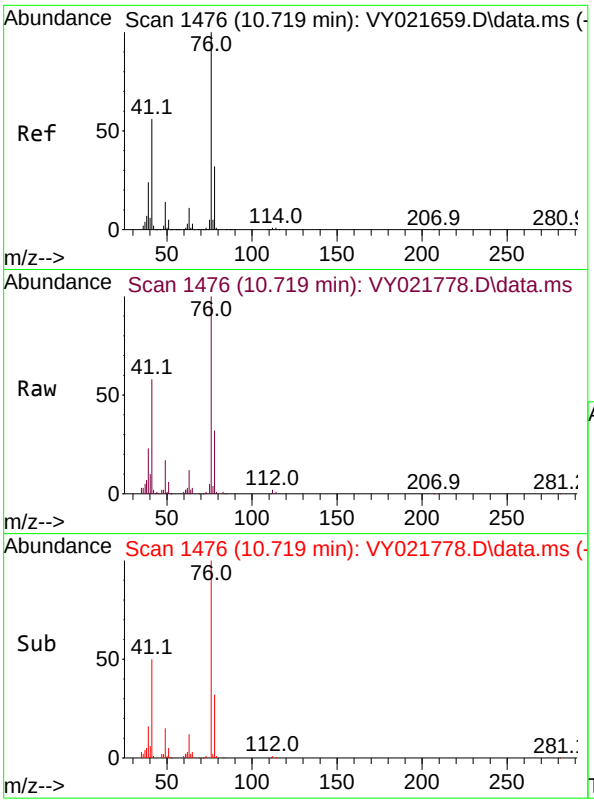


#56
Ethyl methacrylate
Concen: 18.189 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 69 Resp: 40236

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.8	80.6
39	36.8	29.6	44.4



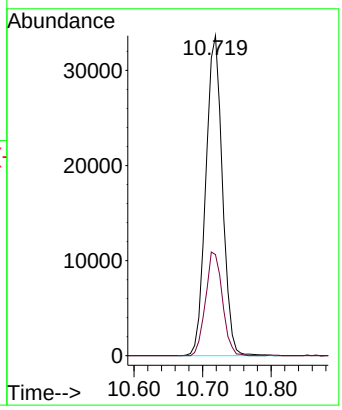


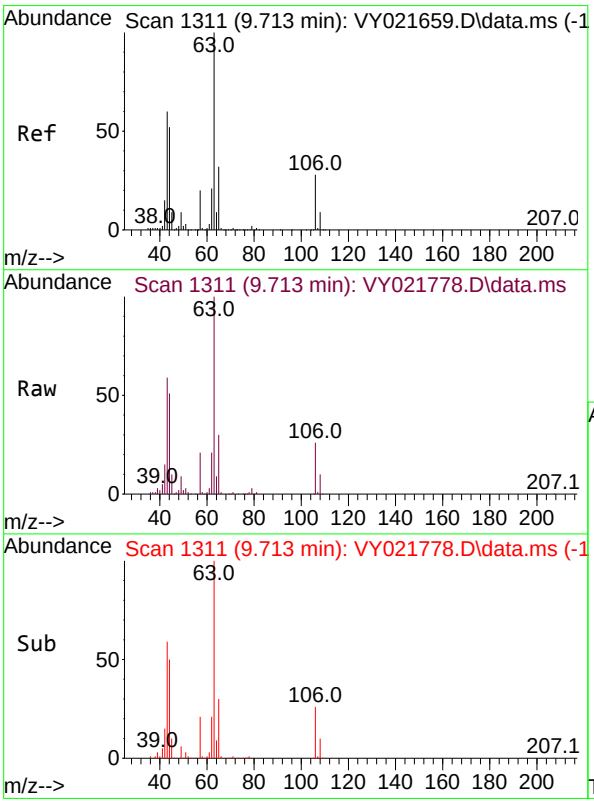
#57
1,3-Dichloropropane
Concen: 18.940 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 76 Resp: 56667

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

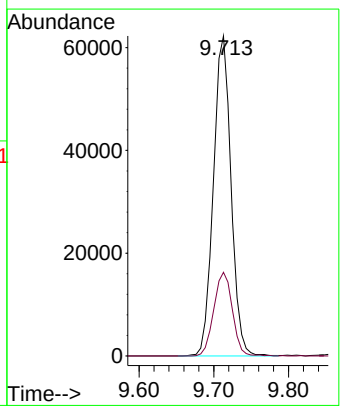


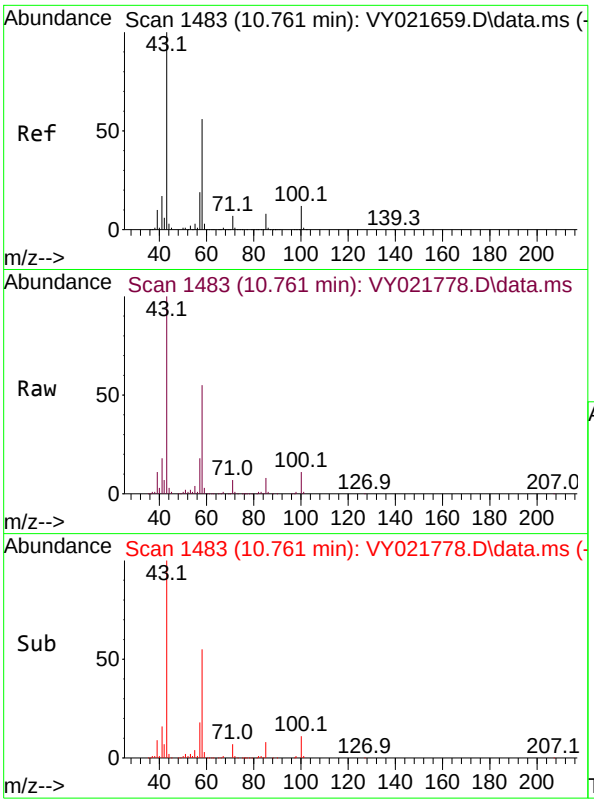


#58
2-Chloroethyl Vinyl ether
Concen: 94.929 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 63 Resp: 102441

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.4	33.6



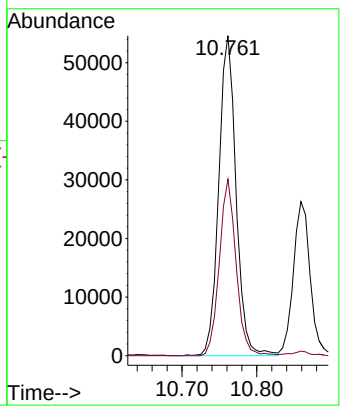


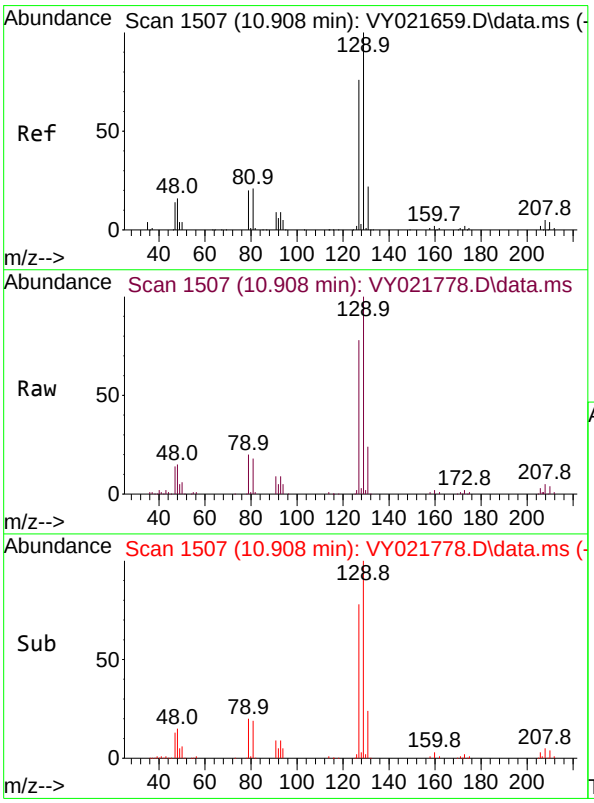
#59
2-Hexanone
Concen: 86.157 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 43 Resp: 87999

Ion	Ratio	Lower	Upper
43	100		
58	53.4	27.2	81.5

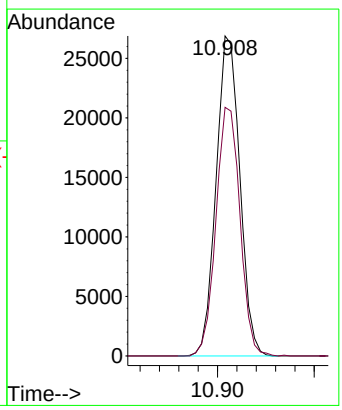


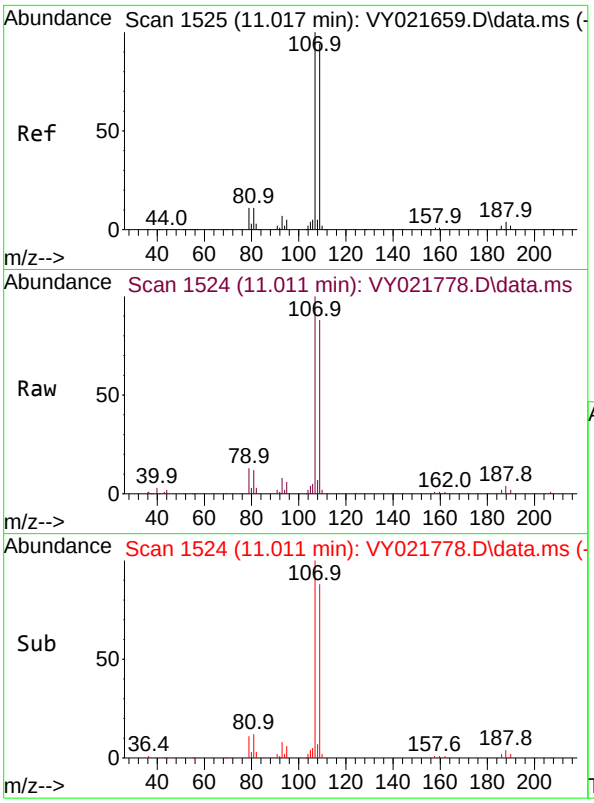


#60
Dibromochloromethane
Concen: 19.348 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:129 Resp: 45764

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.6	115.7



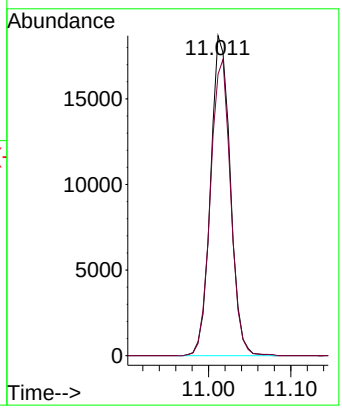


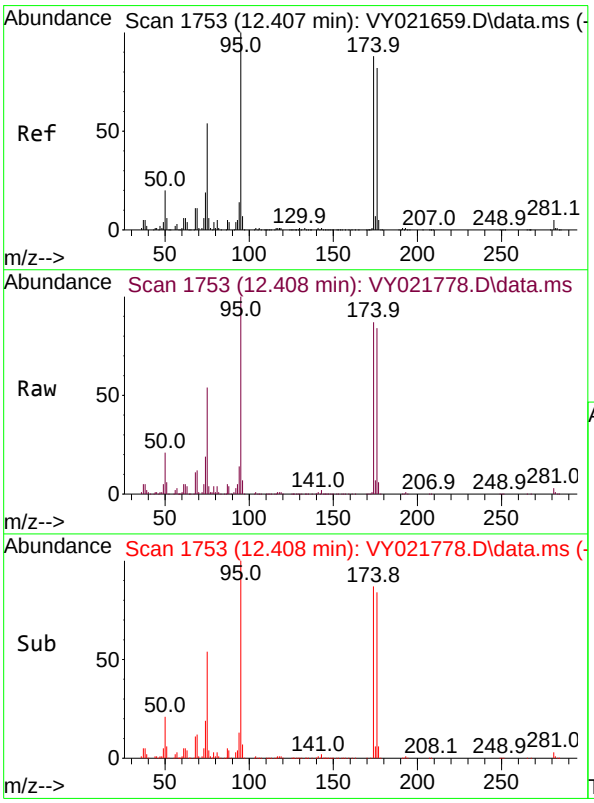
#61
1,2-Dibromoethane
Concen: 19.087 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:107 Resp: 31019

Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.4	111.6

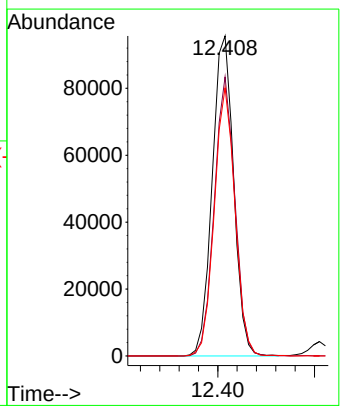


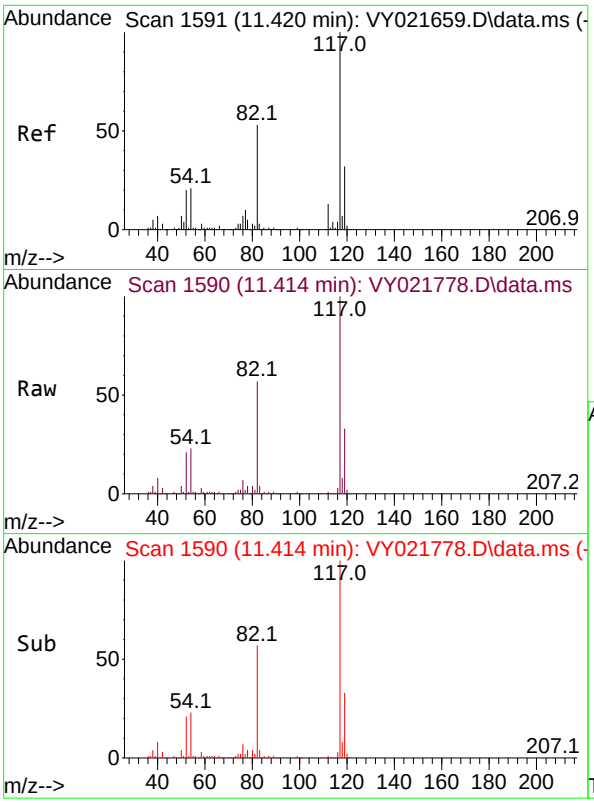


#62
4-Bromofluorobenzene
Concen: 52.820 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 95 Resp: 147041

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.8
176	81.1	0.0	162.0



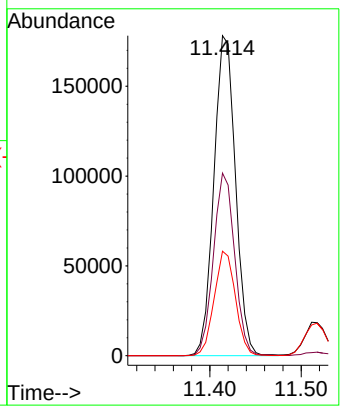


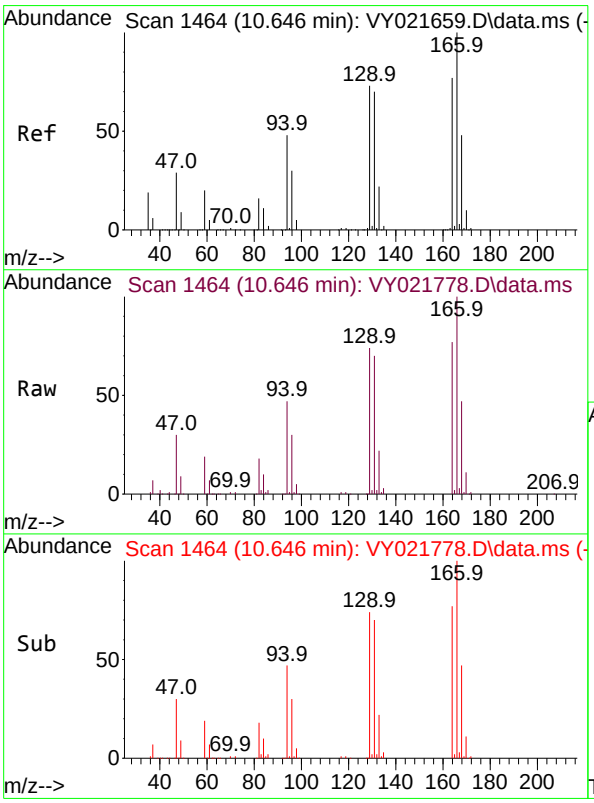
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:117 Resp: 293102

Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.8	64.2
119	32.7	25.7	38.5

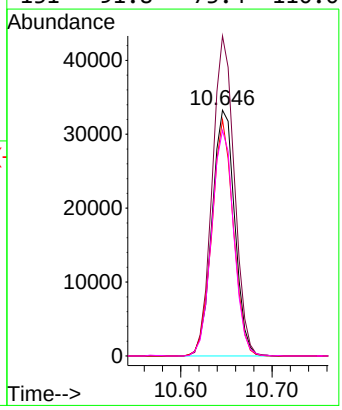


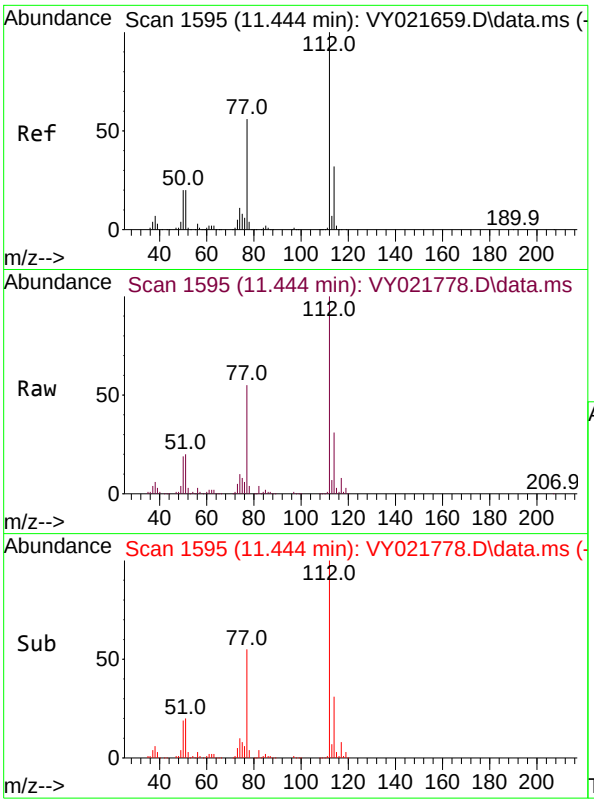


#64
Tetrachloroethene
Concen: 21.437 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:164 Resp: 57226

Ion	Ratio	Lower	Upper
164	100		
166	130.2	104.6	156.8
129	96.1	76.6	114.8
131	91.8	73.4	110.0



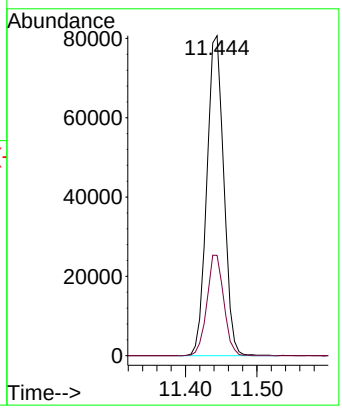


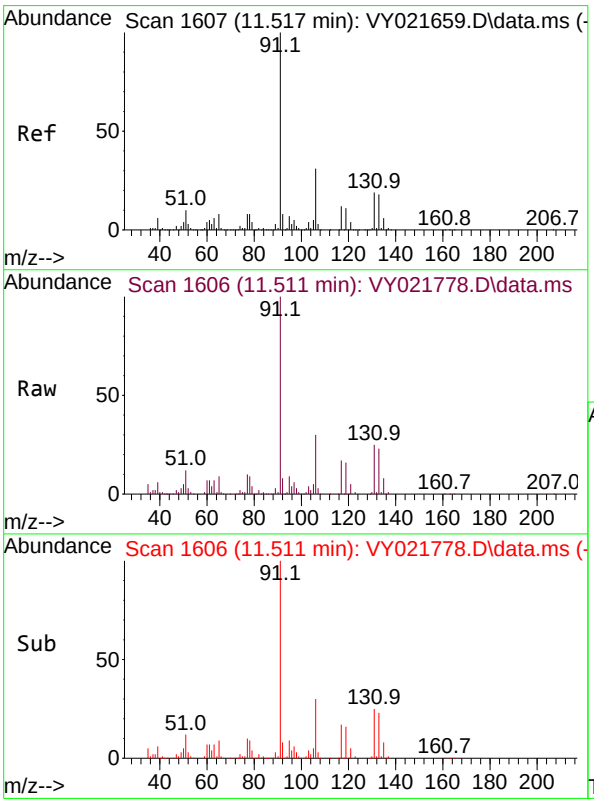
#65
Chlorobenzene
Concen: 19.745 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:112 Resp: 132663

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.9	38.9

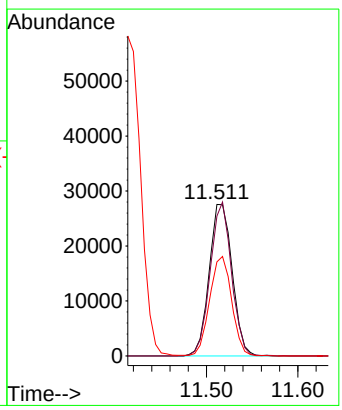


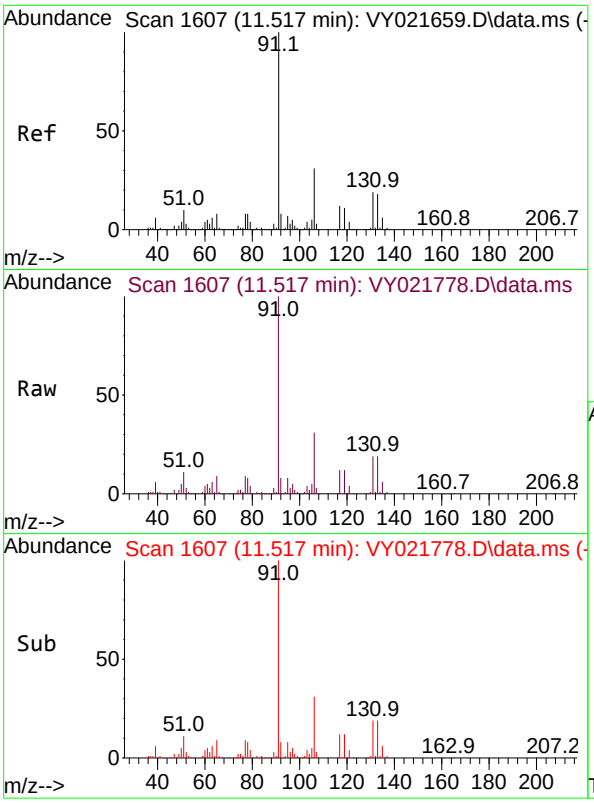


#66
1,1,1,2-Tetrachloroethane
Concen: 20.215 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:131 Resp: 48189

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.8
119	62.9	31.6	95.0



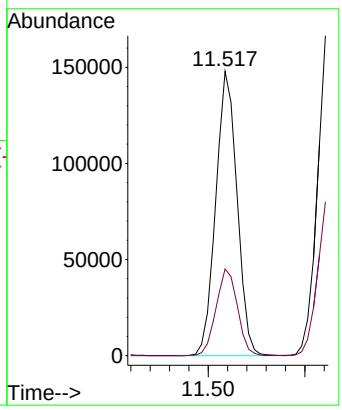


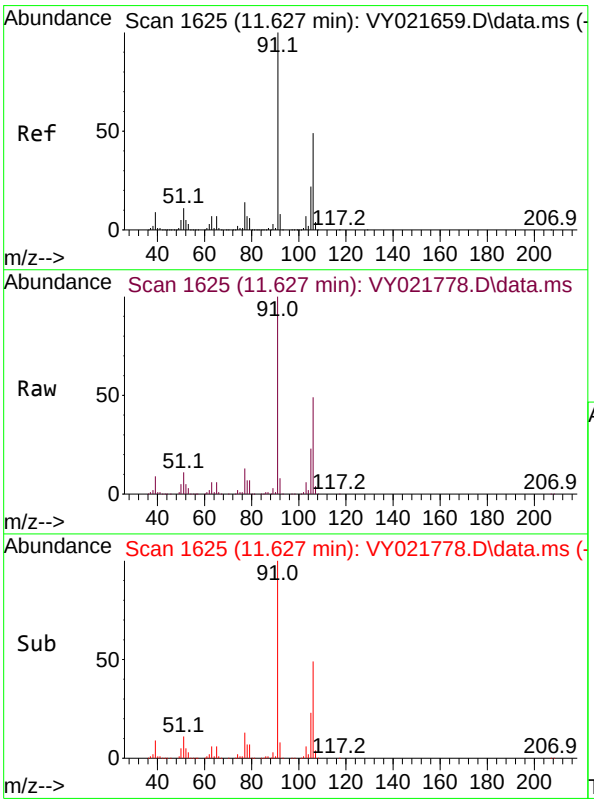
#67
Ethyl Benzene
Concen: 19.612 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 91 Resp: 225955

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8

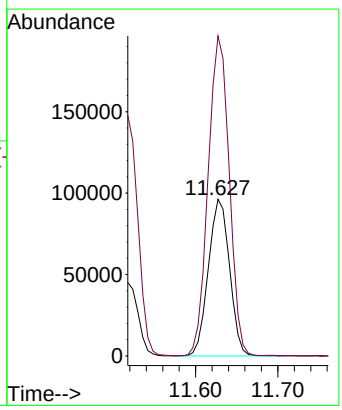


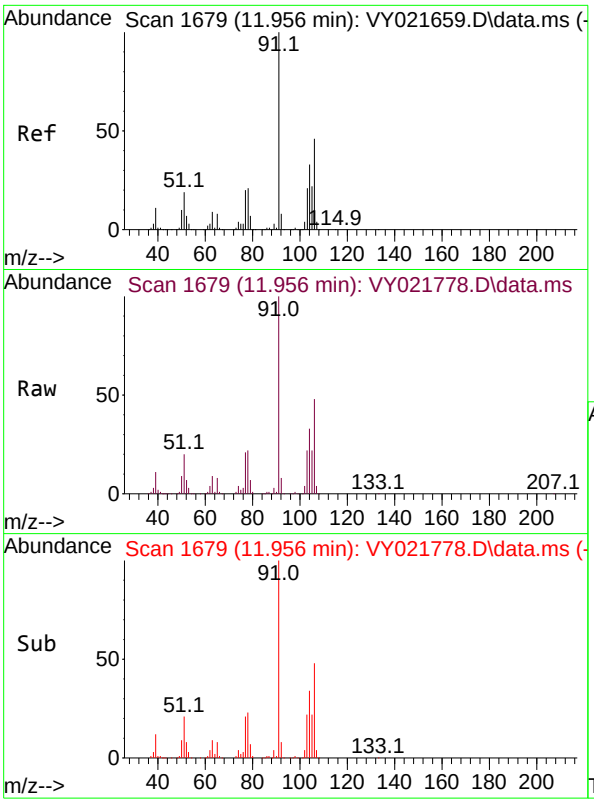


#68
m/p-Xylenes
Concen: 39.102 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:106 Resp: 172512

Ion	Ratio	Lower	Upper
106	100		
91	203.2	162.4	243.6



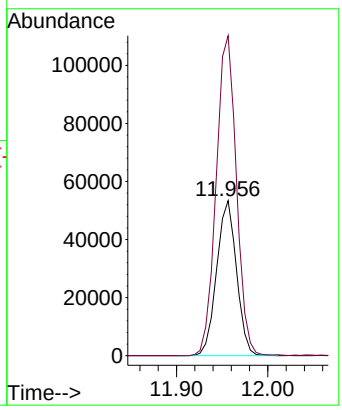


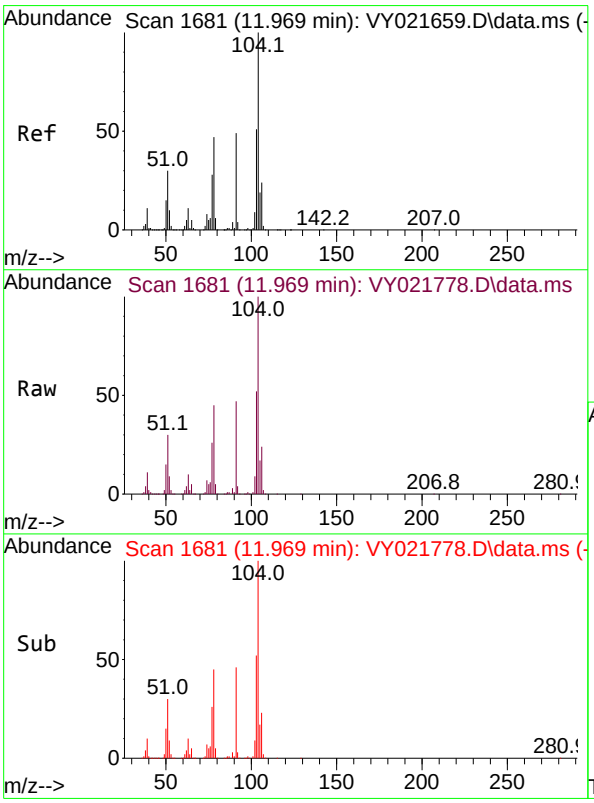
#69
o-Xylene
Concen: 19.805 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:106 Resp: 80655

Ion	Ratio	Lower	Upper
106	100		
91	210.9	106.7	319.9

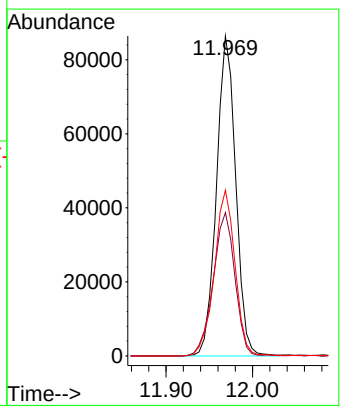


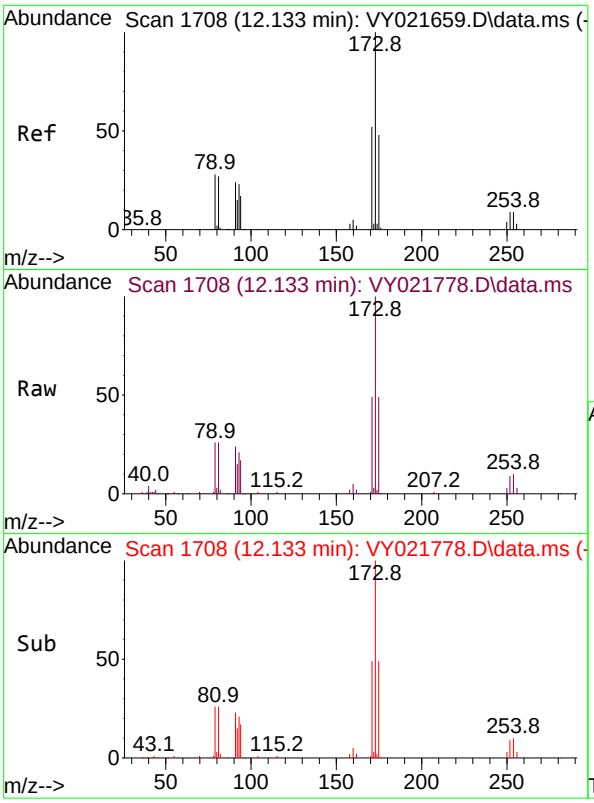


#70
Styrene
Concen: 19.637 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:104 Resp: 133338

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.8	61.2
103	55.8	44.2	66.2



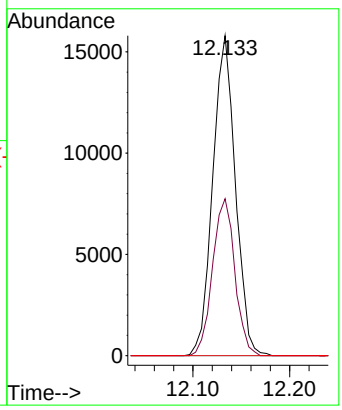


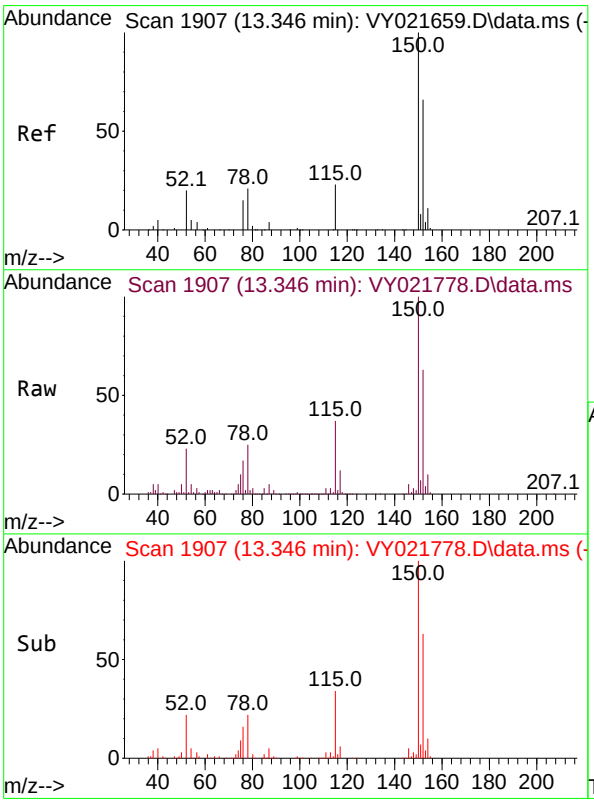
#71
Bromoform
Concen: 18.854 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:173 Resp: 25637

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1#

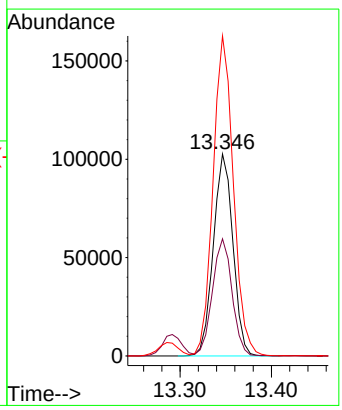


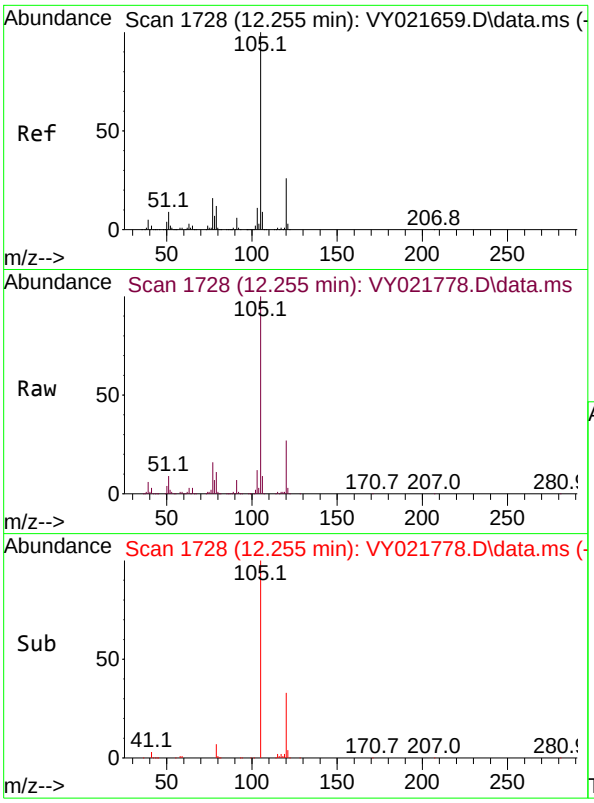


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:152 Resp: 152811

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	164.2	0.0	348.4



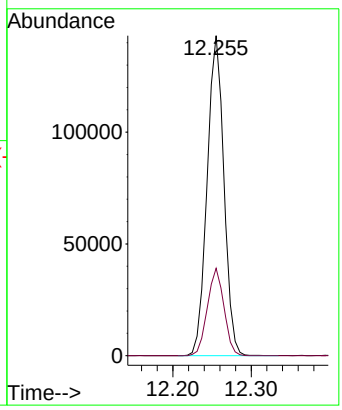


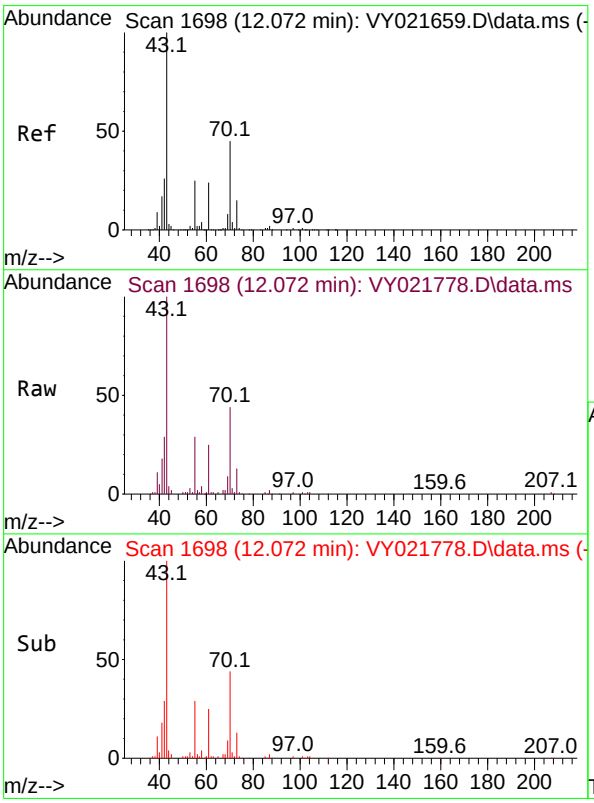
#73
Isopropylbenzene
Concen: 18.738 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:105 Resp: 212669

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.5

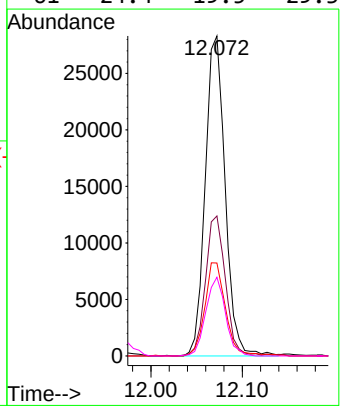


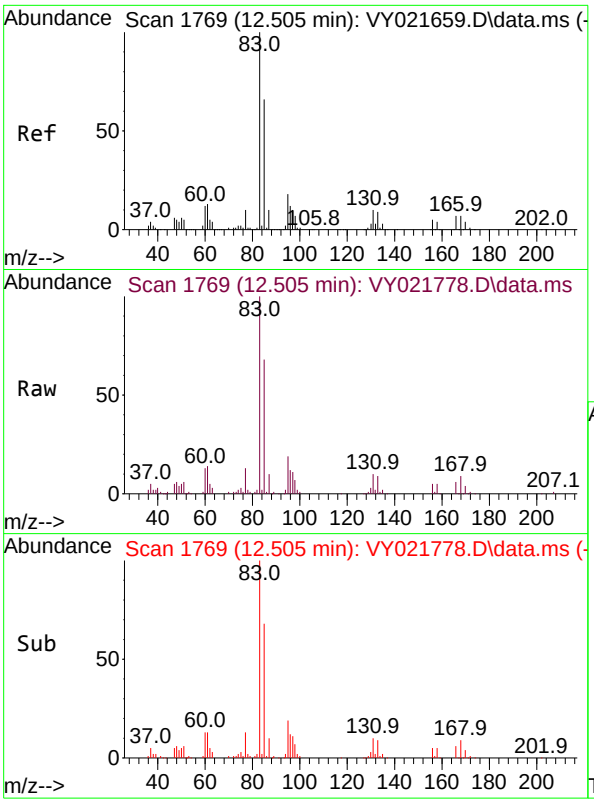


#74
N-amyl acetate
Concen: 16.060 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 43 Resp: 42780

Ion	Ratio	Lower	Upper
43	100		
70	43.8	34.7	52.1
55	30.5	21.2	31.8
61	24.4	19.5	29.3



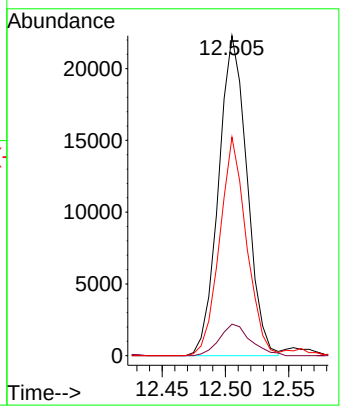


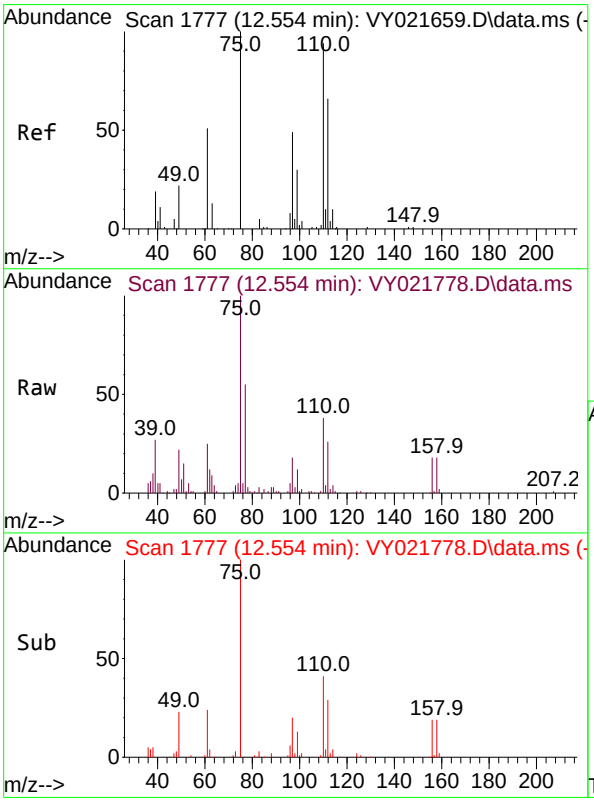
#75
1,1,2,2-Tetrachloroethane
Concen: 17.080 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 83 Resp: 34853

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.3
85	64.3	32.3	96.8

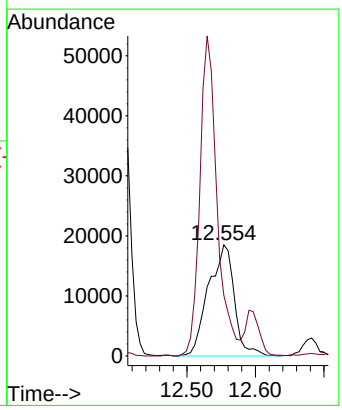


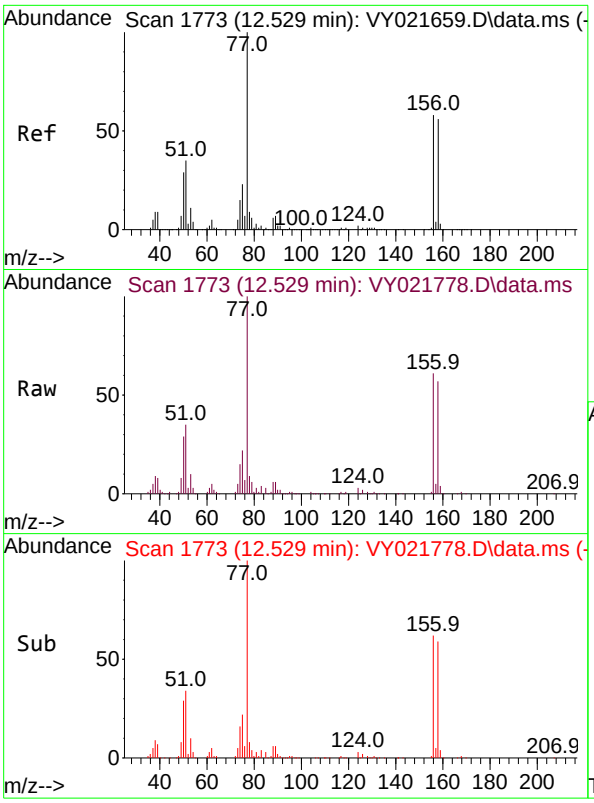


#76
1,2,3-Trichloropropane
Concen: 31.972 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 48429

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



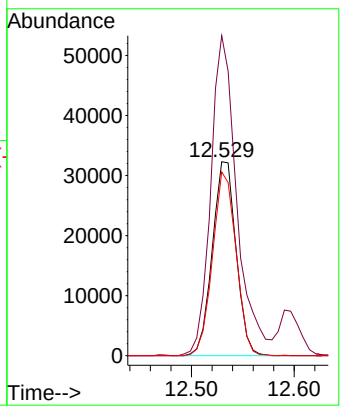


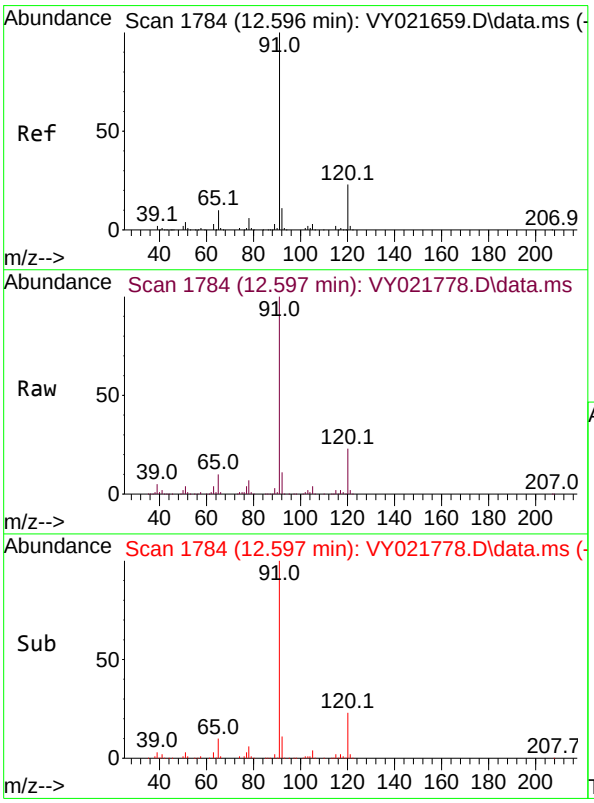
#77
Bromobenzene
Concen: 19.024 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:156 Resp: 51842

Ion	Ratio	Lower	Upper
156	100		
77	181.4	92.8	278.3
158	93.7	48.5	145.6

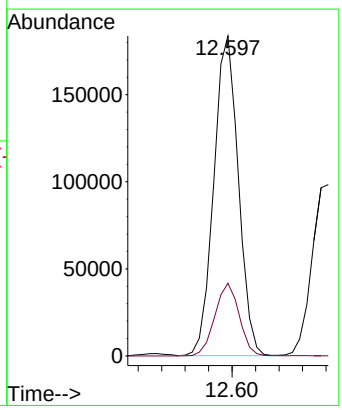


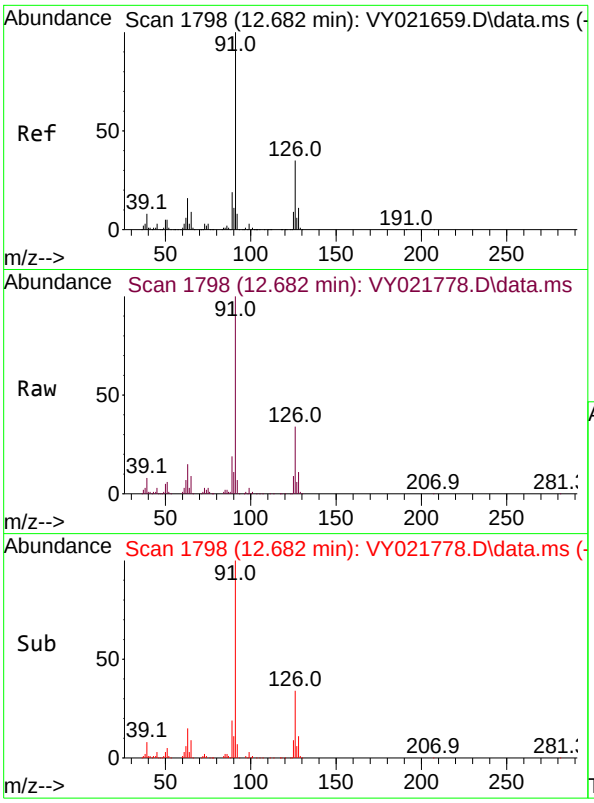


#78
n-propylbenzene
Concen: 19.496 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 266033

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9



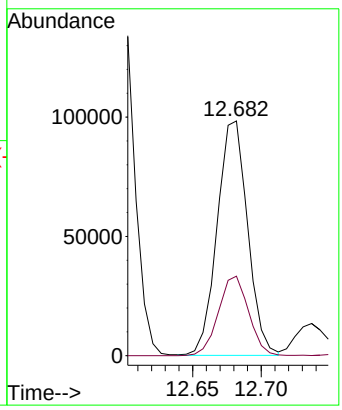


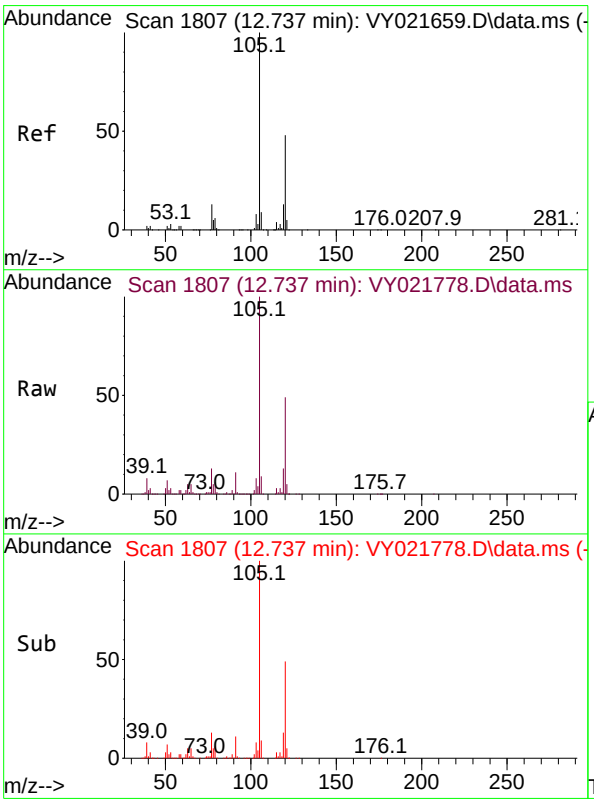
#79
2-Chlorotoluene
Concen: 19.174 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 91 Resp: 151959

Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.3	52.0

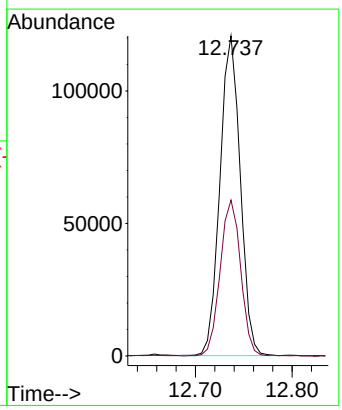


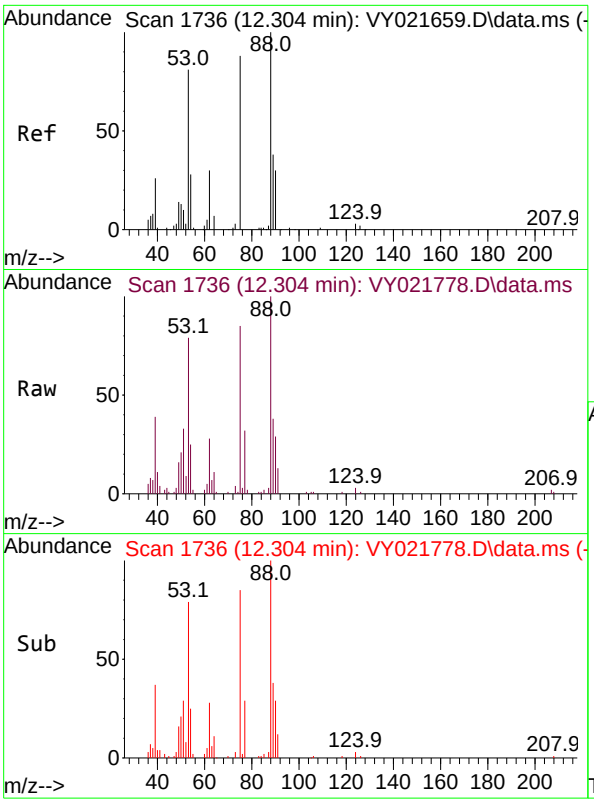


#80
1,3,5-Trimethylbenzene
Concen: 18.945 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:105 Resp: 175739

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.5	73.5



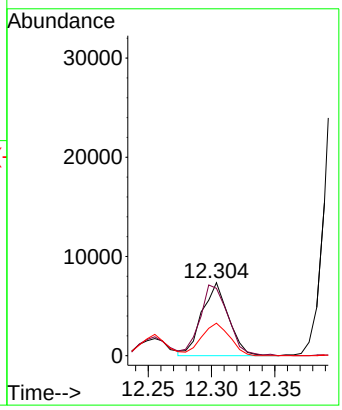


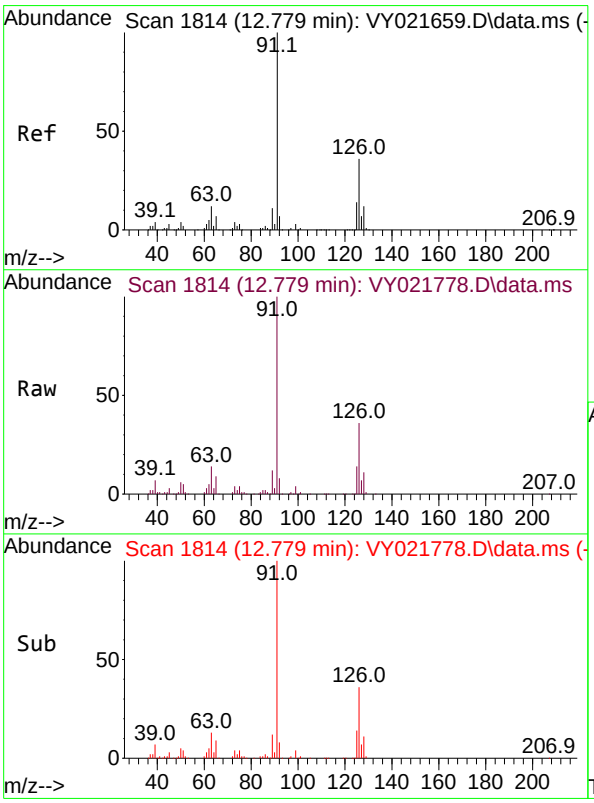
#81
trans-1,4-Dichloro-2-butene
Concen: 16.328 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 75 Resp: 10734

Ion	Ratio	Lower	Upper
75	100		
53	103.1	76.1	114.1
89	46.6	36.2	54.4

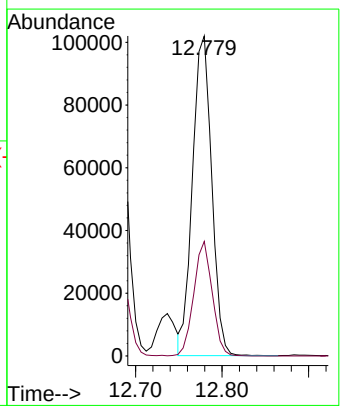


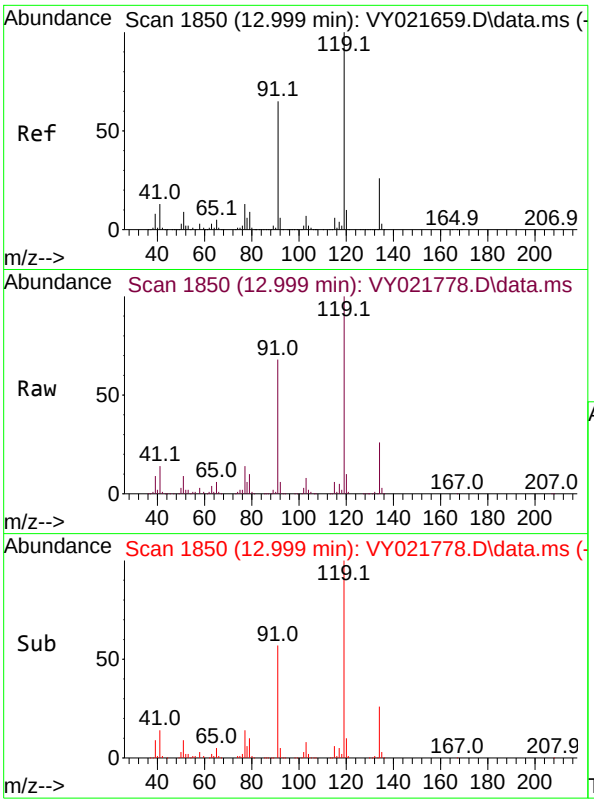


#82
4-Chlorotoluene
Concen: 19.006 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 91 Resp: 157038

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	50.9



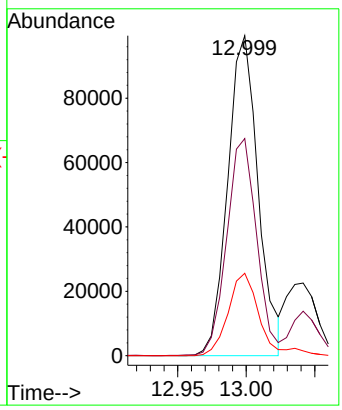


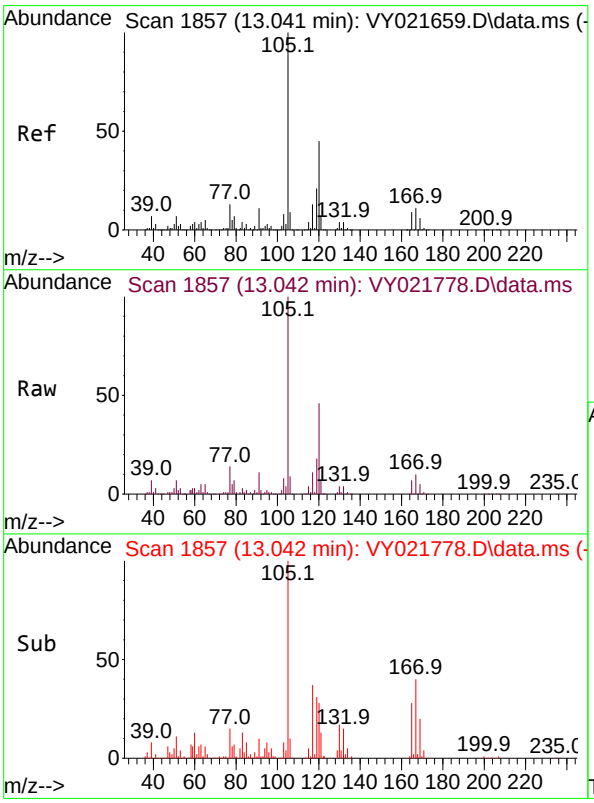
#83
tert-Butylbenzene
Concen: 18.633 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:119 Resp: 153946

Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.6	97.7
134	26.6	13.2	39.6

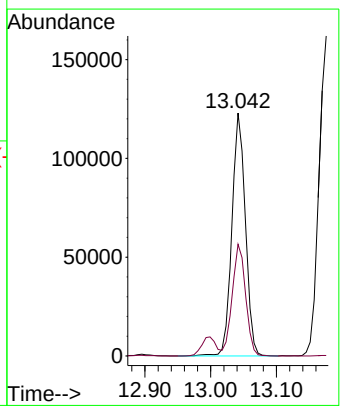


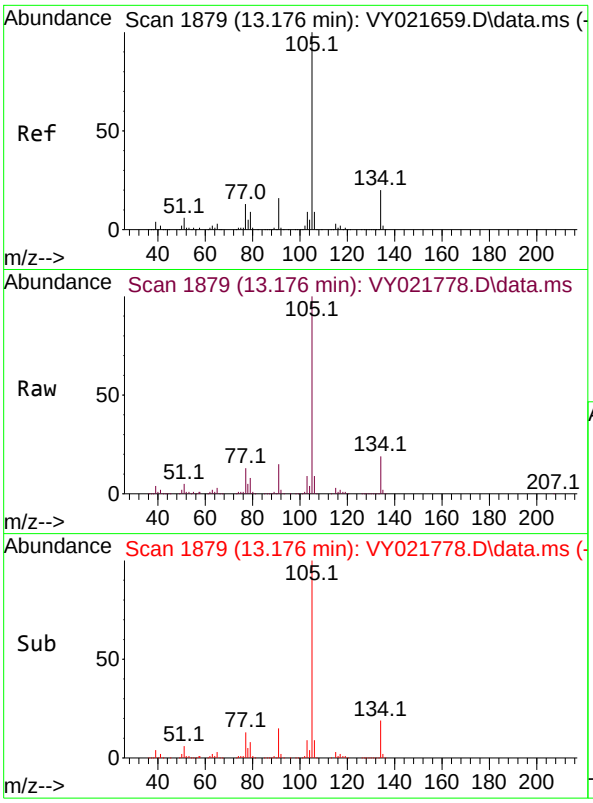


#84
1,2,4-Trimethylbenzene
Concen: 19.171 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:105 Resp: 175765

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.1



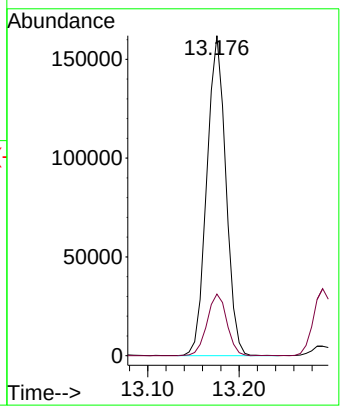


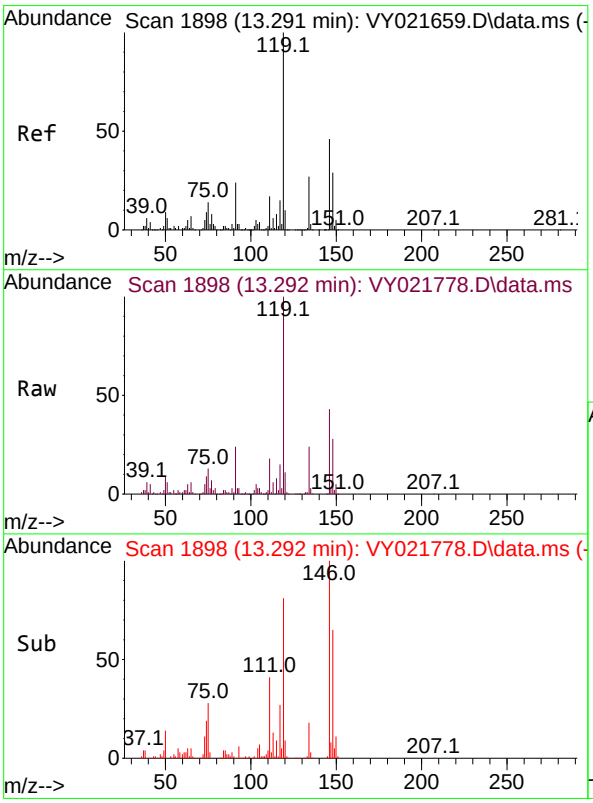
#85
sec-Butylbenzene
Concen: 19.380 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:105 Resp: 233999

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

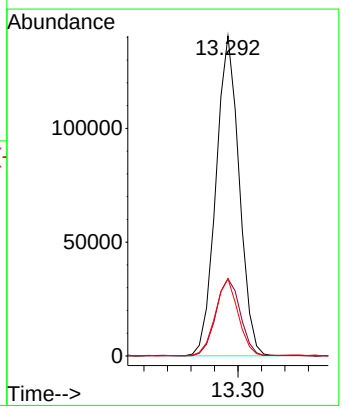


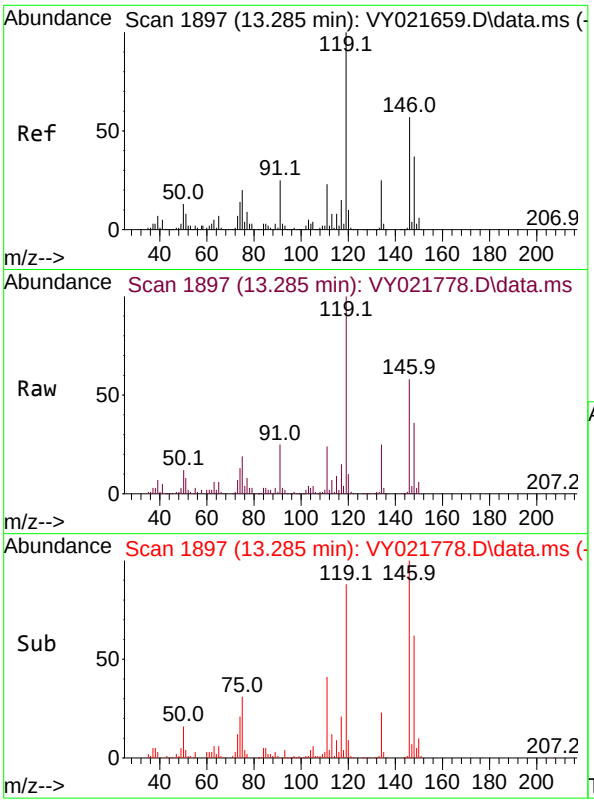


#86
p-Isopropyltoluene
Concen: 19.362 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:119 Resp: 193222

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.2	39.5
91	23.7	12.0	36.0



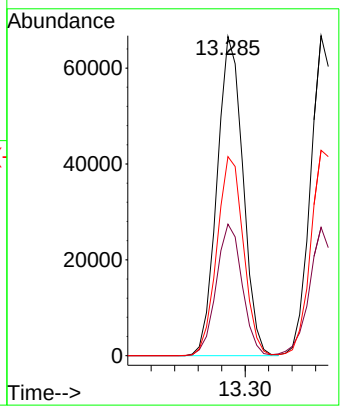


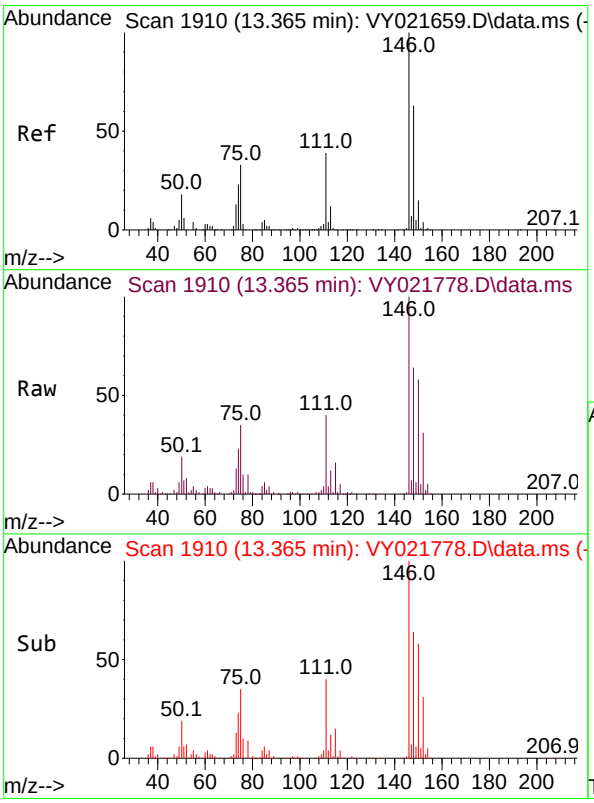
#87
1,3-Dichlorobenzene
Concen: 18.993 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:146 Resp: 101973

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	63.8	31.8	95.4

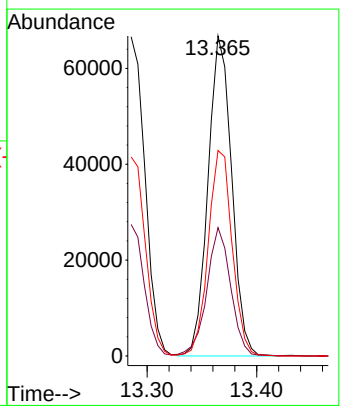


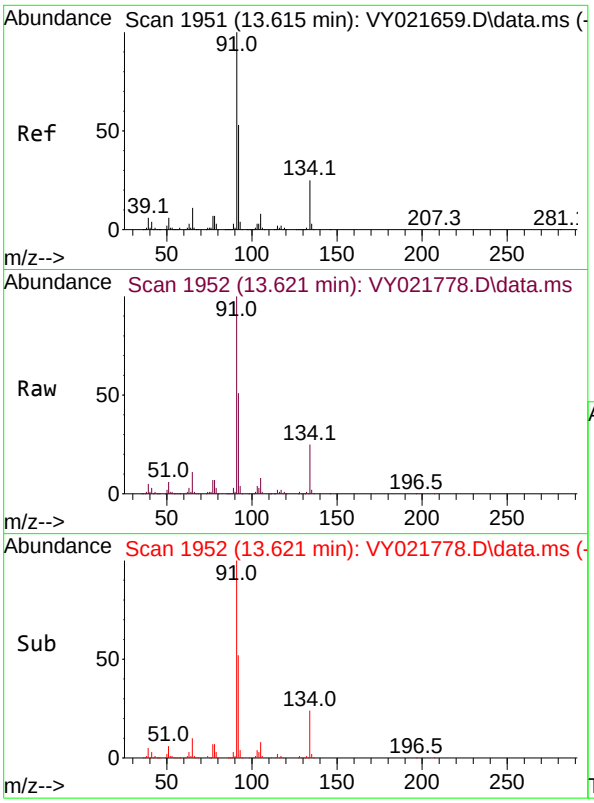


#88
1,4-Dichlorobenzene
Concen: 18.898 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:146 Resp: 100243

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.1	57.1
148	64.9	31.5	94.5



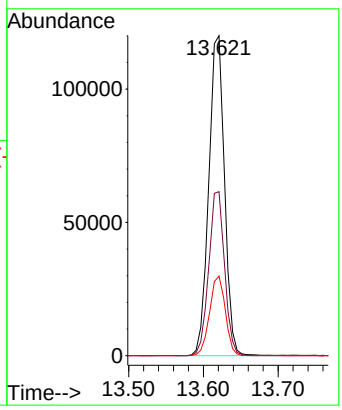


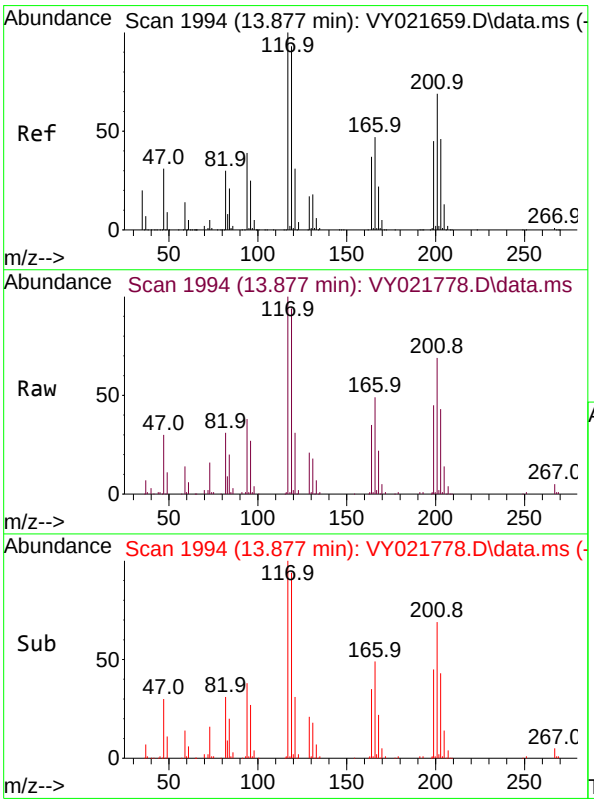
#89
n-Butylbenzene
Concen: 19.102 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion: 91 Resp: 176297

Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.4	79.2
134	24.8	12.8	38.4

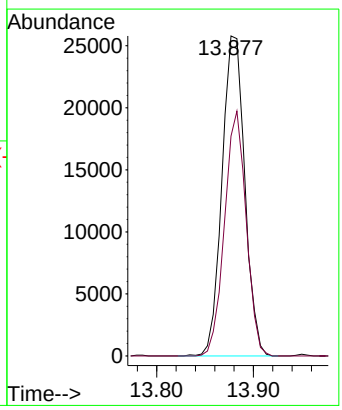


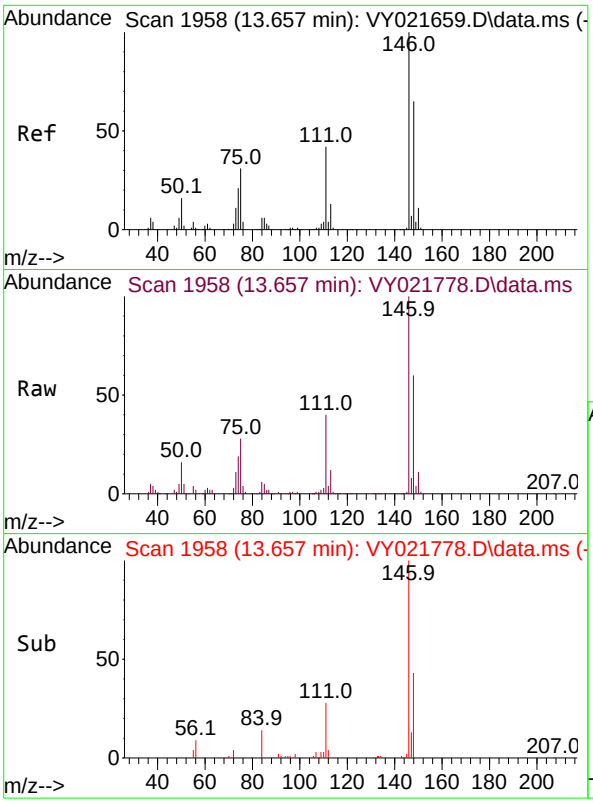


#90
Hexachloroethane
Concen: 19.280 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:117 Resp: 42163

Ion	Ratio	Lower	Upper
117	100		
201	72.7	37.4	112.1



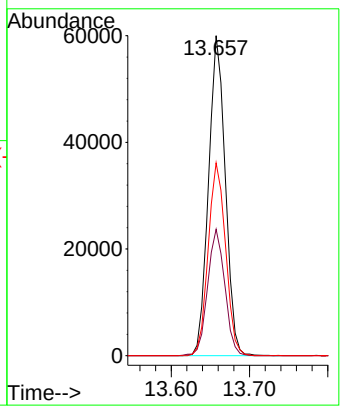


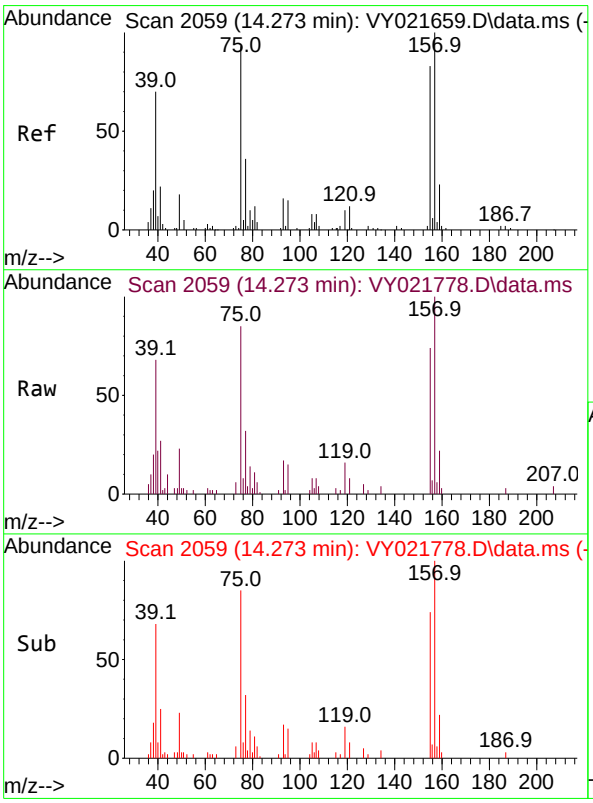
#91
1,2-Dichlorobenzene
Concen: 19.105 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:146 Resp: 89291

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	62.4	32.3	96.9

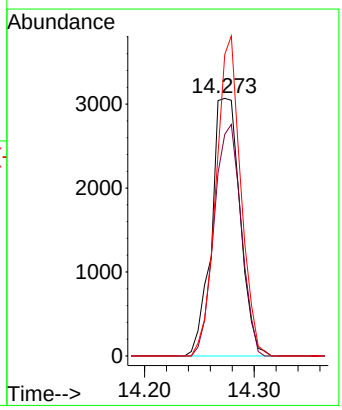


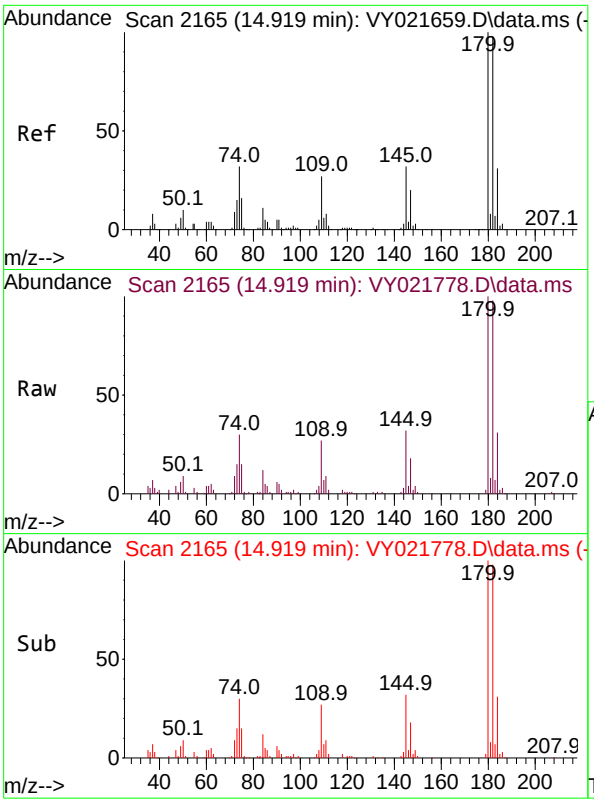


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.494 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion: 75 Resp: 5533

Ion	Ratio	Lower	Upper
75	100		
155	85.2	43.0	128.8
157	107.3	54.0	162.0



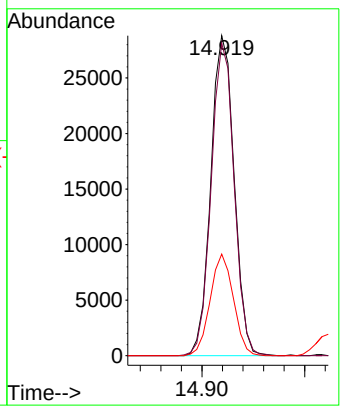


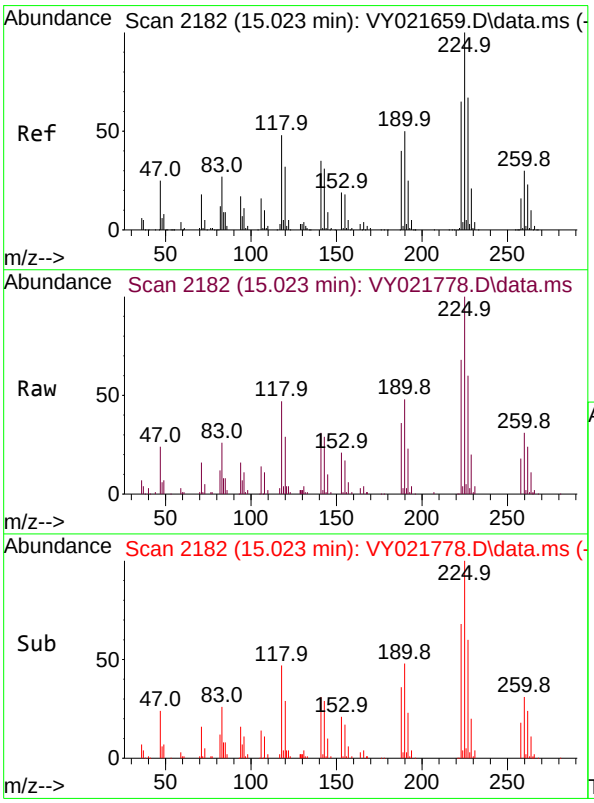
#93
1,2,4-Trichlorobenzene
Concen: 17.892 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:180 Resp: 45347

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	31.7	14.9	44.9

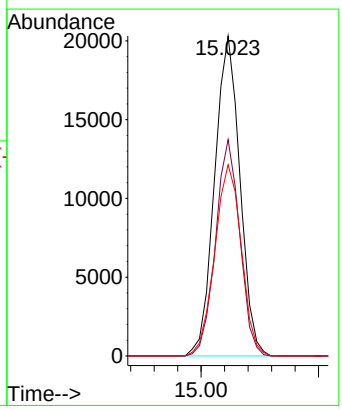


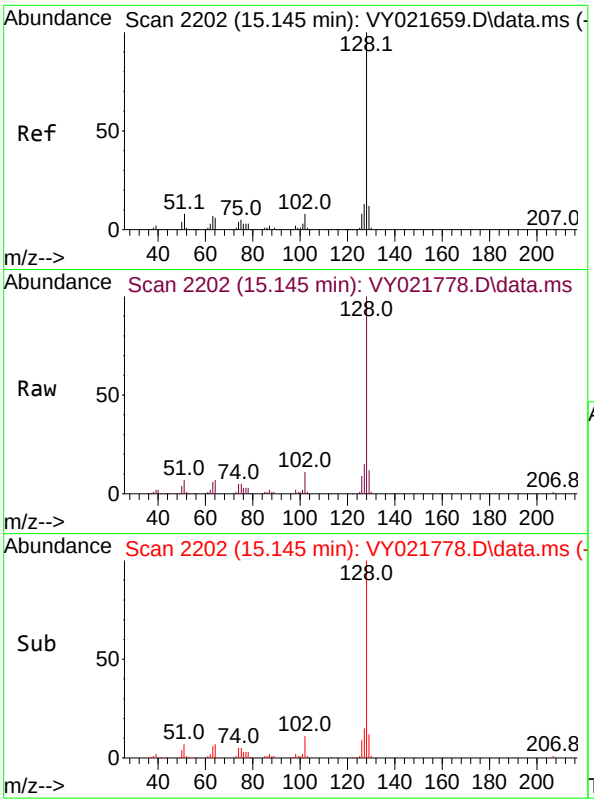


#94
Hexachlorobutadiene
Concen: 19.201 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:225 Resp: 30393

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.9	95.7
227	62.7	32.4	97.0



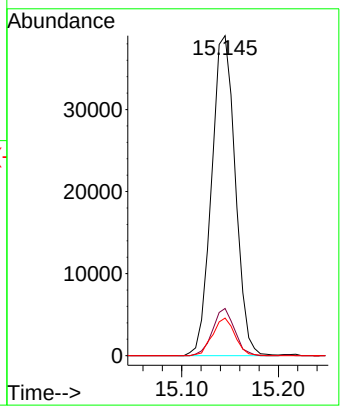


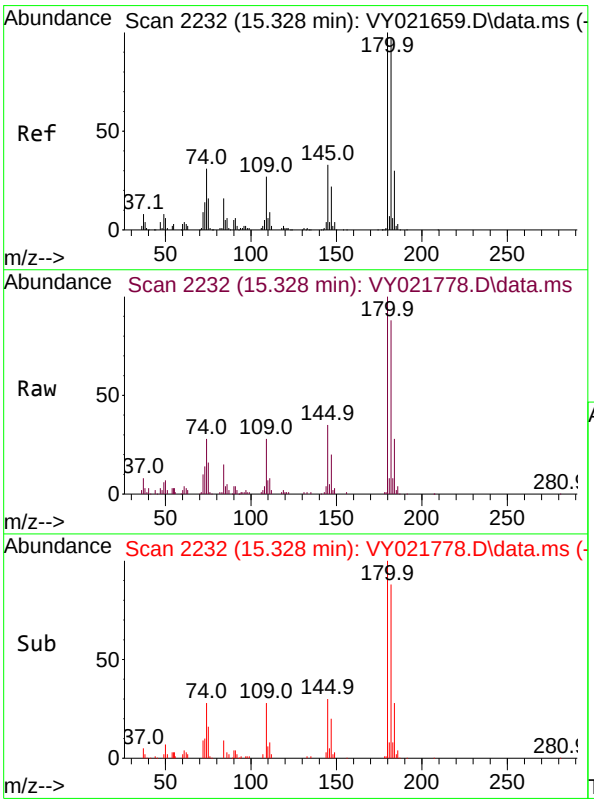
#95
Naphthalene
Concen: 15.803 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBS01

Tgt Ion:128 Resp: 66390

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.2	8.8	13.2

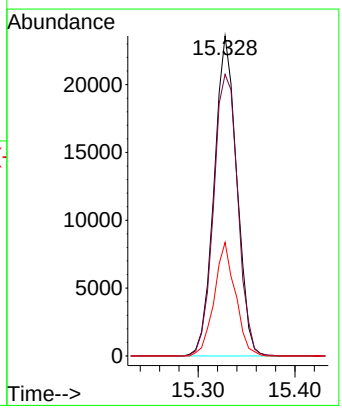




#96
1,2,3-Trichlorobenzene
Concen: 17.723 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021778.D
Acq: 04 Apr 2025 10:26

Tgt Ion:180 Resp: 38305

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	33.1	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	222129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	299516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119747	49.756	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.520%			
35) Dibromofluoromethane	7.634	113	115582	52.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.140%			
50) Toluene-d8	10.103	98	437387	51.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.408	95	145713	51.018	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	42153	18.309	ug/l	98
3) Chloromethane	2.068	50	59338	18.329	ug/l	98
4) Vinyl Chloride	2.202	62	66651	18.205	ug/l	98
5) Bromomethane	2.592	94	47838	19.158	ug/l	96
6) Chloroethane	2.732	64	44266	18.477	ug/l	99
7) Trichlorofluoromethane	3.056	101	86996	18.549	ug/l	97
8) Diethyl Ether	3.458	74	23057	18.078	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	47581	19.235	ug/l	98
10) Methyl Iodide	4.000	142	47402	17.468	ug/l	99
11) Tert butyl alcohol	4.872	59	13129	83.987	ug/l	96
12) 1,1-Dichloroethene	3.787	96	43256	18.565	ug/l	94
13) Acrolein	3.653	56	17313	60.655	ug/l	95
14) Allyl chloride	4.385	41	67244	18.101	ug/l	99
15) Acrylonitrile	5.055	53	47972	90.082	ug/l	99
16) Acetone	3.872	43	39791	80.784	ug/l	96
17) Carbon Disulfide	4.104	76	136817	17.828	ug/l	99
18) Methyl Acetate	4.378	43	21903	17.942	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	102651	17.696	ug/l	97
20) Methylene Chloride	4.610	84	48920	17.807	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	47181	18.392	ug/l	94
22) Diisopropyl ether	6.018	45	146004	18.736	ug/l	97
23) Vinyl Acetate	5.957	43	405658	88.983	ug/l	100
24) 1,1-Dichloroethane	5.909	63	87235	18.721	ug/l	99
25) 2-Butanone	6.896	43	59419	84.459	ug/l	99
26) 2,2-Dichloropropane	6.884	77	77434	18.682	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53338	18.489	ug/l	99
28) Bromochloromethane	7.244	49	38032	19.353	ug/l	99
29) Tetrahydrofuran	7.262	42	39739	87.766	ug/l	99
30) Chloroform	7.421	83	90247	18.621	ug/l	98
31) Cyclohexane	7.701	56	75857	17.858	ug/l #	94
32) 1,1,1-Trichloroethane	7.616	97	83924	19.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66042	19.535	ug/l	99
37) Ethyl Acetate	6.982	43	29052	18.209	ug/l	99
38) Carbon Tetrachloride	7.817	117	75873	19.595	ug/l	98
39) Methylcyclohexane	9.109	83	74878	18.540	ug/l	97
40) Benzene	8.079	78	193271	19.090	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	11507	13.580	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	54392	19.057	ug/l		100
43) Isopropyl Acetate	8.195	43	54667	18.080	ug/l		99
44) Trichloroethene	8.865	130	50130	19.433	ug/l		98
45) 1,2-Dichloropropane	9.140	63	46400	19.361	ug/l		100
46) Dibromomethane	9.231	93	25939	18.781	ug/l		98
47) Bromodichloromethane	9.420	83	69458	19.408	ug/l		99
48) Methyl methacrylate	9.219	41	25306	18.236	ug/l		97
49) 1,4-Dioxane	9.231	88	5687	384.365	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	141751	90.088	ug/l		99
52) Toluene	10.170	92	119838	18.972	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	59854	18.829	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	69651	18.573	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	34633	19.485	ug/l		99
56) Ethyl methacrylate	10.438	69	40910	18.026	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57918	18.868	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	105979	95.722	ug/l		100
59) 2-Hexanone	10.761	43	92448	88.221	ug/l		98
60) Dibromochloromethane	10.908	129	46610	19.207	ug/l		99
61) 1,2-Dibromoethane	11.011	107	31579	18.940	ug/l		99
64) Tetrachloroethene	10.646	164	55676	20.410	ug/l		99
65) Chlorobenzene	11.444	112	131622	19.170	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	46936	19.267	ug/l		99
67) Ethyl Benzene	11.517	91	223644	18.996	ug/l		99
68) m/p-Xylenes	11.627	106	173569	38.499	ug/l		99
69) o-Xylene	11.956	106	78213	18.794	ug/l		98
70) Styrene	11.969	104	132607	19.111	ug/l		99
71) Bromoform	12.133	173	27344	19.678	ug/l	#	99
73) Isopropylbenzene	12.255	105	211355	18.722	ug/l		100
74) N-amyl acetate	12.072	43	45960	17.347	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36248	17.859	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	49009	32.529	ug/l	#	100
77) Bromobenzene	12.529	156	50842	18.757	ug/l		99
78) n-propylbenzene	12.597	91	259575	19.126	ug/l		100
79) 2-Chlorotoluene	12.676	91	149376	18.949	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	174371	18.899	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11725	17.932	ug/l		98
82) 4-Chlorotoluene	12.779	91	156430	19.034	ug/l		100
83) tert-Butylbenzene	12.999	119	154652	18.819	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	173659	19.044	ug/l		99
85) sec-Butylbenzene	13.176	105	231681	19.291	ug/l		100
86) p-Isopropyltoluene	13.291	119	190946	19.237	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	102012	19.103	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	99610	18.879	ug/l		97
89) n-Butylbenzene	13.615	91	171547	18.688	ug/l		99
90) Hexachloroethane	13.877	117	41020	18.858	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	89545	19.263	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5695	18.104	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	46354	18.388	ug/l		99
94) Hexachlorobutadiene	15.023	225	30099	19.118	ug/l		99
95) Naphthalene	15.145	128	71772	17.176	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39094	18.186	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

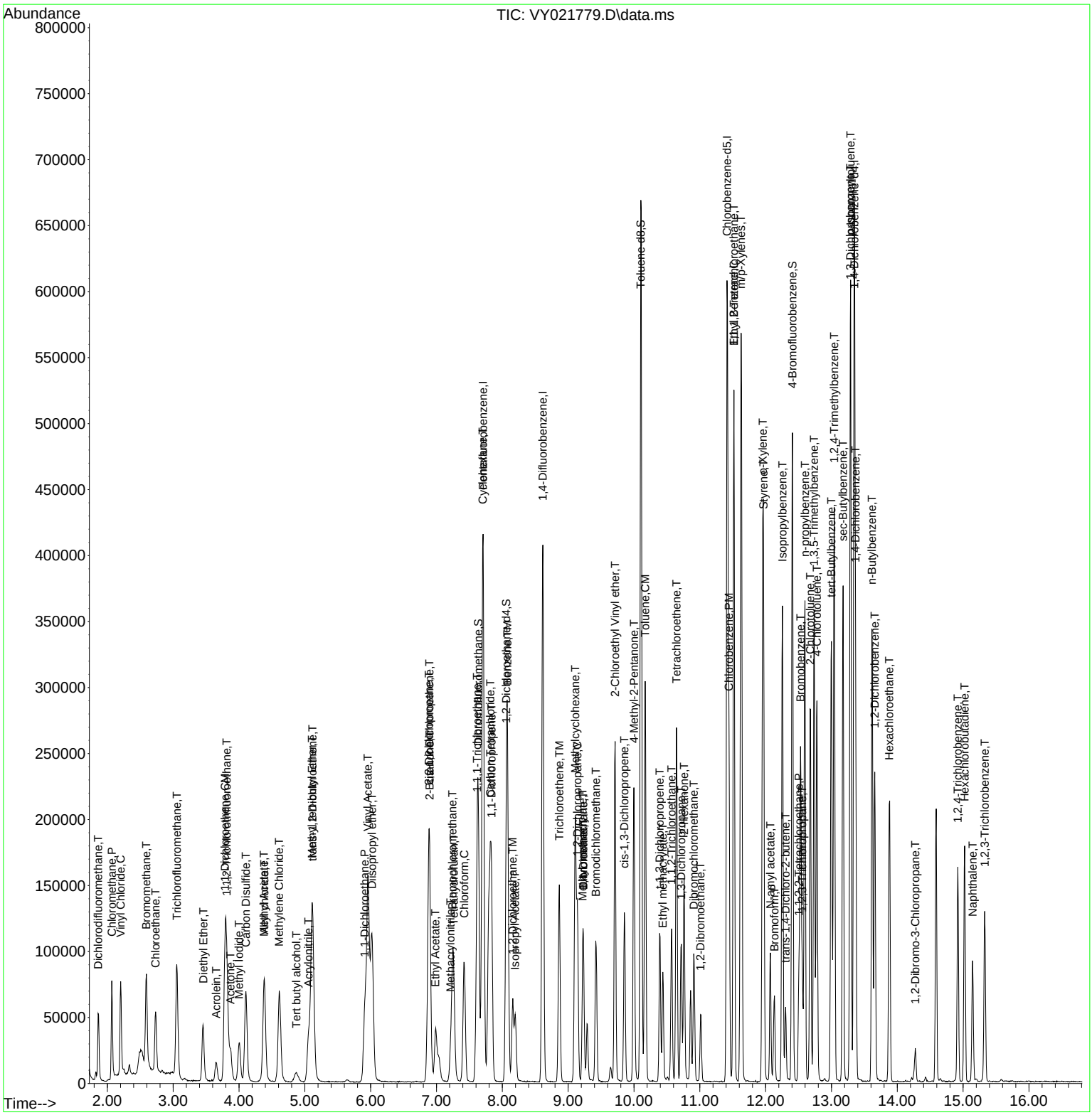
(#) = qualifier out of range (m) = manual integration (+) = signals summed

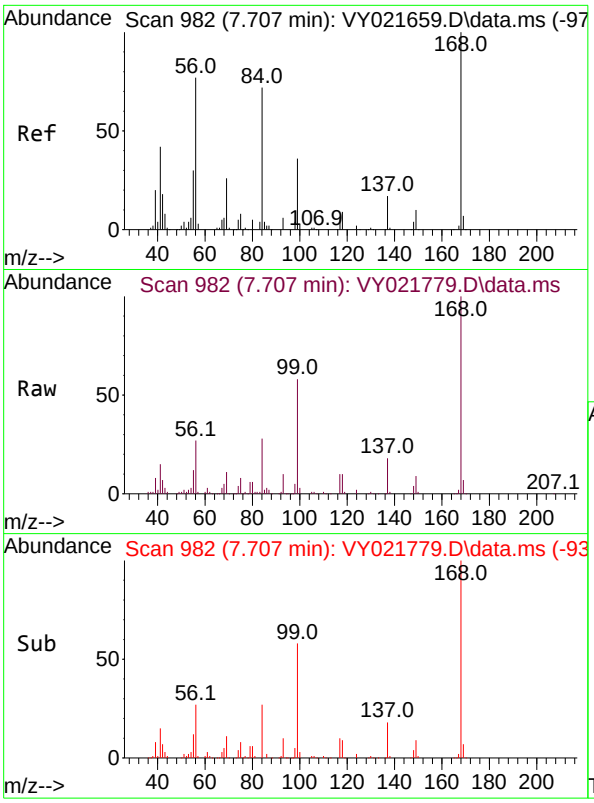
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021779.D
Acq On : 04 Apr 2025 10:49
Operator : SY/MD
Sample : VY0404SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Quant Time: Apr 04 23:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



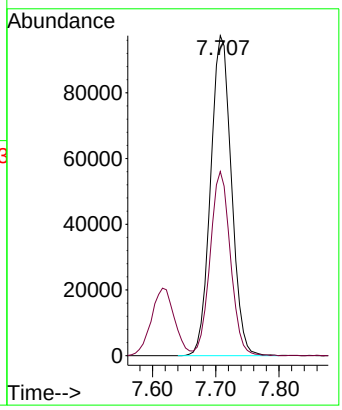


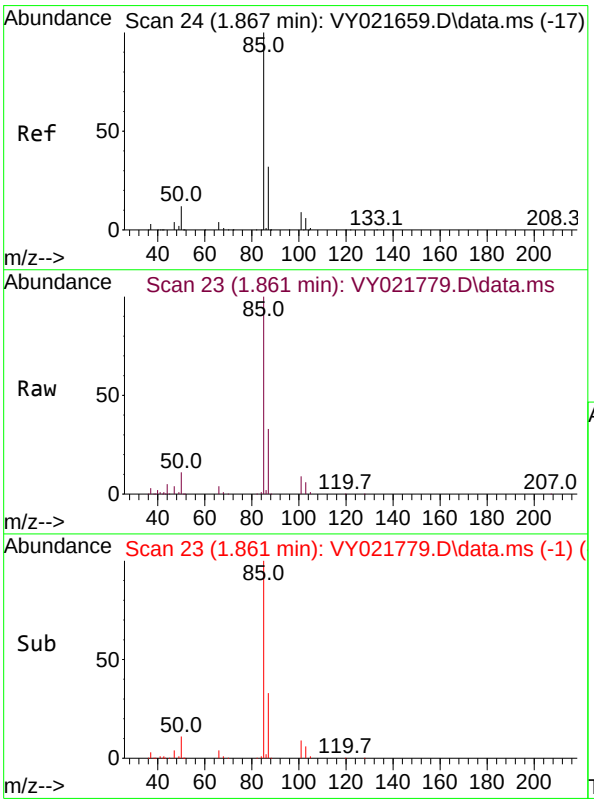
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:168 Resp: 222129

Ion	Ratio	Lower	Upper
168	100		
99	57.6	46.7	70.1

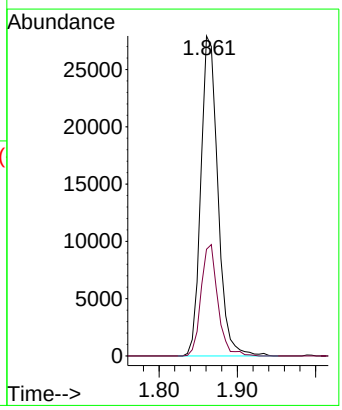


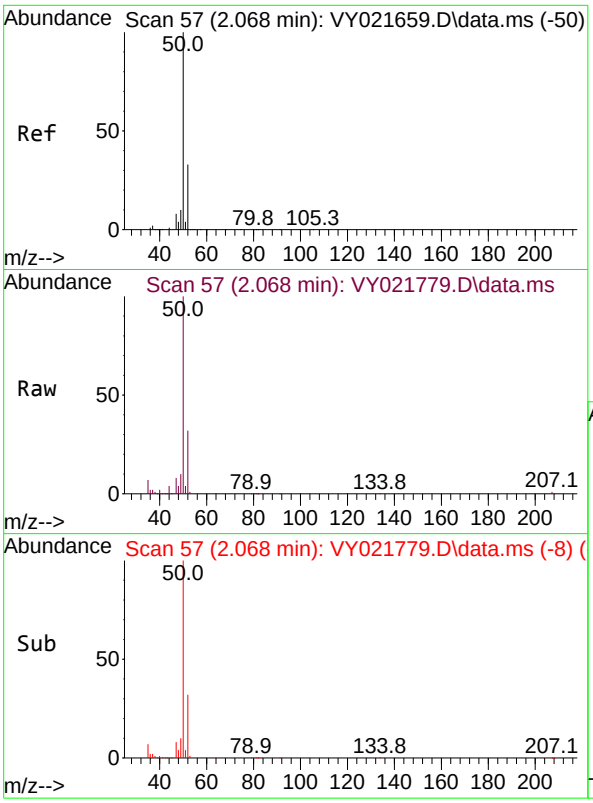


#2
Dichlorodifluoromethane
Concen: 18.309 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 85 Resp: 42153

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.2	48.6



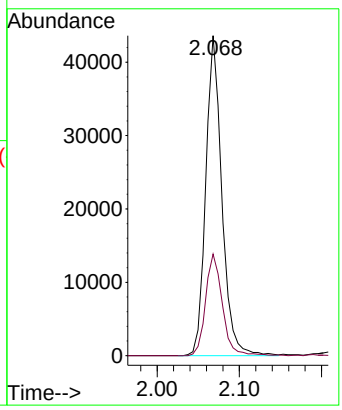


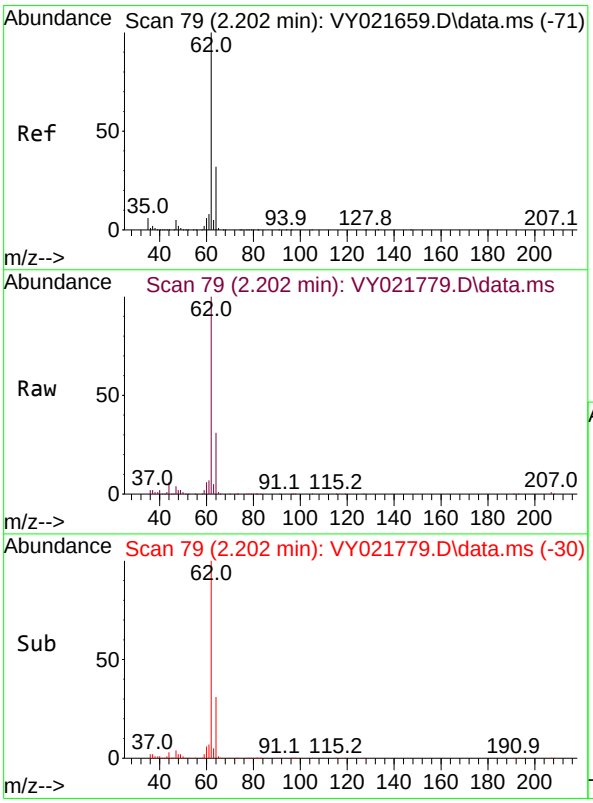
#3
Chloromethane
Concen: 18.329 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 50 Resp: 59338

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.3	39.5

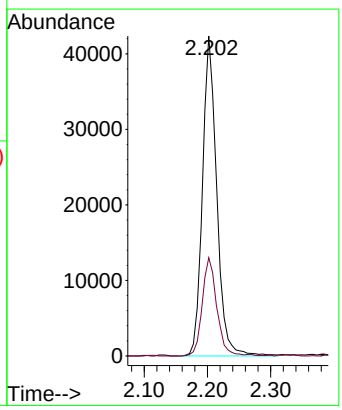


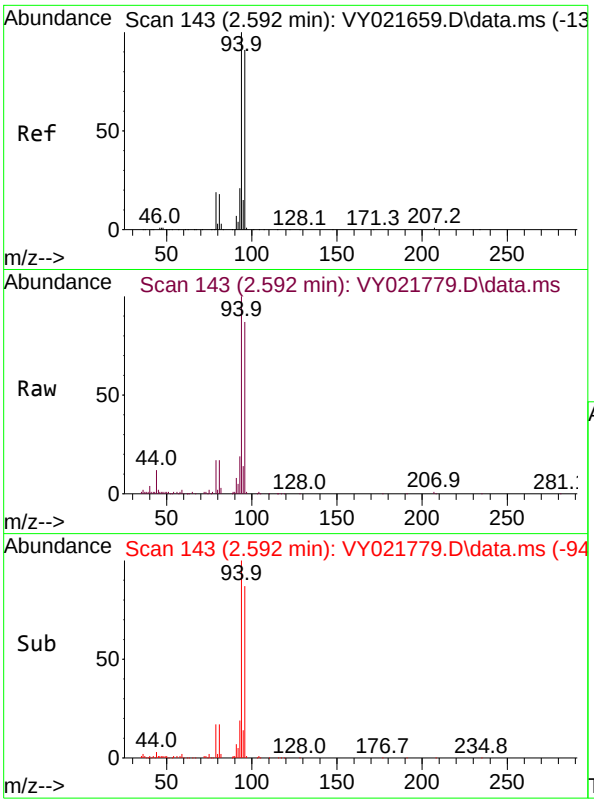


#4
Vinyl Chloride
Concen: 18.205 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 62 Resp: 66651

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.5	38.3



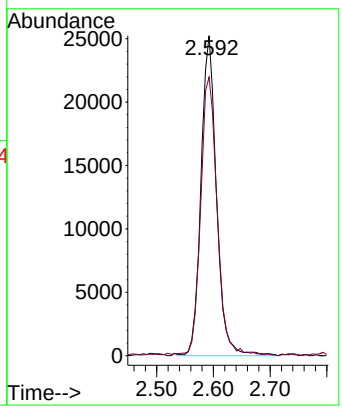


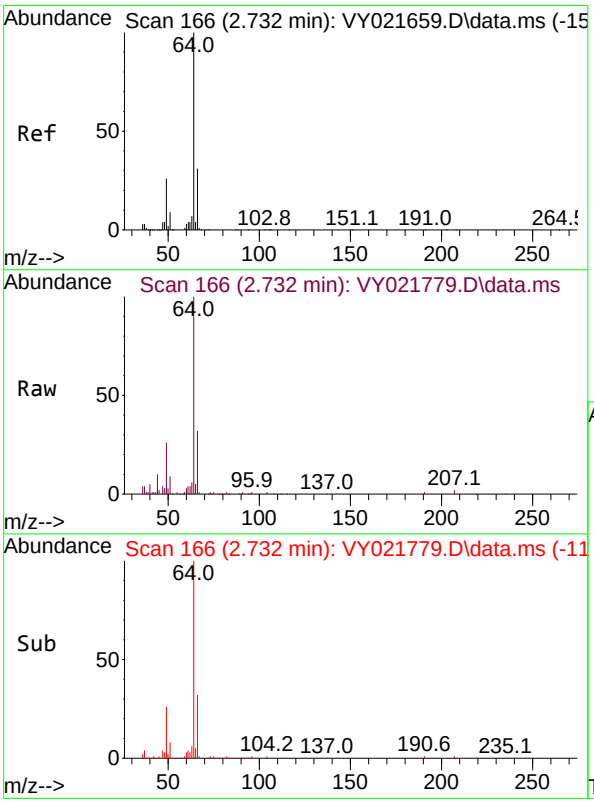
#5
Bromomethane
Concen: 19.158 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 94 Resp: 47838

Ion	Ratio	Lower	Upper
94	100		
96	87.0	72.8	109.2

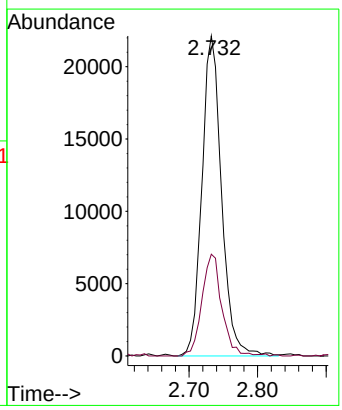


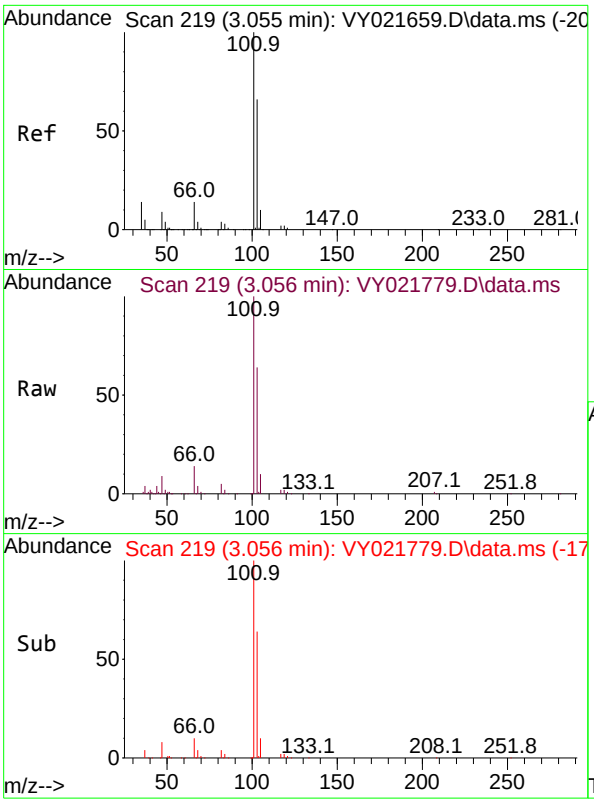


#6
Chloroethane
Concen: 18.477 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 64 Resp: 44266

Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.9	37.3



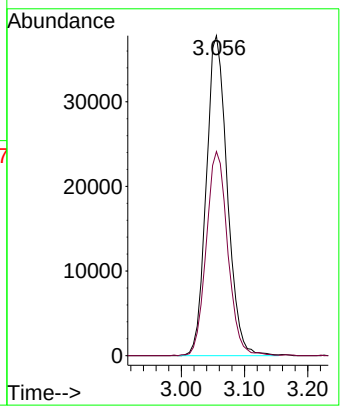


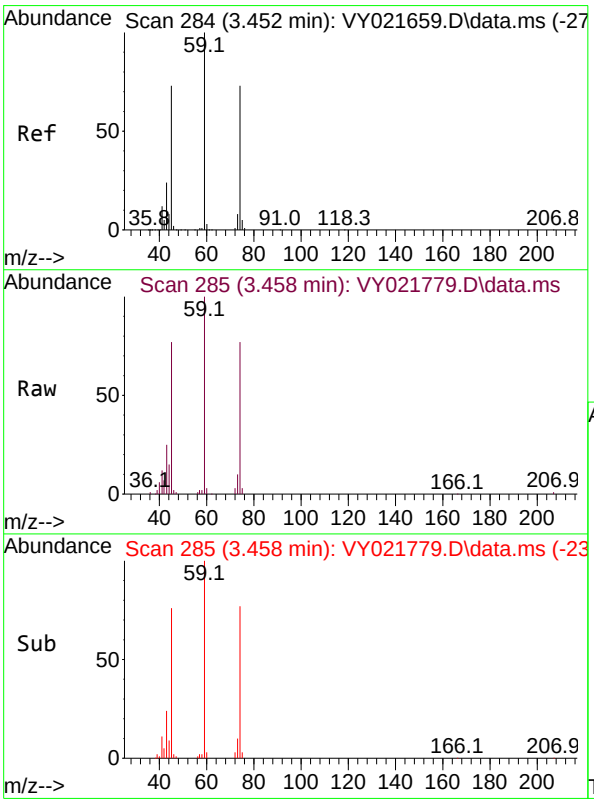
#7
Trichlorofluoromethane
Concen: 18.549 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:101 Resp: 86996

Ion	Ratio	Lower	Upper
101	100		
103	63.8	53.1	79.7

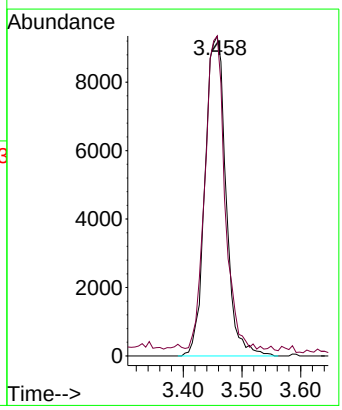


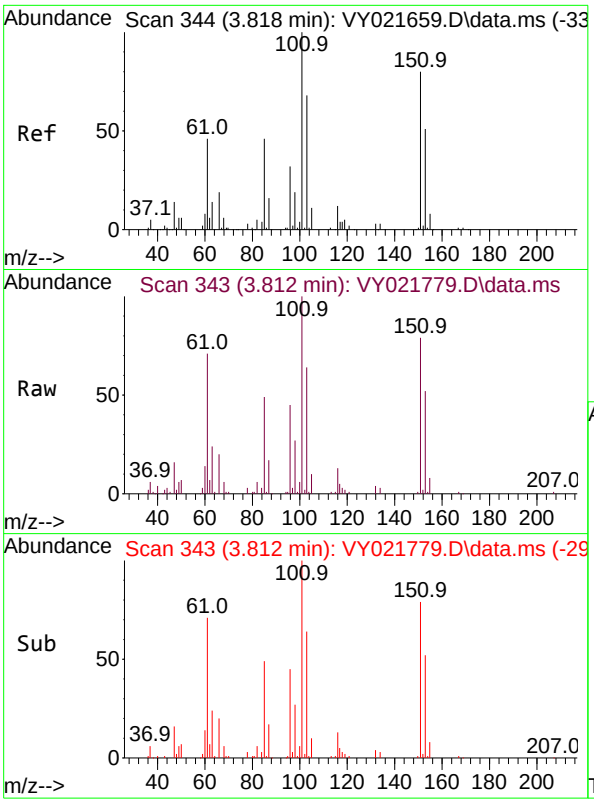


#8
Diethyl Ether
Concen: 18.078 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 74 Resp: 23057

Ion	Ratio	Lower	Upper
74	100		
45	92.7	48.6	145.8



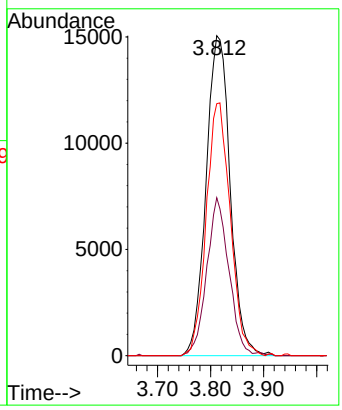


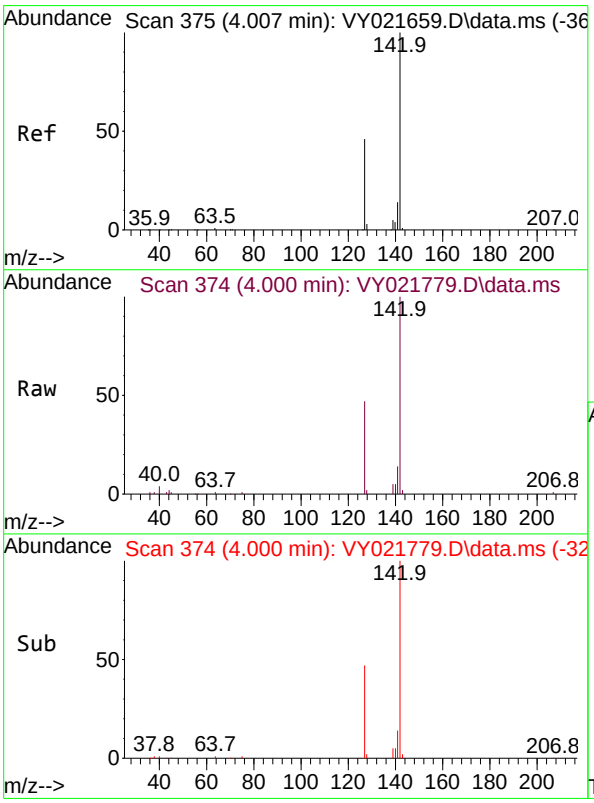
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.235 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:101 Resp: 47581

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.3	54.5
151	78.7	61.3	91.9

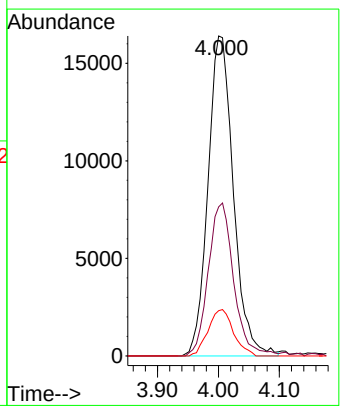


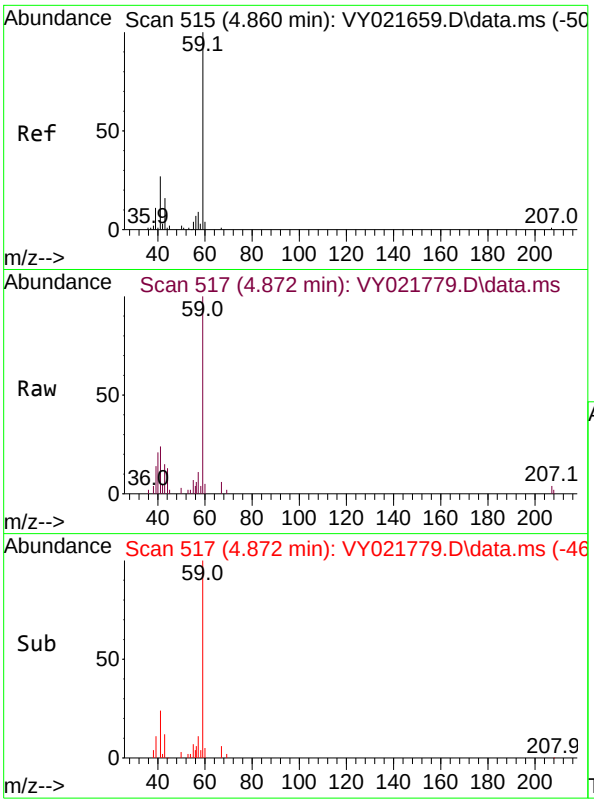


#10
Methyl Iodide
Concen: 17.468 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:142 Resp: 47402

Ion	Ratio	Lower	Upper
142	100		
127	47.8	38.7	58.1
141	14.5	11.5	17.3



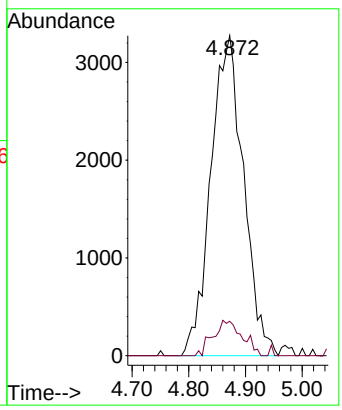


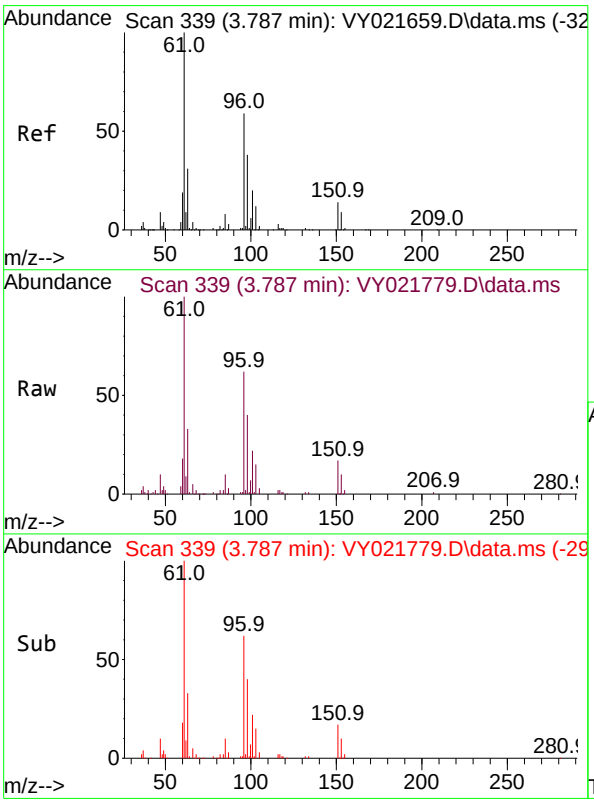
#11
Tert butyl alcohol
Concen: 83.987 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 59 Resp: 13129

Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.2	13.8

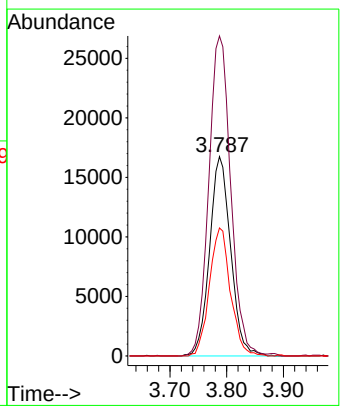


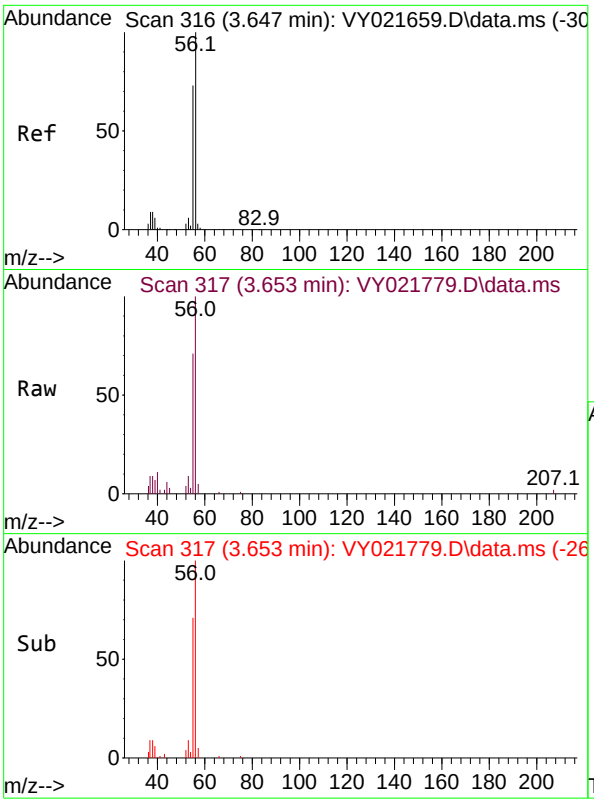


#12
1,1-Dichloroethene
Concen: 18.565 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 96 Resp: 43256

Ion	Ratio	Lower	Upper
96	100		
61	160.5	136.6	204.8
98	64.2	52.3	78.5



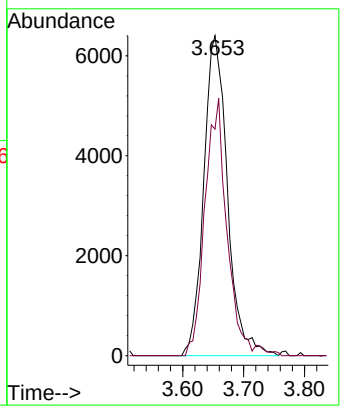


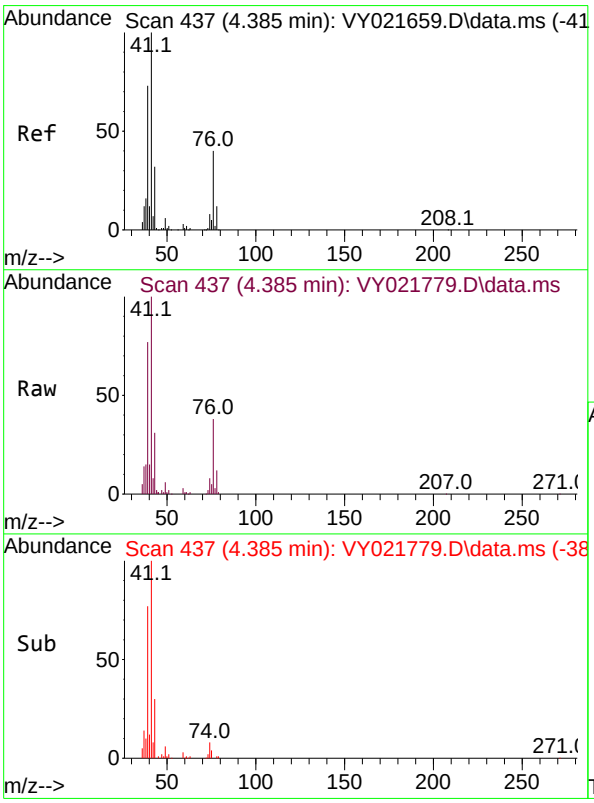
#13
Acrolein
Concen: 60.655 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 56 Resp: 17313

Ion	Ratio	Lower	Upper
56	100		
55	75.3	56.6	85.0

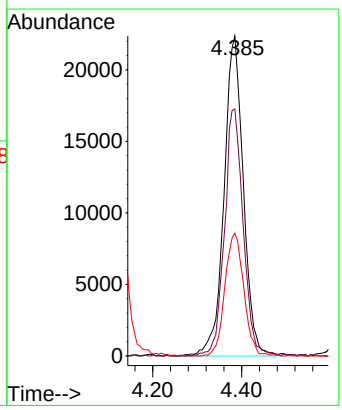


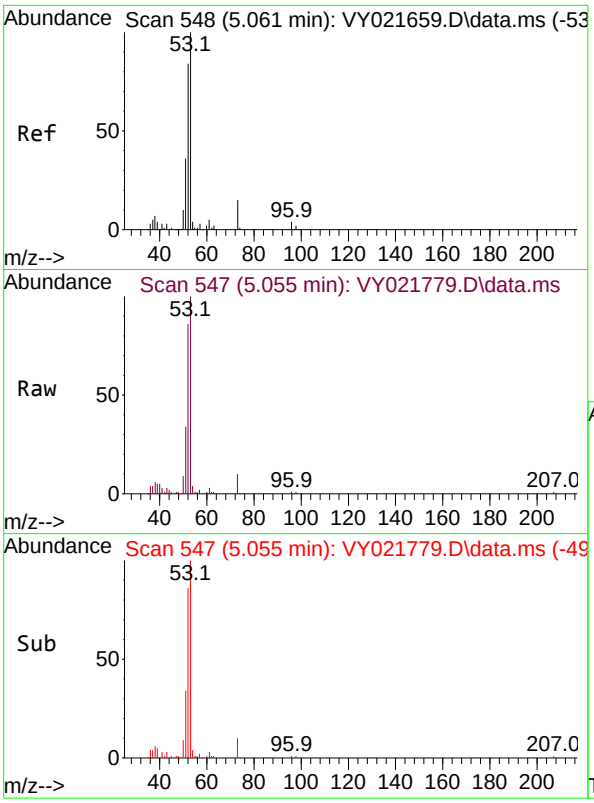


#14
Allyl chloride
Concen: 18.101 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 41 Resp: 67244

Ion	Ratio	Lower	Upper
41	100		
39	74.9	58.6	88.0
76	37.7	30.3	45.5



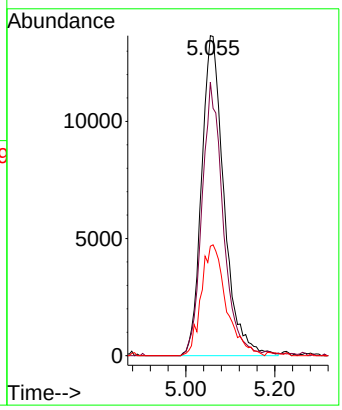


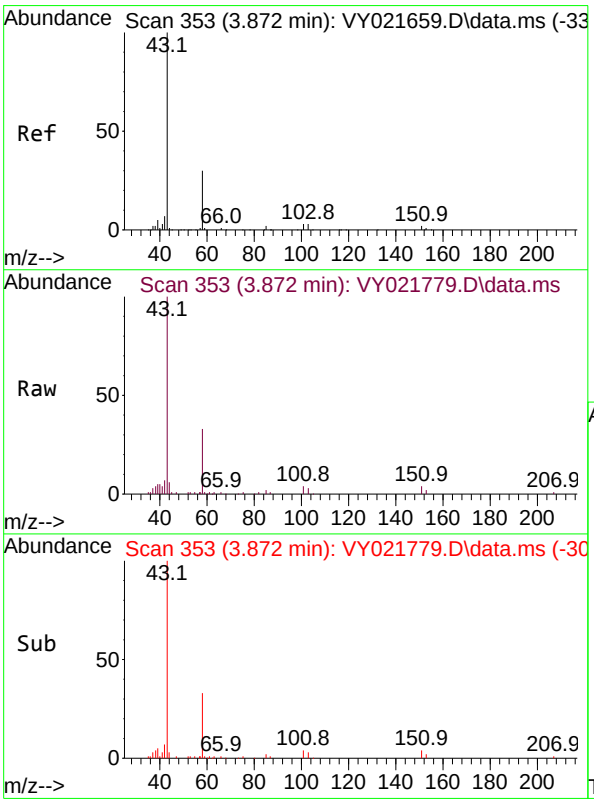
#15
Acrylonitrile
Concen: 90.082 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 53 Resp: 47972

Ion	Ratio	Lower	Upper
53	100		
52	80.3	64.9	97.3
51	38.6	30.2	45.2

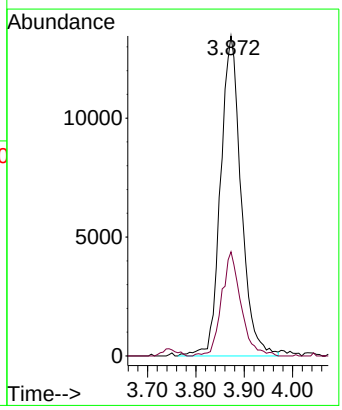


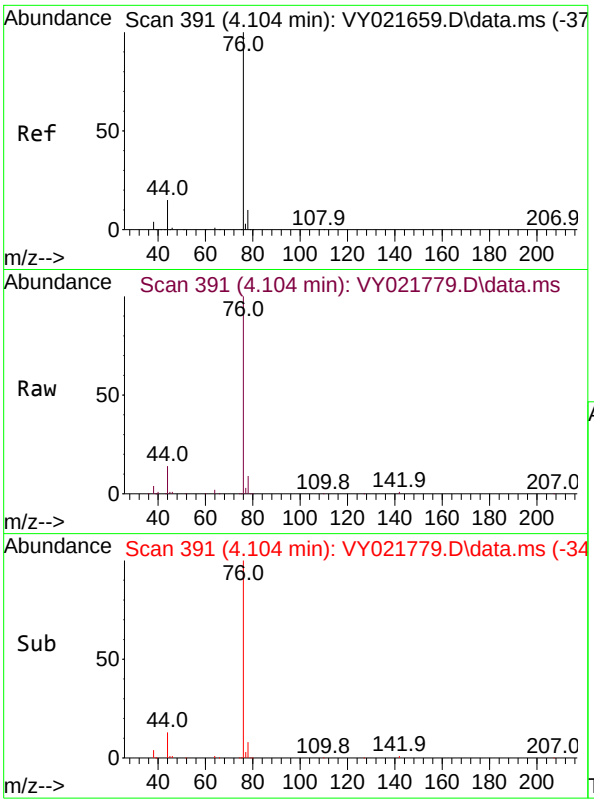


#16
Acetone
Concen: 80.784 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 39791

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.2	36.4



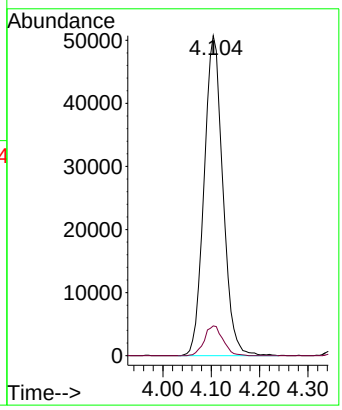


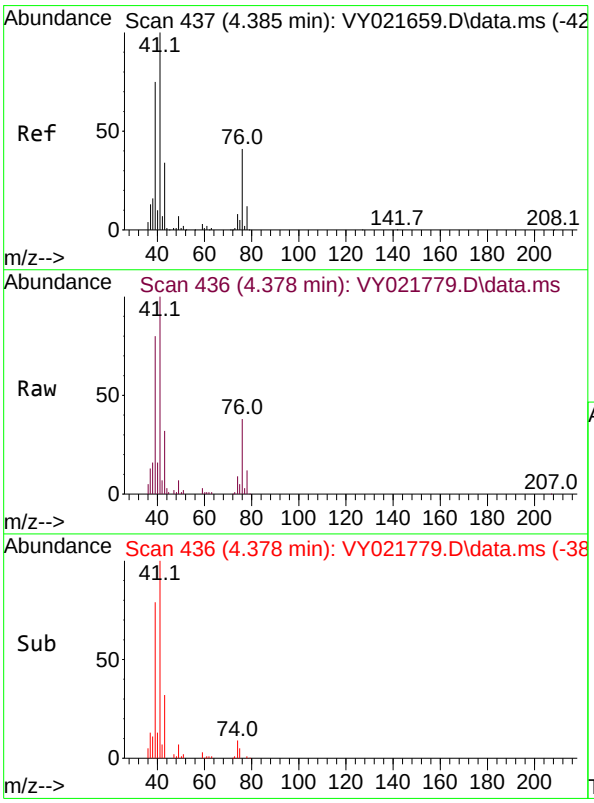
#17
Carbon Disulfide
Concen: 17.828 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 76 Resp: 136817

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

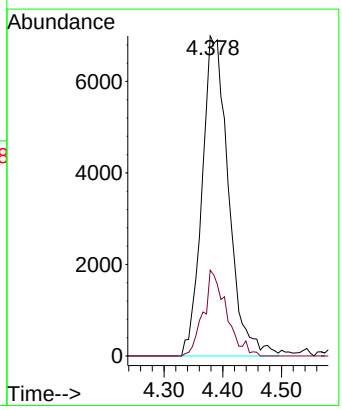


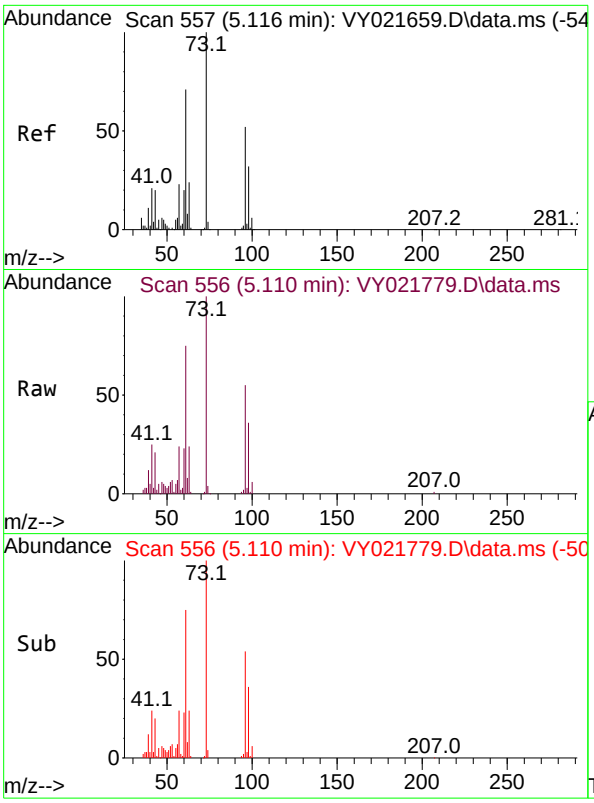


#18
Methyl Acetate
Concen: 17.942 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 21903

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.1	28.7



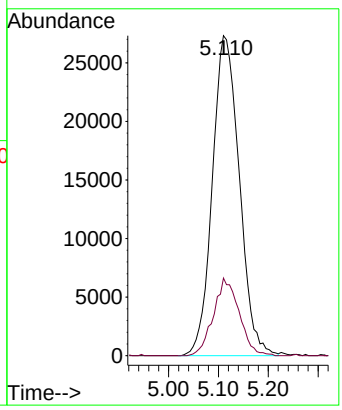


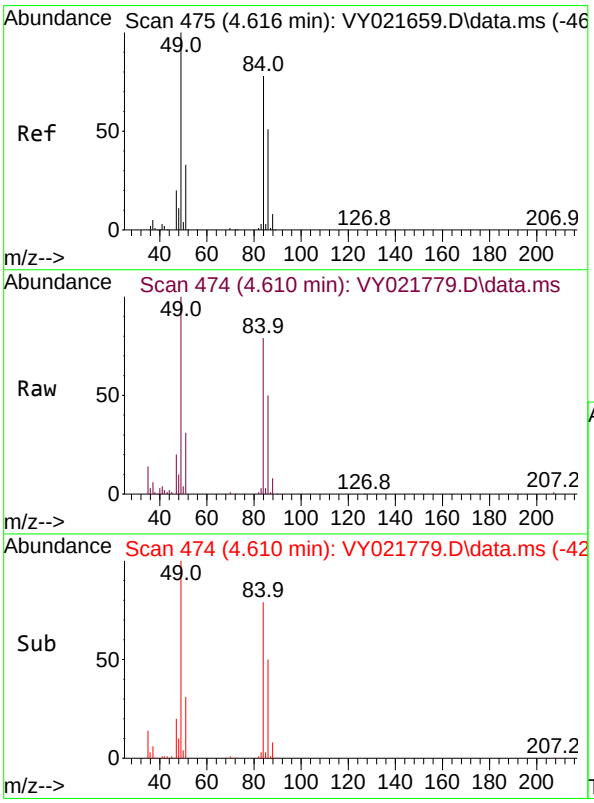
#19
Methyl tert-butyl Ether
Concen: 17.696 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 73 Resp: 102651

Ion	Ratio	Lower	Upper
73	100		
57	24.3	18.1	27.1

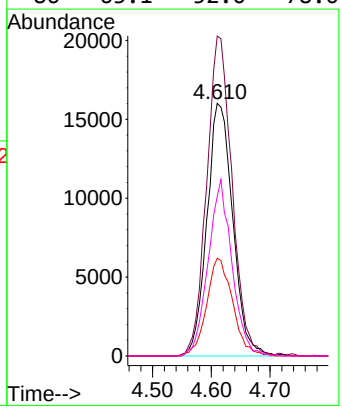


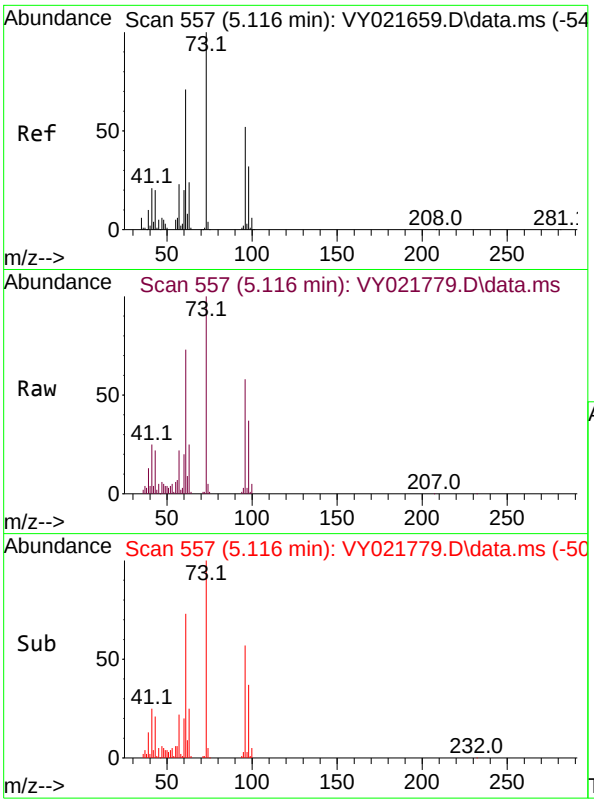


#20
Methylene Chloride
Concen: 17.807 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 84 Resp: 48920

Ion	Ratio	Lower	Upper
84	100		
49	126.7	102.8	154.2
51	38.7	33.5	50.3
86	63.1	52.0	78.0



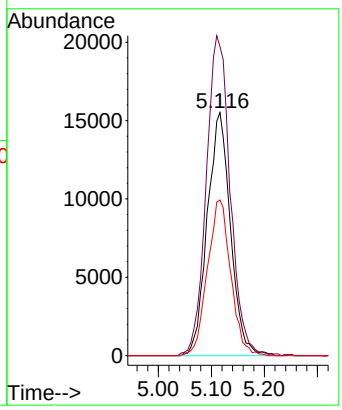


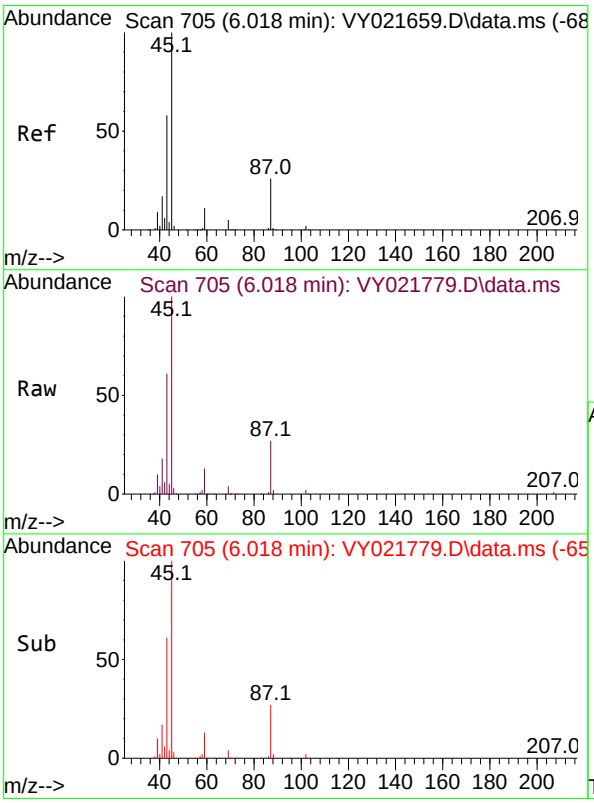
#21
trans-1,2-Dichloroethene
Concen: 18.392 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 96 Resp: 47181

Ion	Ratio	Lower	Upper
96	100		
61	127.1	109.4	164.0
98	64.0	50.2	75.2

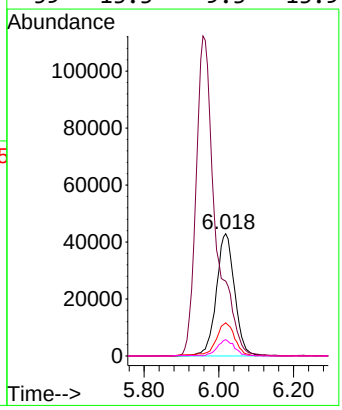


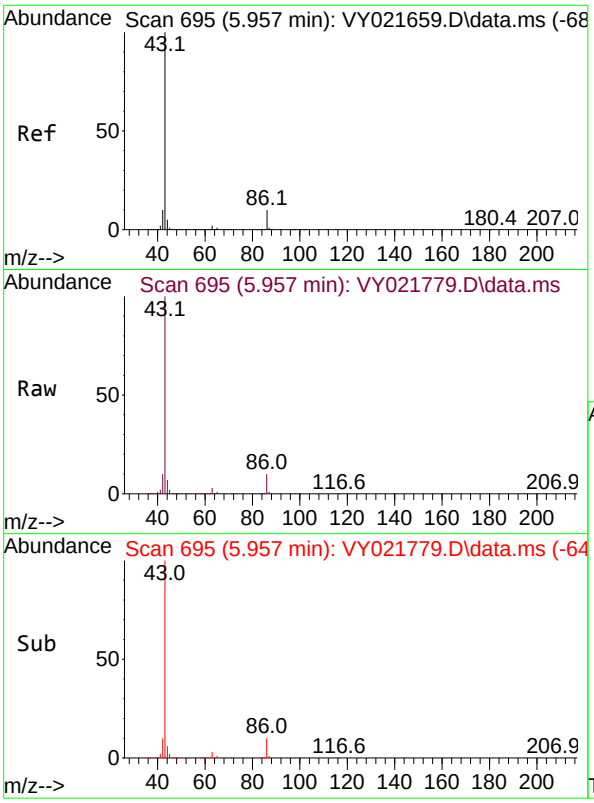


#22
Diisopropyl ether
Concen: 18.736 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 45 Resp: 146004

Ion	Ratio	Lower	Upper
45	100		
43	60.9	46.6	69.8
87	27.1	20.7	31.1
59	13.3	9.3	13.9



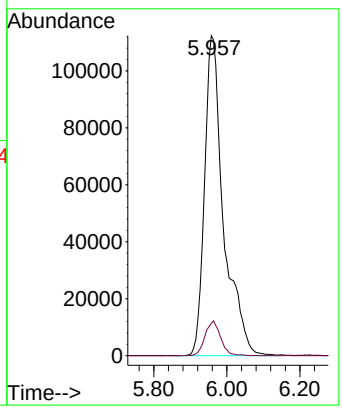


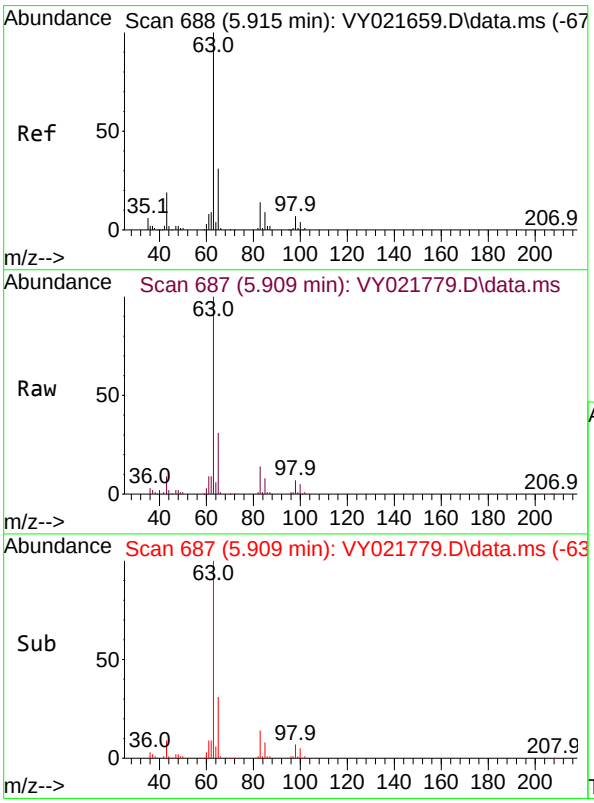
#23
Vinyl Acetate
Concen: 88.983 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 43 Resp: 405658

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2

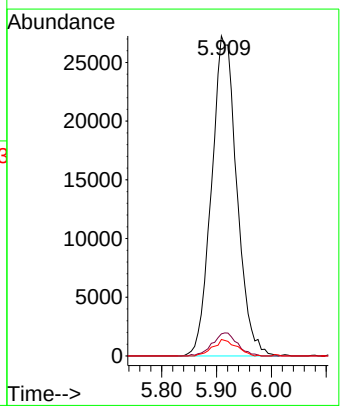


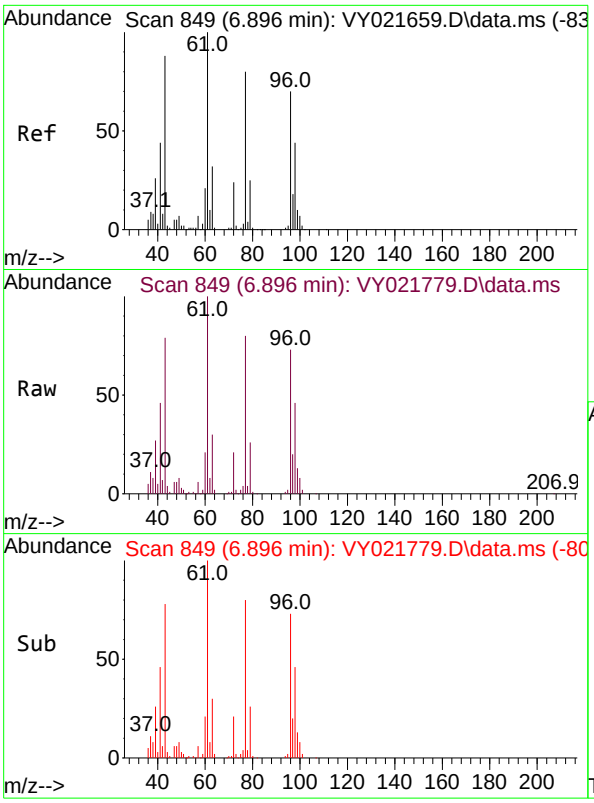


#24
1,1-Dichloroethane
Concen: 18.721 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 63 Resp: 87235

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	5.1	2.2	6.6



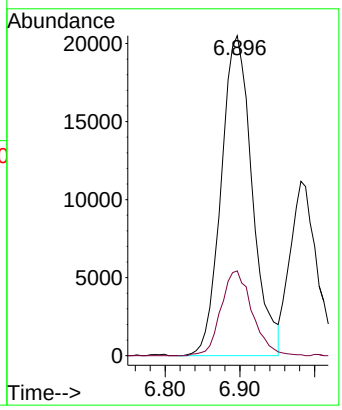


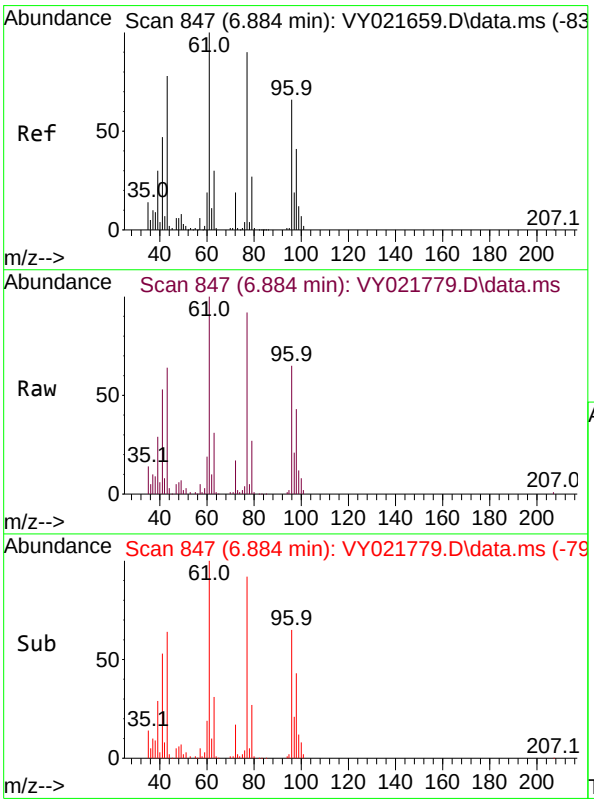
#25
2-Butanone
Concen: 84.459 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 43 Resp: 59419

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

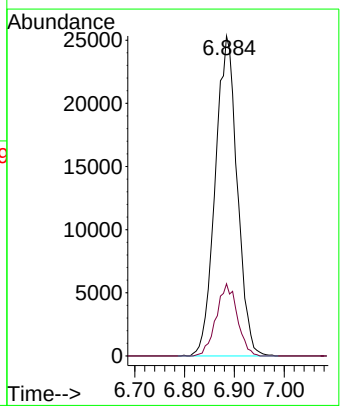


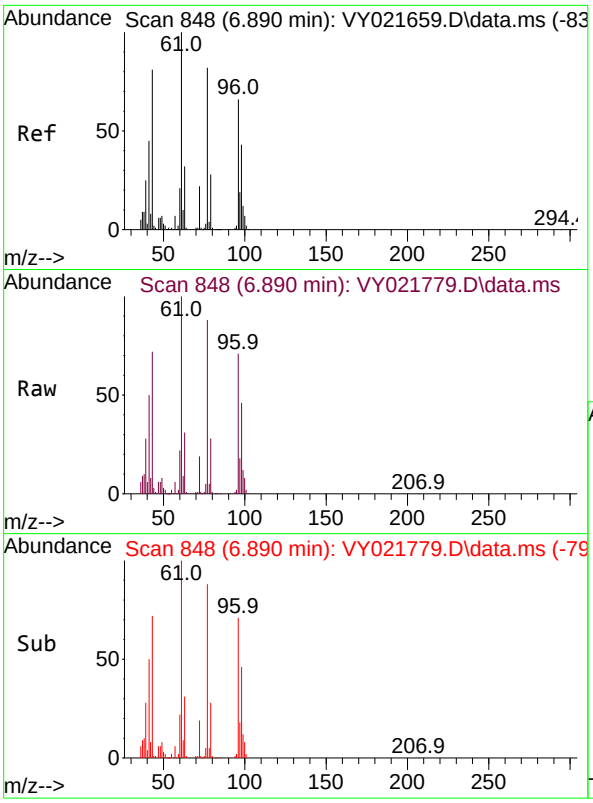


#26
2,2-Dichloropropane
Concen: 18.682 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 77 Resp: 77434

Ion	Ratio	Lower	Upper
77	100		
97	21.6	11.1	33.1



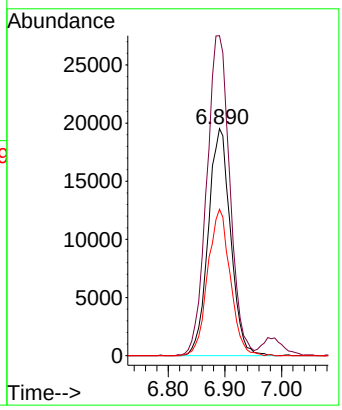


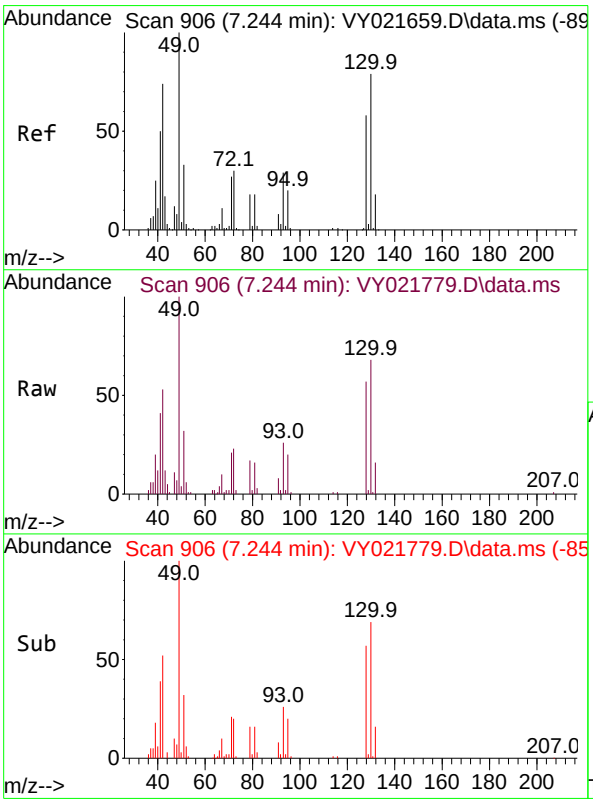
#27
cis-1,2-Dichloroethene
Concen: 18.489 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 96 Resp: 53338

Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	296.4
98	64.9	0.0	128.0

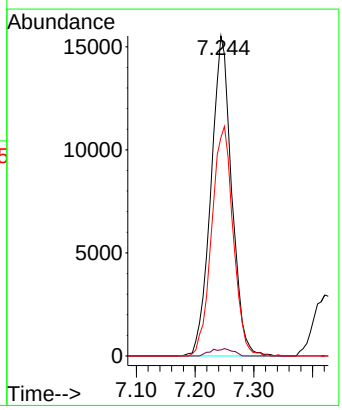


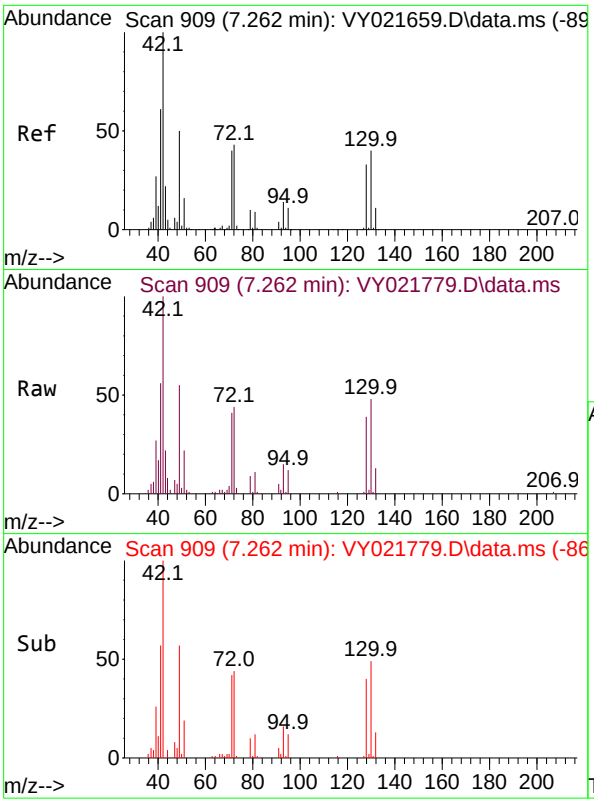


#28
Bromochloromethane
Concen: 19.353 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 49 Resp: 38032

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	74.3	60.1	90.1



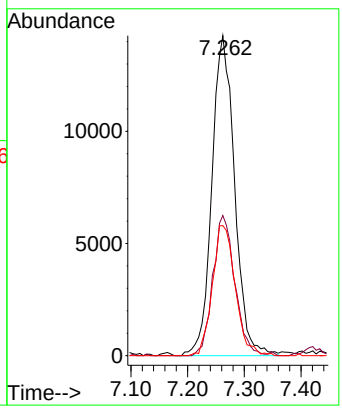


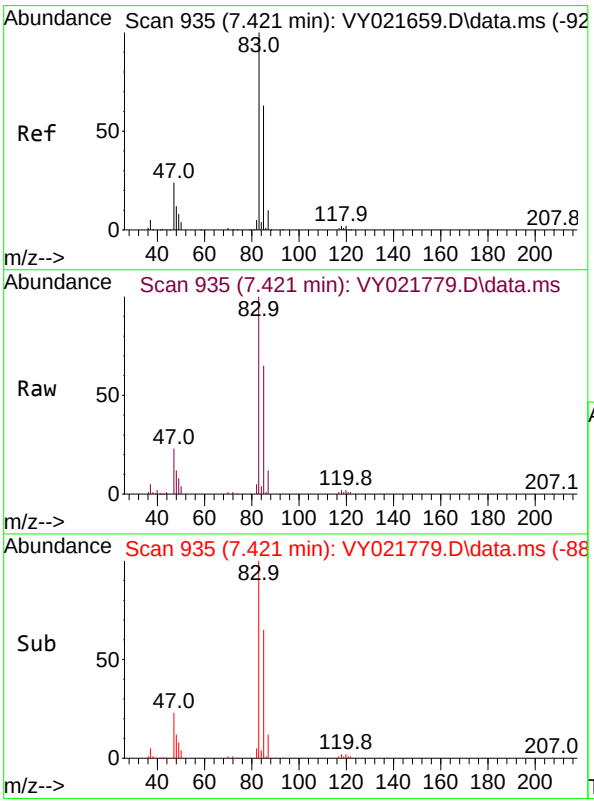
#29
Tetrahydrofuran
Concen: 87.766 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 42 Resp: 39739

Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.6	52.0
71	40.9	32.5	48.7

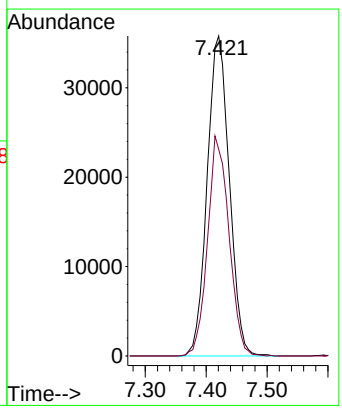


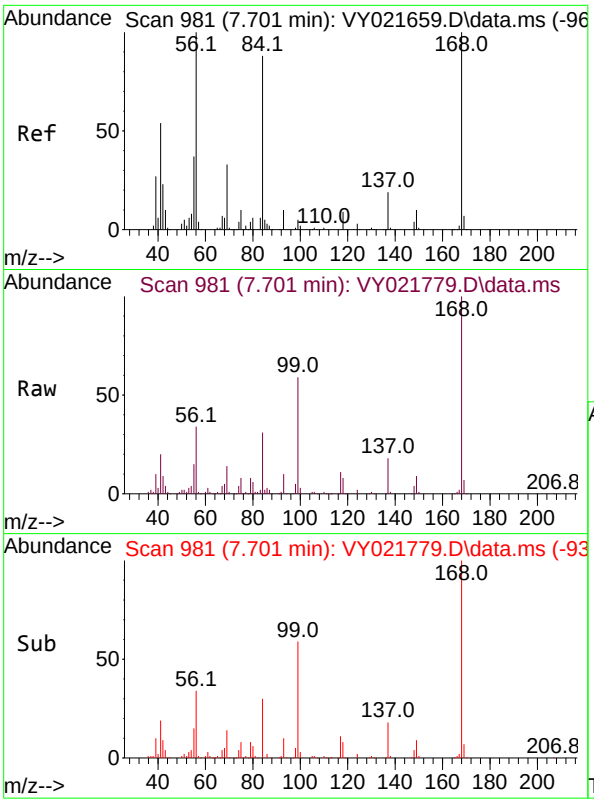


#30
Chloroform
Concen: 18.621 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 83 Resp: 90247

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8



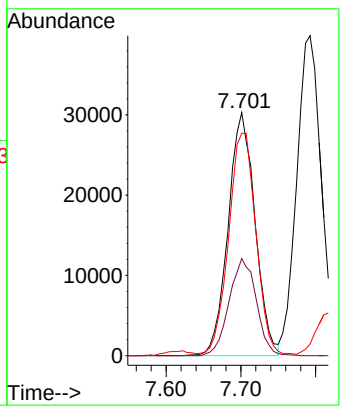


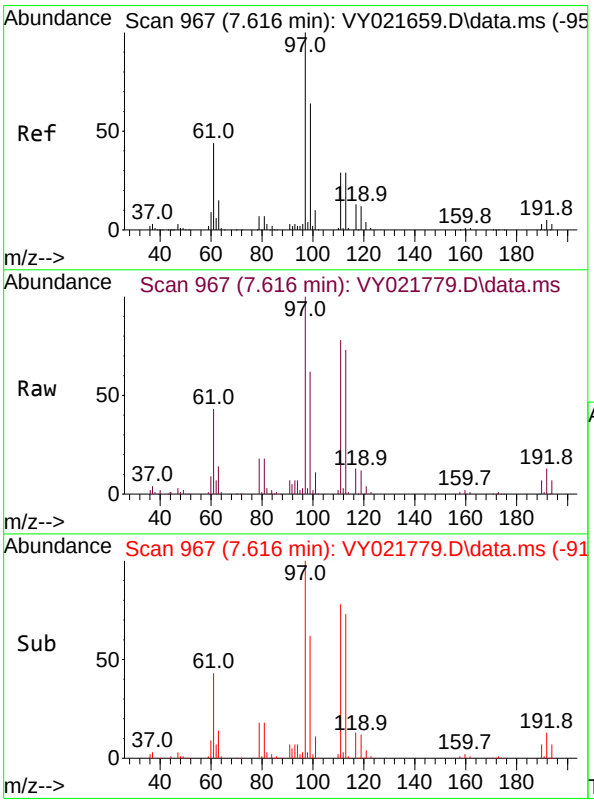
#31
Cyclohexane
Concen: 17.858 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 56 Resp: 75857

Ion	Ratio	Lower	Upper
56	100		
69	40.0	26.6	40.0#
84	89.8	69.0	103.4

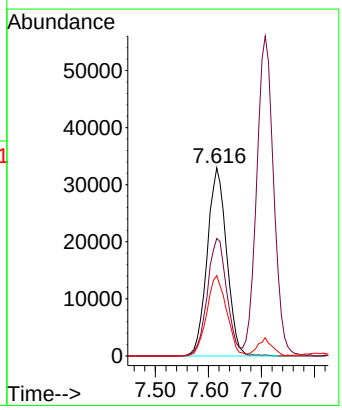


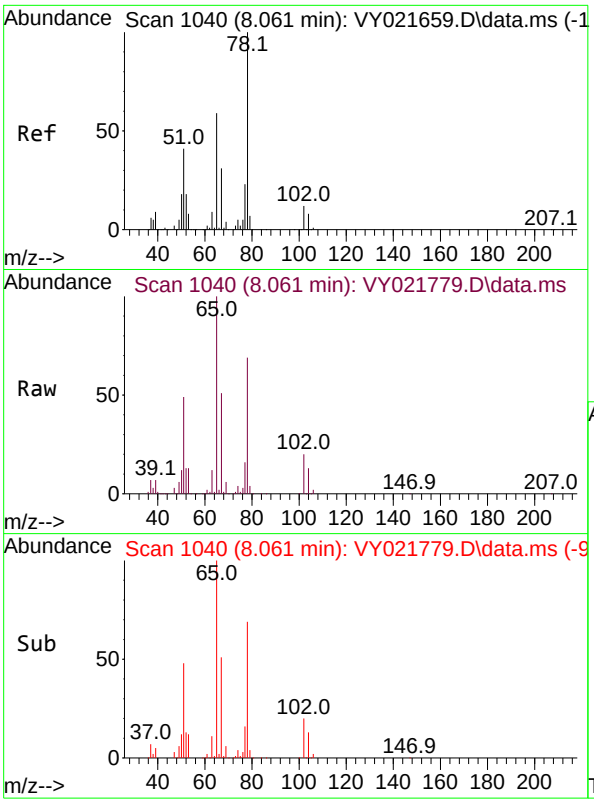


#32
1,1,1-Trichloroethane
Concen: 19.159 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 97 Resp: 83924

Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.7	76.1
61	43.7	35.2	52.8



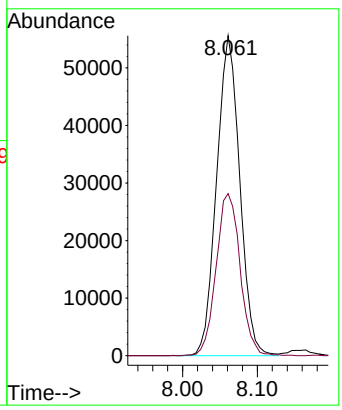


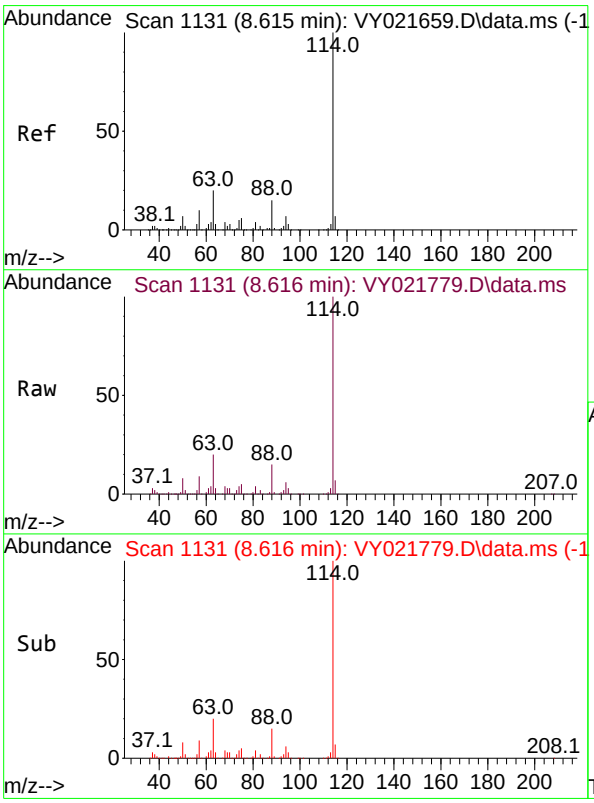
#33
1,2-Dichloroethane-d4
Concen: 49.756 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 65 Resp: 119747

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6

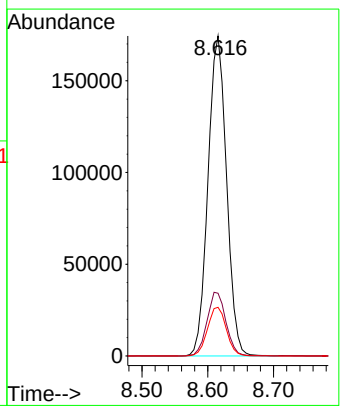


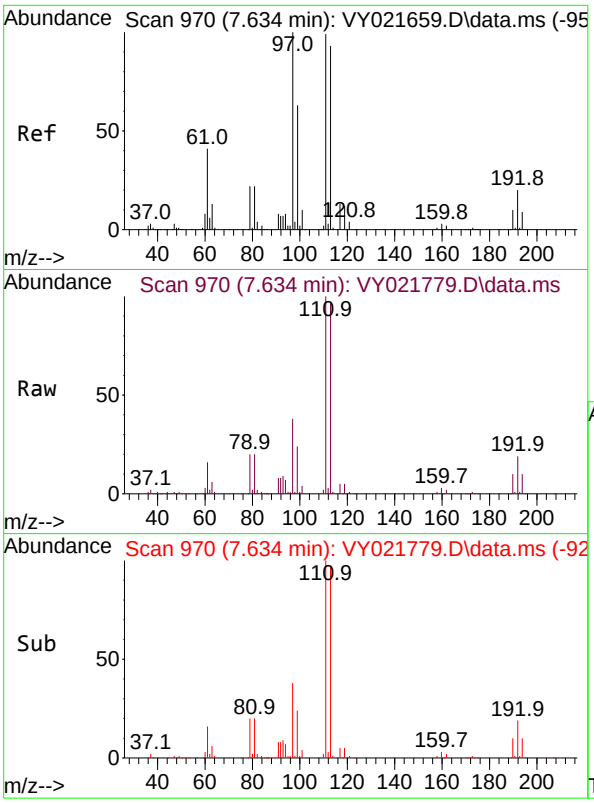


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:114 Resp: 342162

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.2
88	15.2	0.0	29.8



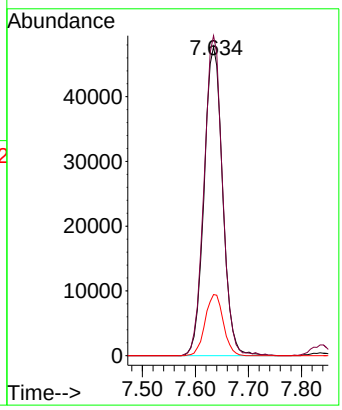


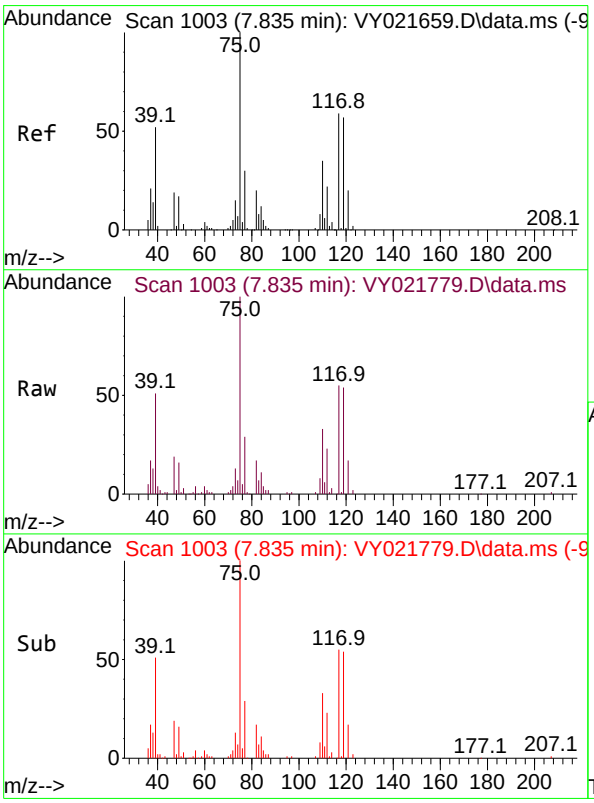
#35
Dibromofluoromethane
Concen: 52.075 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:113 Resp: 115582

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	19.5	16.2	24.4

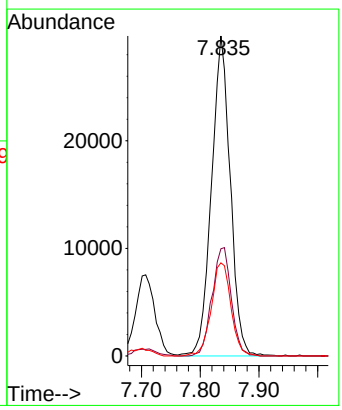


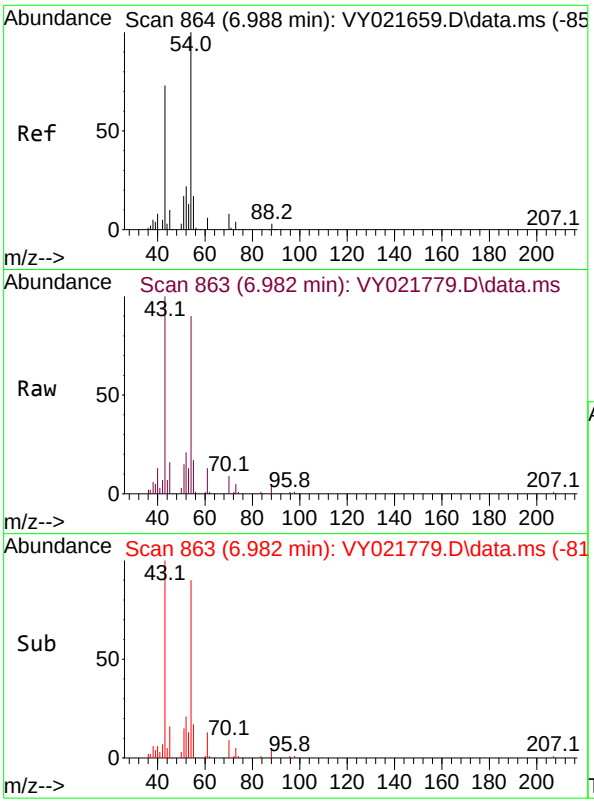


#36
1,1-Dichloropropene
Concen: 19.535 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 66042

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.0	50.9
77	30.5	24.8	37.2



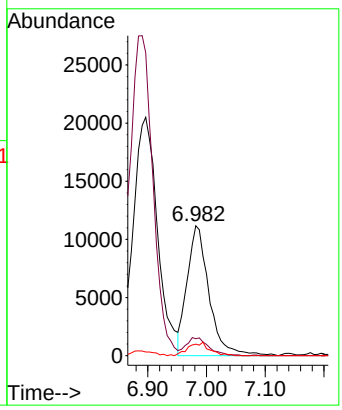


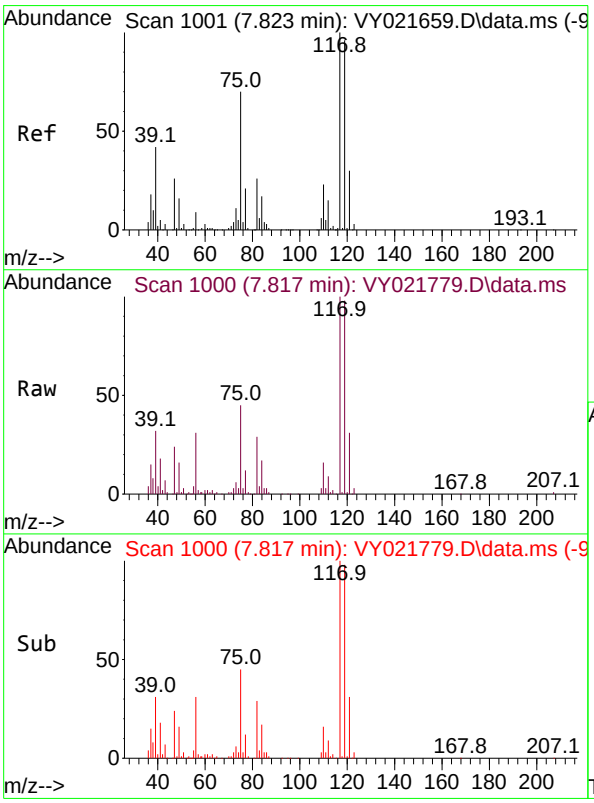
#37
Ethyl Acetate
Concen: 18.209 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 43 Resp: 29052

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	10.0	8.1	12.1

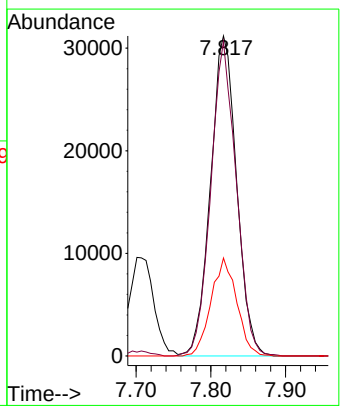


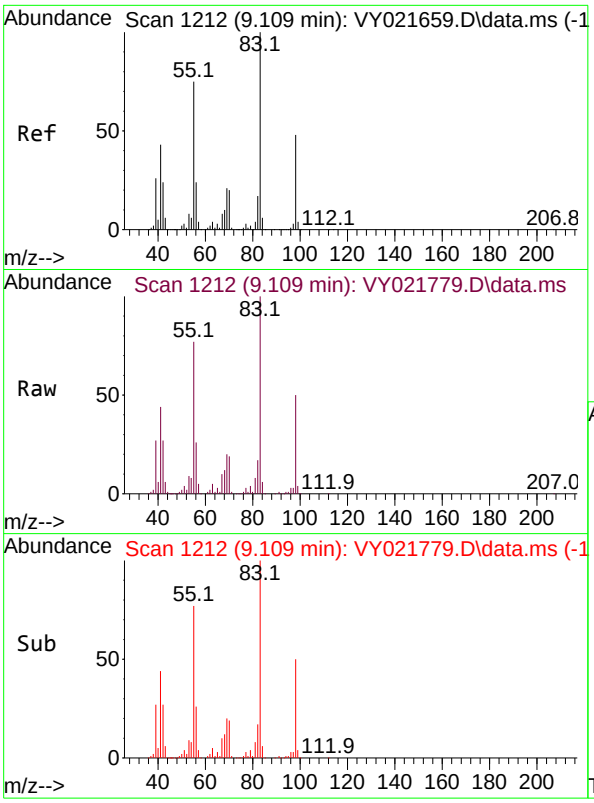


#38
Carbon Tetrachloride
Concen: 19.595 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:117 Resp: 75873

Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.2	114.4
121	30.6	24.2	36.4



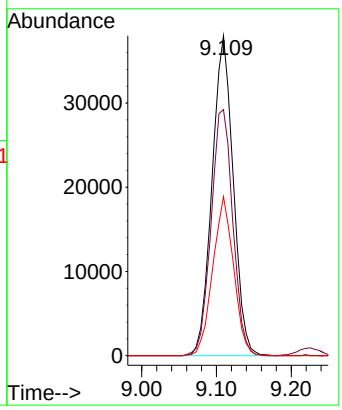


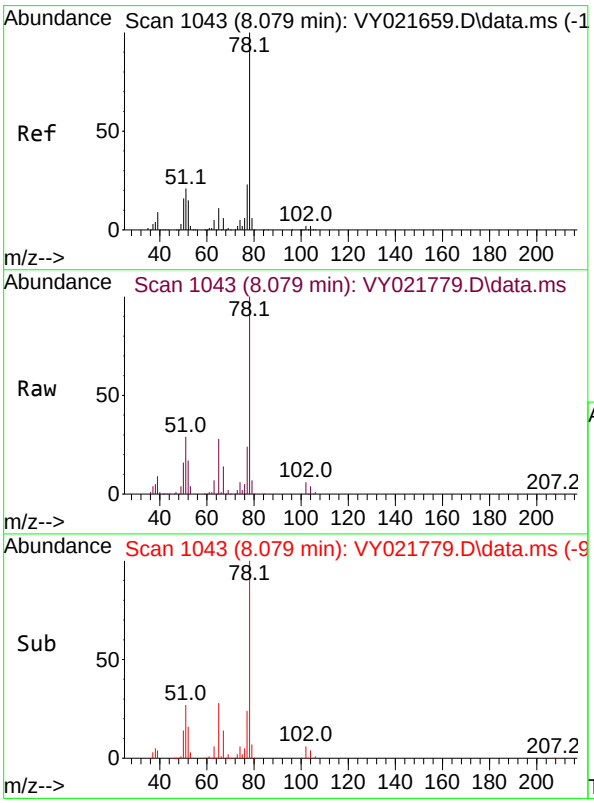
#39
Methylcyclohexane
Concen: 18.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 83 Resp: 74878

Ion	Ratio	Lower	Upper
83	100		
55	76.9	59.7	89.5
98	49.7	38.3	57.5

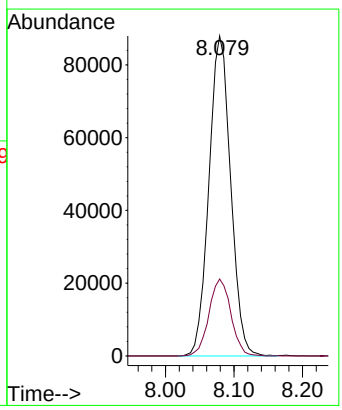


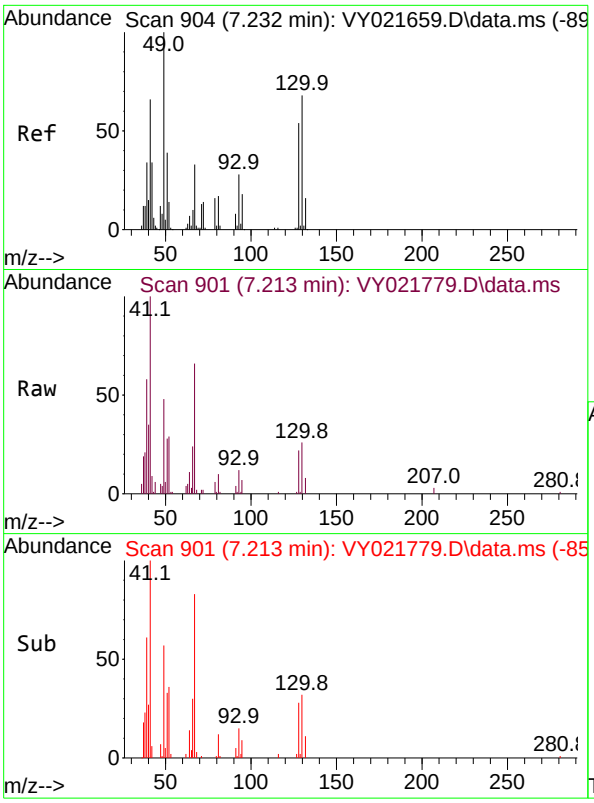


#40
Benzene
Concen: 19.090 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 78 Resp: 193271

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



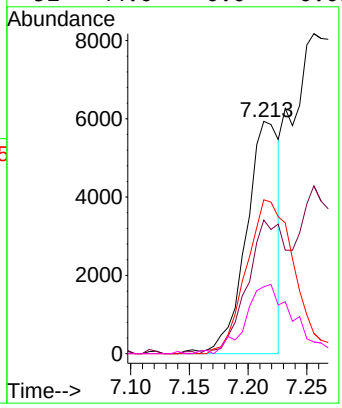


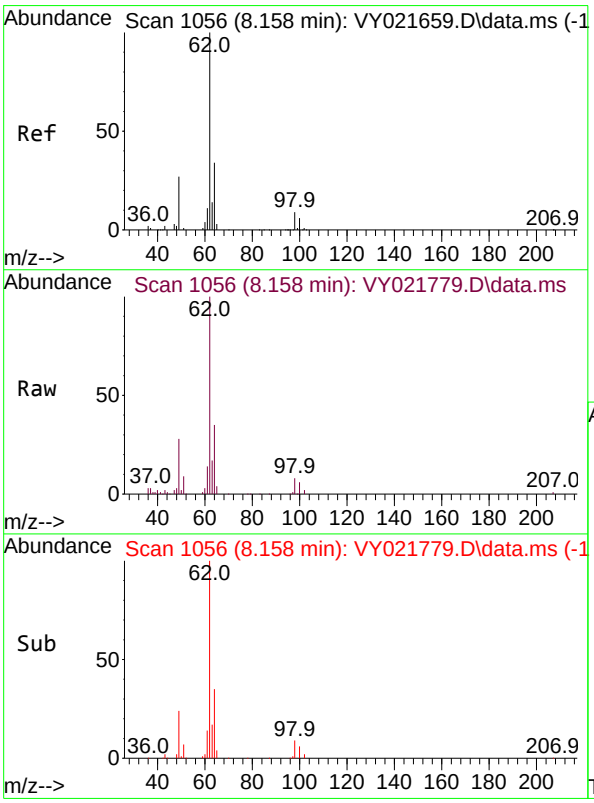
#41
Methacrylonitrile
Concen: 13.580 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 41 Resp: 11507

Ion	Ratio	Lower	Upper
41	100		
39	73.2	0.0	0.0#
67	98.3	0.0	0.0#
52	44.0	0.0	0.0#

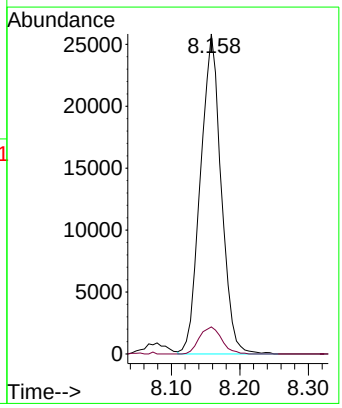


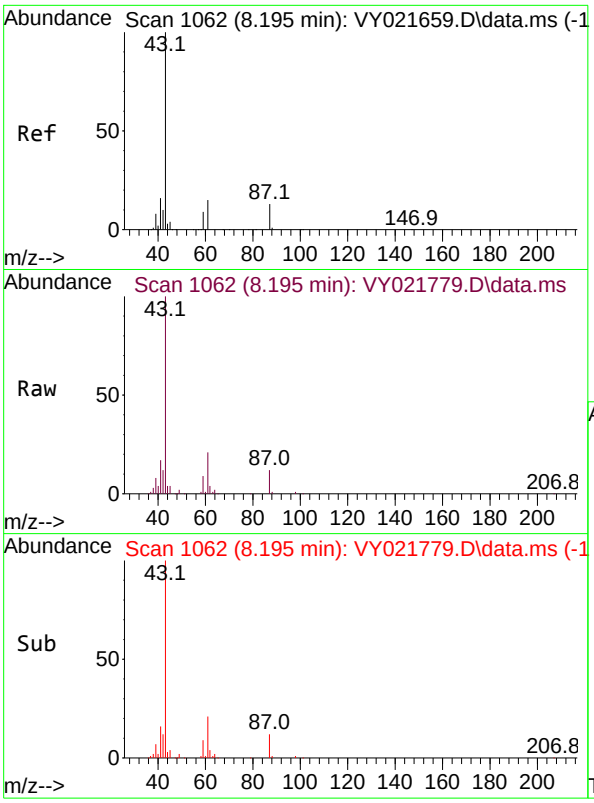


#42
1,2-Dichloroethane
Concen: 19.057 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 62 Resp: 54392

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



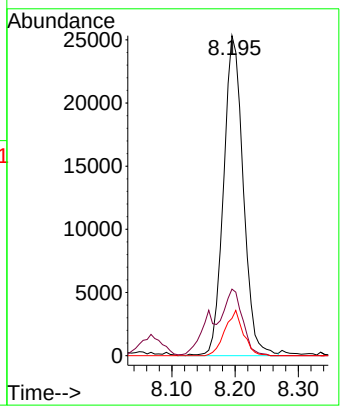


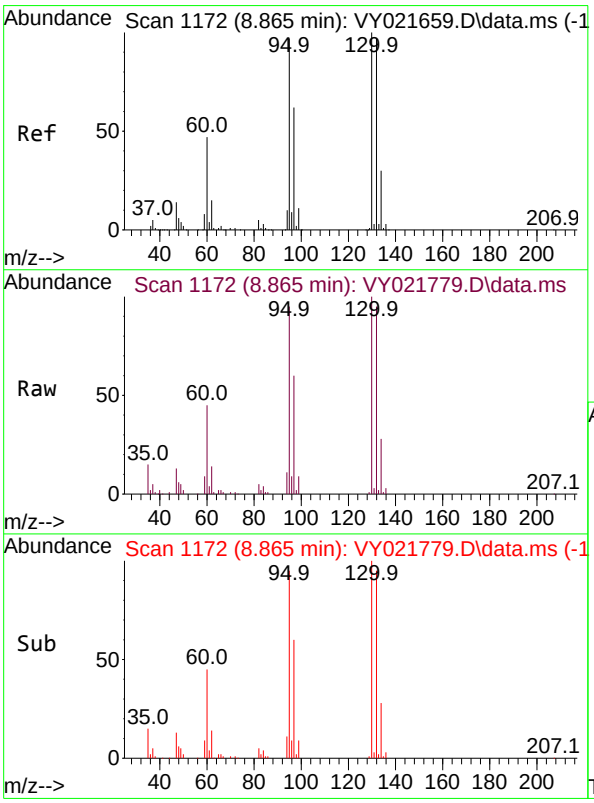
#43
Isopropyl Acetate
Concen: 18.080 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 43 Resp: 54667

Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.9	23.9
87	13.3	10.4	15.6

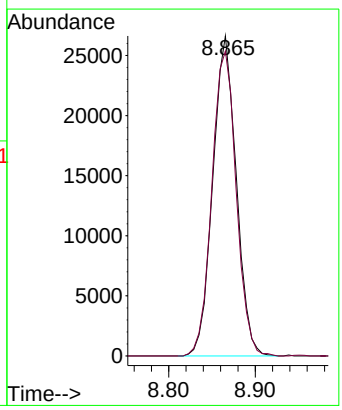


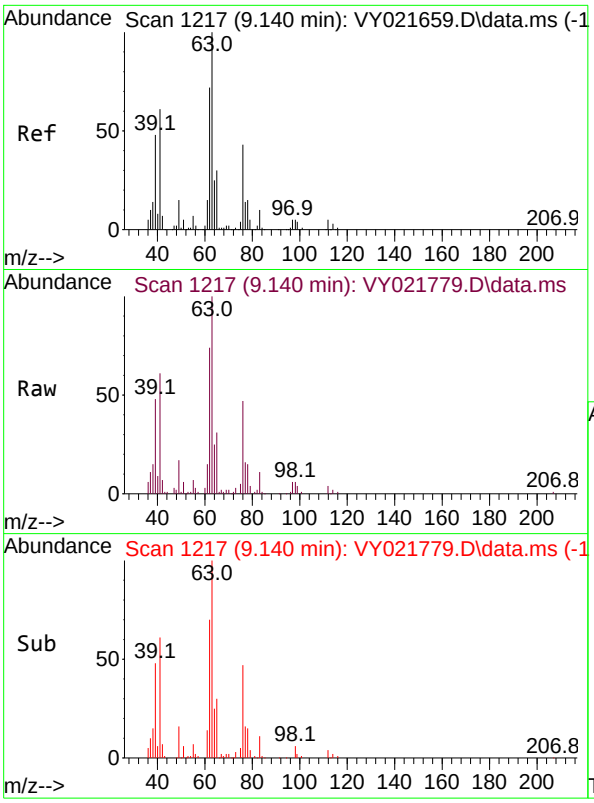


#44
Trichloroethene
Concen: 19.433 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:130 Resp: 50130

Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8



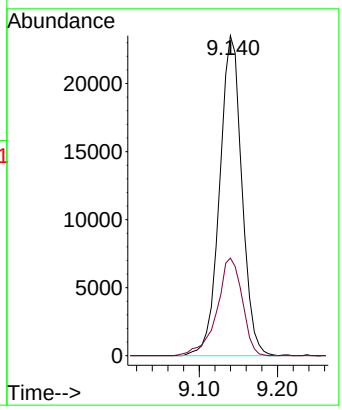


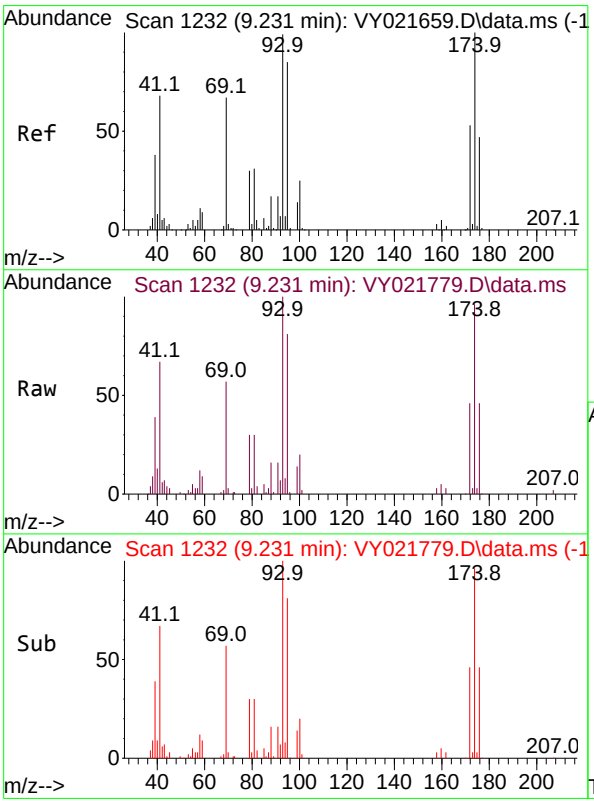
#45
1,2-Dichloropropane
Concen: 19.361 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 63 Resp: 46400

Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6

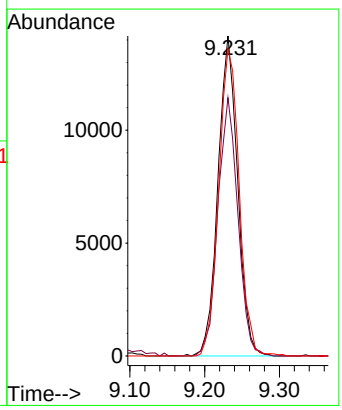


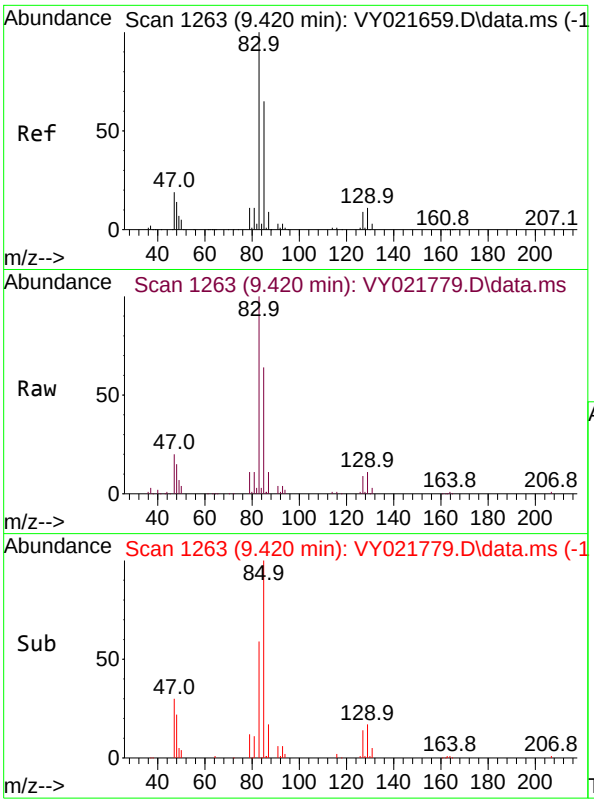


#46
Dibromomethane
Concen: 18.781 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 93 Resp: 25939

Ion	Ratio	Lower	Upper
93	100		
95	82.2	68.1	102.1
174	100.1	80.9	121.3



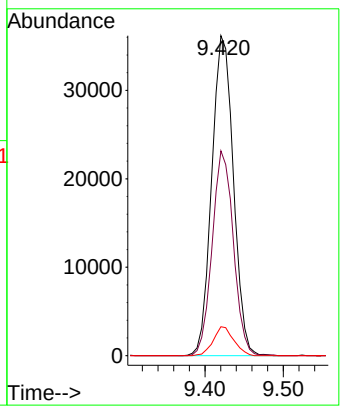


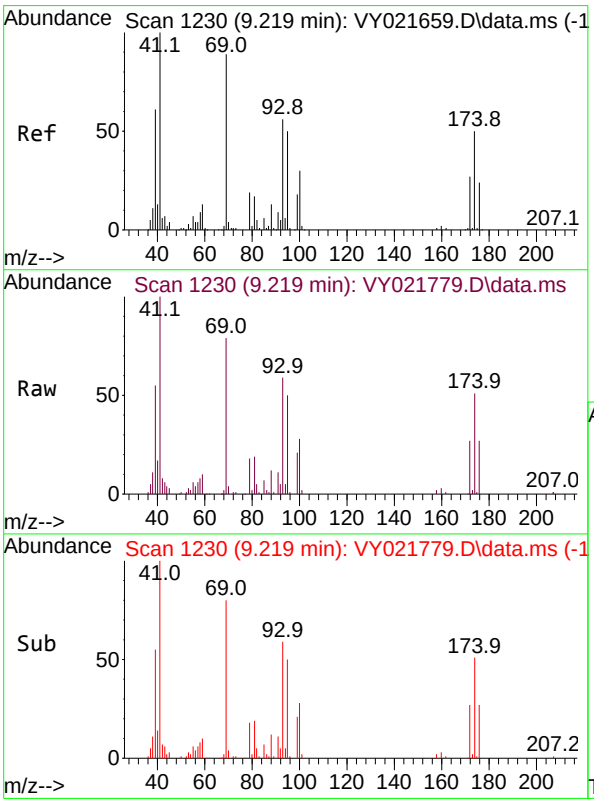
#47
Bromodichloromethane
Concen: 19.408 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 83 Resp: 69458

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	9.1	6.8	10.2

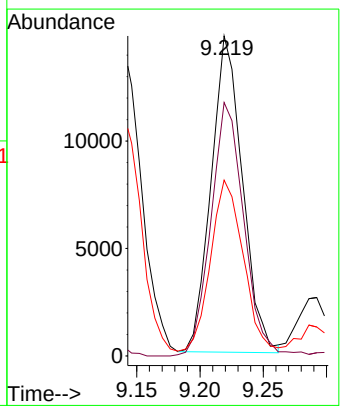


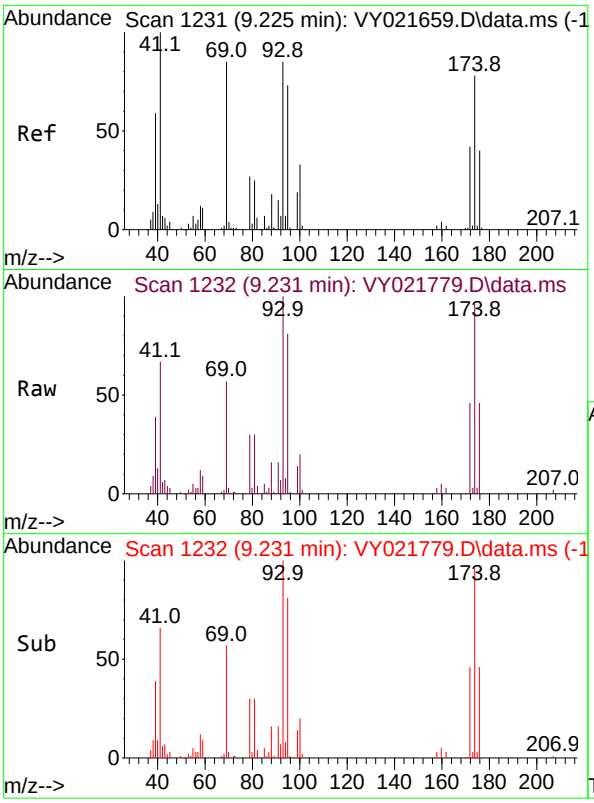


#48
Methyl methacrylate
Concen: 18.236 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 41 Resp: 25306

Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.8	104.8
39	56.9	47.2	70.8



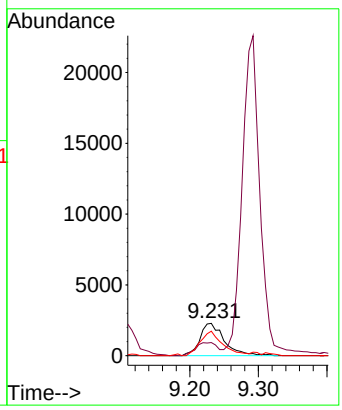


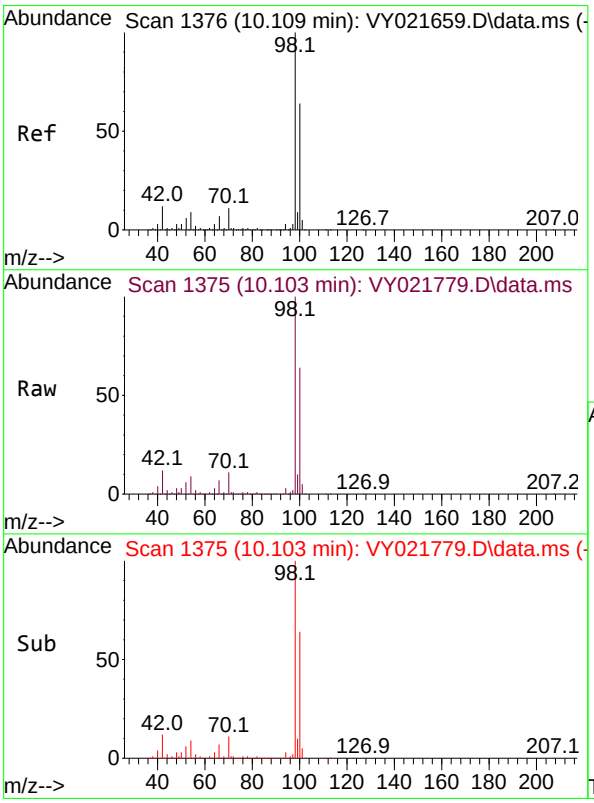
#49
1,4-Dioxane
Concen: 384.365 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 88 Resp: 5687

Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.8	43.2
58	69.4	59.4	89.2

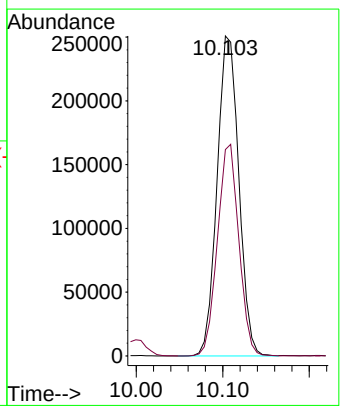


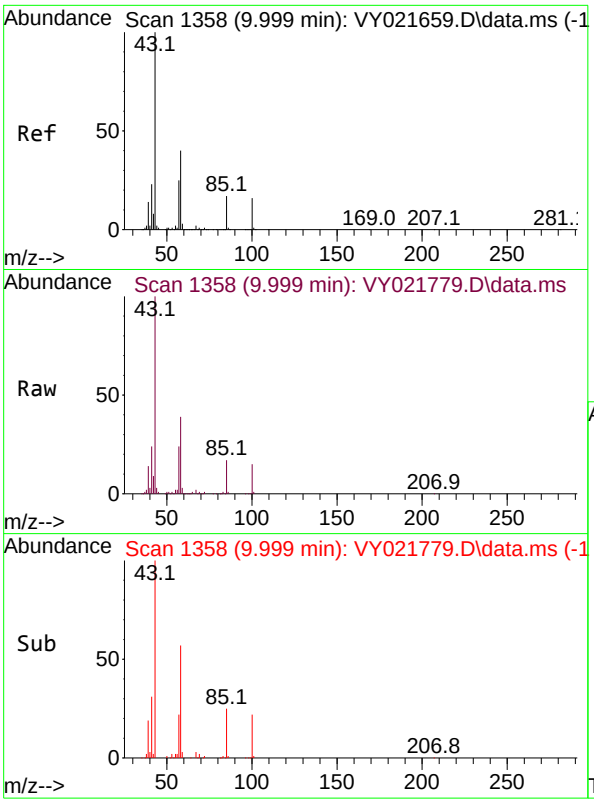


#50
Toluene-d8
Concen: 51.800 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 98 Resp: 437387

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



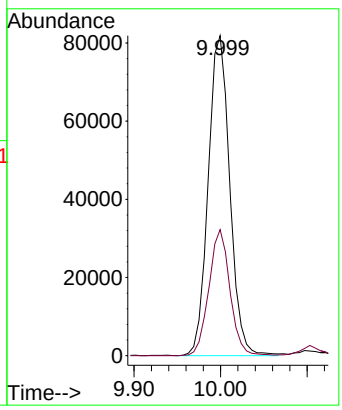


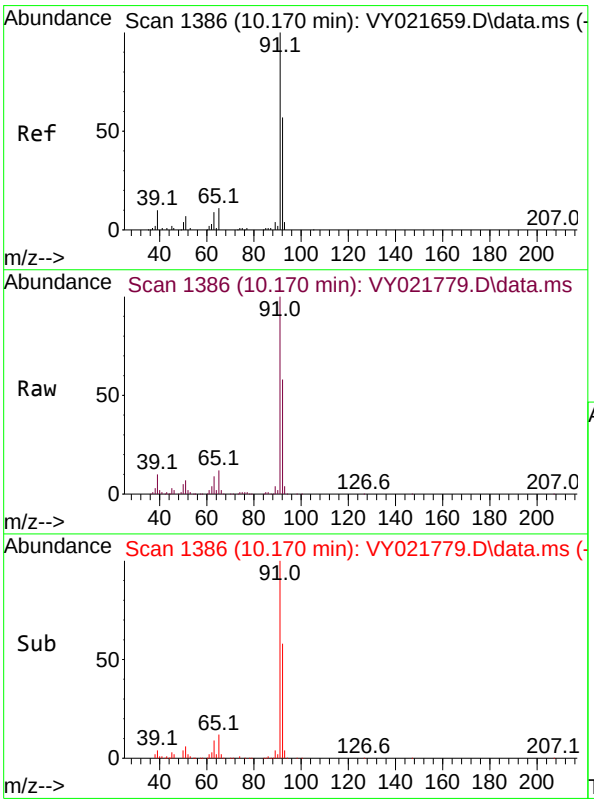
#51
4-Methyl-2-Pentanone
Concen: 90.088 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 43 Resp: 141751

Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.5	47.3

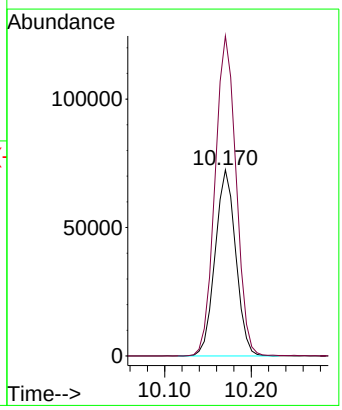


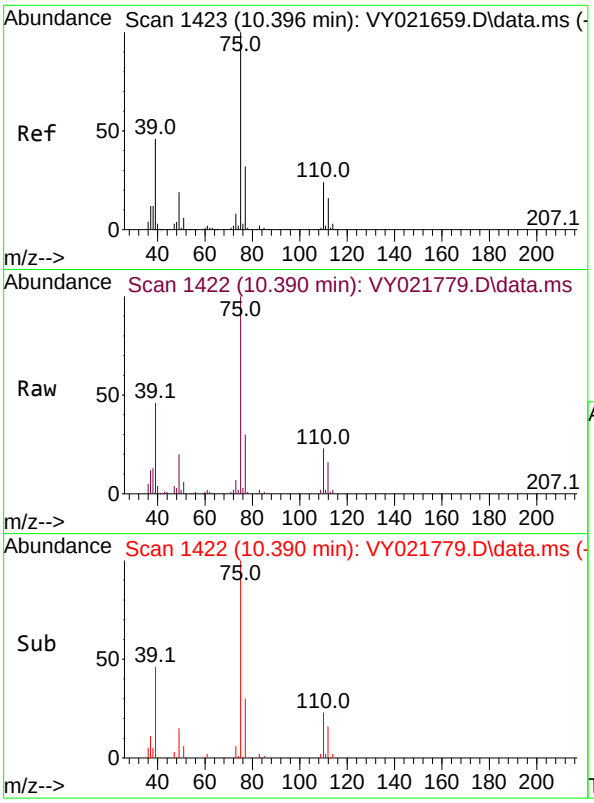


#52
Toluene
Concen: 18.972 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 92 Resp: 119838

Ion	Ratio	Lower	Upper
92	100		
91	176.3	138.6	207.8



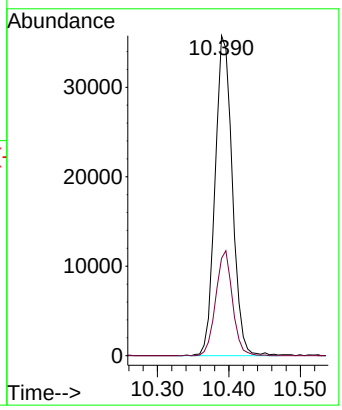


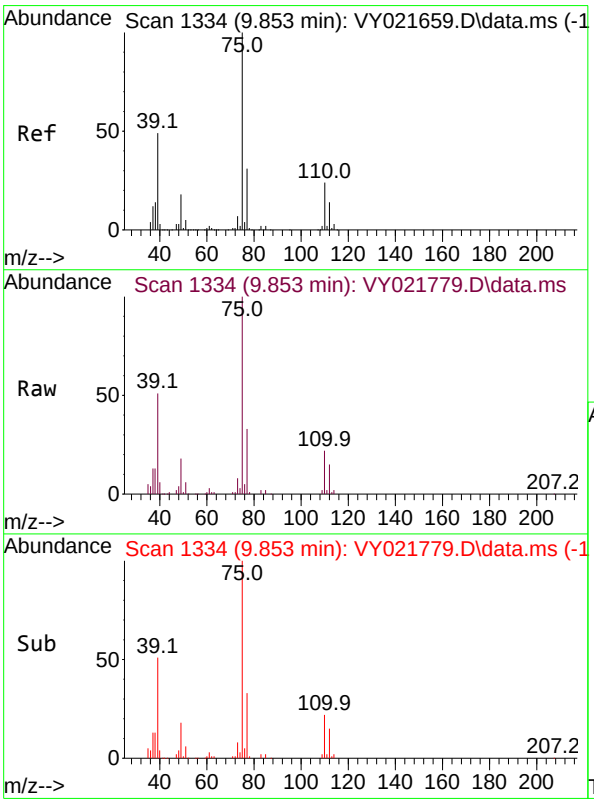
#53
t-1,3-Dichloropropene
Concen: 18.829 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 75 Resp: 59854

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.3	37.9

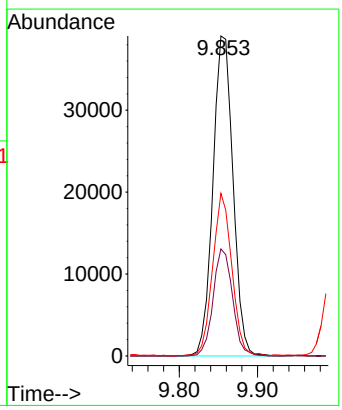


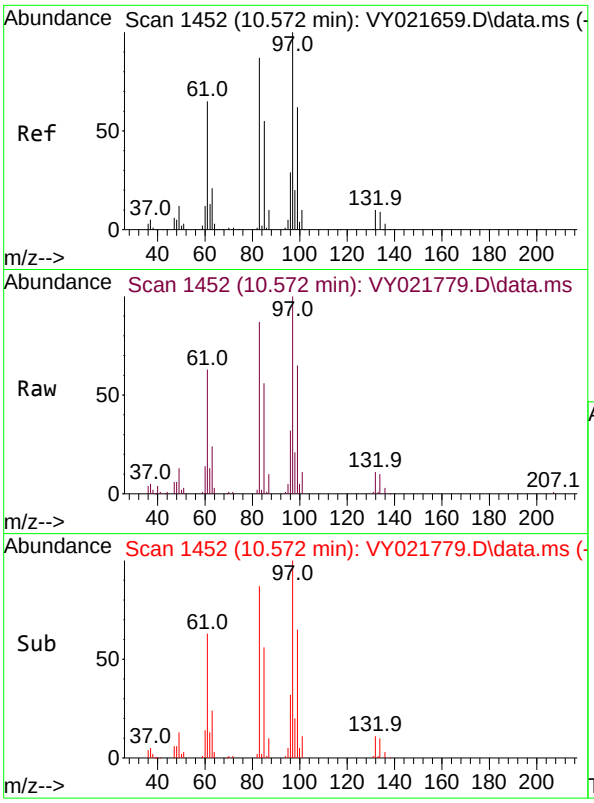


#54
cis-1,3-Dichloropropene
Concen: 18.573 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 69651

Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.9	37.3
39	50.6	39.2	58.8



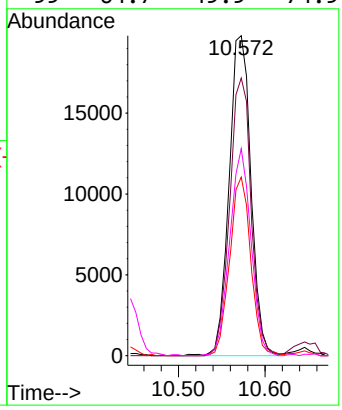


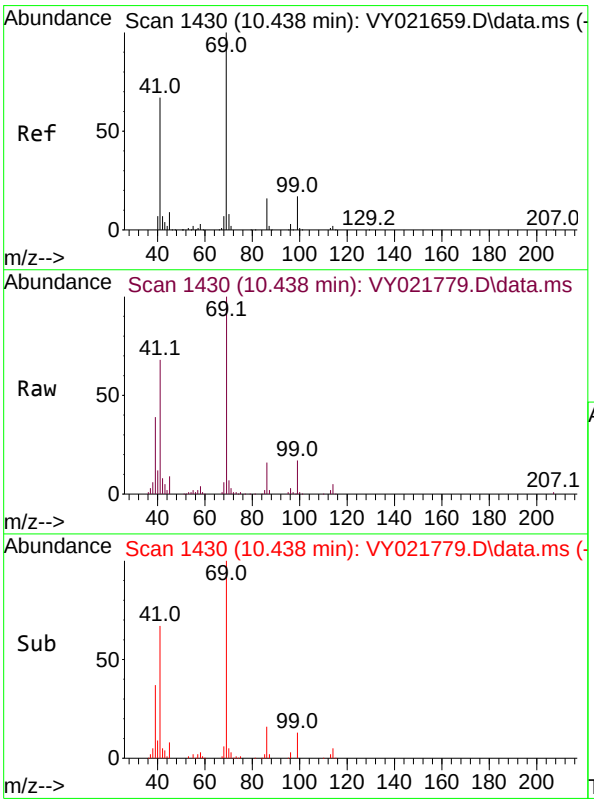
#55
1,1,2-Trichloroethane
Concen: 19.485 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 97 Resp: 34633

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.5	104.3
85	55.8	43.9	65.9
99	64.7	49.9	74.9

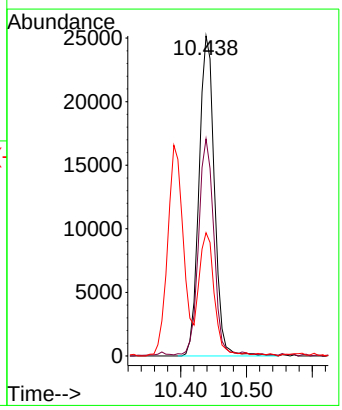


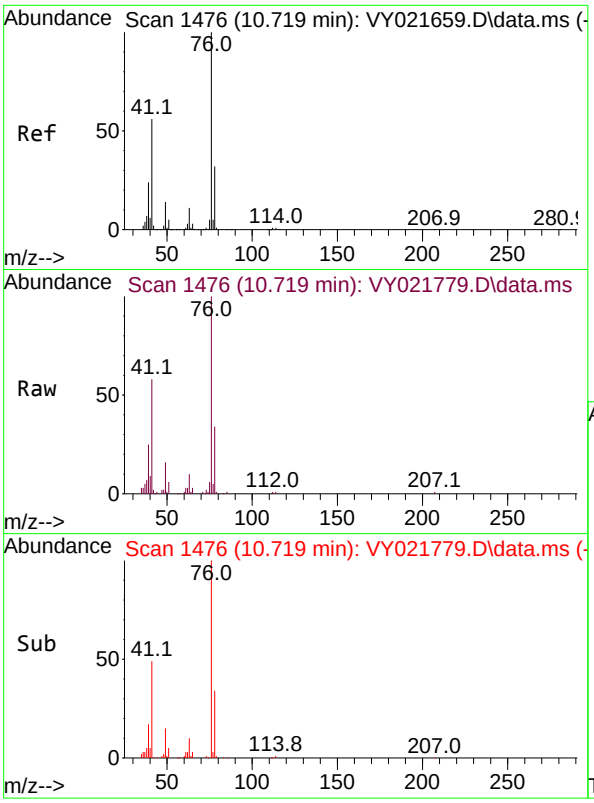


#56
Ethyl methacrylate
Concen: 18.026 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 69 Resp: 40910

Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.8	80.6
39	36.9	29.6	44.4



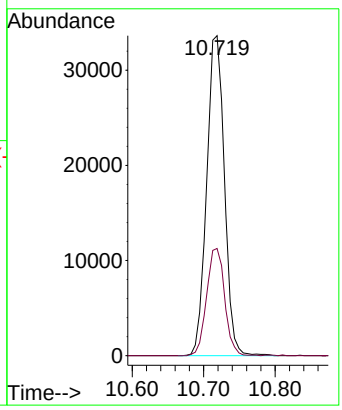


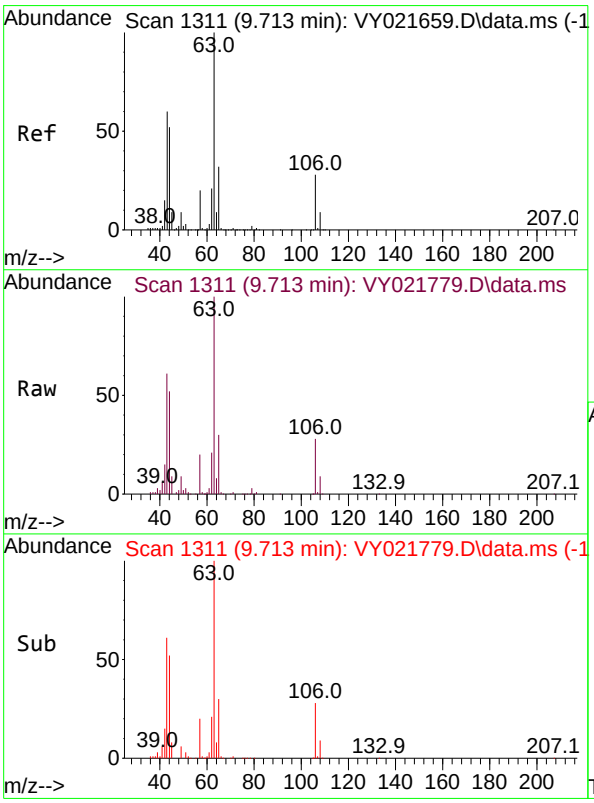
#57
1,3-Dichloropropane
Concen: 18.868 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 76 Resp: 57918

Ion	Ratio	Lower	Upper
76	100		
78	34.1	25.8	38.8

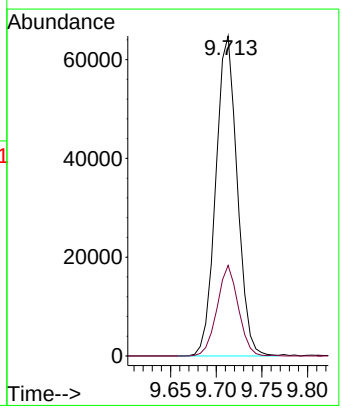


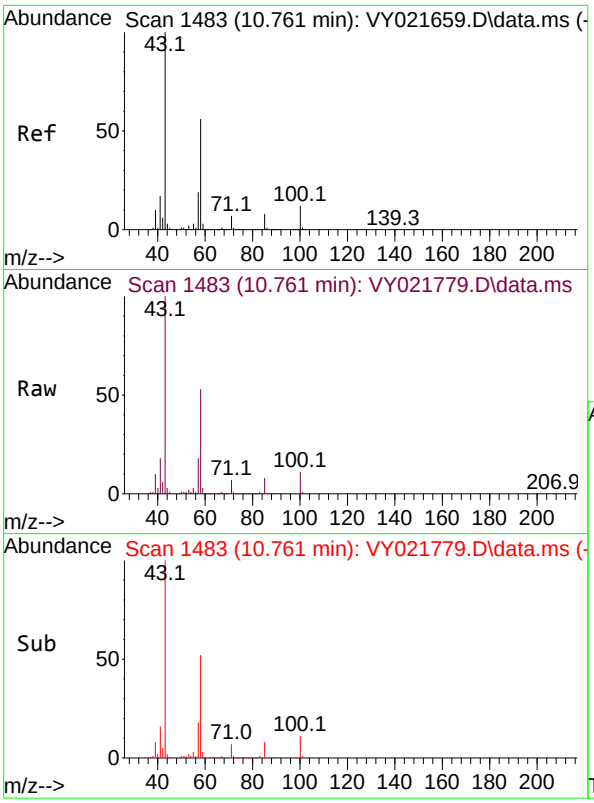


#58
2-Chloroethyl Vinyl ether
Concen: 95.722 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 63 Resp: 105979

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6



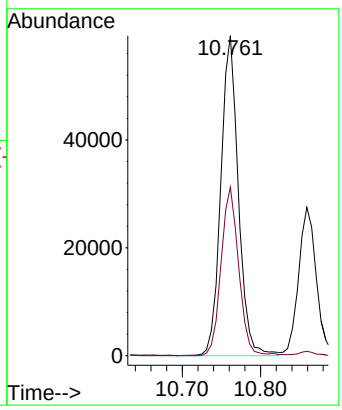


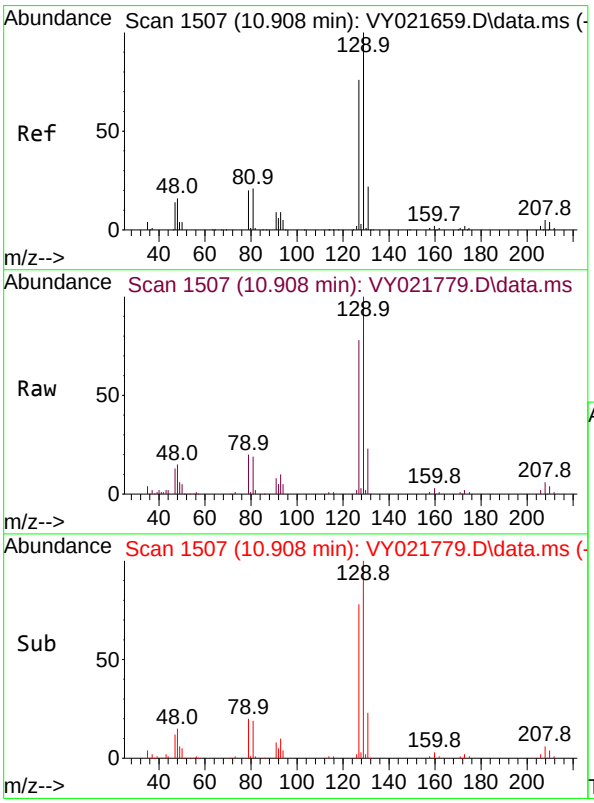
#59
2-Hexanone
Concen: 88.221 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 43 Resp: 92448

Ion	Ratio	Lower	Upper
43	100		
58	52.9	27.2	81.5

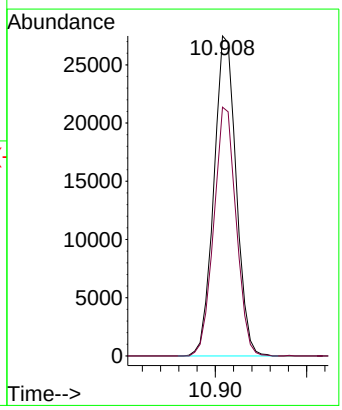


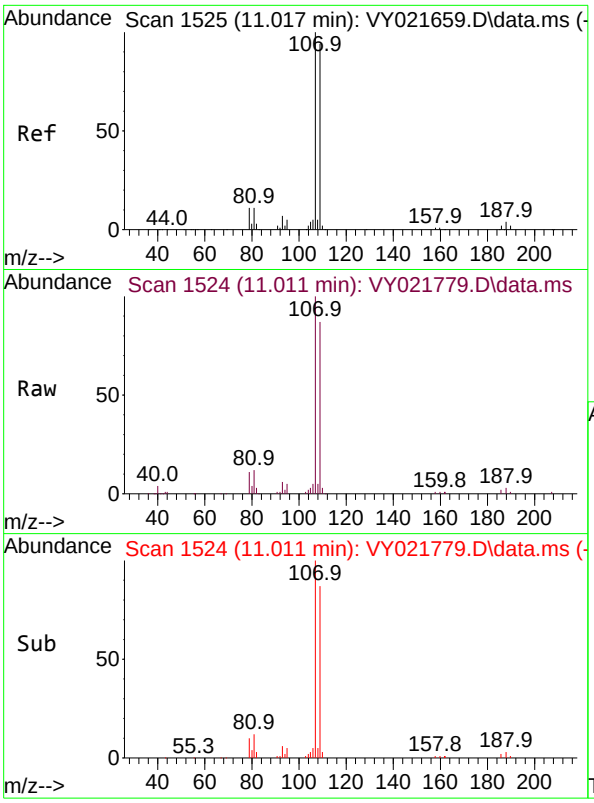


#60
Dibromochloromethane
Concen: 19.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:129 Resp: 46610

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7



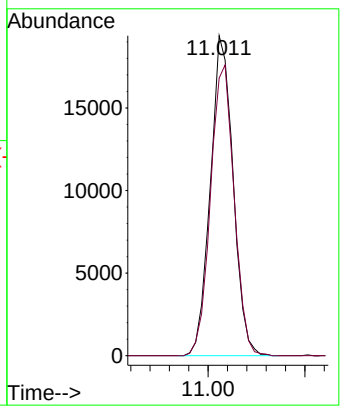


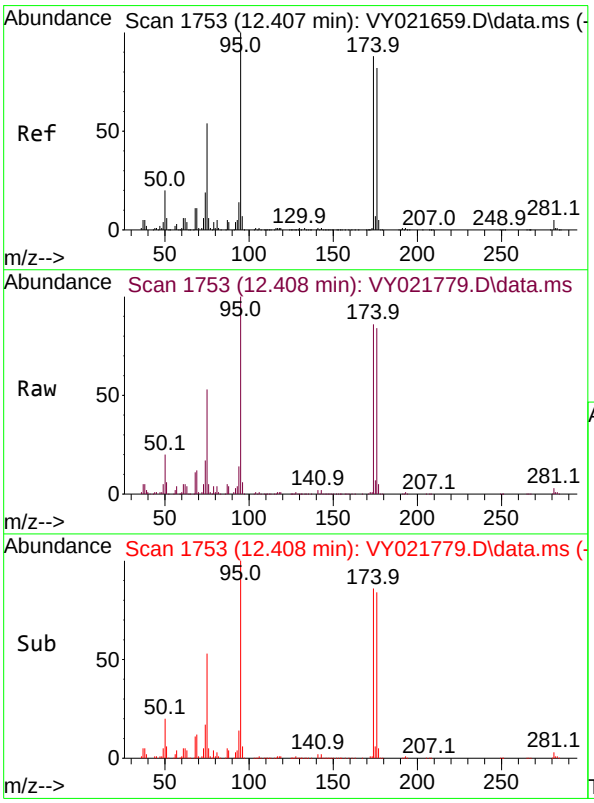
#61
1,2-Dibromoethane
Concen: 18.940 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:107 Resp: 31579

Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.4	111.6

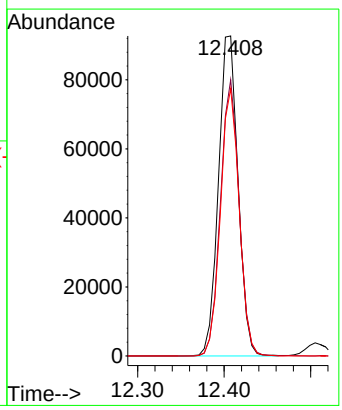


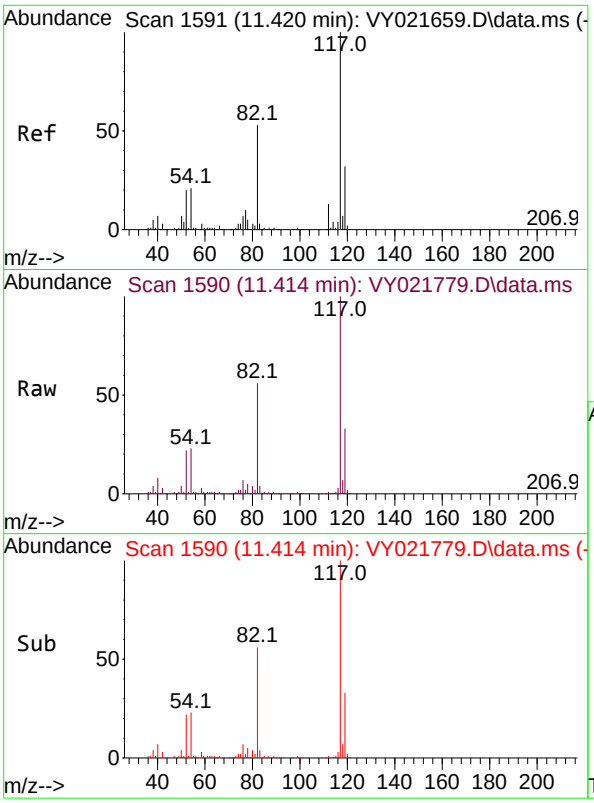


#62
4-Bromofluorobenzene
Concen: 51.018 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 95 Resp: 145713

Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	170.8
176	80.0	0.0	162.0



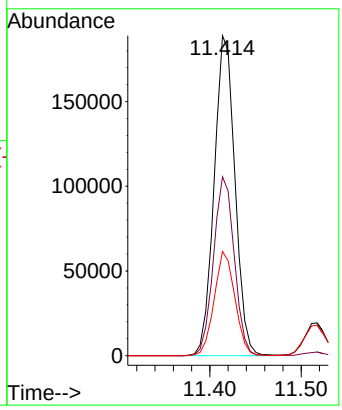


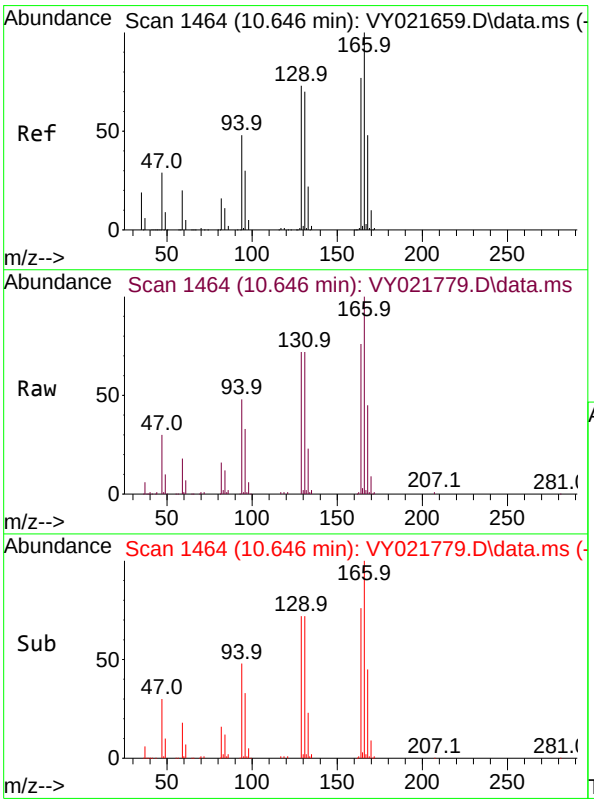
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:117 Resp: 299516

Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	32.5	25.7	38.5

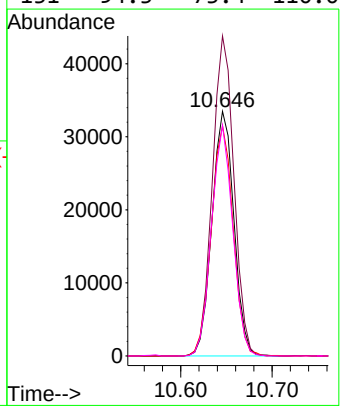


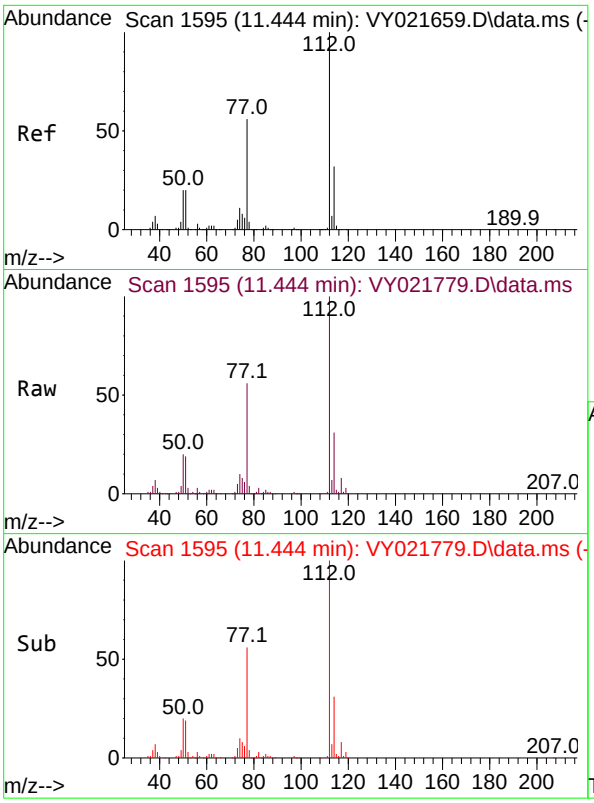


#64
Tetrachloroethene
Concen: 20.410 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:164 Resp: 55676

Ion	Ratio	Lower	Upper
164	100		
166	130.8	104.6	156.8
129	94.1	76.6	114.8
131	94.3	73.4	110.0



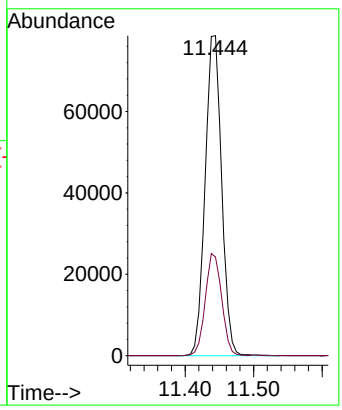


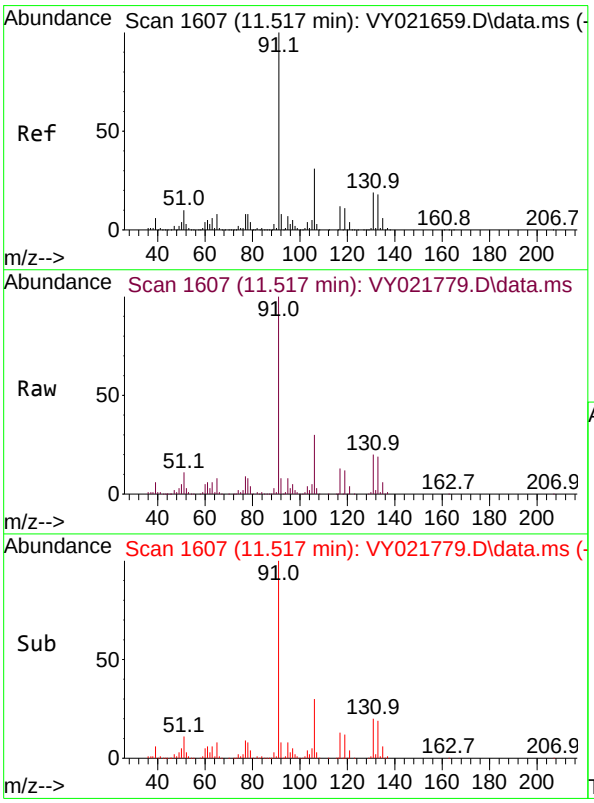
#65
Chlorobenzene
Concen: 19.170 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:112 Resp: 131622

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.9	38.9

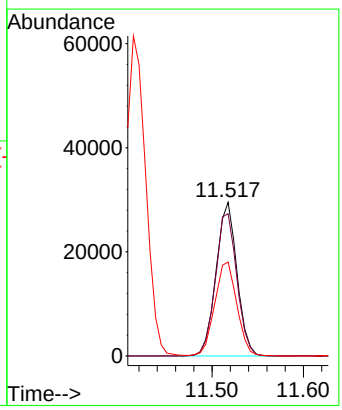


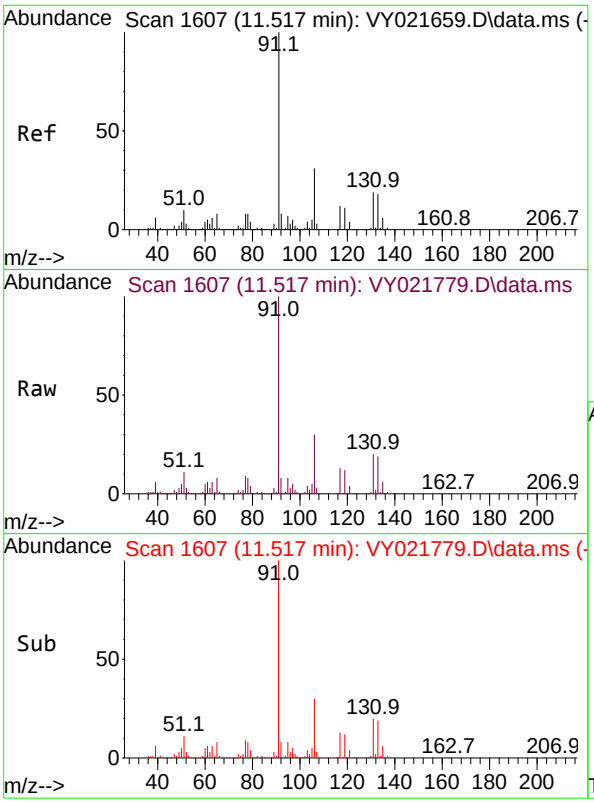


#66
1,1,1,2-Tetrachloroethane
Concen: 19.267 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:131 Resp: 46936

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.8
119	64.9	31.6	95.0



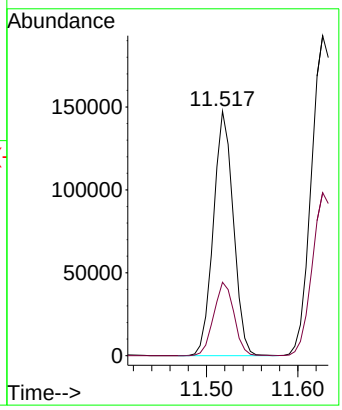


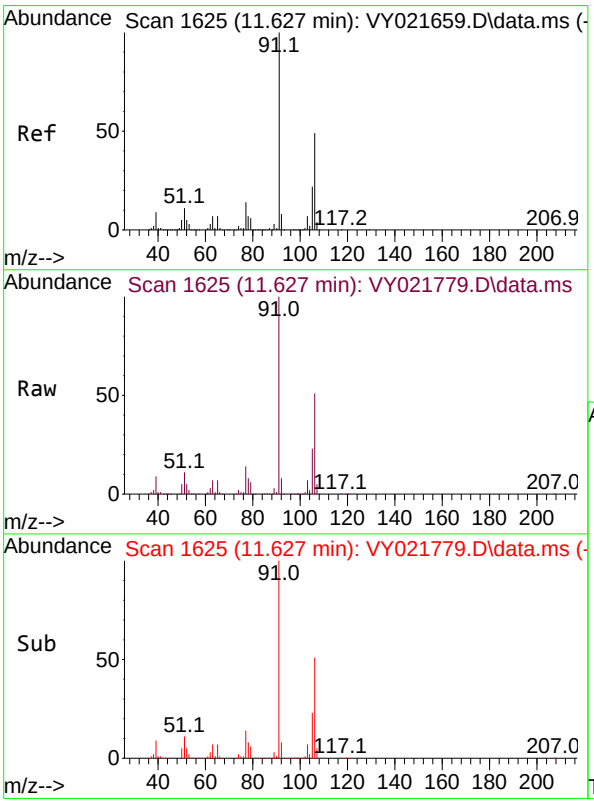
#67
Ethyl Benzene
Concen: 18.996 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 91 Resp: 223644

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.6	36.8

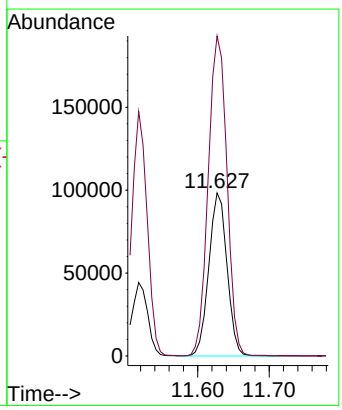


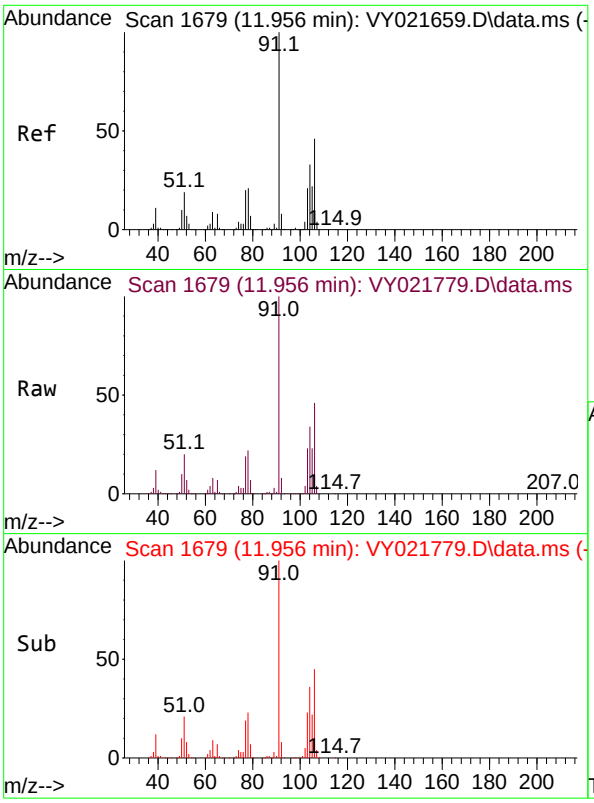


#68
m/p-Xylenes
Concen: 38.499 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:106 Resp: 173569

Ion	Ratio	Lower	Upper
106	100		
91	201.9	162.4	243.6



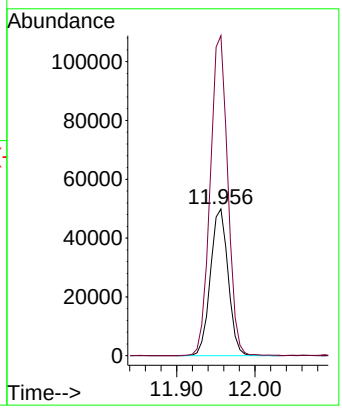


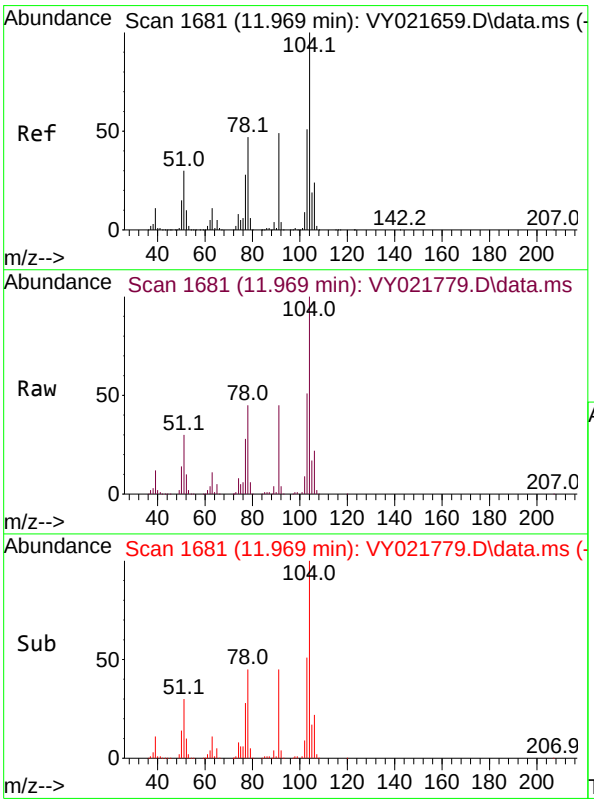
#69
o-Xylene
Concen: 18.794 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:106 Resp: 78213

Ion	Ratio	Lower	Upper
106	100		
91	216.9	106.7	319.9

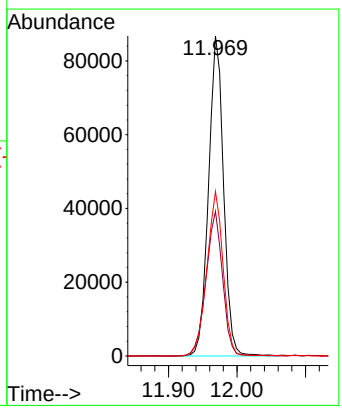


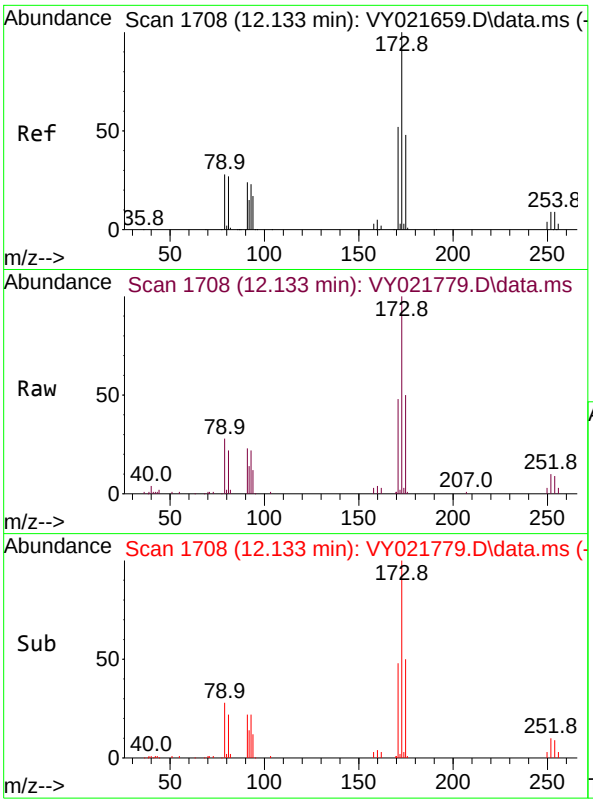


#70
Styrene
Concen: 19.111 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:104 Resp: 132607

Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.8	61.2
103	55.4	44.2	66.2



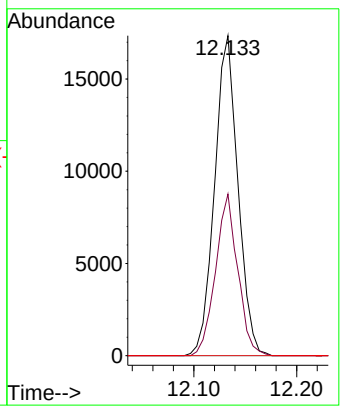


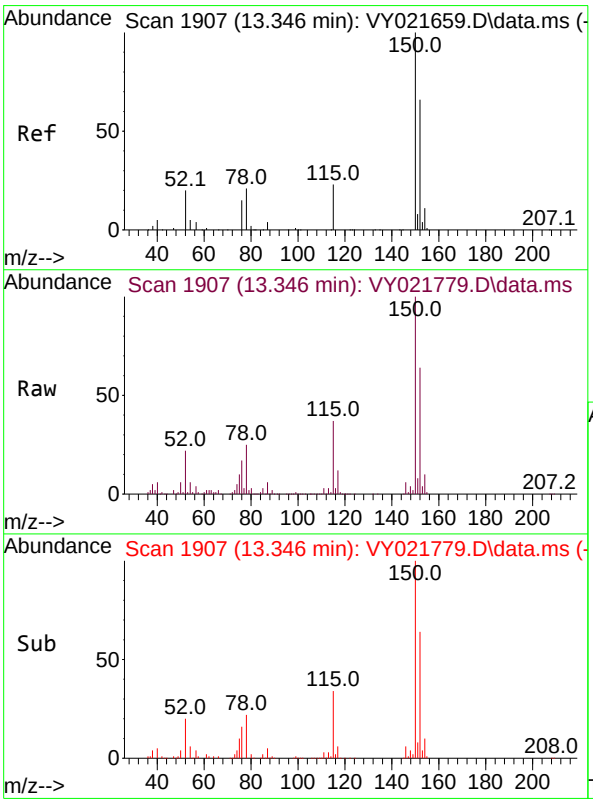
#71
Bromoform
Concen: 19.678 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:173 Resp: 27344

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.0	0.1	0.1#

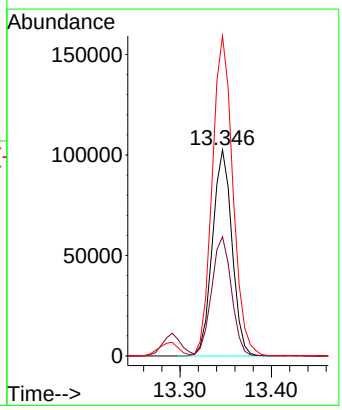


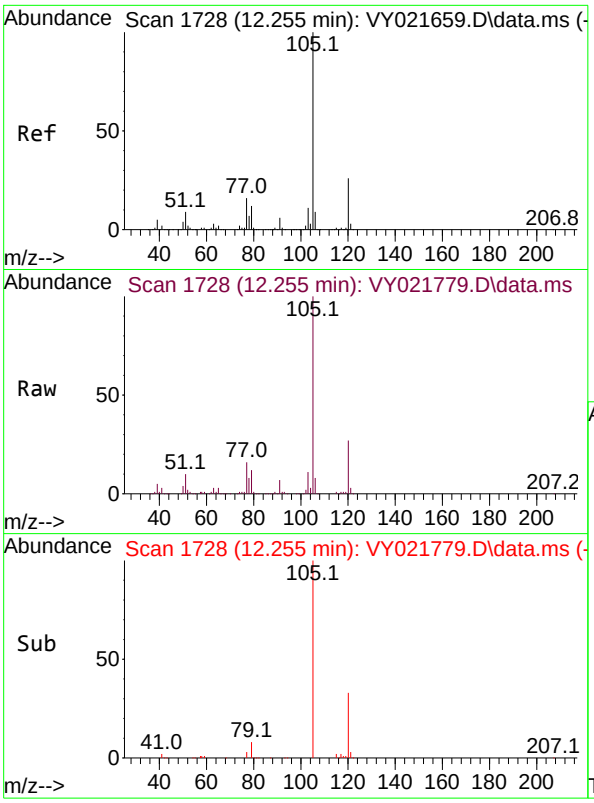


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:152 Resp: 151992

Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.8	86.5
150	164.1	0.0	348.4



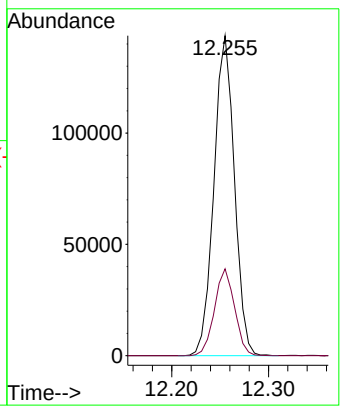


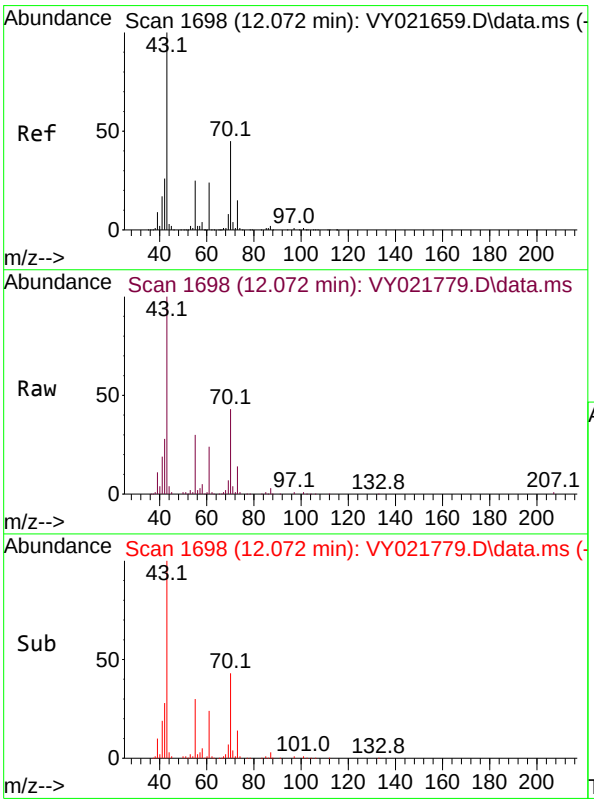
#73
Isopropylbenzene
Concen: 18.722 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:105 Resp: 211355

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5

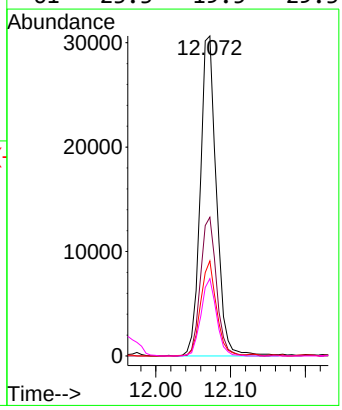


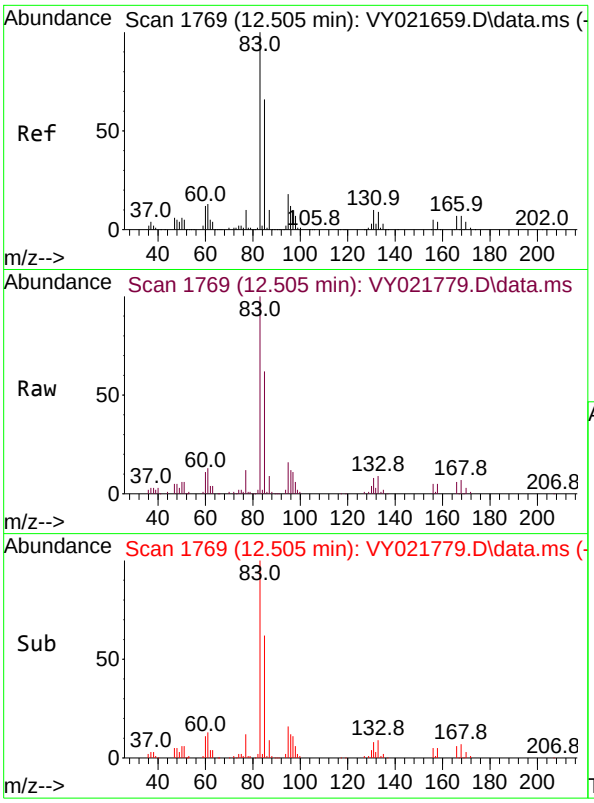


#74
N-amyl acetate
Concen: 17.347 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 43 Resp: 45960

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.7	52.1
55	29.2	21.2	31.8
61	23.3	19.5	29.3



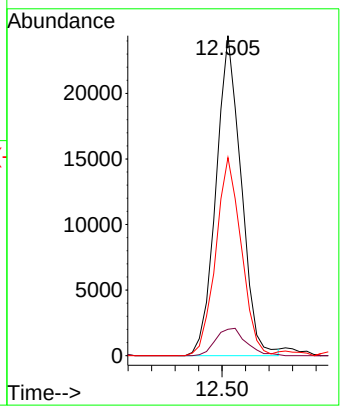


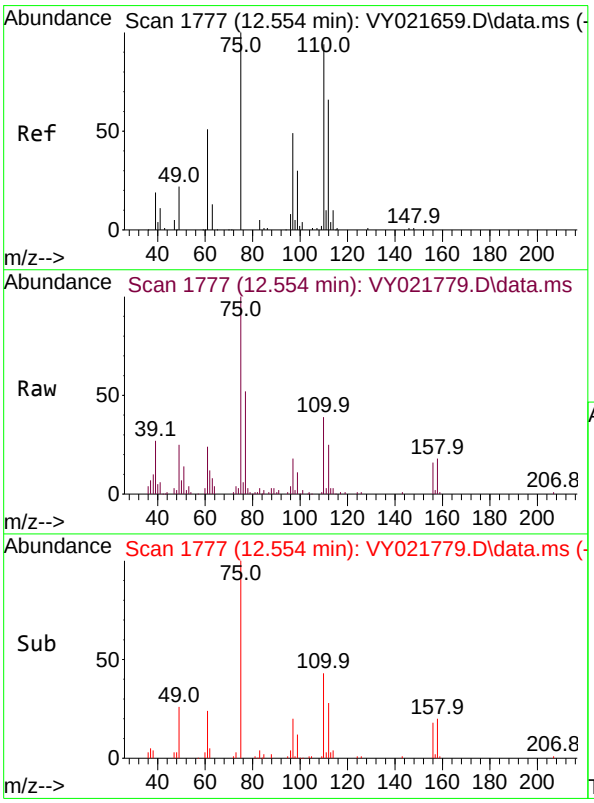
#75
1,1,2,2-Tetrachloroethane
Concen: 17.859 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 83 Resp: 36248

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	62.8	32.3	96.8

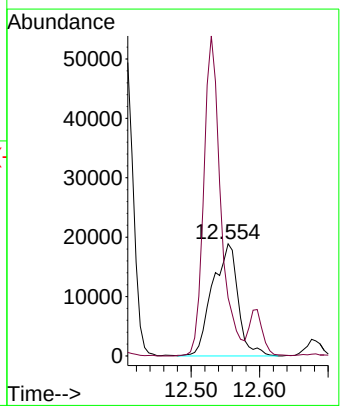


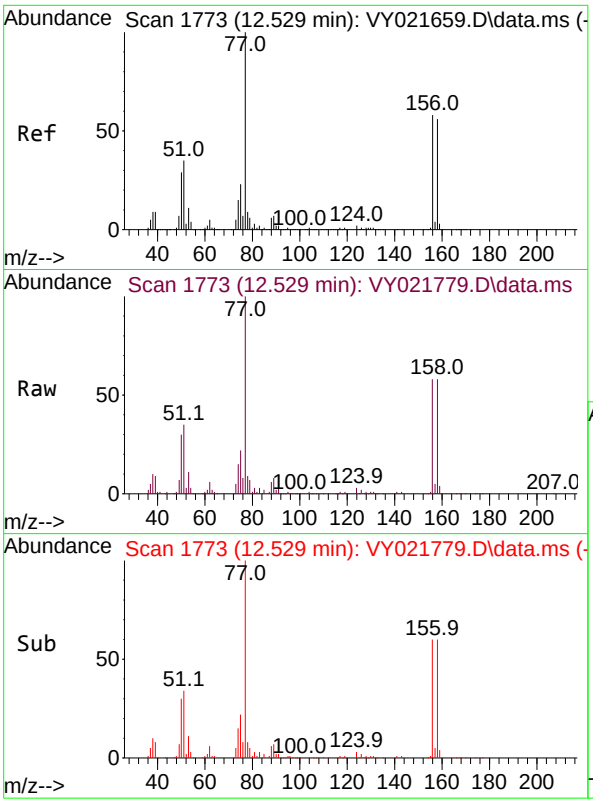


#76
1,2,3-Trichloropropane
Concen: 32.529 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 49009

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



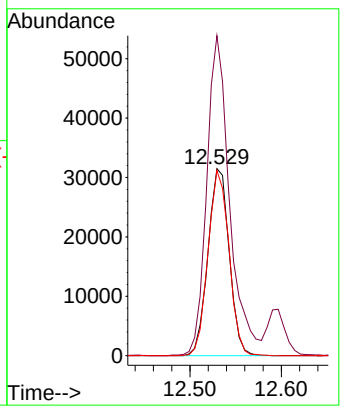


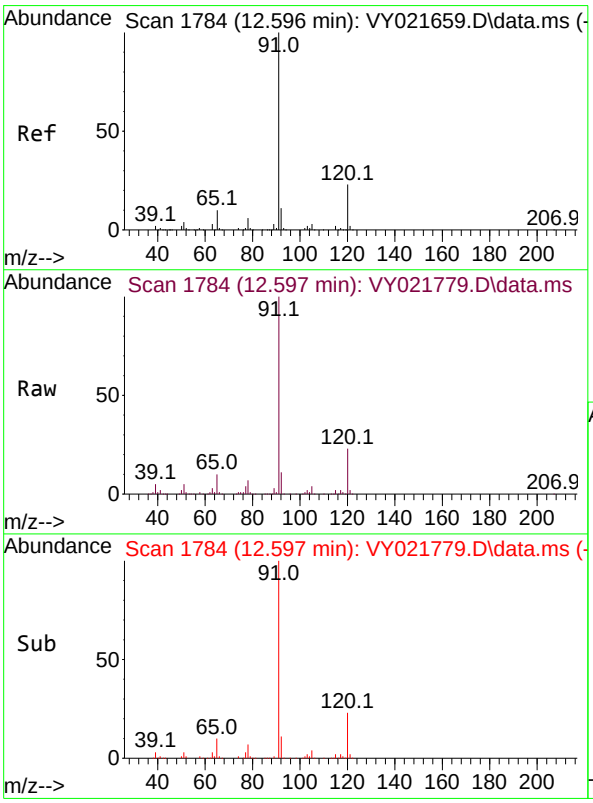
#77
Bromobenzene
Concen: 18.757 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:156 Resp: 50842

Ion	Ratio	Lower	Upper
156	100		
77	184.5	92.8	278.3
158	97.9	48.5	145.6

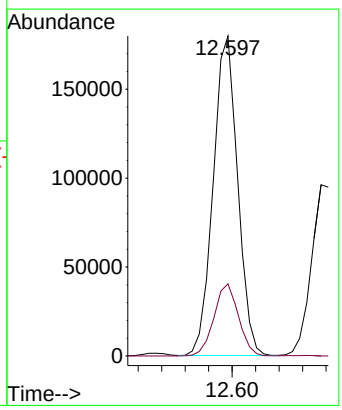


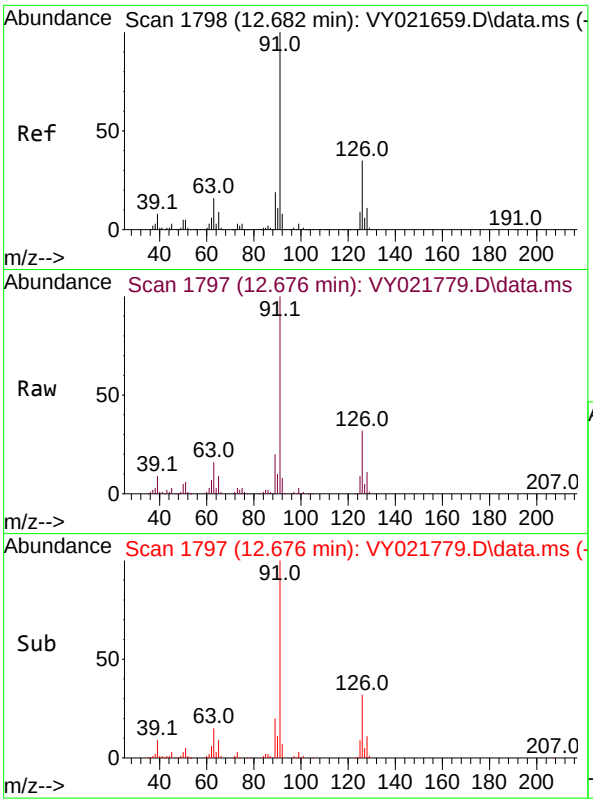


#78
n-propylbenzene
Concen: 19.126 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 259575

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9



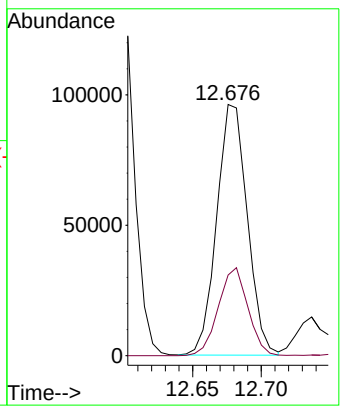


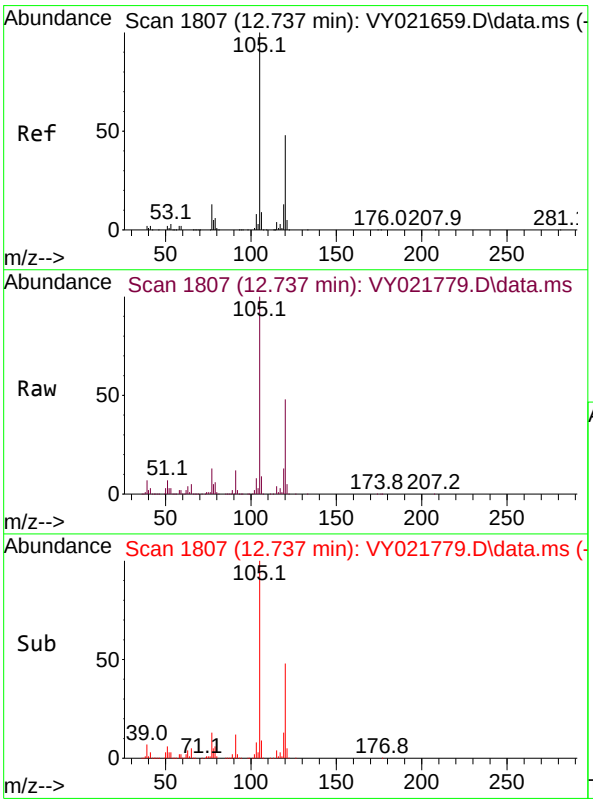
#79
2-Chlorotoluene
Concen: 18.949 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 91 Resp: 149376

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	52.0

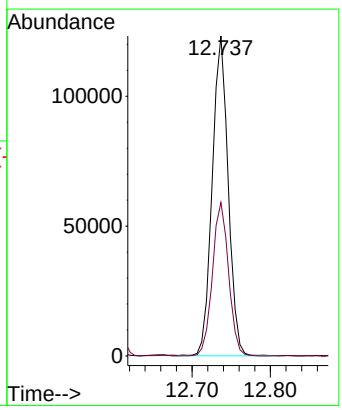


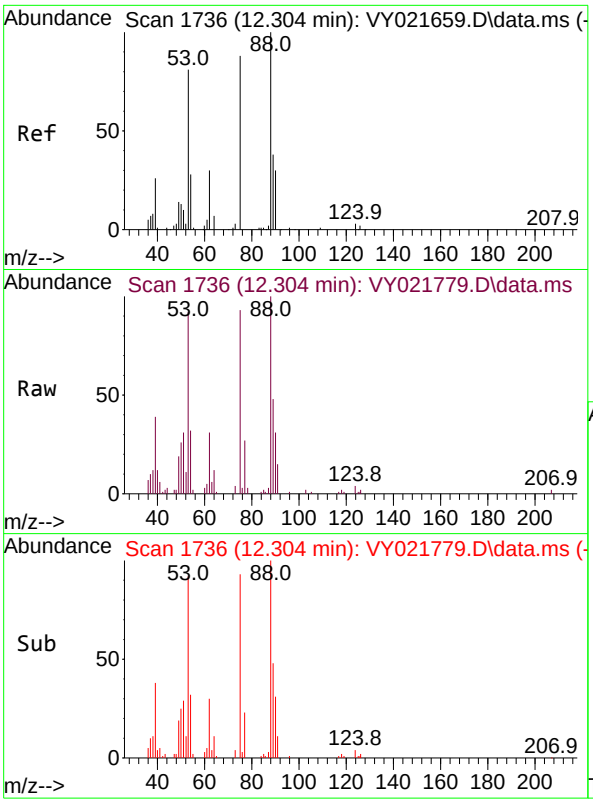


#80
1,3,5-Trimethylbenzene
Concen: 18.899 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:105 Resp: 174371

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.5	73.5



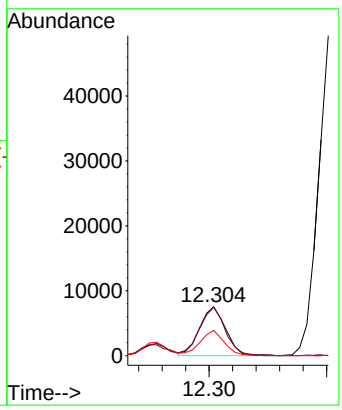


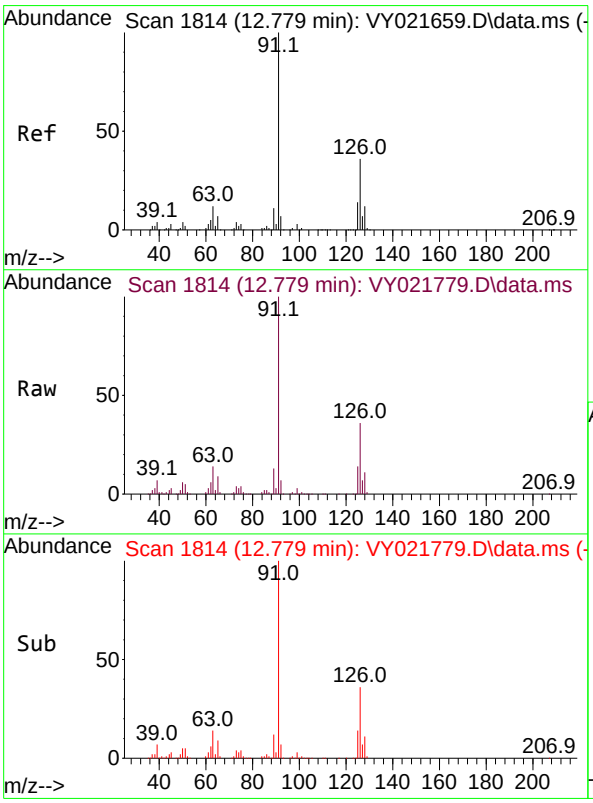
#81
trans-1,4-Dichloro-2-butene
Concen: 17.932 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 75 Resp: 11725

Ion	Ratio	Lower	Upper
75	100		
53	96.7	76.1	114.1
89	47.7	36.2	54.4

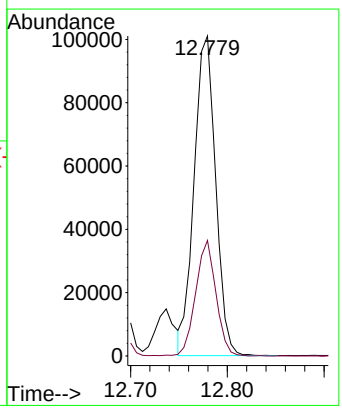


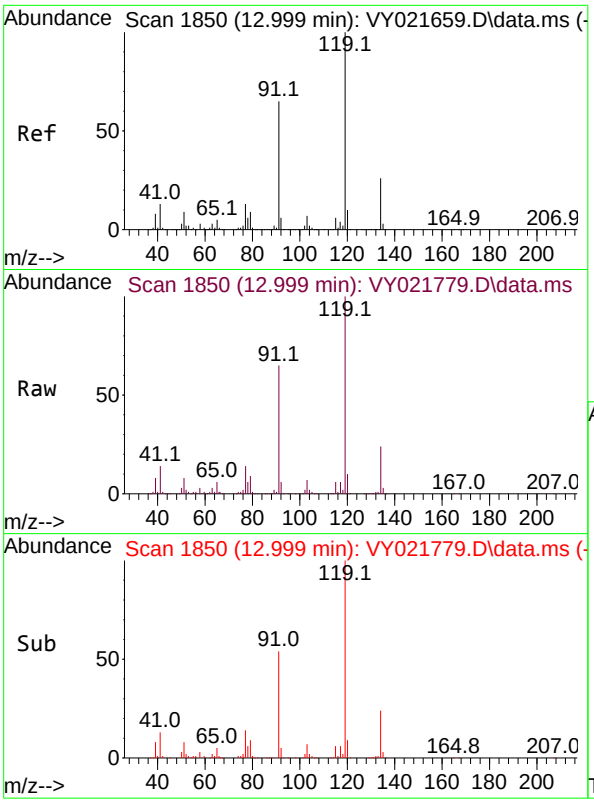


#82
4-Chlorotoluene
Concen: 19.034 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 91 Resp: 156430

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9



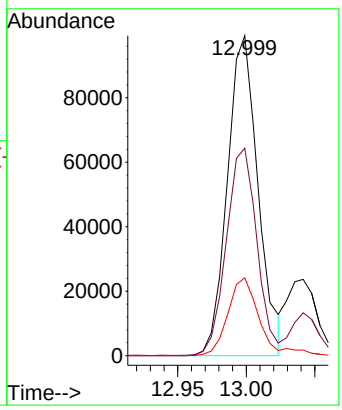


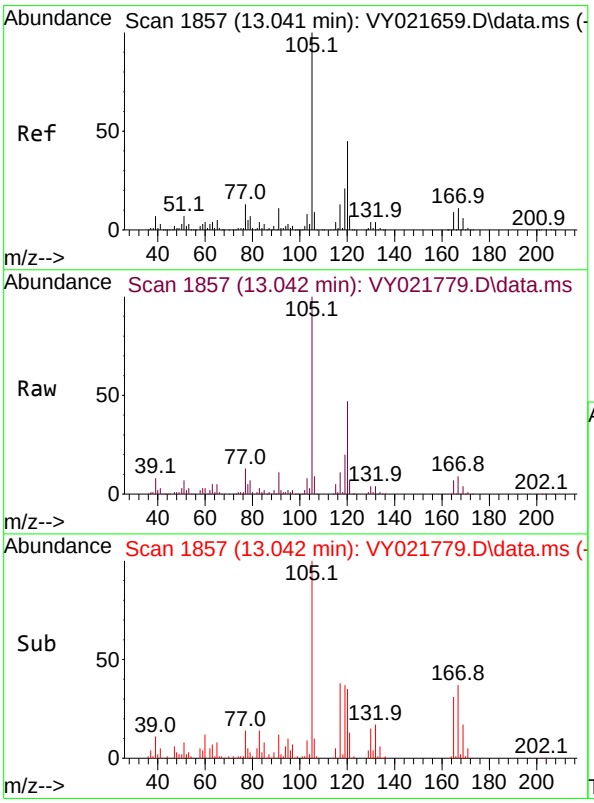
#83
tert-Butylbenzene
Concen: 18.819 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:119 Resp: 154652

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.6	97.7
134	25.2	13.2	39.6

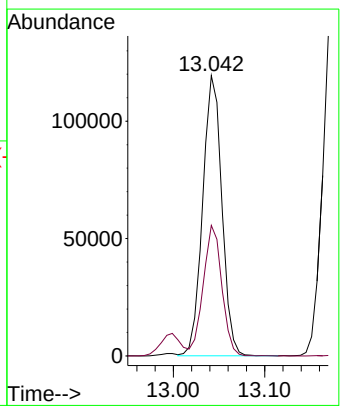


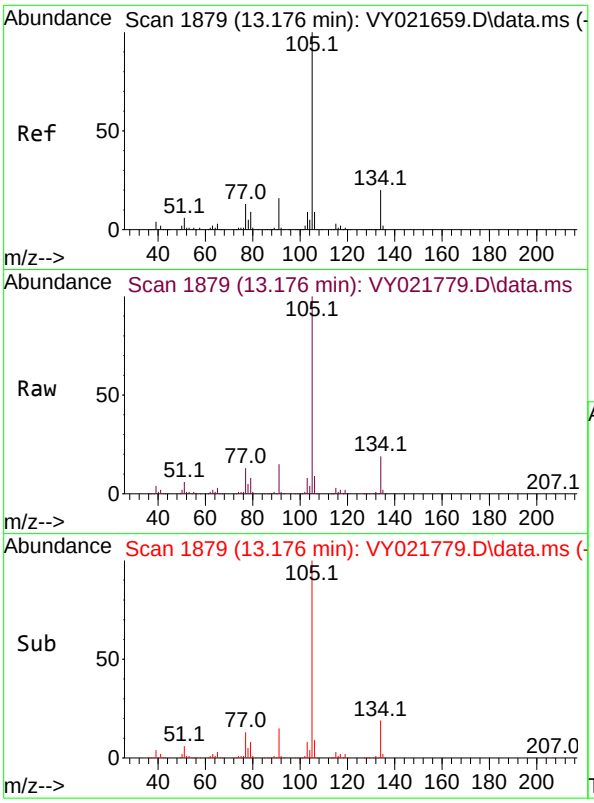


#84
1,2,4-Trimethylbenzene
Concen: 19.044 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:105 Resp: 173659

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.1



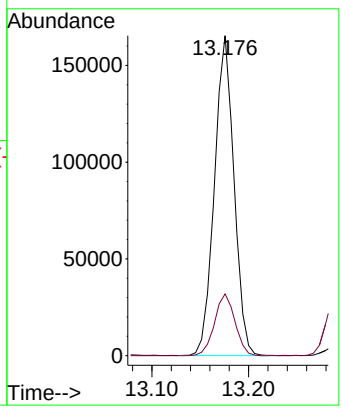


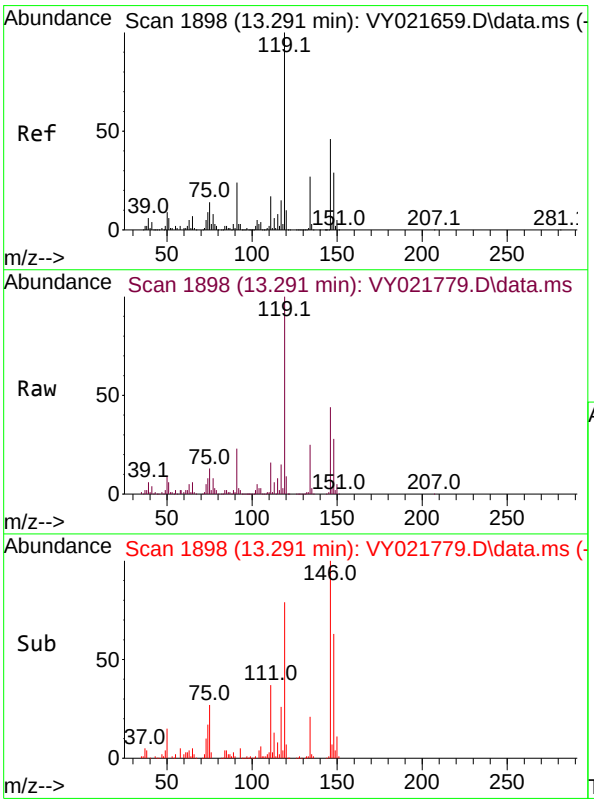
#85
sec-Butylbenzene
Concen: 19.291 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:105 Resp: 231681

Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

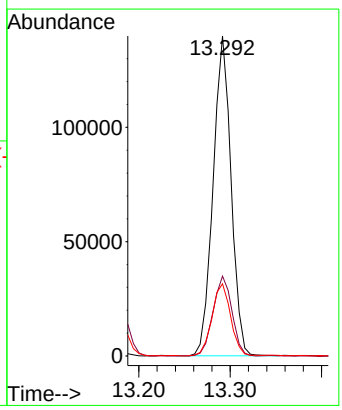


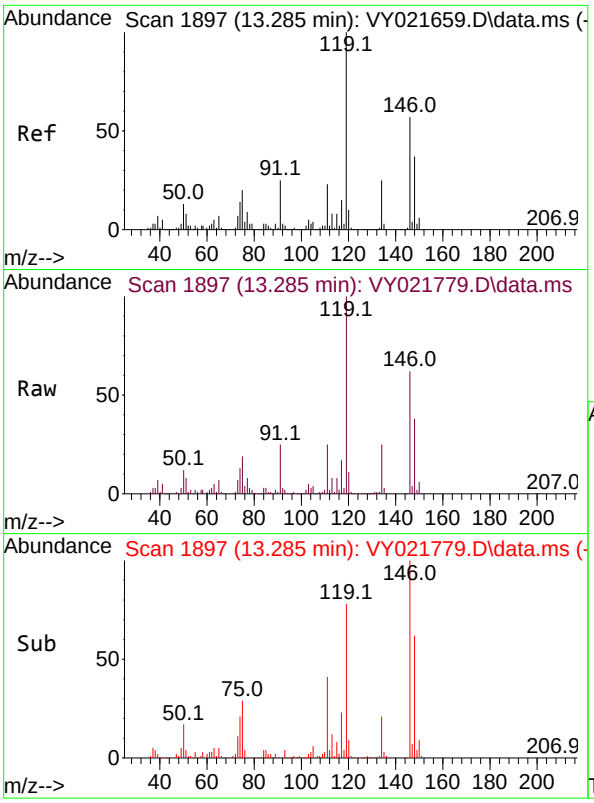


#86
p-Isopropyltoluene
Concen: 19.237 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:119 Resp: 190946

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	23.5	12.0	36.0



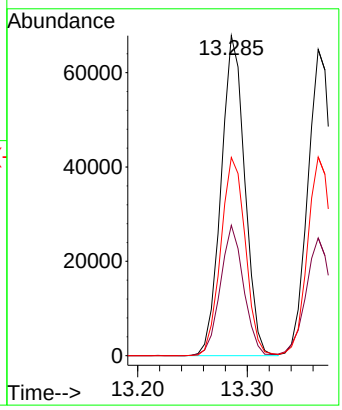


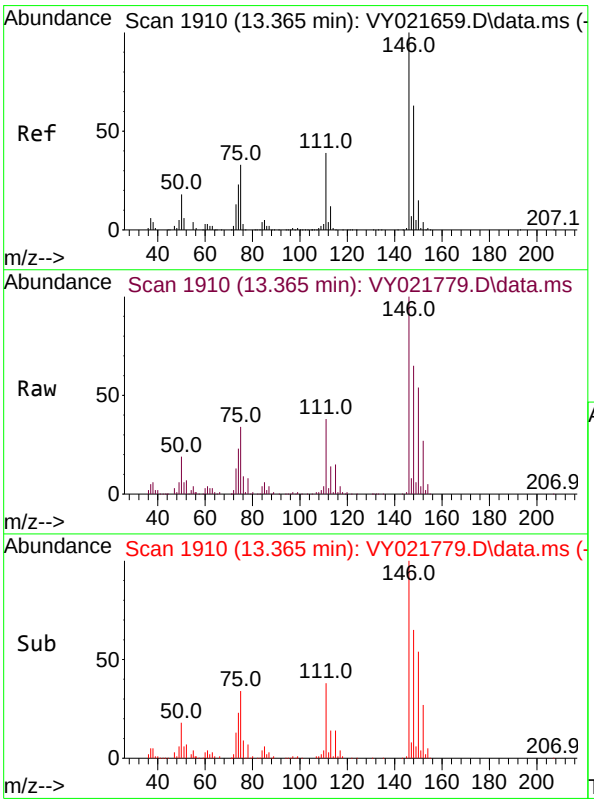
#87
1,3-Dichlorobenzene
Concen: 19.103 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:146 Resp: 102012

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.0	31.8	95.4

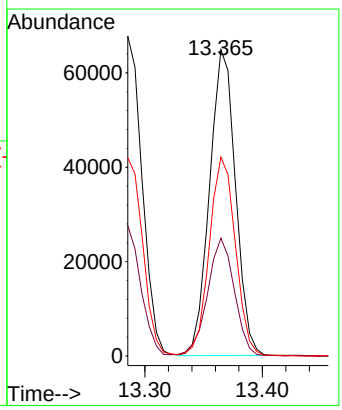


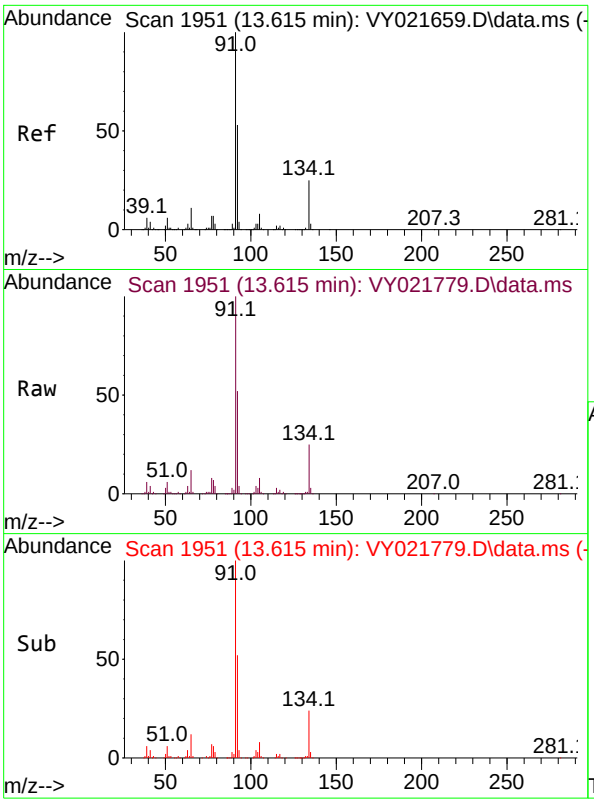


#88
1,4-Dichlorobenzene
Concen: 18.879 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:146 Resp: 99610

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.1	57.1
148	65.6	31.5	94.5



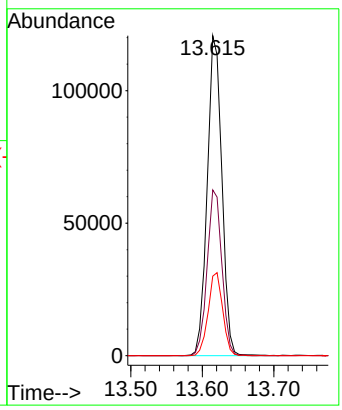


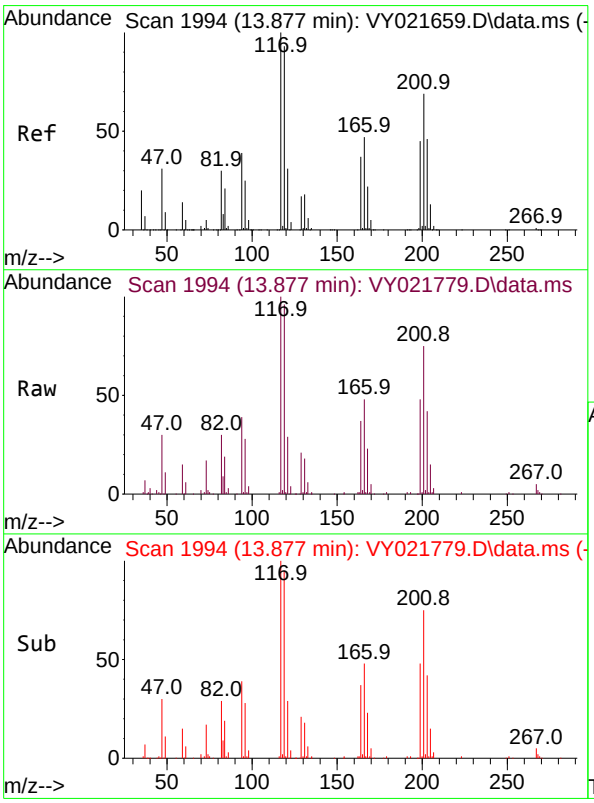
#89
n-Butylbenzene
Concen: 18.688 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion: 91 Resp: 171547

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.2
134	25.7	12.8	38.4

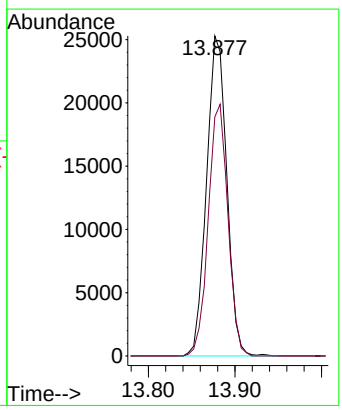


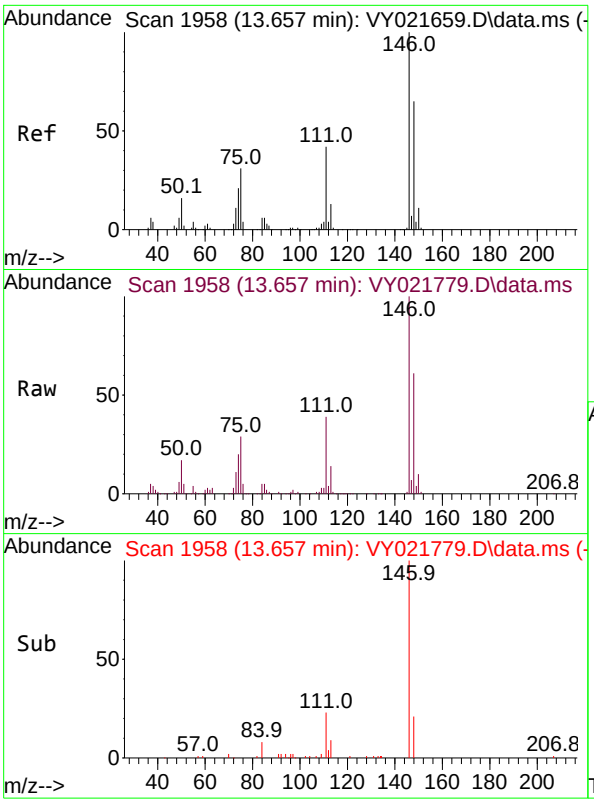


#90
Hexachloroethane
Concen: 18.858 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:117 Resp: 41020

Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.4	112.1



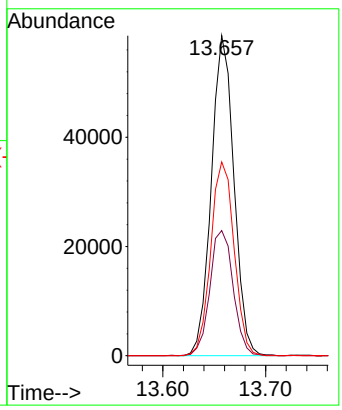


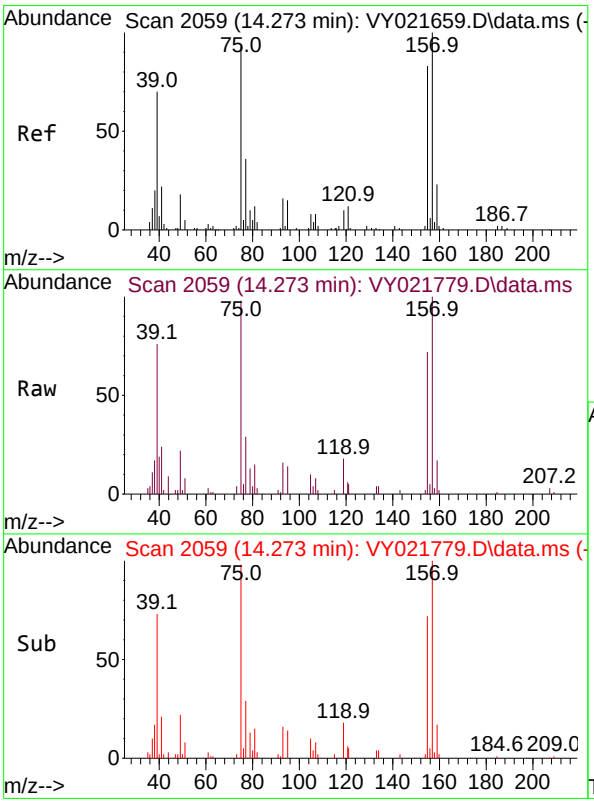
#91
1,2-Dichlorobenzene
Concen: 19.263 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:146 Resp: 89545

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	62.5	32.3	96.9

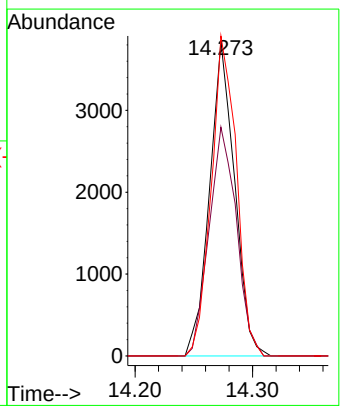


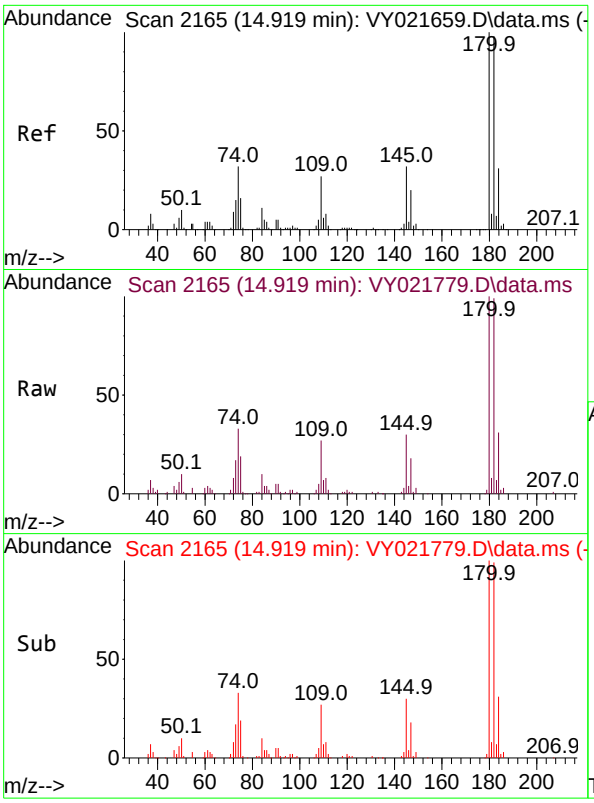


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.104 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion: 75 Resp: 5695

Ion	Ratio	Lower	Upper
75	100		
155	79.3	43.0	128.8
157	102.1	54.0	162.0



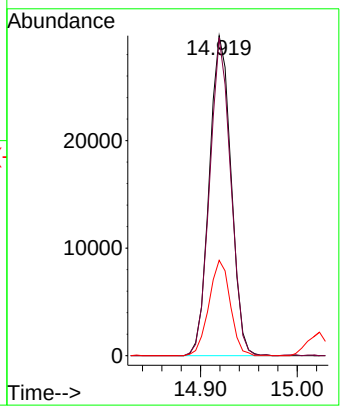


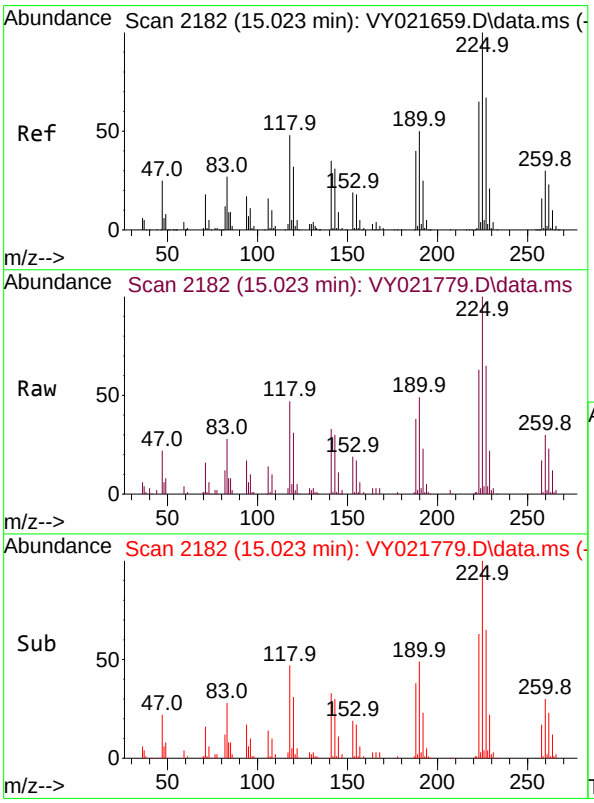
#93
1,2,4-Trichlorobenzene
Concen: 18.388 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:180 Resp: 46354

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	29.3	14.9	44.9

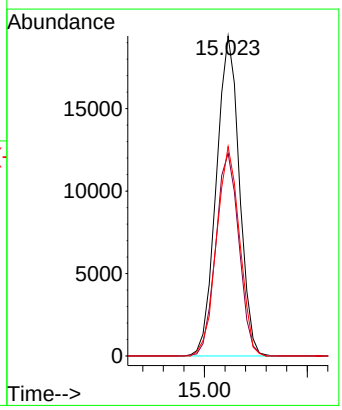


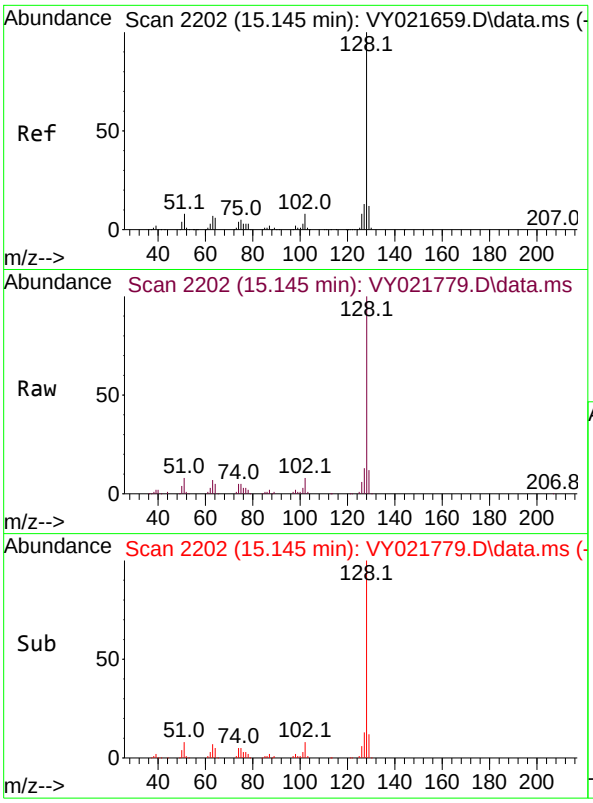


#94
Hexachlorobutadiene
Concen: 19.118 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:225 Resp: 30099

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.7
227	65.4	32.4	97.0



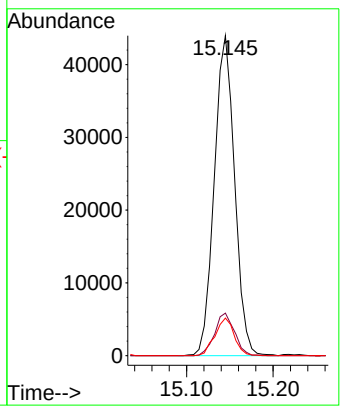


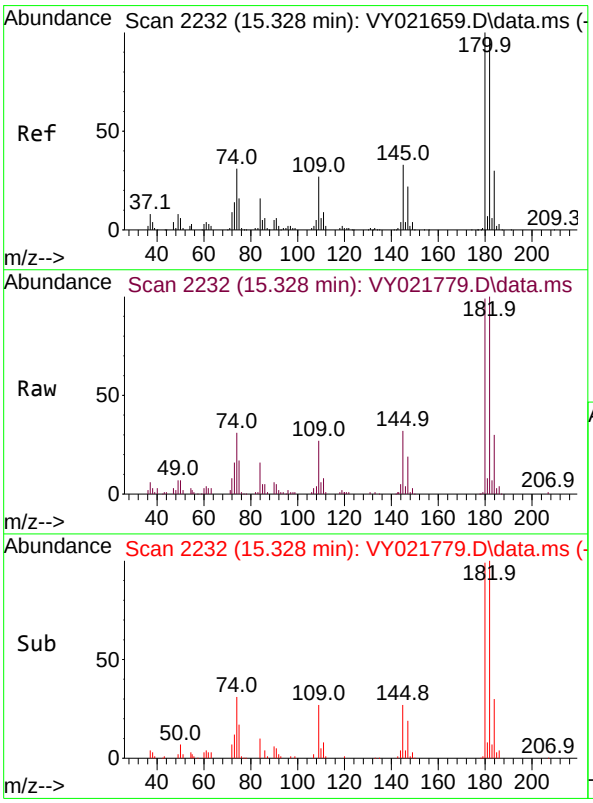
#95
Naphthalene
Concen: 17.176 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBSD01

Tgt Ion:128 Resp: 71772

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.2	8.8	13.2

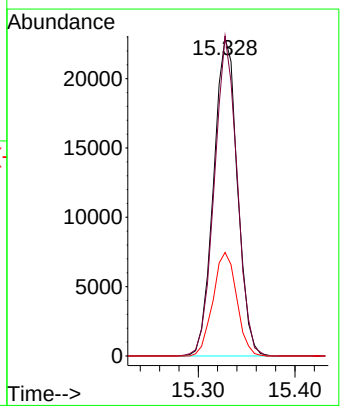




#96
1,2,3-Trichlorobenzene
Concen: 18.186 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021779.D
Acq: 04 Apr 2025 10:49

Tgt Ion:180 Resp: 39094

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	32.4	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Quant Time: Apr 04 23:40:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

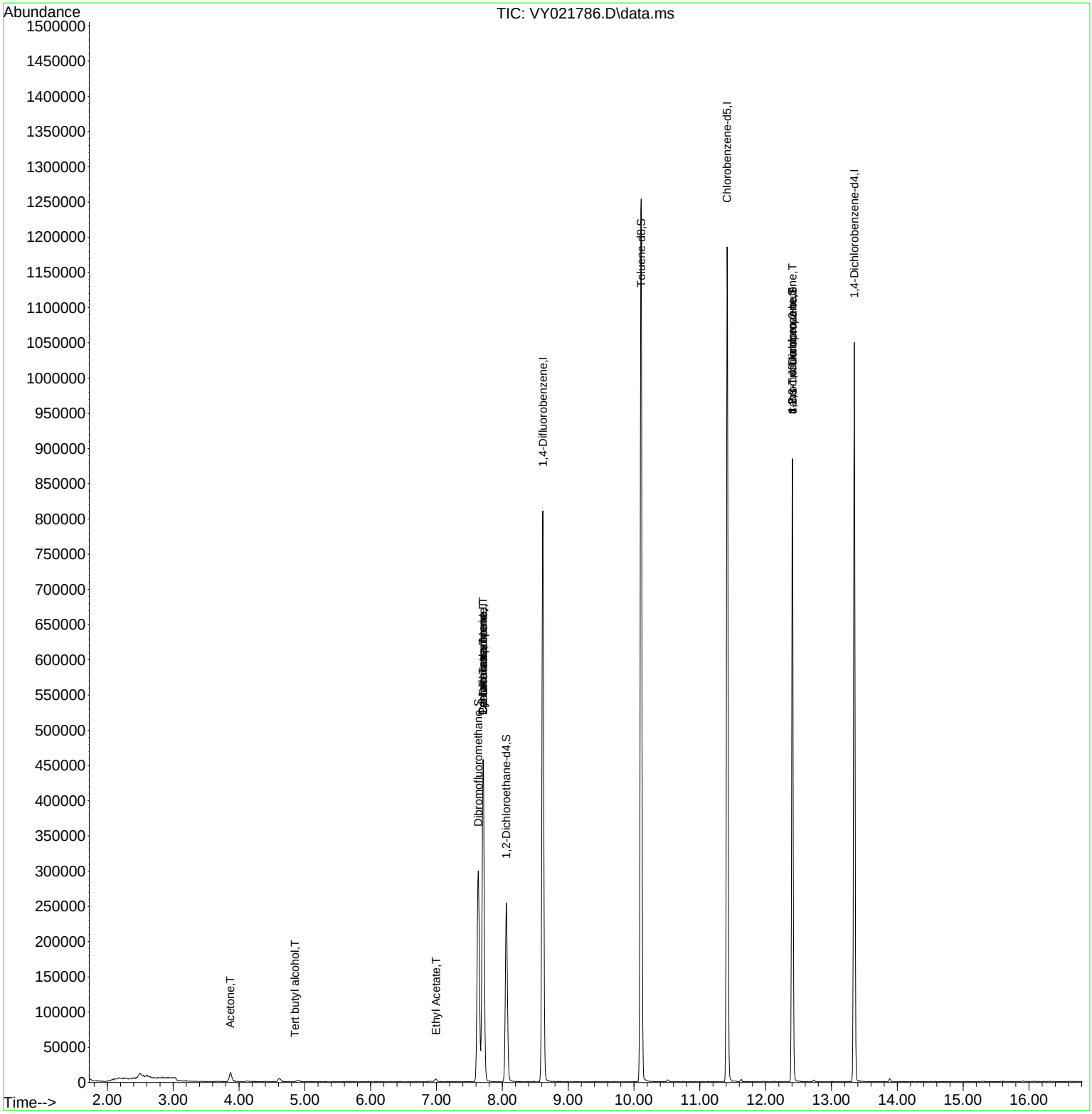
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	341604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	662745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	606680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200040	54.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.100%			
35) Dibromofluoromethane	7.634	113	213518	49.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.109	98	813418	49.735	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.408	95	260762	47.136	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	948	3.943	ug/l #	70
16) Acetone	3.867	43	22926	30.266	ug/l	95
20) Methylene Chloride	4.616	84	3087	Below Cal		91
31) Cyclohexane	7.707	56	7603	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28075	4.287	ug/l #	51
37) Ethyl Acetate	6.994	43	5812	1.881	ug/l #	88
38) Carbon Tetrachloride	7.707	117	35570	4.743	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	138091	55.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	138091	127.943	ug/l #	12

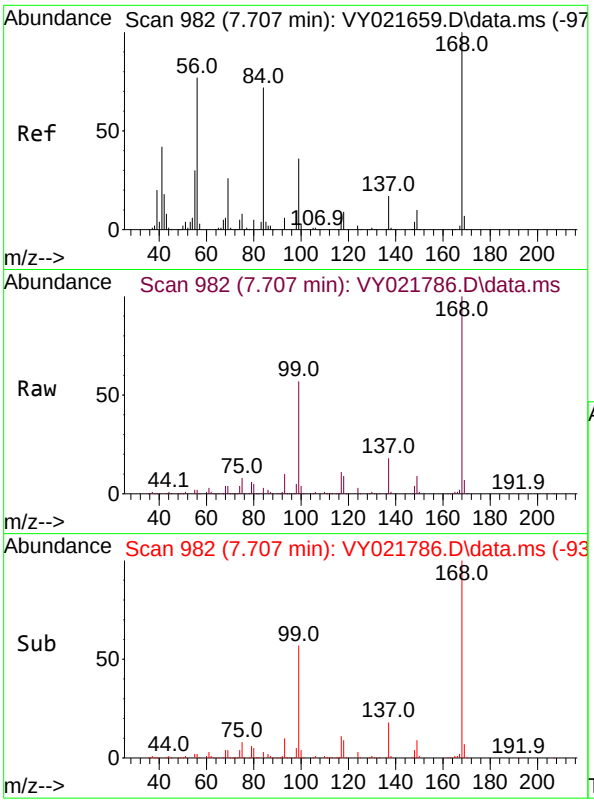
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021786.D
Acq On : 04 Apr 2025 15:24
Operator : SY/MD
Sample : Q1730-11
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Quant Time: Apr 04 23:40:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



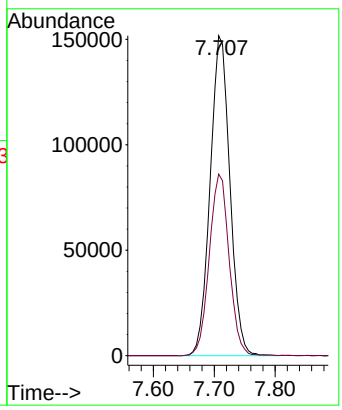


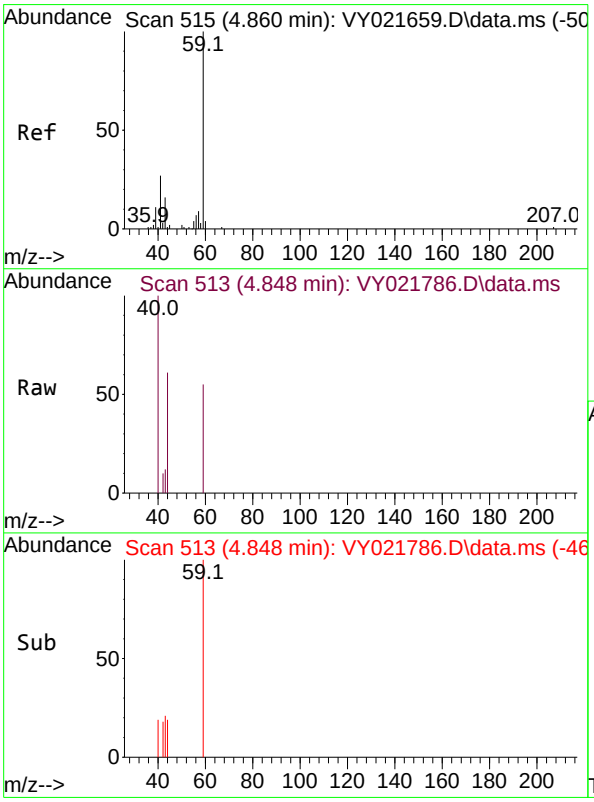
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion:168 Resp: 341604

Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1

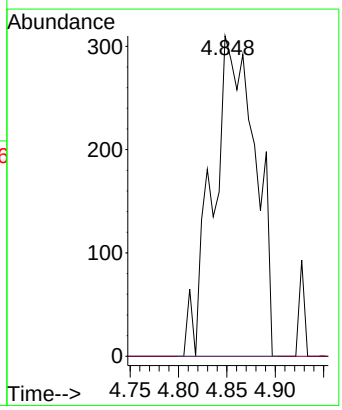


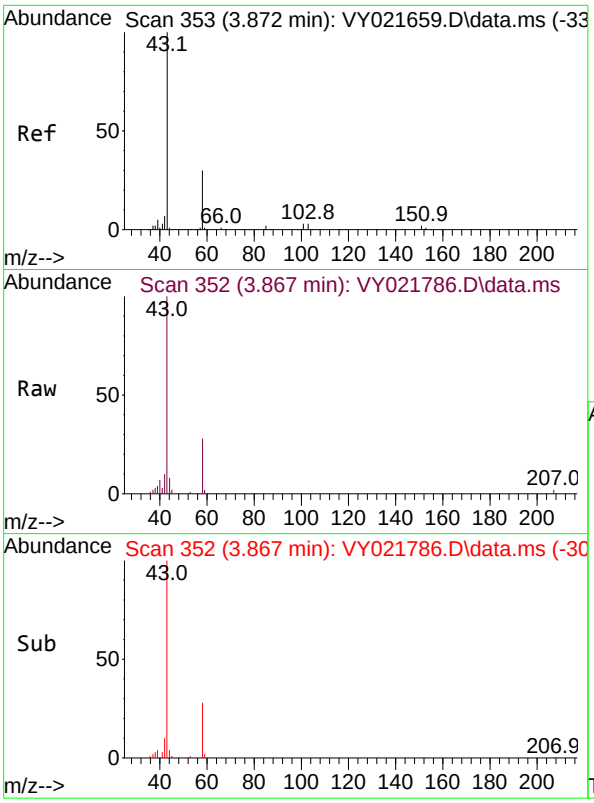


#11
Tert butyl alcohol
Concen: 3.943 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 59 Resp: 948

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#



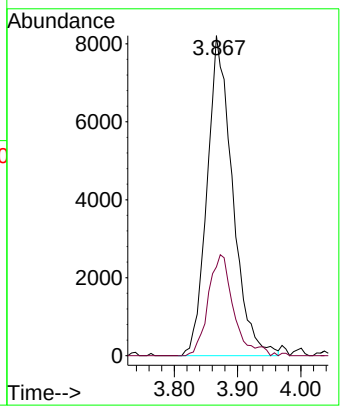


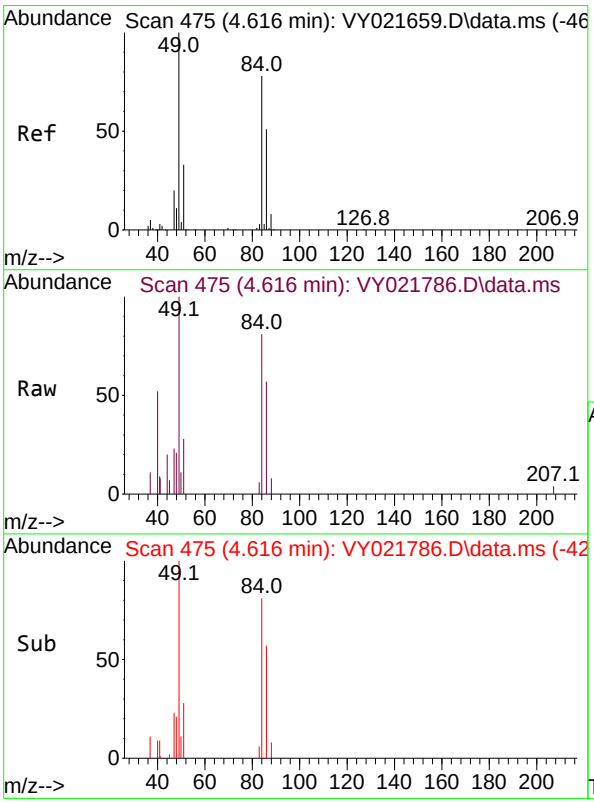
#16
Acetone
Concen: 30.266 ug/l
RT: 3.867 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion: 43 Resp: 22926

Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.2	36.4

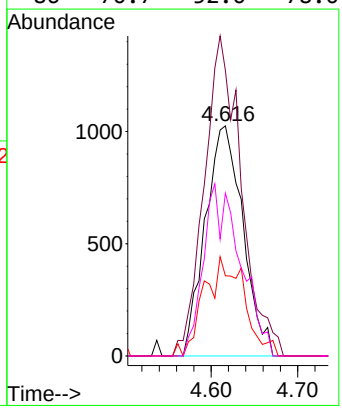


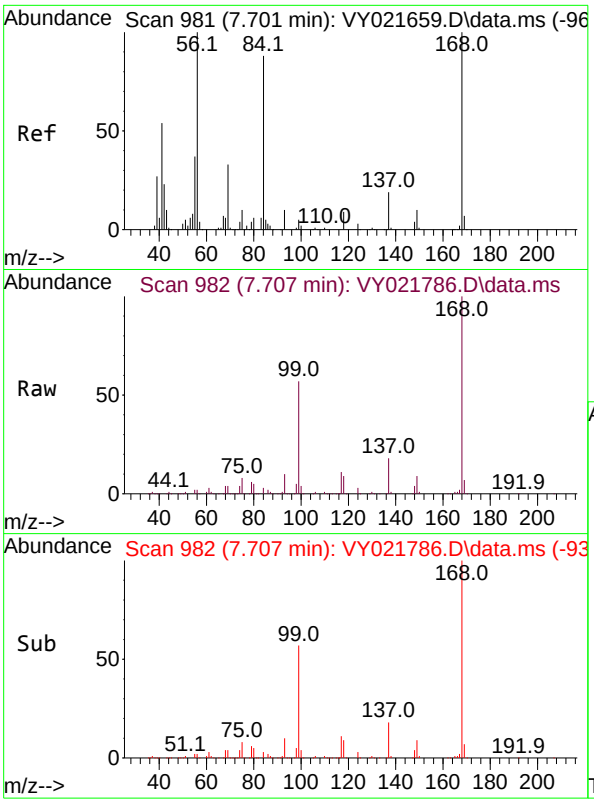


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 84 Resp: 3087

Ion	Ratio	Lower	Upper
84	100		
49	117.4	102.8	154.2
51	34.8	33.5	50.3
86	70.7	52.0	78.0



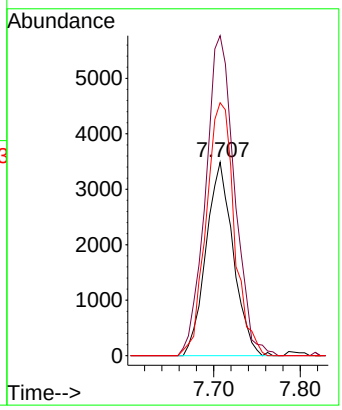


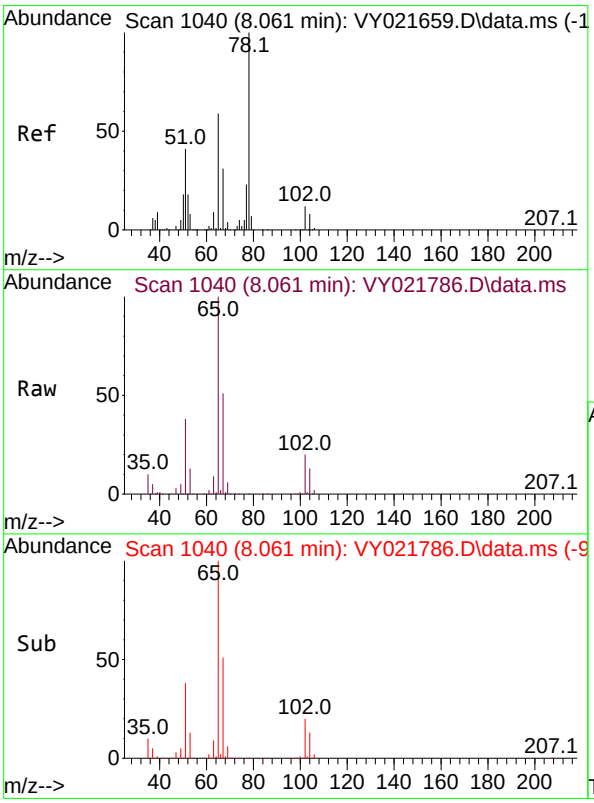
#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion: 56 Resp: 7603

Ion	Ratio	Lower	Upper
56	100		
69	165.4	26.6	40.0#
84	130.7	69.0	103.4#

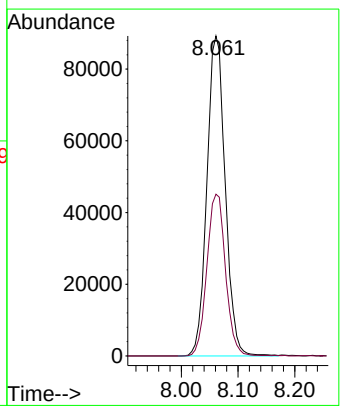


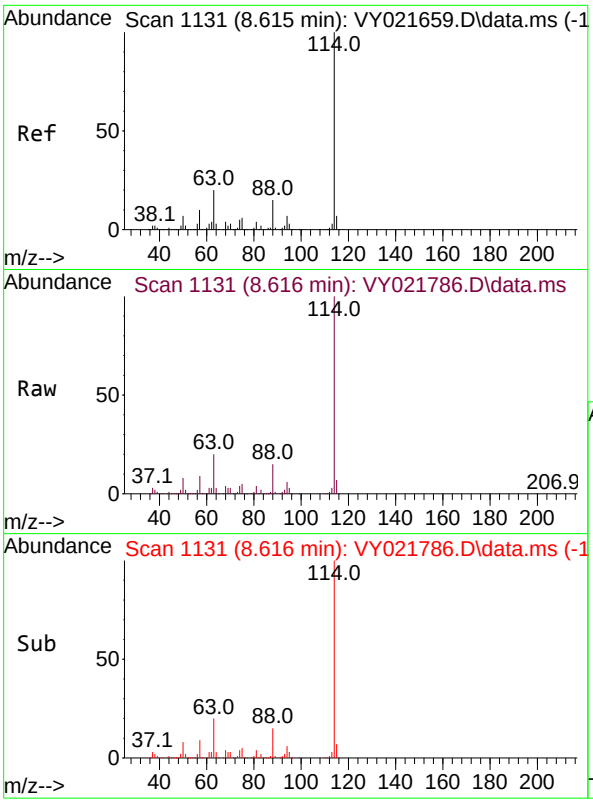


#33
1,2-Dichloroethane-d4
Concen: 54.048 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 65 Resp: 200040

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.6



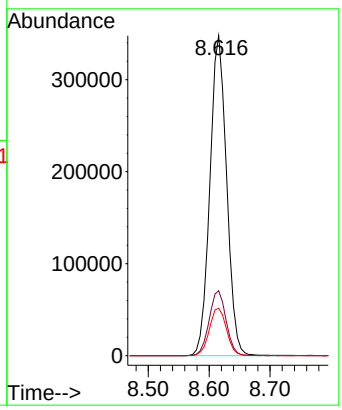


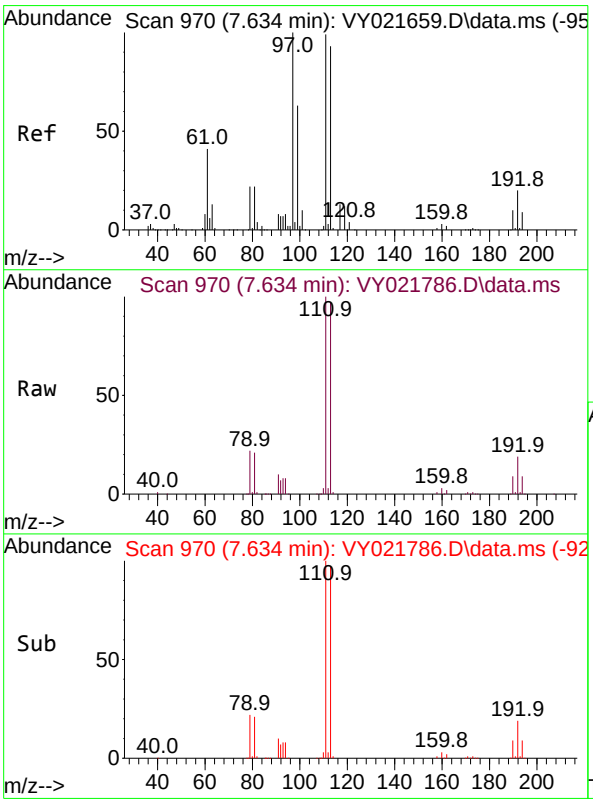
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion:114 Resp: 662745

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	14.8	0.0	29.8

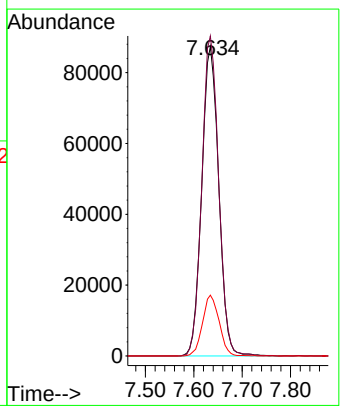


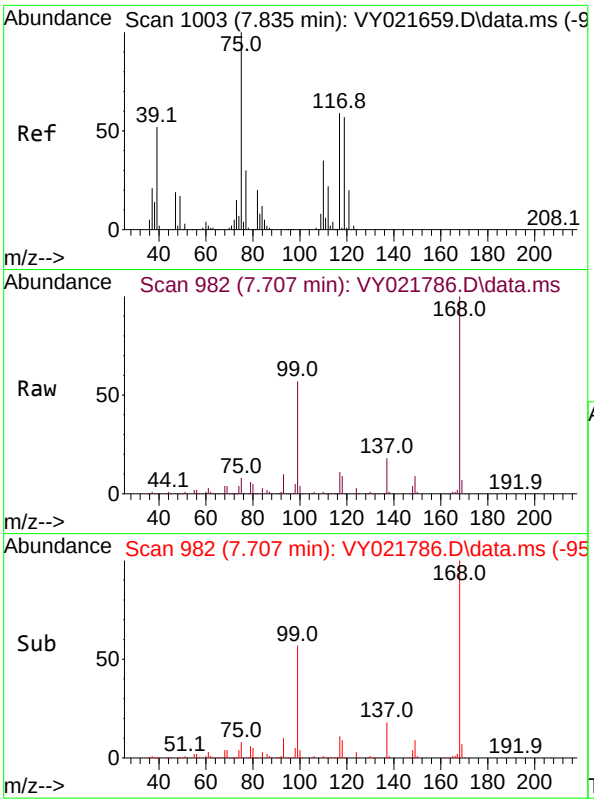


#35
Dibromofluoromethane
Concen: 49.666 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion:113 Resp: 213518

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	19.2	16.2	24.4



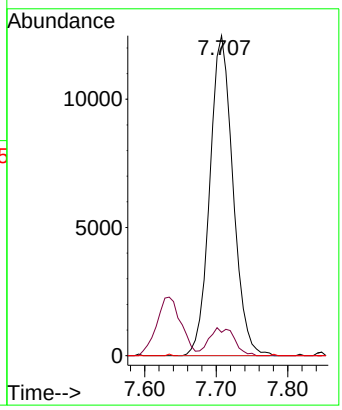


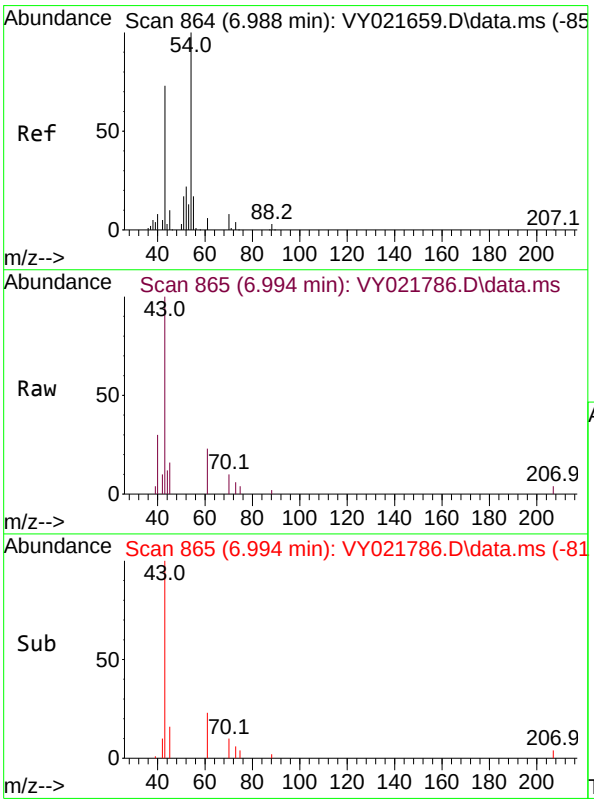
#36
1,1-Dichloropropene
Concen: 4.287 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.128 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion: 75 Resp: 28075

Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.8	37.2#

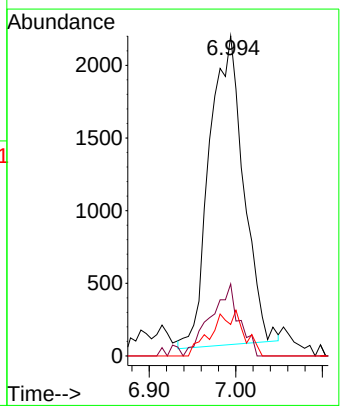


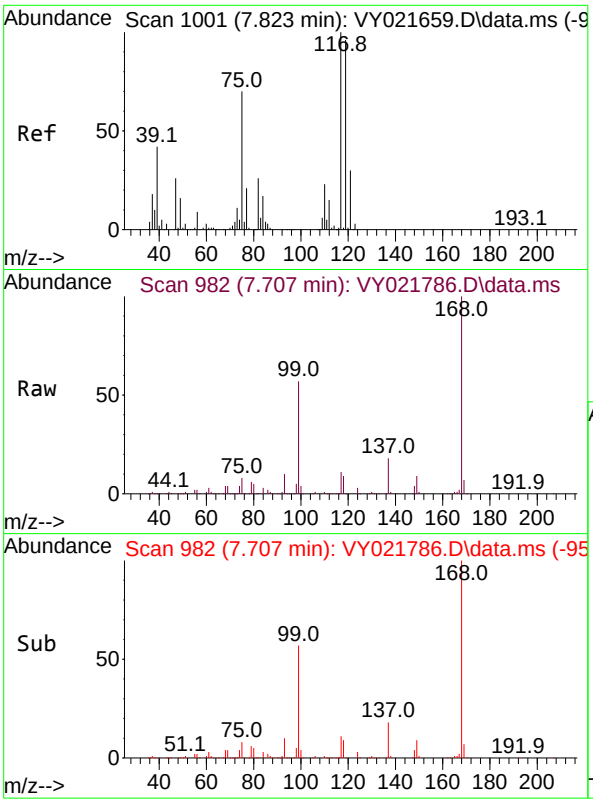


#37
Ethyl Acetate
Concen: 1.881 ug/l
RT: 6.994 min Scan# 865
Delta R.T. 0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 43 Resp: 5812

Ion	Ratio	Lower	Upper
43	100		
61	19.5	11.0	16.6#
70	13.8	8.1	12.1#



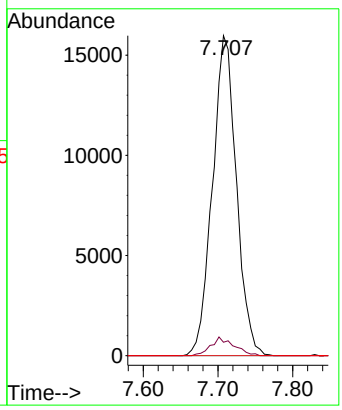


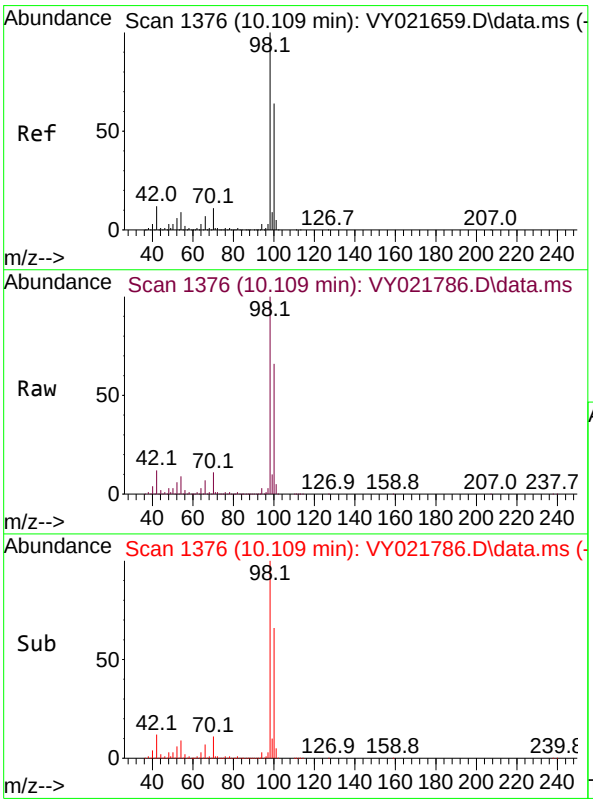
#38
Carbon Tetrachloride
Concen: 4.743 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.116 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion:117 Resp: 35570

Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.2	114.4#
121	0.0	24.2	36.4#

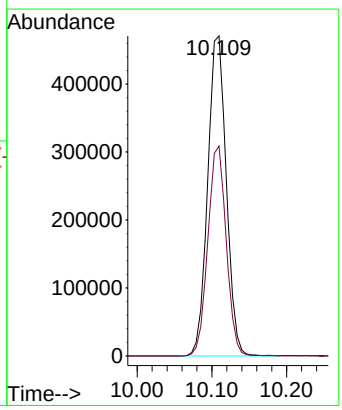


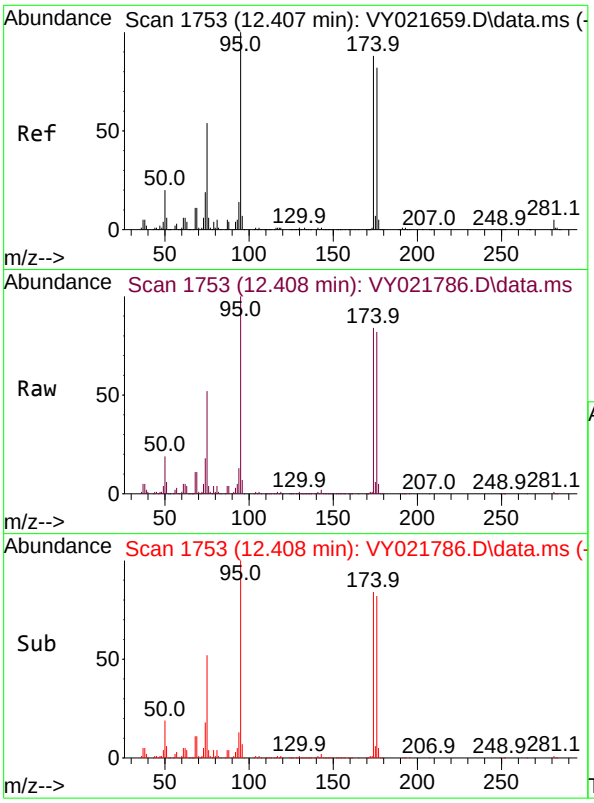


#50
Toluene-d8
Concen: 49.735 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 98 Resp: 813418

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1



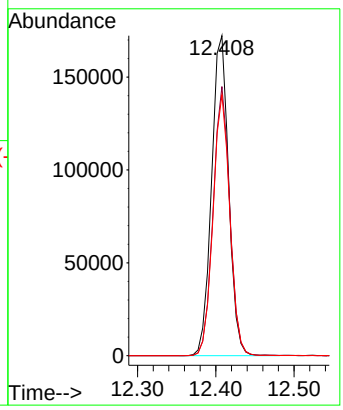


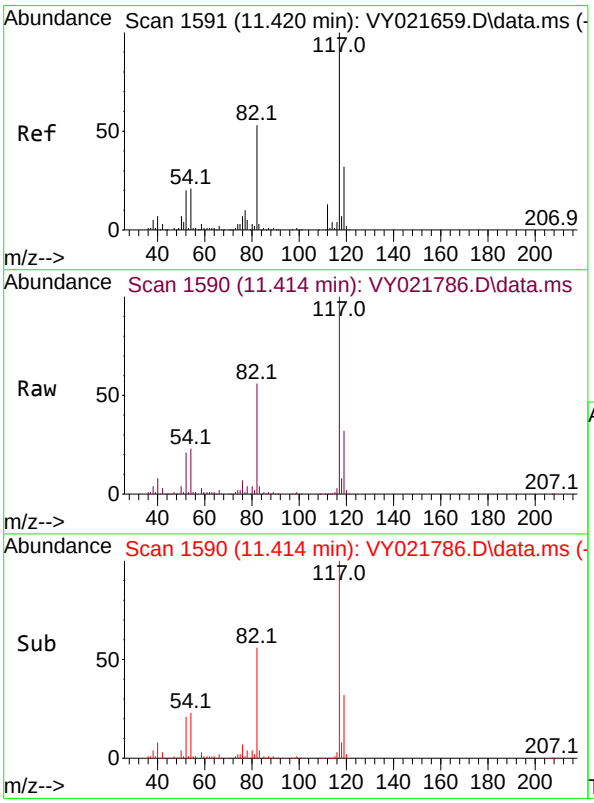
#62
4-Bromofluorobenzene
Concen: 47.136 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion: 95 Resp: 260762

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	170.8
176	80.1	0.0	162.0

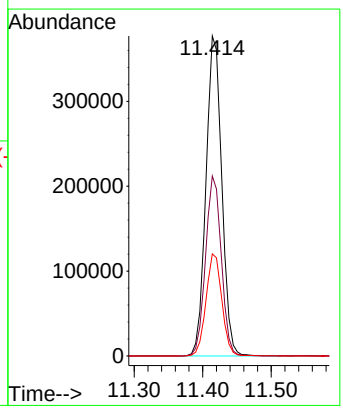


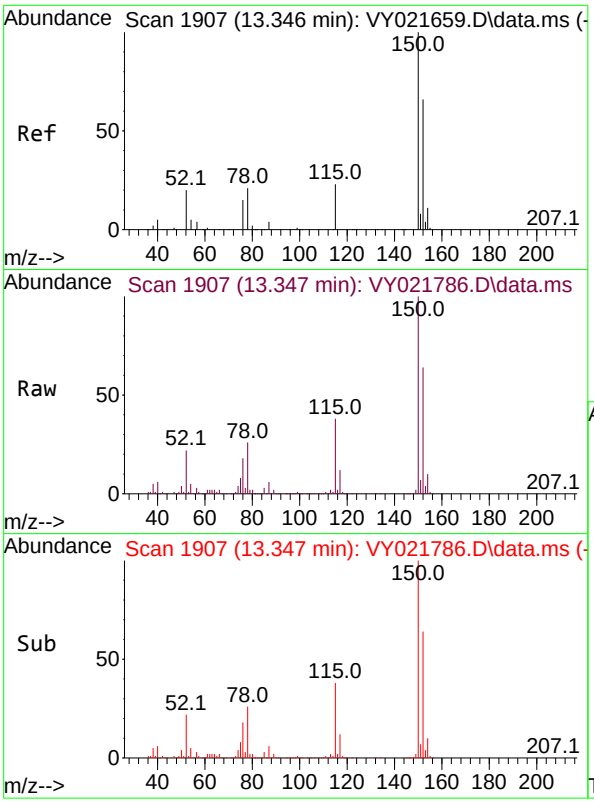


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion:117 Resp: 606680

Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.8	64.2
119	31.9	25.7	38.5



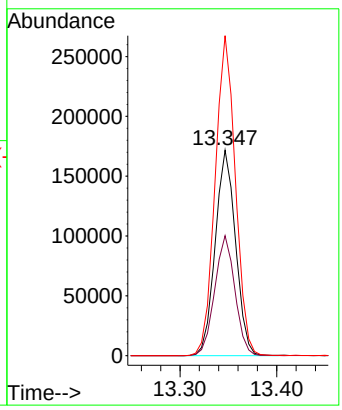


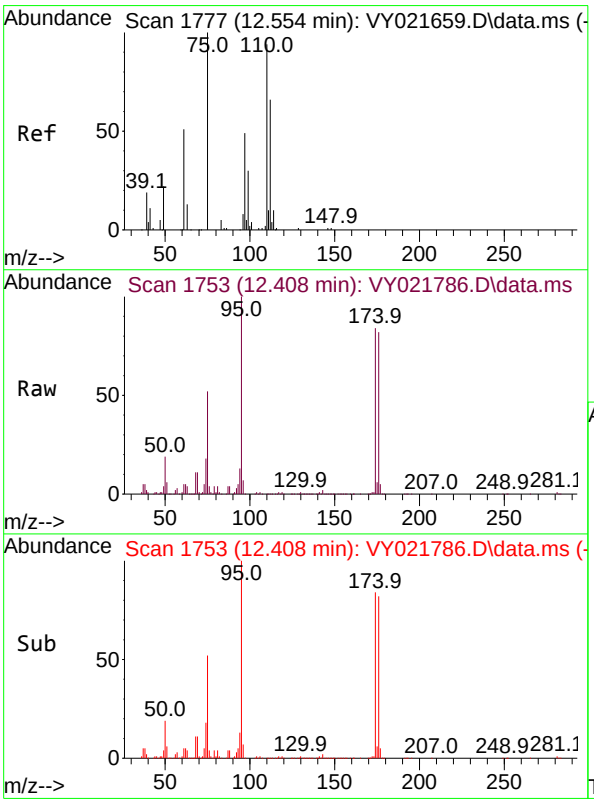
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion:152 Resp: 250886

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	155.0	0.0	348.4

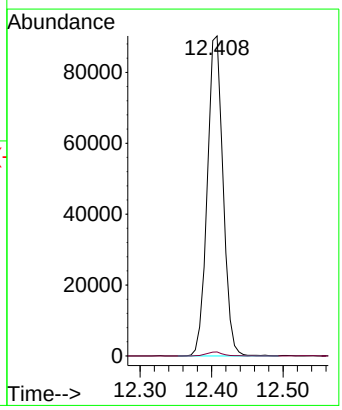


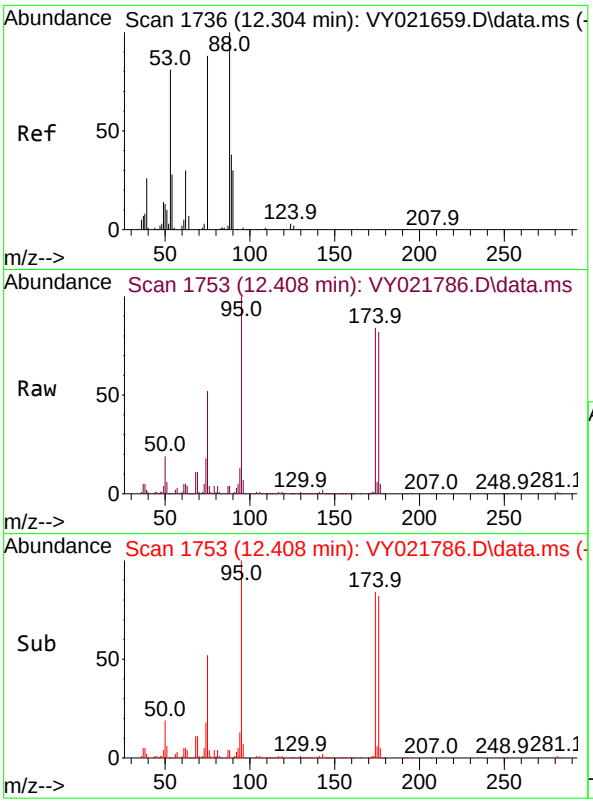


#76
1,2,3-Trichloropropane
Concen: 55.527 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 75 Resp: 138091

Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#



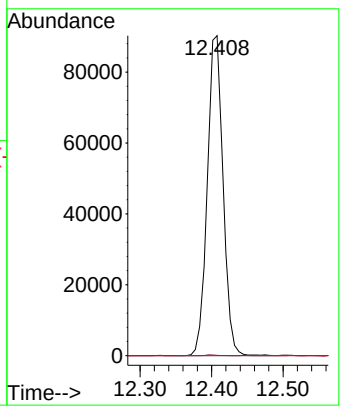


#81
trans-1,4-Dichloro-2-butene
Concen: 127.943 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

Tgt Ion: 75 Resp: 138091

Ion	Ratio	Lower	Upper
75	100		
53	0.2	76.1	114.1#
89	0.0	36.2	54.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	174293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	268405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93081	49.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.580%			
35) Dibromofluoromethane	7.634	113	89783	51.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.103	98	328405	49.581	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.408	95	121039	54.025	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	62640	34.675	ug/l	99
3) Chloromethane	2.068	50	96339	37.926	ug/l	100
4) Vinyl Chloride	2.202	62	116025	40.388	ug/l	97
5) Bromomethane	2.592	94	80538	41.105	ug/l	100
6) Chloroethane	2.733	64	82750	44.021	ug/l	96
7) Trichlorofluoromethane	3.056	101	168626	45.822	ug/l	98
8) Diethyl Ether	3.452	74	47435	47.399	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	96948	49.950	ug/l	99
10) Methyl Iodide	4.001	142	97802	45.932	ug/l	100
11) Tert butyl alcohol	4.866	59	29874	243.556	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	83387	45.612	ug/l	95
13) Acrolein	3.647	56	1776	7.930	ug/l	94
14) Allyl chloride	4.385	41	138265	47.435	ug/l	99
15) Acrylonitrile	5.061	53	111919	267.842	ug/l	100
16) Acetone	3.873	43	83270	215.455	ug/l	99
17) Carbon Disulfide	4.104	76	228452	37.940	ug/l	100
18) Methyl Acetate	4.385	43	73615	76.853	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	231989	50.970	ug/l	100
20) Methylene Chloride	4.616	84	100684	53.510	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	95054	47.223	ug/l	97
22) Diisopropyl ether	6.019	45	321680	52.609	ug/l	99
23) Vinyl Acetate	5.958	43	852883	238.431	ug/l	99
24) 1,1-Dichloroethane	5.915	63	183690	50.240	ug/l	99
25) 2-Butanone	6.896	43	139355	252.446	ug/l	99
26) 2,2-Dichloropropane	6.884	77	150953	46.414	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	113782	50.266	ug/l	99
28) Bromochloromethane	7.244	49	76527	49.629	ug/l	99
29) Tetrahydrofuran	7.262	42	94257	265.308	ug/l	100
30) Chloroform	7.421	83	195921	51.519	ug/l	96
31) Cyclohexane	7.701	56	150188	45.062	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	174309	50.714	ug/l	100
36) 1,1-Dichloropropene	7.835	75	132692	50.035	ug/l	99
37) Ethyl Acetate	6.988	43	64748	51.733	ug/l	99
38) Carbon Tetrachloride	7.817	117	155663	51.249	ug/l	99
39) Methylcyclohexane	9.109	83	161325	50.922	ug/l	99
40) Benzene	8.079	78	405446	51.051	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	34626	52.095	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	115981	51.801	ug/l		100
43) Isopropyl Acetate	8.195	43	124209	52.369	ug/l		99
44) Trichloroethene	8.866	130	105036	51.907	ug/l		99
45) 1,2-Dichloropropane	9.140	63	100494	53.457	ug/l		98
46) Dibromomethane	9.231	93	57879	53.422	ug/l		96
47) Bromodichloromethane	9.420	83	151198	53.857	ug/l		98
48) Methyl methacrylate	9.219	41	59783	54.919	ug/l		99
49) 1,4-Dioxane	9.231	88	12102	1042.700	ug/l		93
51) 4-Methyl-2-Pentanone	10.000	43	352592	285.663	ug/l		99
52) Toluene	10.170	92	260277	52.527	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	131936	52.910	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	152131	51.714	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	78322	56.175	ug/l		96
56) Ethyl methacrylate	10.439	69	101856	57.212	ug/l		99
57) 1,3-Dichloropropane	10.719	76	130252	54.092	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	256125	294.907	ug/l		99
59) 2-Hexanone	10.762	43	237017	288.335	ug/l		99
60) Dibromochloromethane	10.914	129	107386	56.412	ug/l		99
61) 1,2-Dibromoethane	11.012	107	71249	54.475	ug/l		100
64) Tetrachloroethene	10.646	164	115433	51.070	ug/l		98
65) Chlorobenzene	11.438	112	288107	50.644	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	105444	52.241	ug/l		99
67) Ethyl Benzene	11.518	91	504722	51.739	ug/l		100
68) m/p-Xylenes	11.627	106	385465	103.189	ug/l		100
69) o-Xylene	11.957	106	181127	52.528	ug/l		99
70) Styrene	11.969	104	310624	54.028	ug/l		99
71) Bromoform	12.133	173	62495	54.280	ug/l	#	100
73) Isopropylbenzene	12.255	105	490199	46.563	ug/l		100
74) N-amyl acetate	12.072	43	110051	44.542	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86820	45.870	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	117171	83.395	ug/l	#	100
77) Bromobenzene	12.530	156	115240	45.591	ug/l		99
78) n-propylbenzene	12.597	91	601889	47.555	ug/l		100
79) 2-Chlorotoluene	12.682	91	337495	45.910	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	405133	47.086	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	26232	43.020	ug/l		90
82) 4-Chlorotoluene	12.780	91	353167	46.082	ug/l		99
83) tert-Butylbenzene	12.999	119	368560	48.092	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	407964	47.974	ug/l		99
85) sec-Butylbenzene	13.176	105	545612	48.717	ug/l		100
86) p-Isopropyltoluene	13.292	119	453488	48.991	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	233593	46.907	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	229501	46.644	ug/l		99
89) n-Butylbenzene	13.615	91	419749	49.033	ug/l		99
90) Hexachloroethane	13.877	117	95647	47.153	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	205263	47.349	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14291	48.715	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	117675	50.055	ug/l		99
94) Hexachlorobutadiene	15.023	225	74539	50.768	ug/l		97
95) Naphthalene	15.145	128	211567	54.294	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	103426	51.591	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

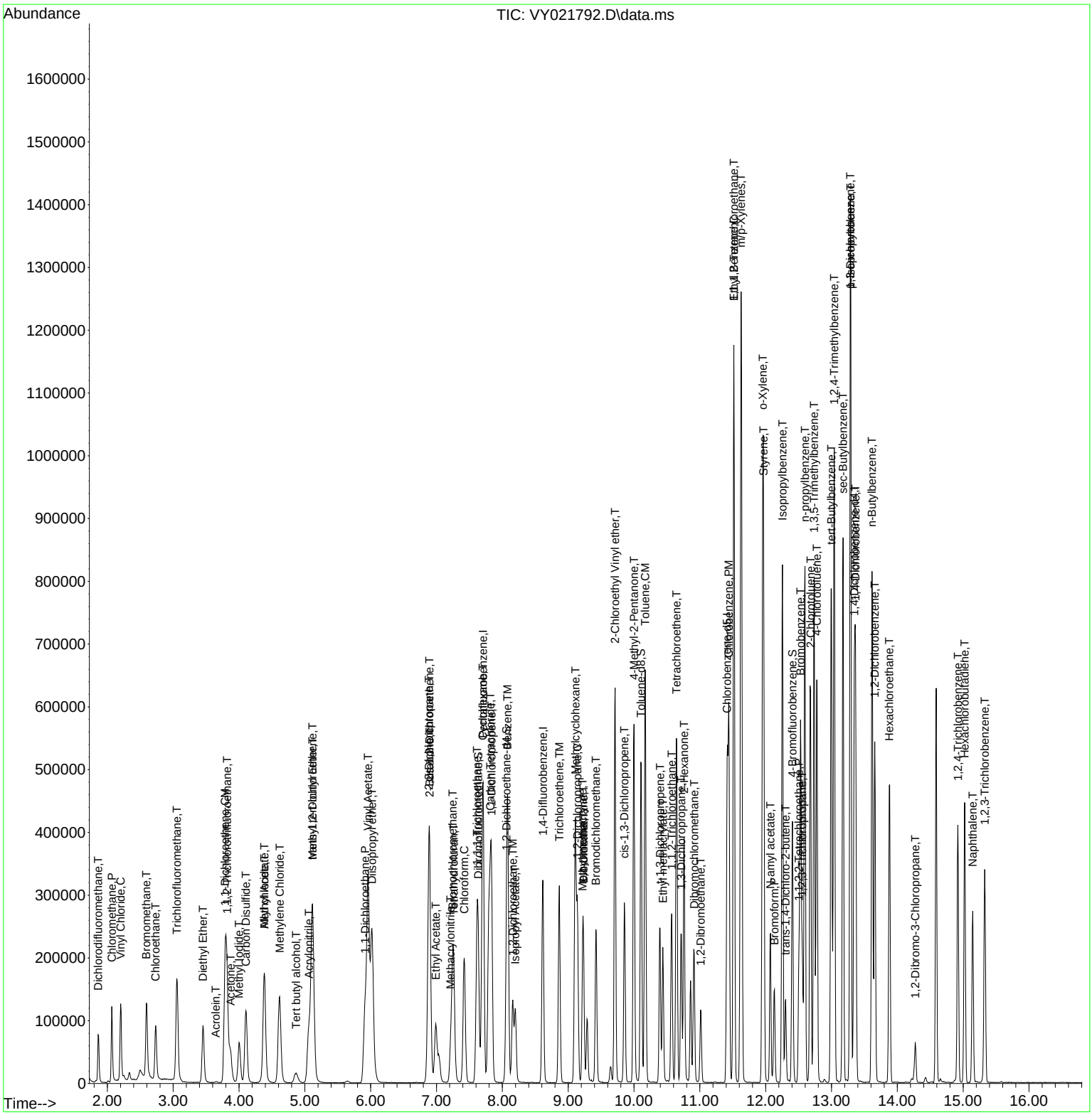
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

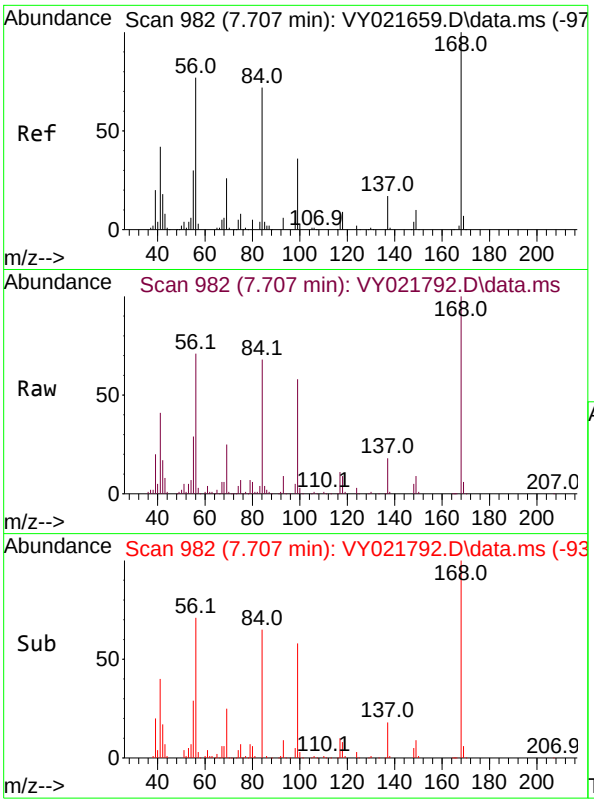
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
Data File : VY021792.D
Acq On : 04 Apr 2025 17:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 04 23:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



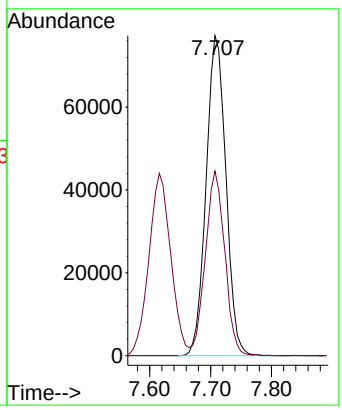


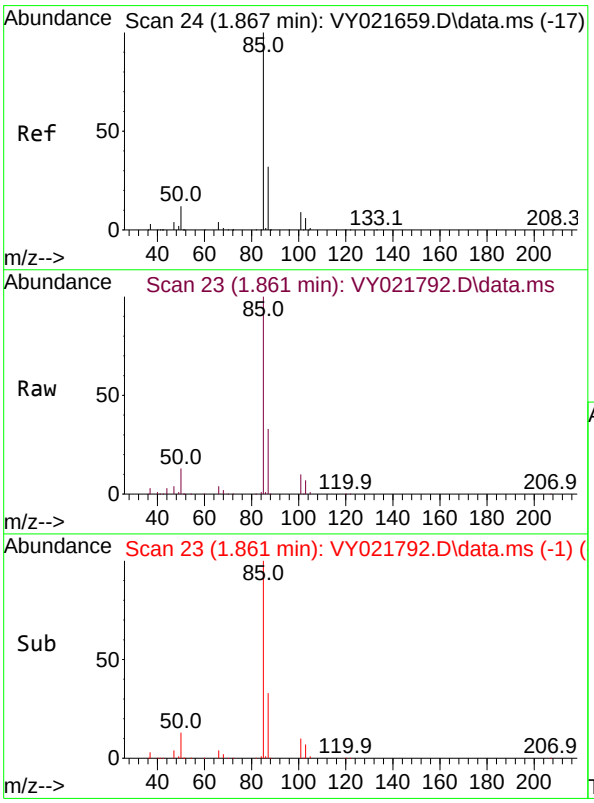
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 174293

Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.7	70.1

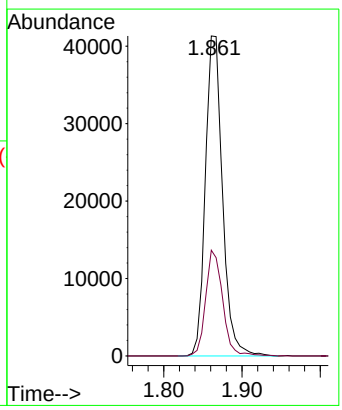


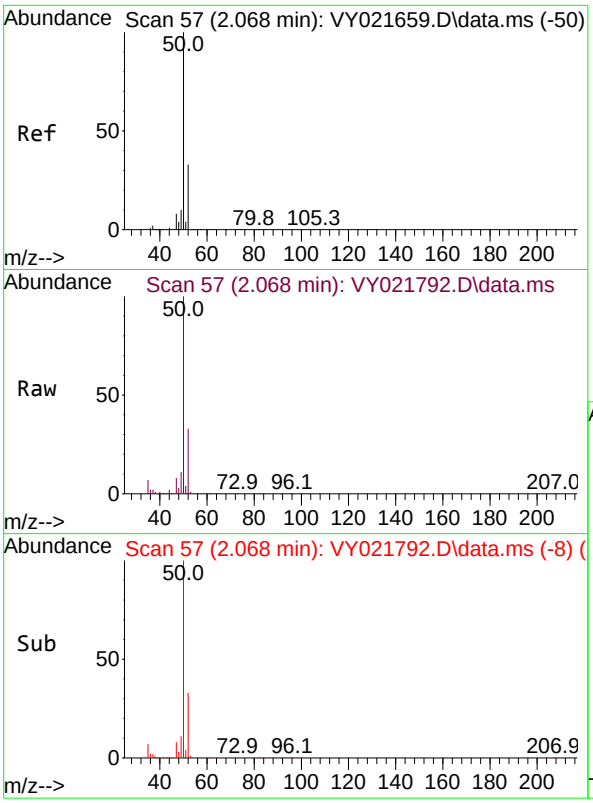


#2
Dichlorodifluoromethane
Concen: 34.675 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 85 Resp: 62640

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.2	48.6



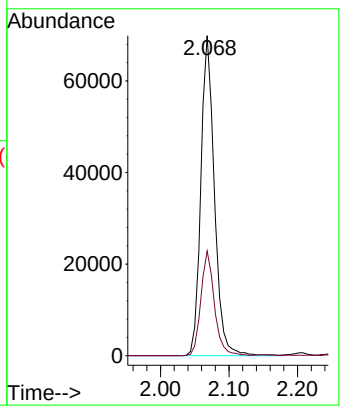


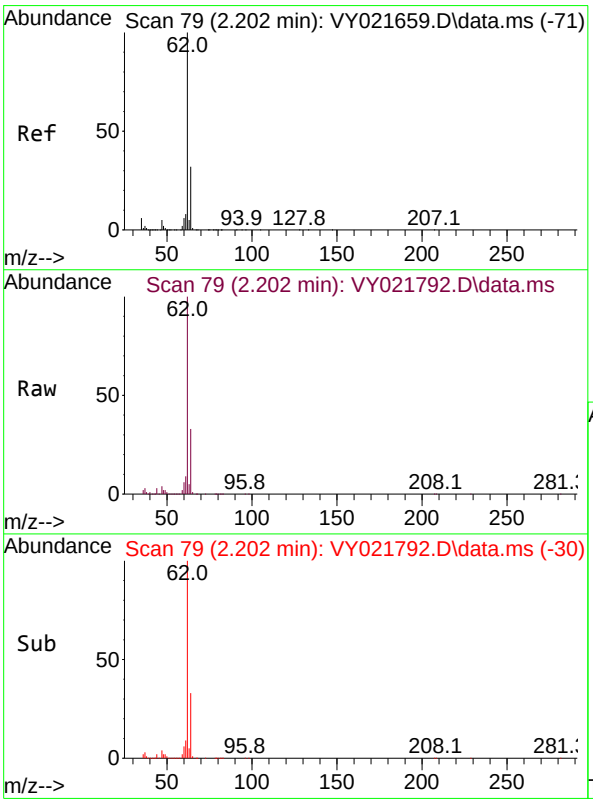
#3
Chloromethane
Concen: 37.926 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 96339

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5

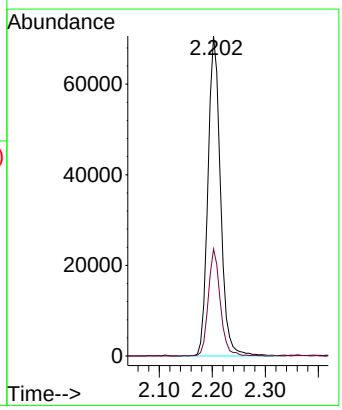


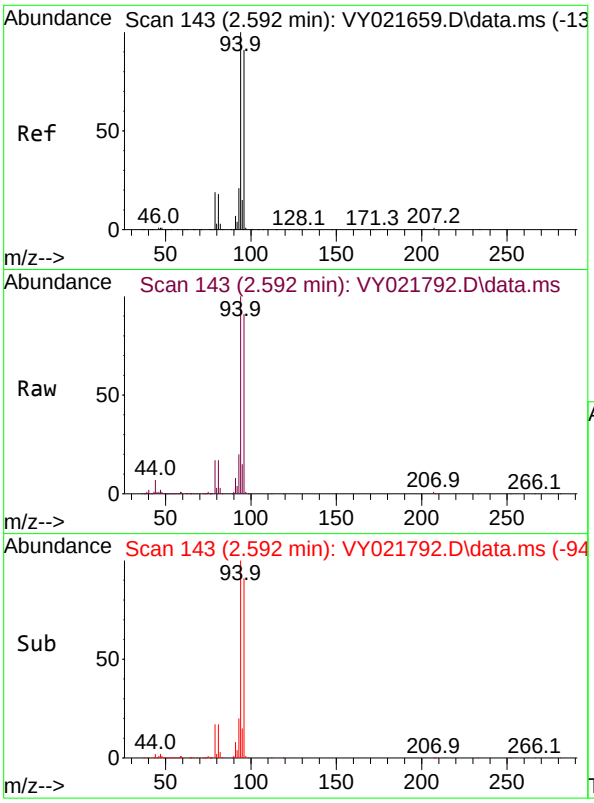


#4
Vinyl Chloride
Concen: 40.388 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 62 Resp: 116025

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.5	38.3



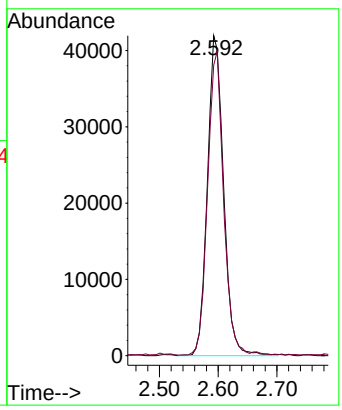


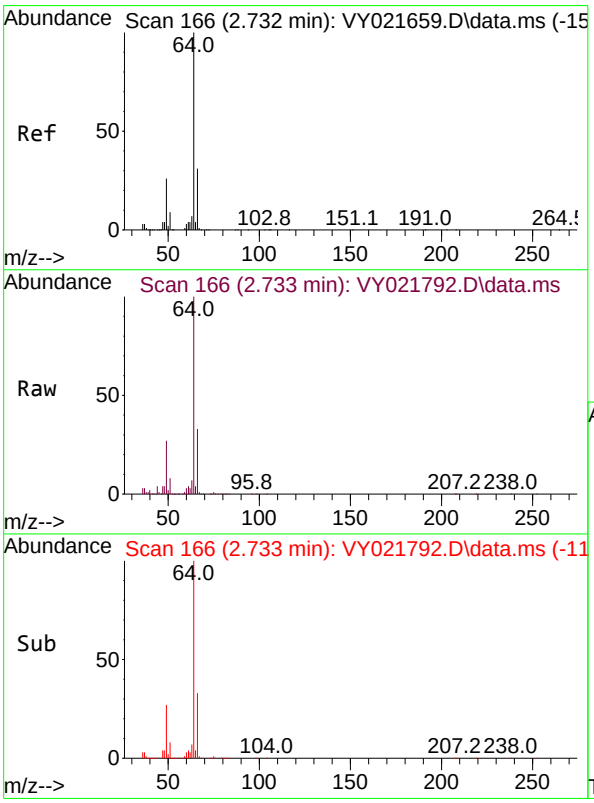
#5
Bromomethane
Concen: 41.105 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 80538

Ion	Ratio	Lower	Upper
94	100		
96	90.6	72.8	109.2

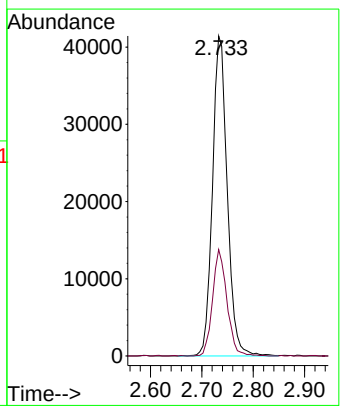


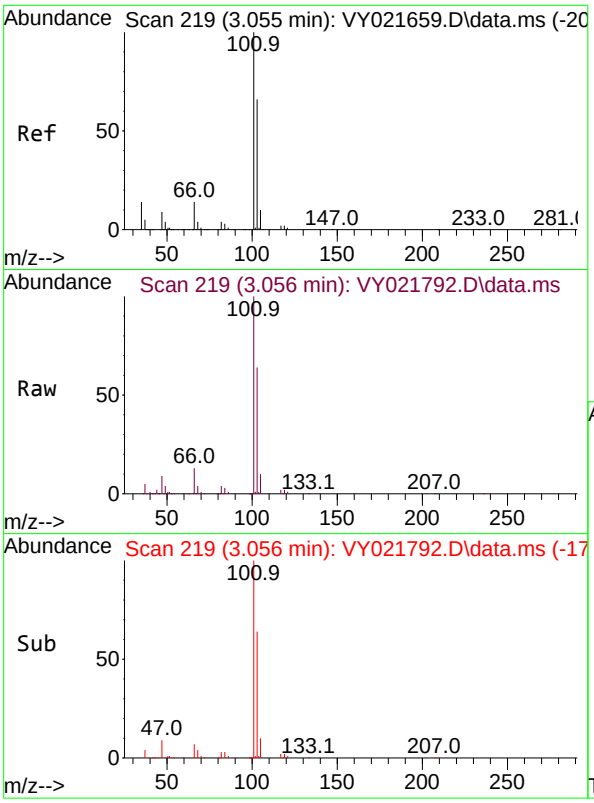


#6
Chloroethane
Concen: 44.021 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 64 Resp: 82750

Ion	Ratio	Lower	Upper
64	100		
66	33.2	24.9	37.3



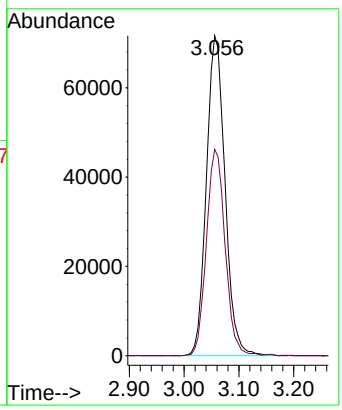


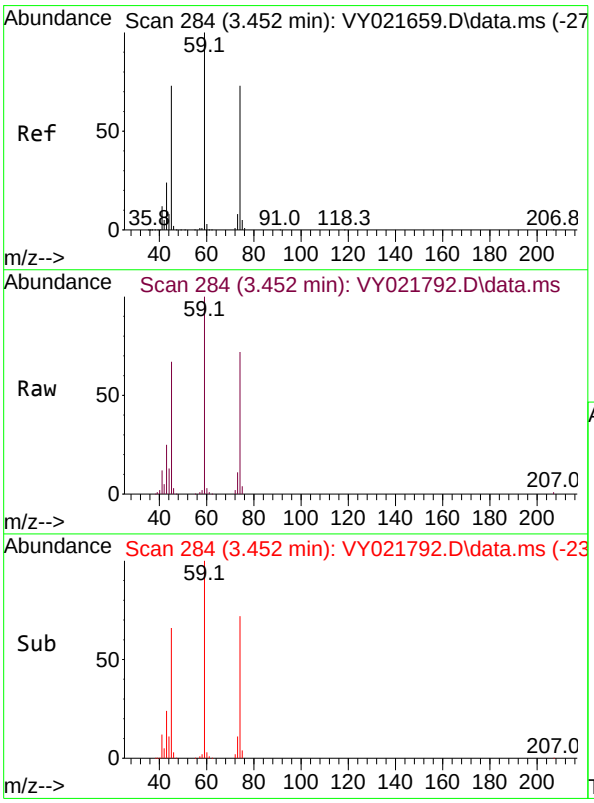
#7
Trichlorofluoromethane
Concen: 45.822 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 168626

Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.1	79.7

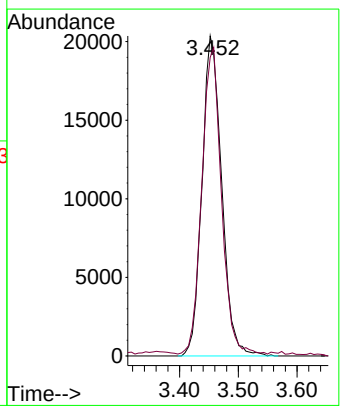


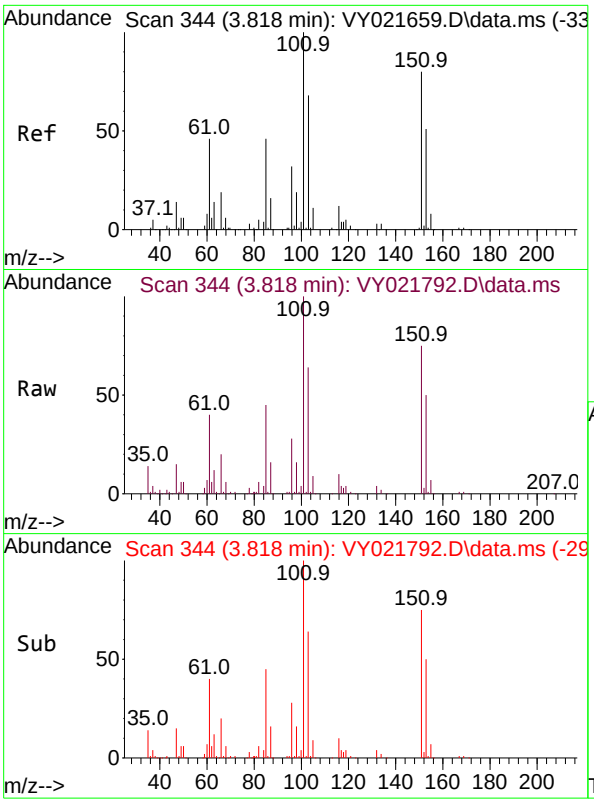


#8
Diethyl Ether
Concen: 47.399 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 74 Resp: 47435

Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.6	145.8



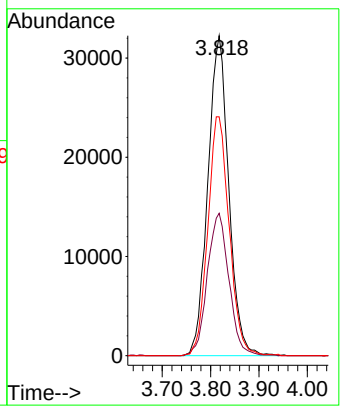


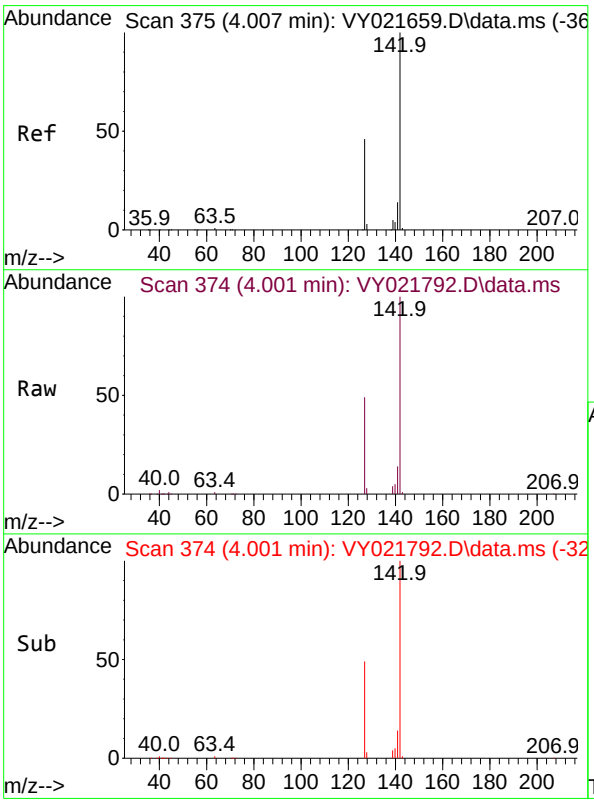
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.950 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 96948

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.3	54.5
151	76.3	61.3	91.9

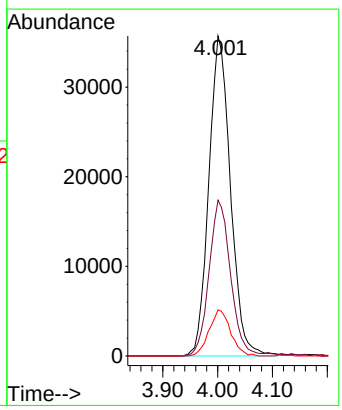


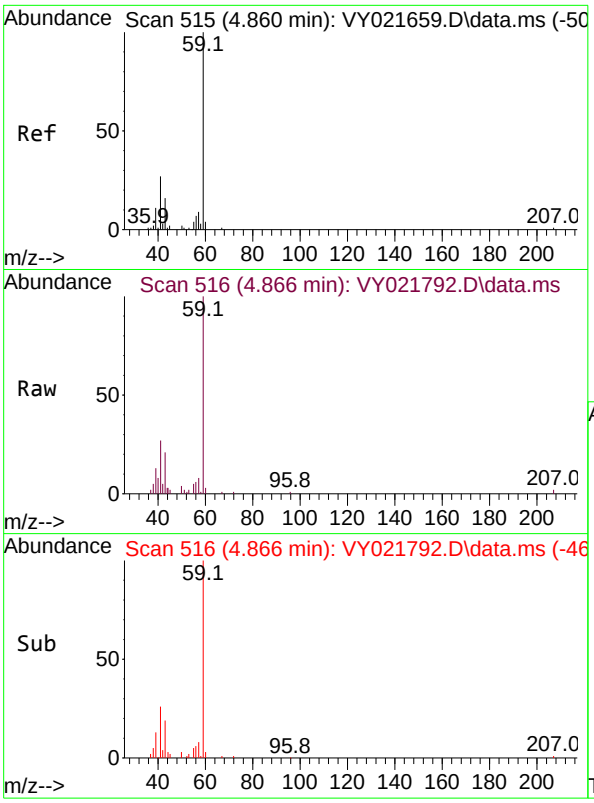


#10
Methyl Iodide
Concen: 45.932 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:142 Resp: 97802

Ion	Ratio	Lower	Upper
142	100		
127	48.2	38.7	58.1
141	14.3	11.5	17.3



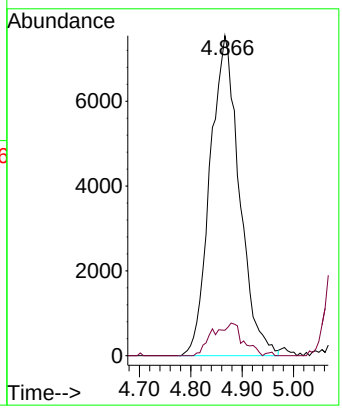


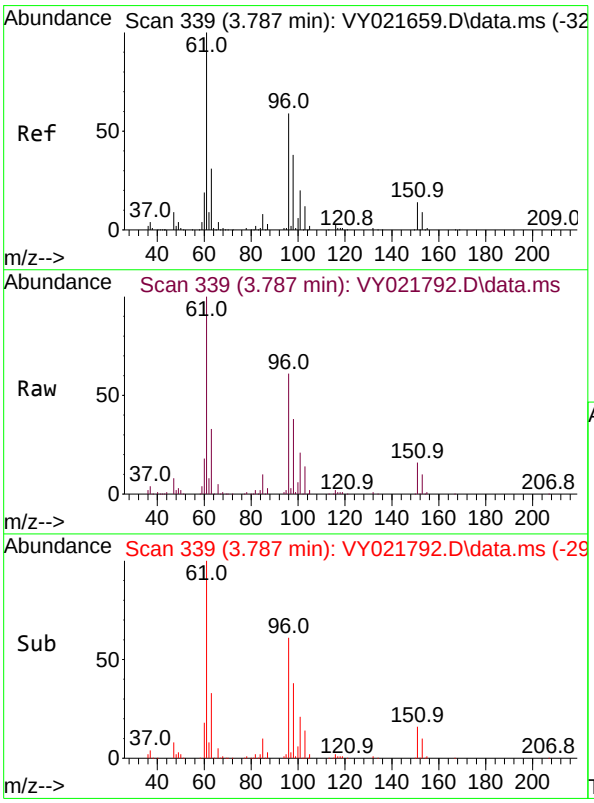
#11
Tert butyl alcohol
Concen: 243.556 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 29874

Ion	Ratio	Lower	Upper
59	100		
57	5.5	9.2	13.8#

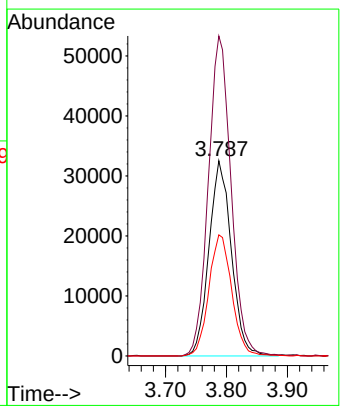


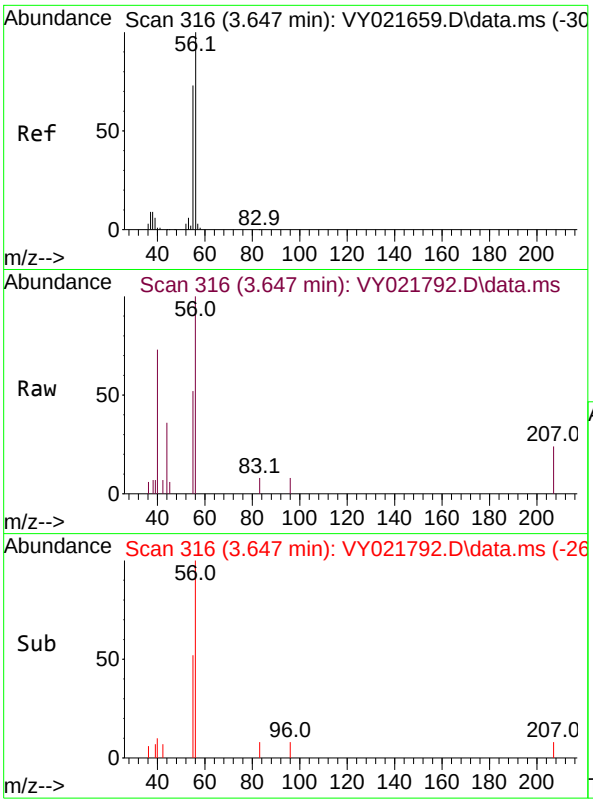


#12
1,1-Dichloroethene
Concen: 45.612 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 96 Resp: 83387

Ion	Ratio	Lower	Upper
96	100		
61	163.9	136.6	204.8
98	62.0	52.3	78.5



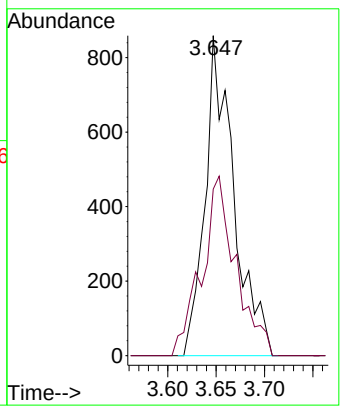


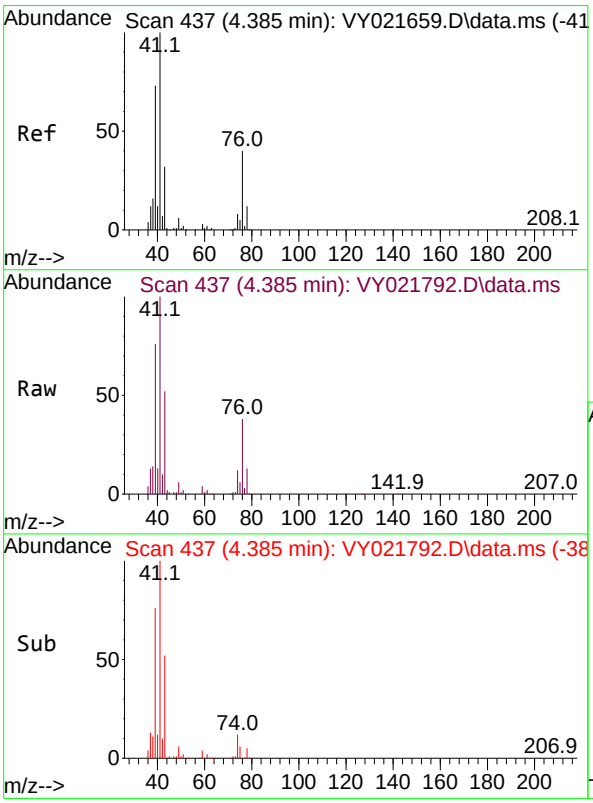
#13
Acrolein
Concen: 7.930 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 1776

Ion	Ratio	Lower	Upper
56	100		
55	66.2	56.6	85.0

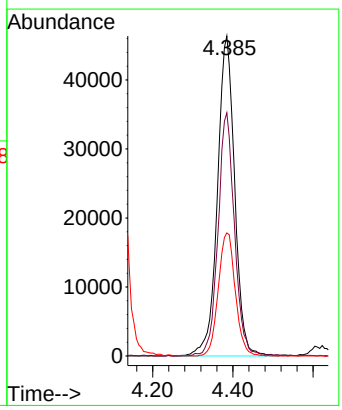


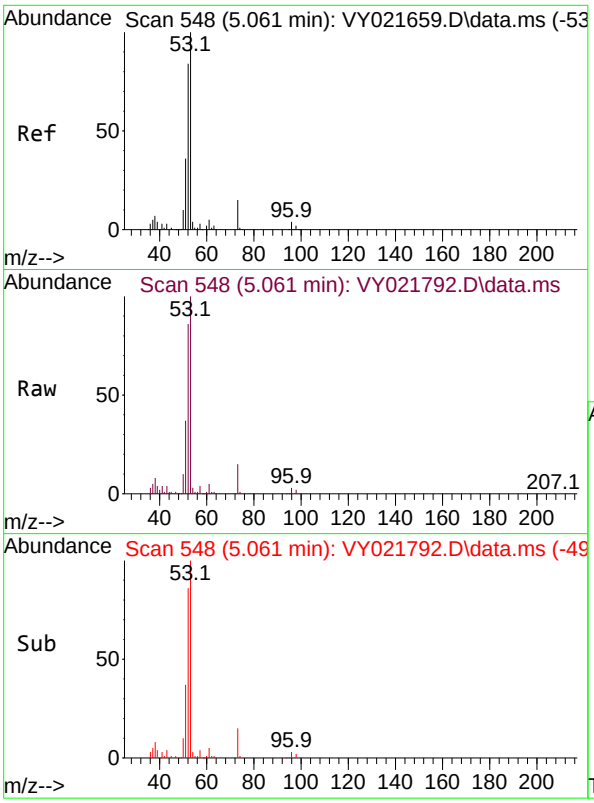


#14
Allyl chloride
Concen: 47.435 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 41 Resp: 138265

Ion	Ratio	Lower	Upper
41	100		
39	72.6	58.6	88.0
76	38.0	30.3	45.5



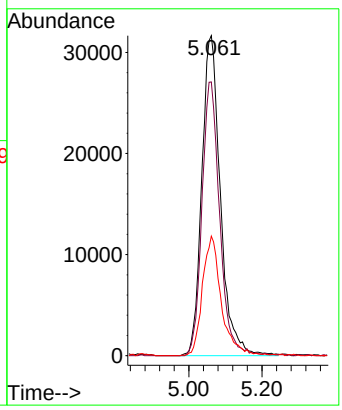


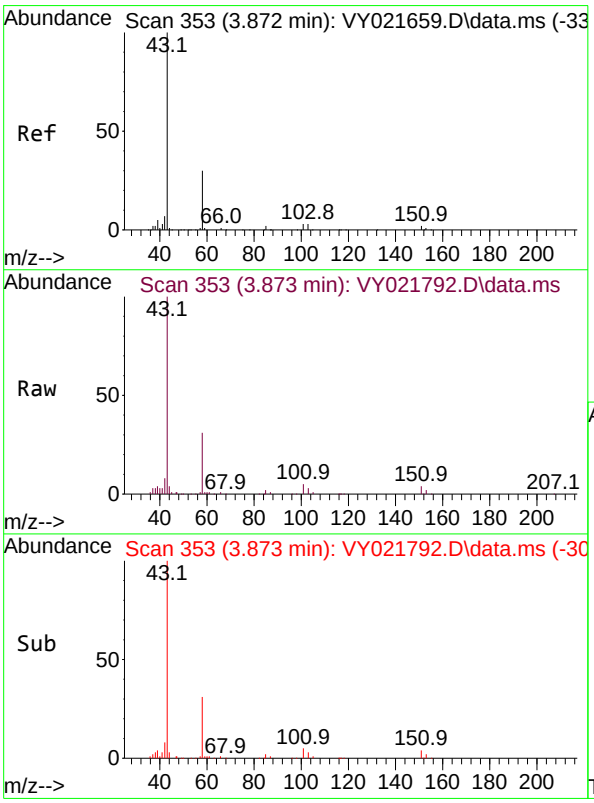
#15
Acrylonitrile
Concen: 267.842 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 111919

Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.9	97.3
51	38.0	30.2	45.2

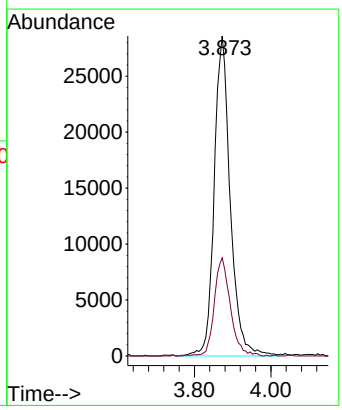


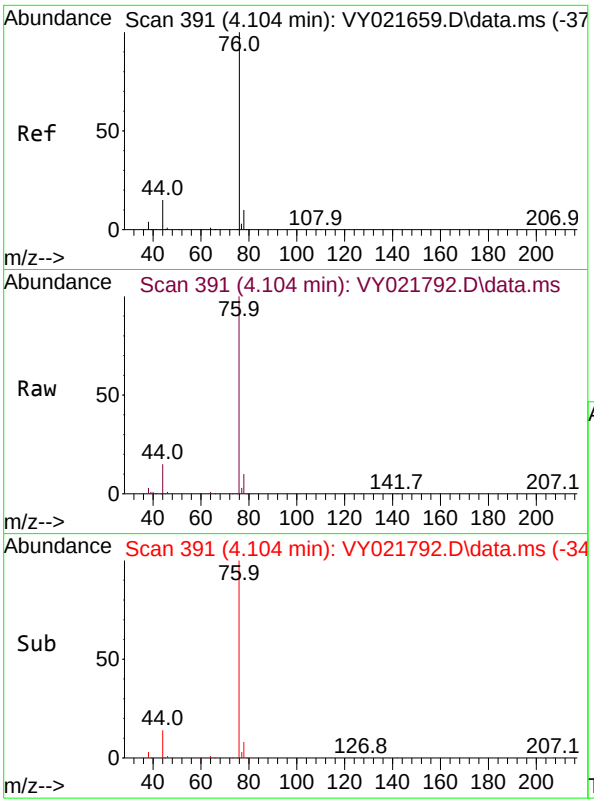


#16
Acetone
Concen: 215.455 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 83270

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.2	36.4



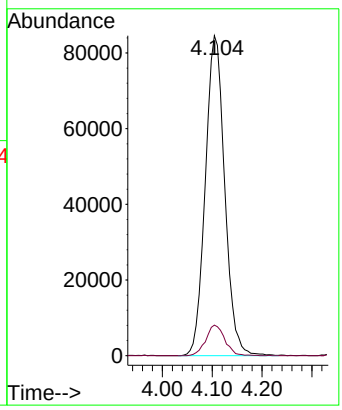


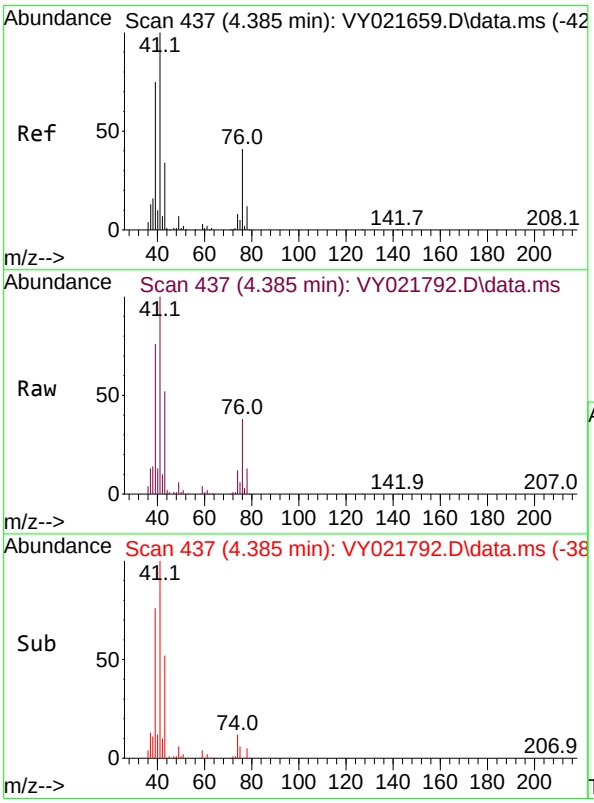
#17
Carbon Disulfide
Concen: 37.940 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 228452

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.6	11.4

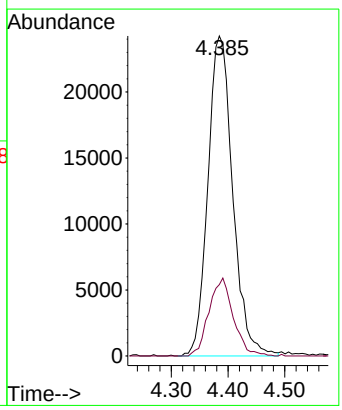


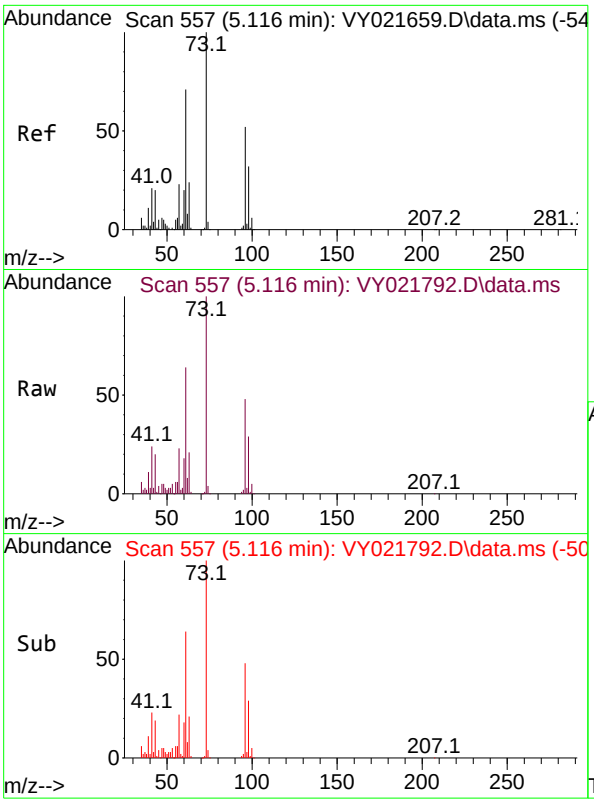


#18
Methyl Acetate
Concen: 76.853 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 73615

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7



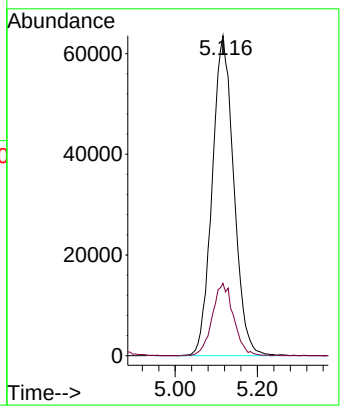


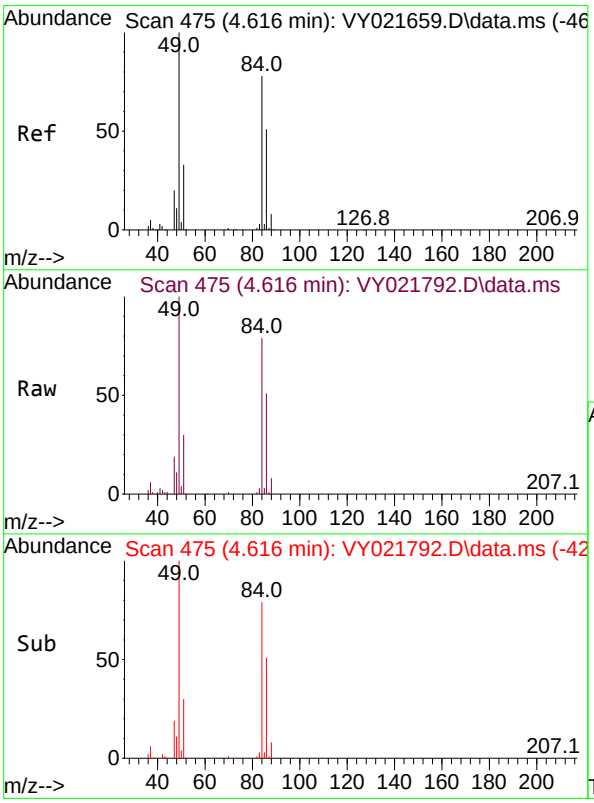
#19
Methyl tert-butyl Ether
Concen: 50.970 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 231989

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1

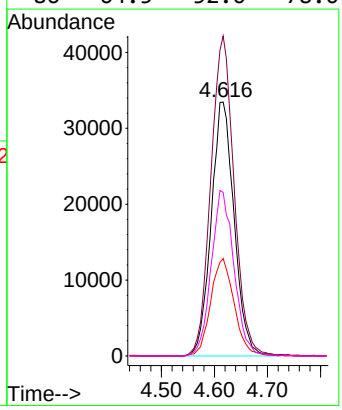


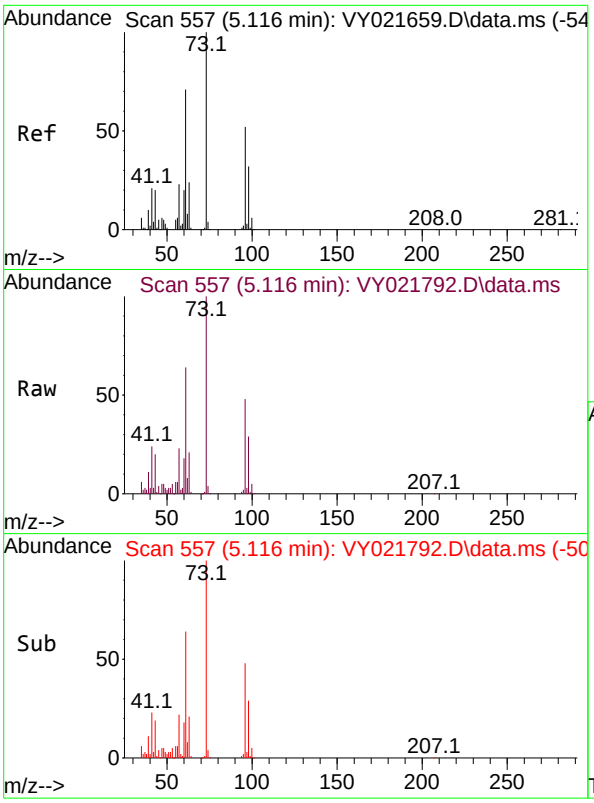


#20
Methylene Chloride
Concen: 53.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 84 Resp: 100684

Ion	Ratio	Lower	Upper
84	100		
49	126.0	102.8	154.2
51	38.4	33.5	50.3
86	64.5	52.0	78.0



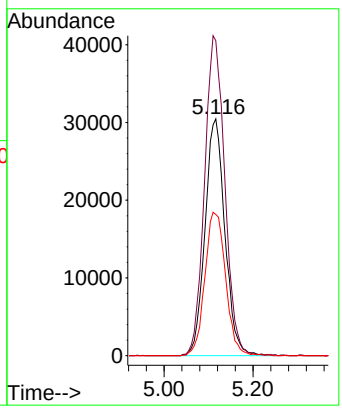


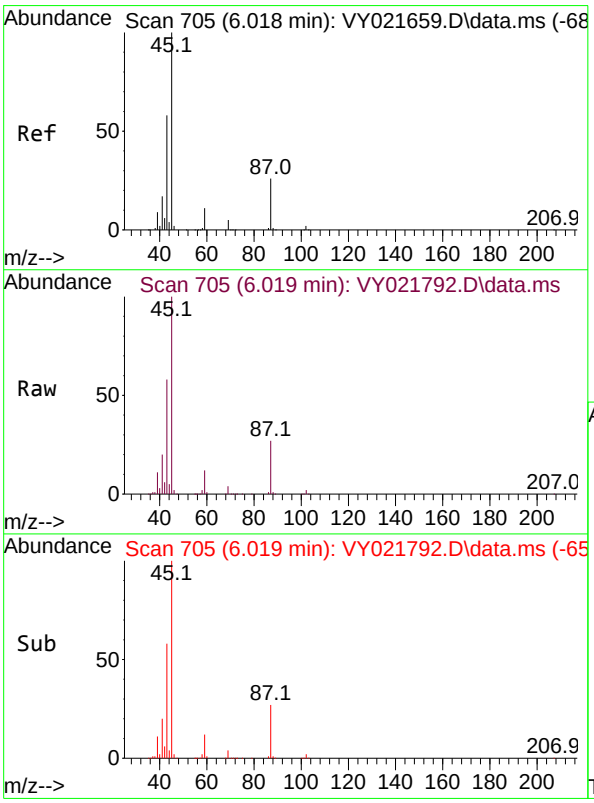
#21
trans-1,2-Dichloroethene
Concen: 47.223 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 95054

Ion	Ratio	Lower	Upper
96	100		
61	133.1	109.4	164.0
98	59.7	50.2	75.2

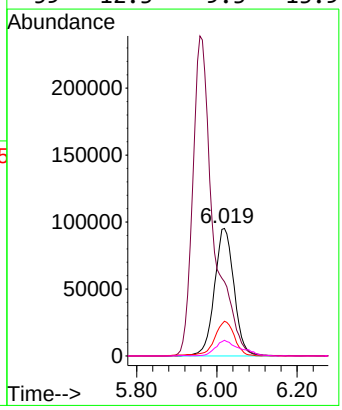


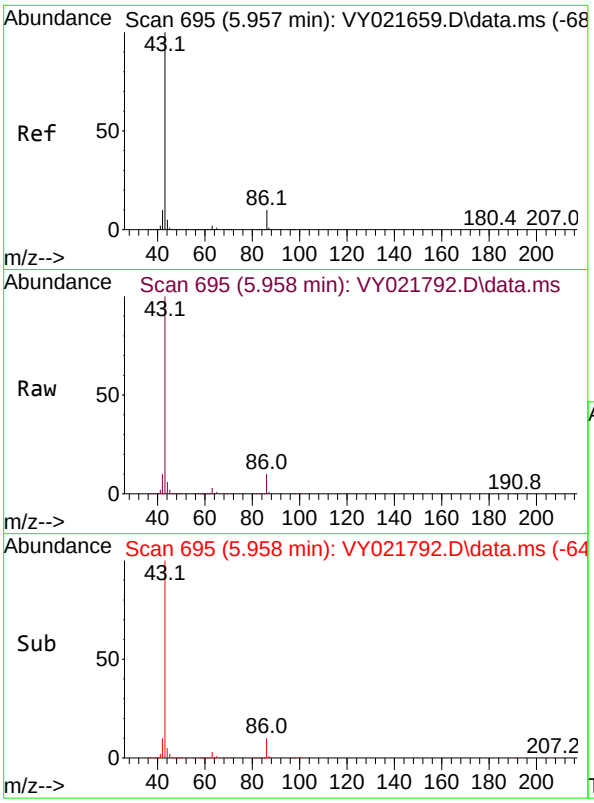


#22
Diisopropyl ether
Concen: 52.609 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 45 Resp: 321680

Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.6	69.8
87	27.3	20.7	31.1
59	12.3	9.3	13.9



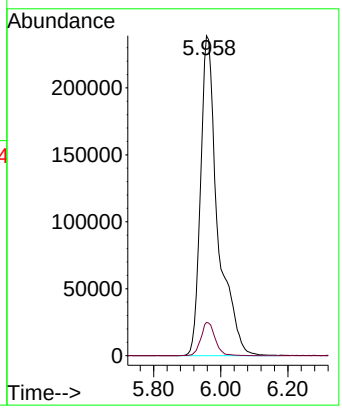


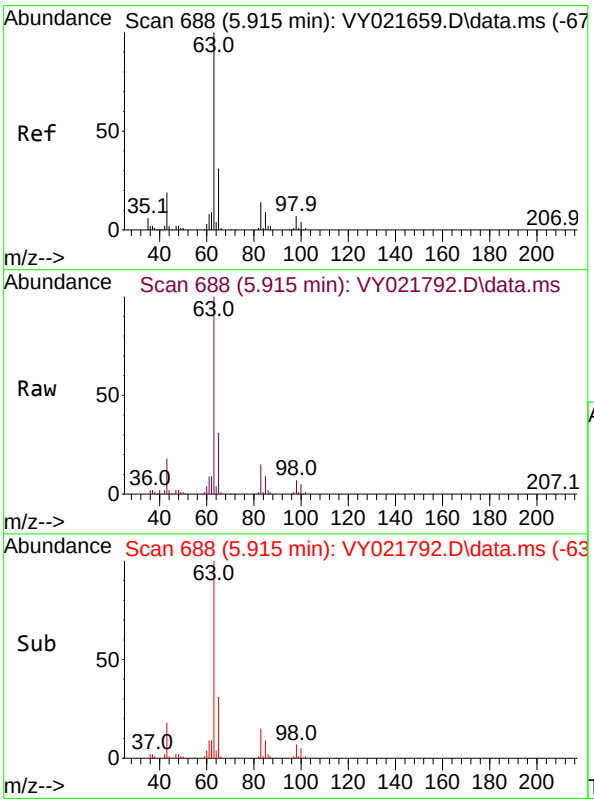
#23
Vinyl Acetate
Concen: 238.431 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 852883

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2

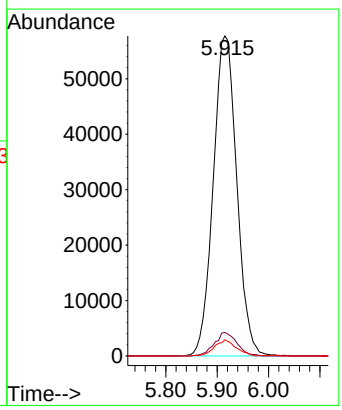


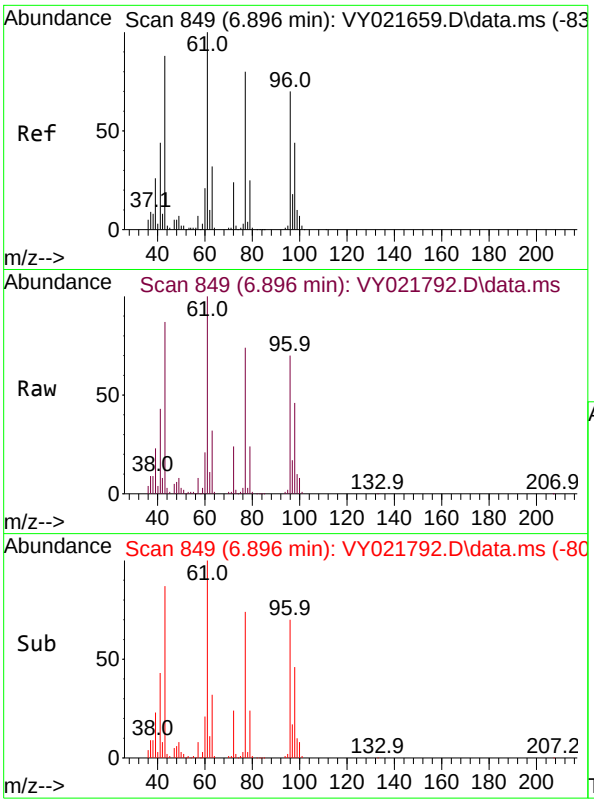


#24
1,1-Dichloroethane
Concen: 50.240 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 63 Resp: 183690

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	5.1	2.2	6.6



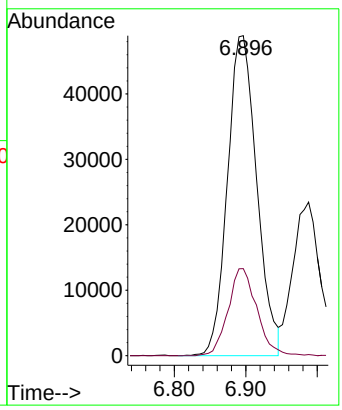


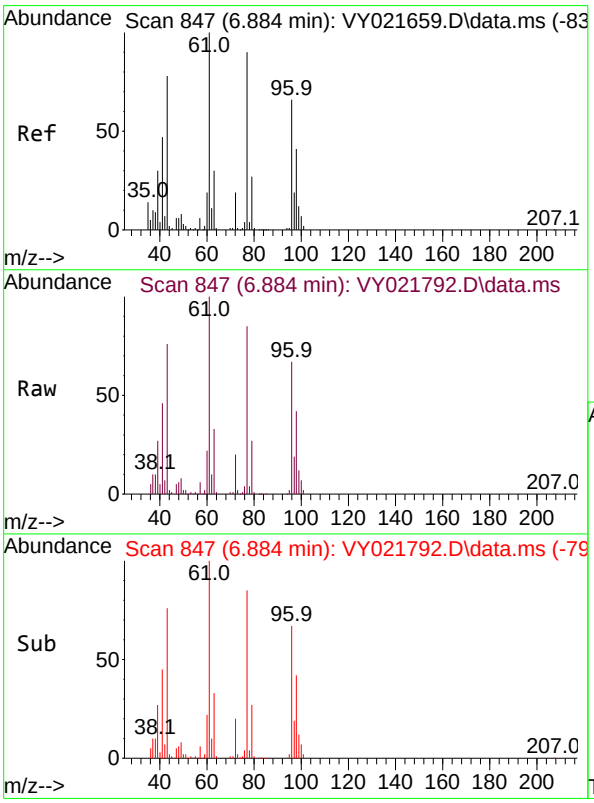
#25
2-Butanone
Concen: 252.446 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 139355

Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.4	32.2

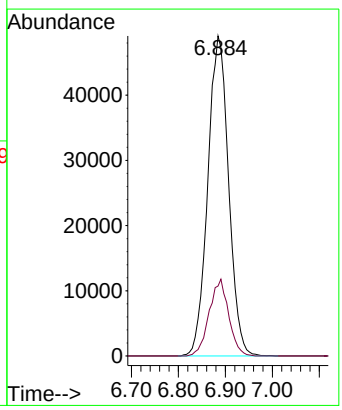


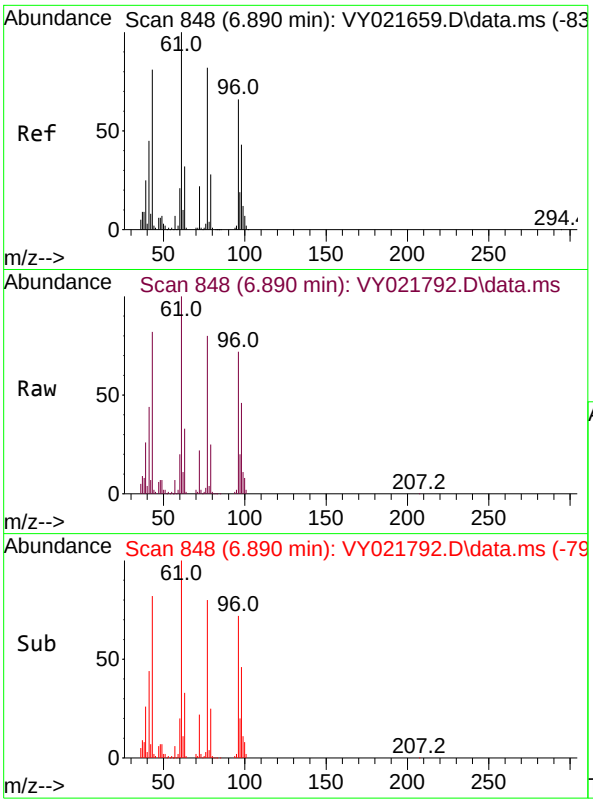


#26
2,2-Dichloropropane
Concen: 46.414 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 77 Resp: 150953

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.1	33.1



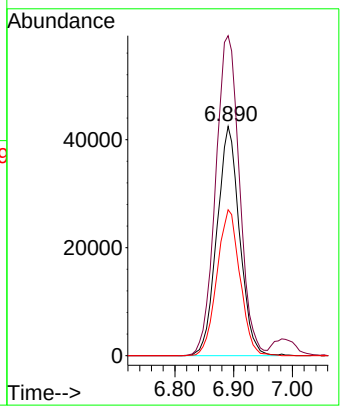


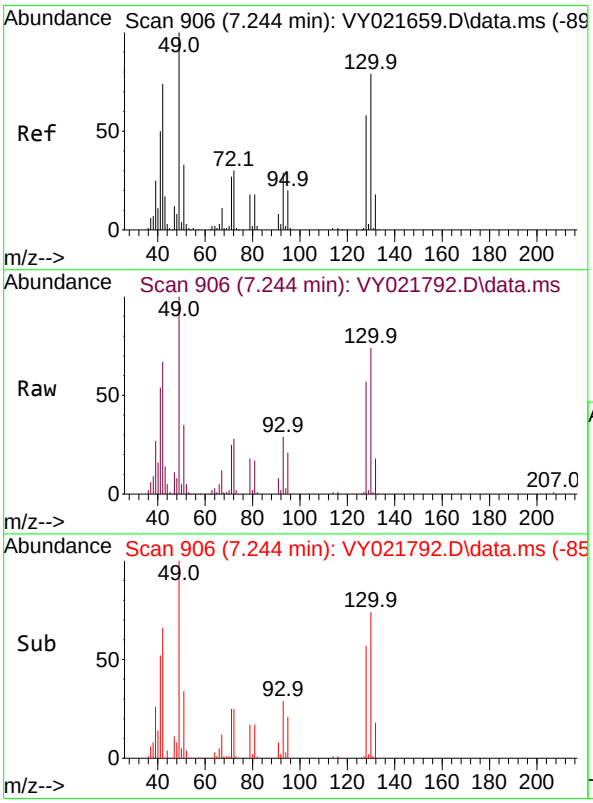
#27
cis-1,2-Dichloroethene
Concen: 50.266 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 113782

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	296.4
98	64.8	0.0	128.0

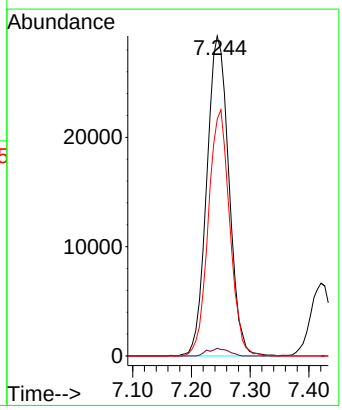


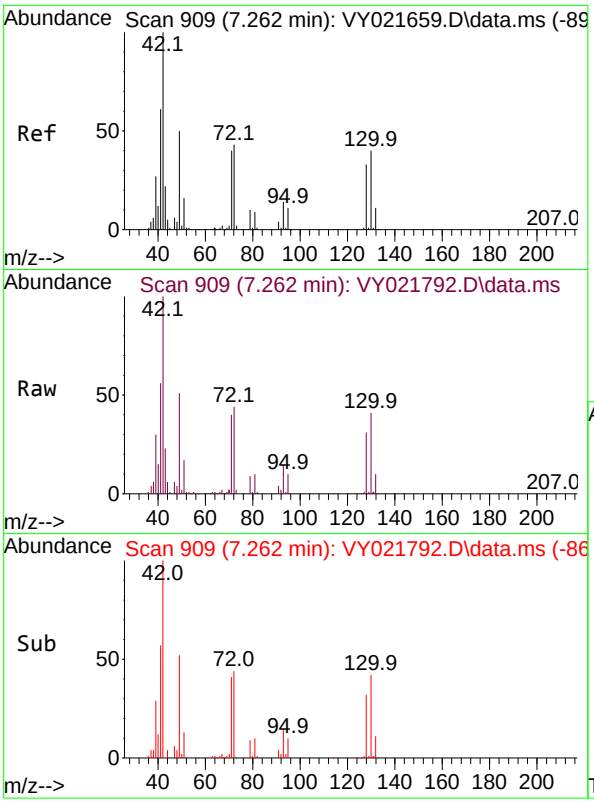


#28
Bromochloromethane
Concen: 49.629 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 49 Resp: 76527

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	74.4	60.1	90.1



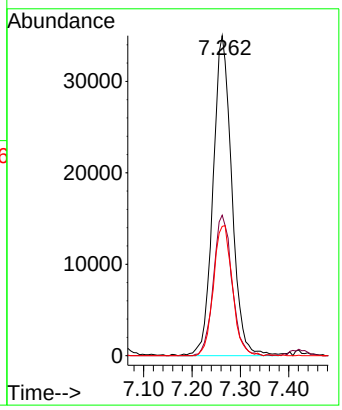


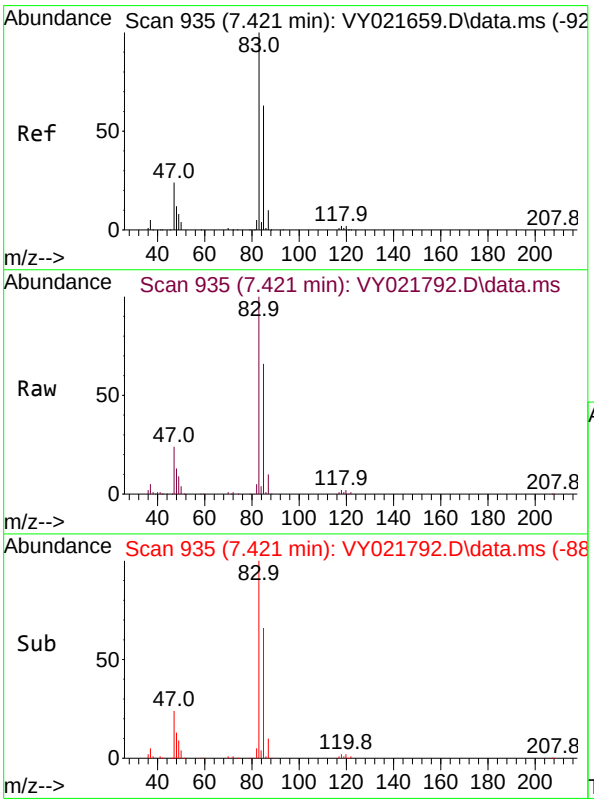
#29
Tetrahydrofuran
Concen: 265.308 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 94257

Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	40.9	32.5	48.7

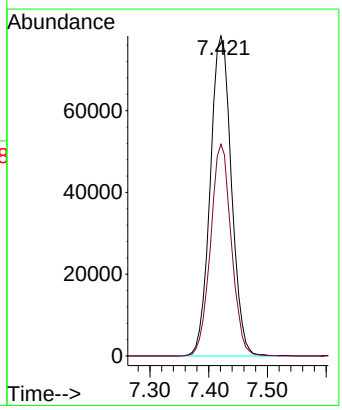


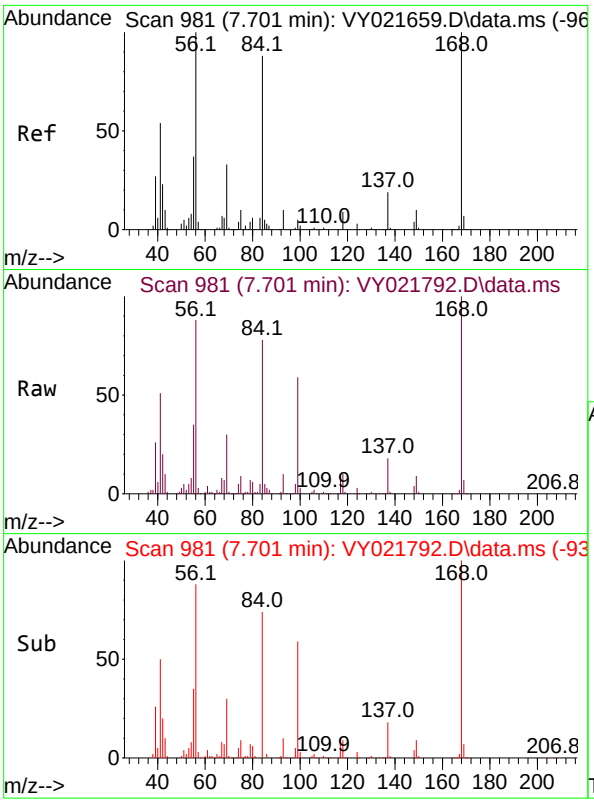


#30
Chloroform
Concen: 51.519 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 83 Resp: 195921

Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.6	75.8



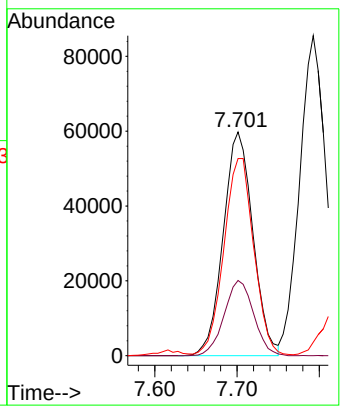


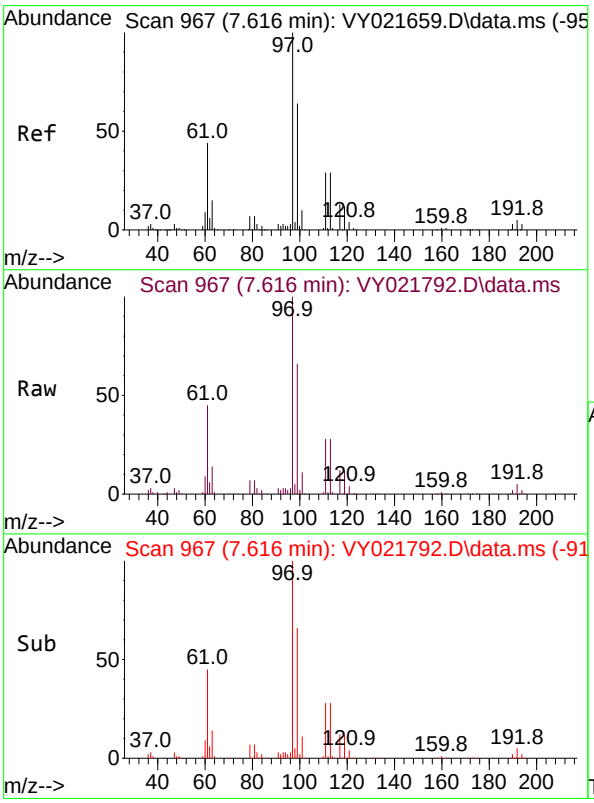
#31
Cyclohexane
Concen: 45.062 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 150188

Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.6	40.0
84	86.4	69.0	103.4

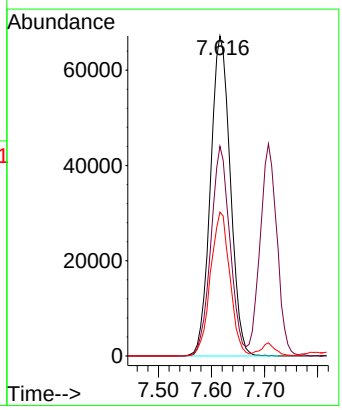


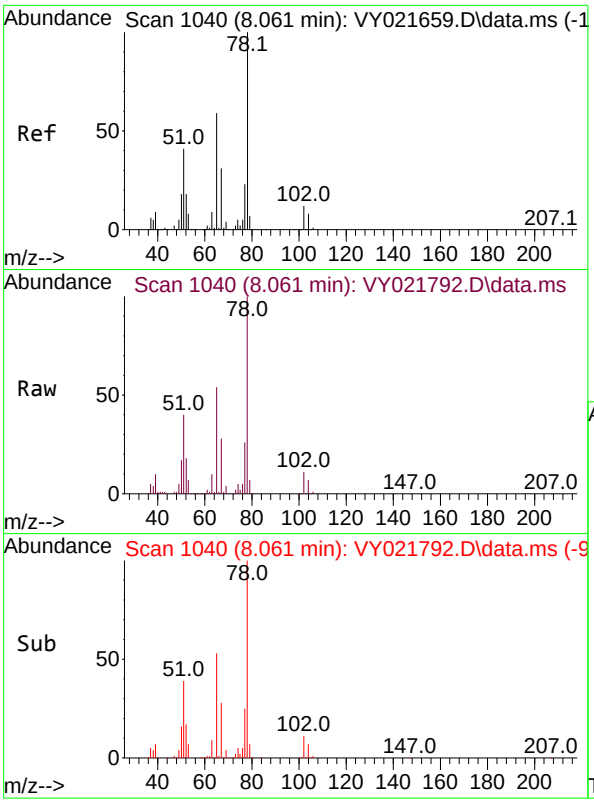


#32
1,1,1-Trichloroethane
Concen: 50.714 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 97 Resp: 174309

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.7	76.1
61	44.1	35.2	52.8



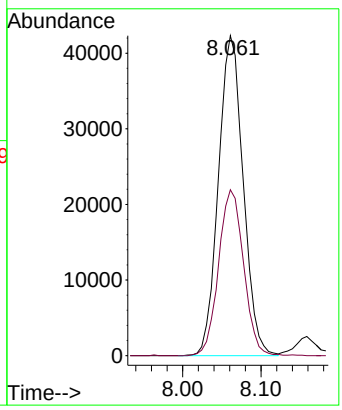


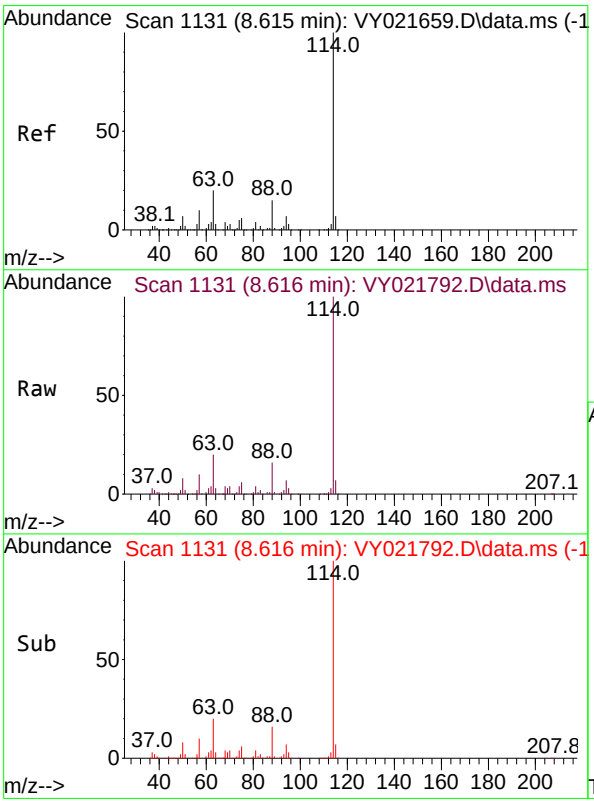
#33
1,2-Dichloroethane-d4
Concen: 49.291 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 93081

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

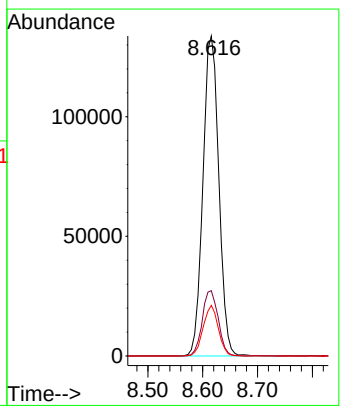


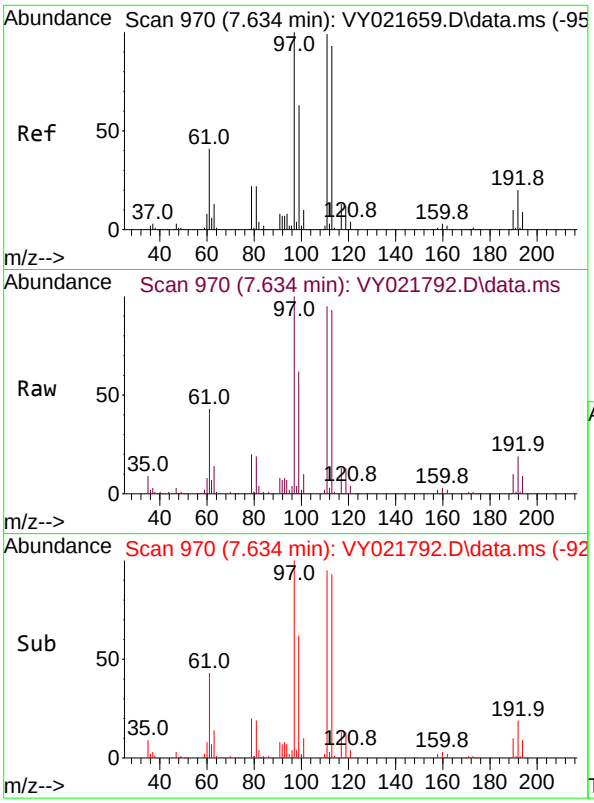


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:114 Resp: 268405

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	15.8	0.0	29.8



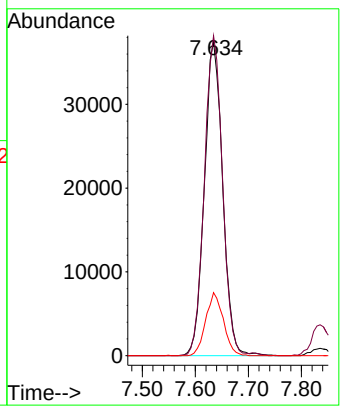


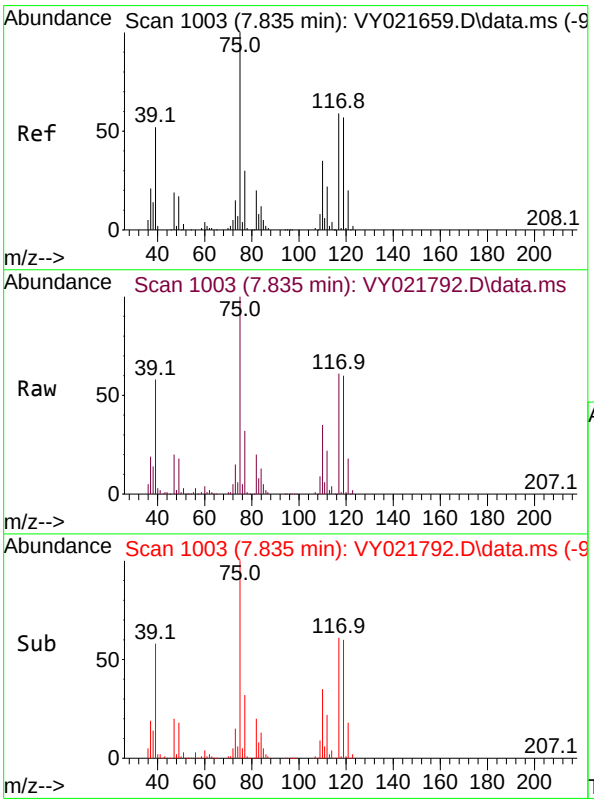
#35
Dibromofluoromethane
Concen: 51.567 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 89783

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.6	123.8
192	19.4	16.2	24.4

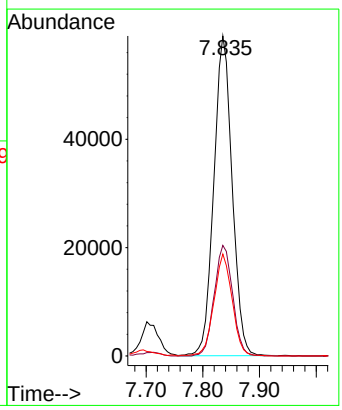


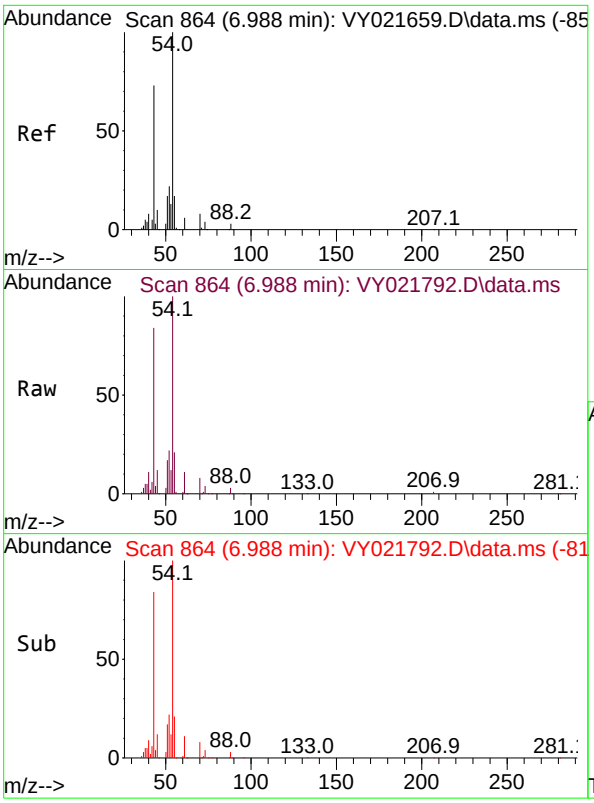


#36
1,1-Dichloropropene
Concen: 50.035 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 132692

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.0	50.9
77	31.6	24.8	37.2



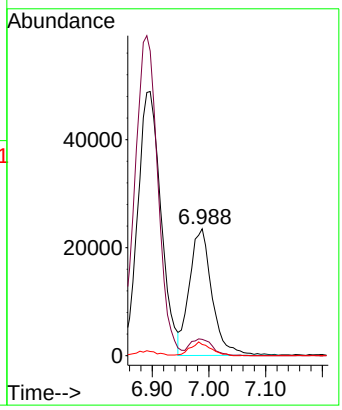


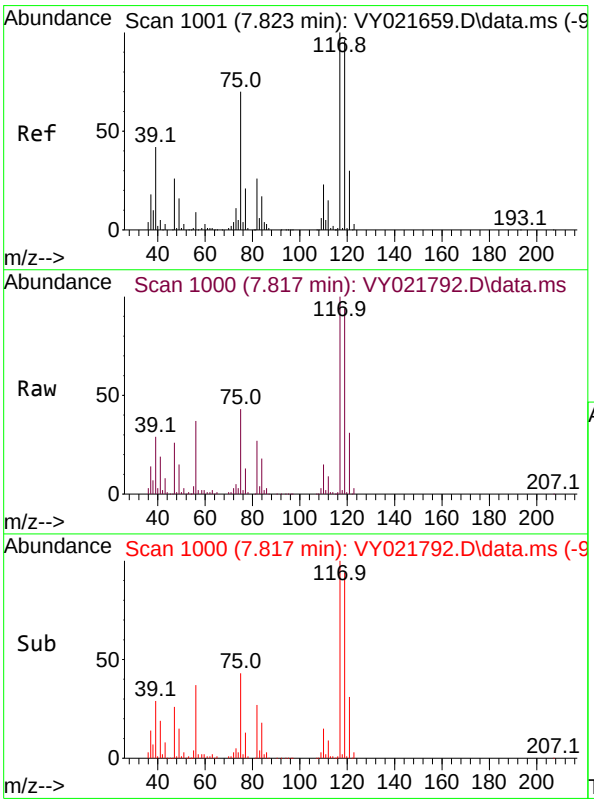
#37
Ethyl Acetate
Concen: 51.733 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 64748

Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.6
70	9.8	8.1	12.1

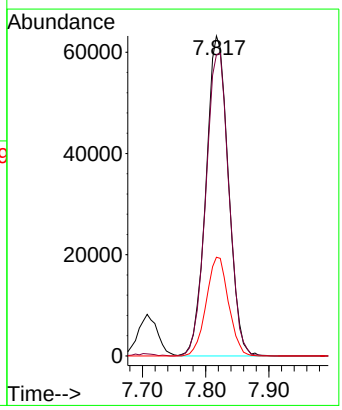


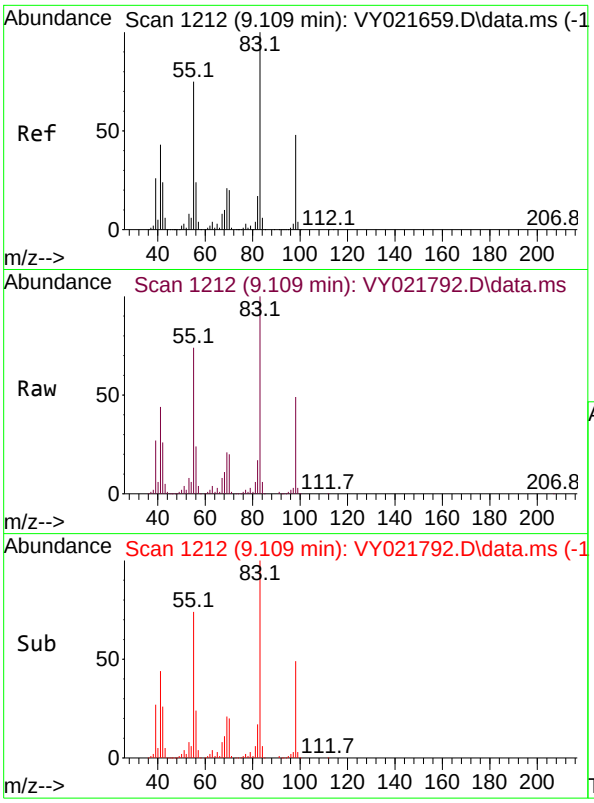


#38
Carbon Tetrachloride
Concen: 51.249 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:117 Resp: 155663

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.4
121	30.8	24.2	36.4



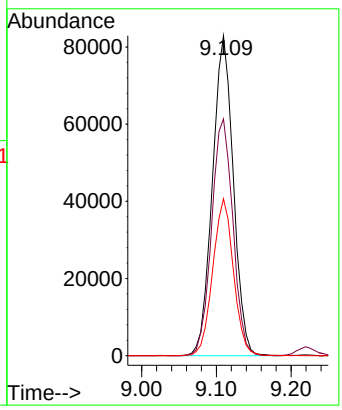


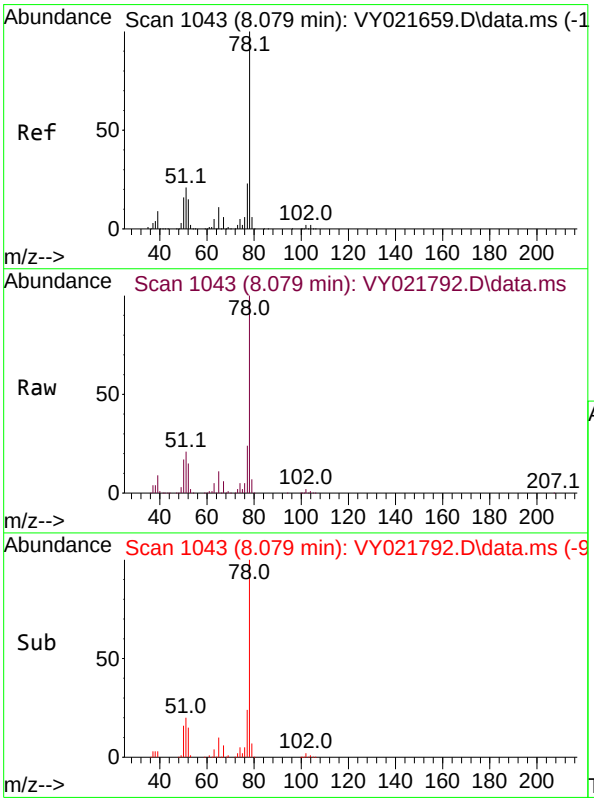
#39
Methylcyclohexane
Concen: 50.922 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 161325

Ion	Ratio	Lower	Upper
83	100		
55	74.0	59.7	89.5
98	49.1	38.3	57.5

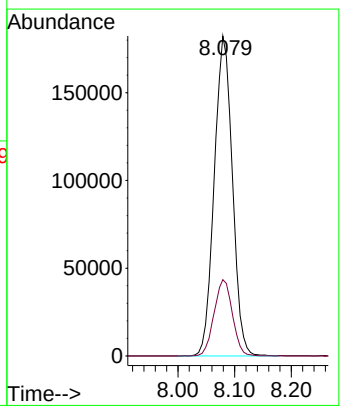


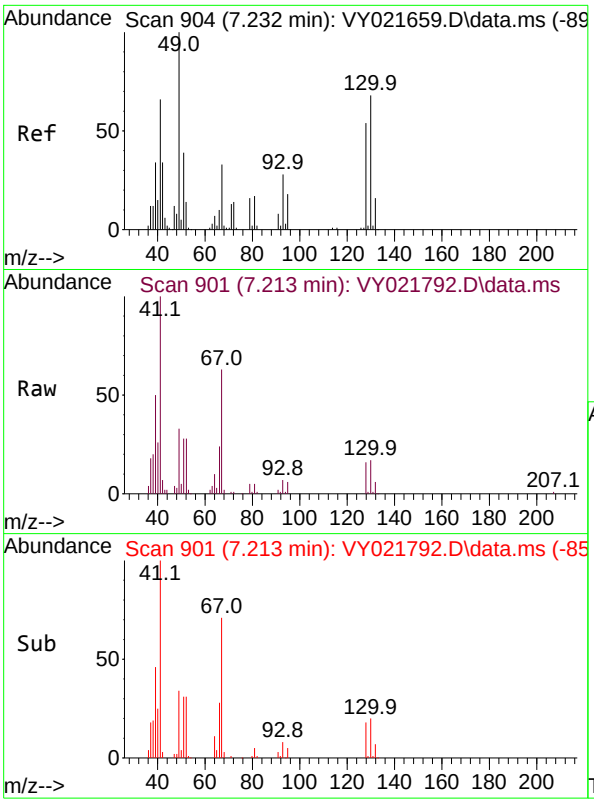


#40
Benzene
Concen: 51.051 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 78 Resp: 405446

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



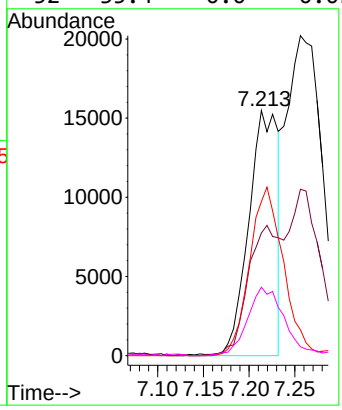


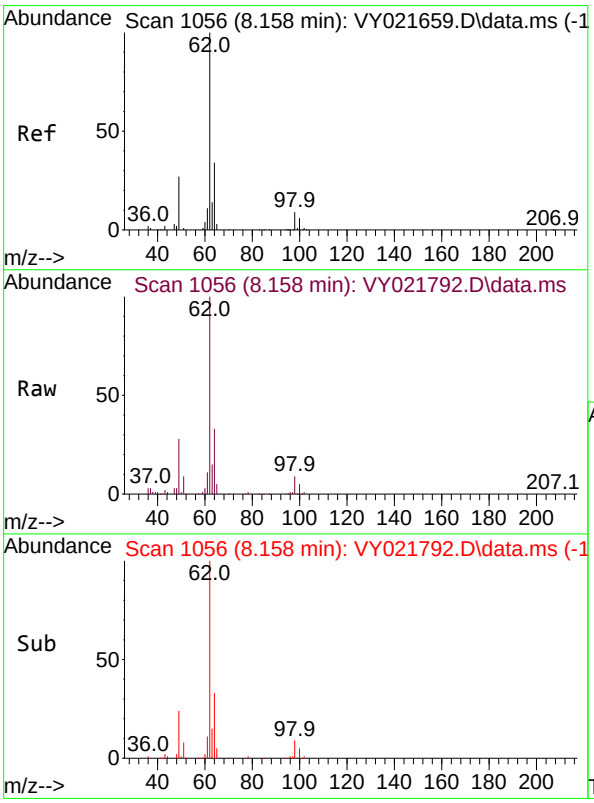
#41
Methacrylonitrile
Concen: 52.095 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 34626

Ion	Ratio	Lower	Upper
41	100		
39	61.9	0.0	0.0#
67	79.8	0.0	0.0#
52	35.4	0.0	0.0#

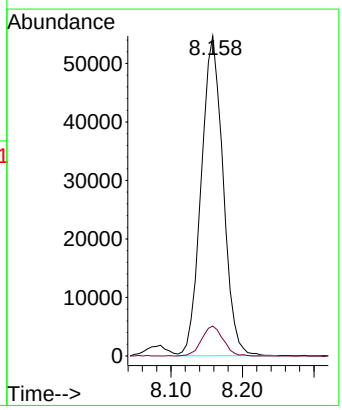


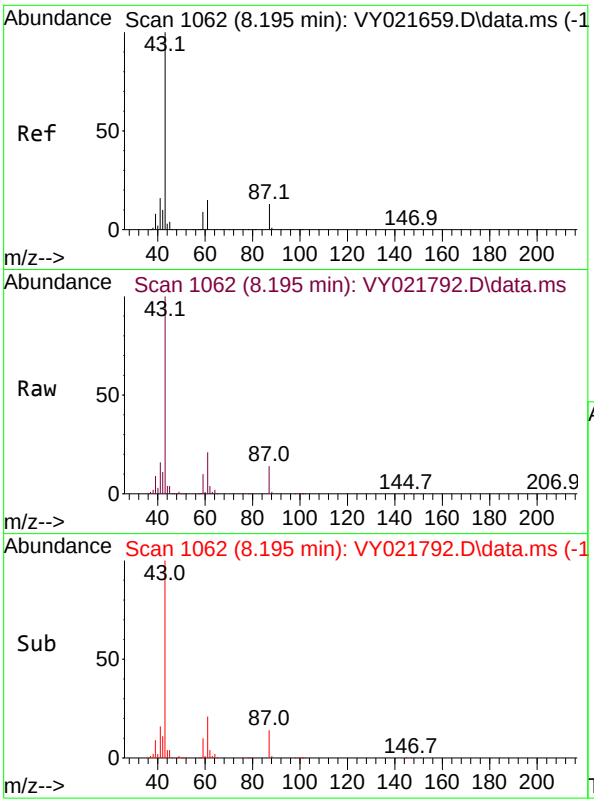


#42
1,2-Dichloroethane
Concen: 51.801 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 62 Resp: 115981

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



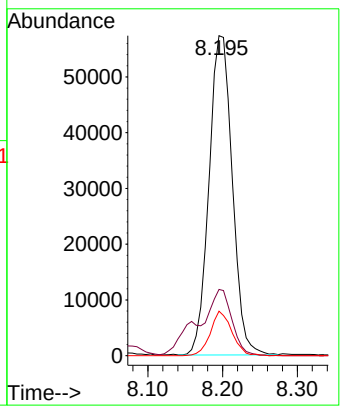


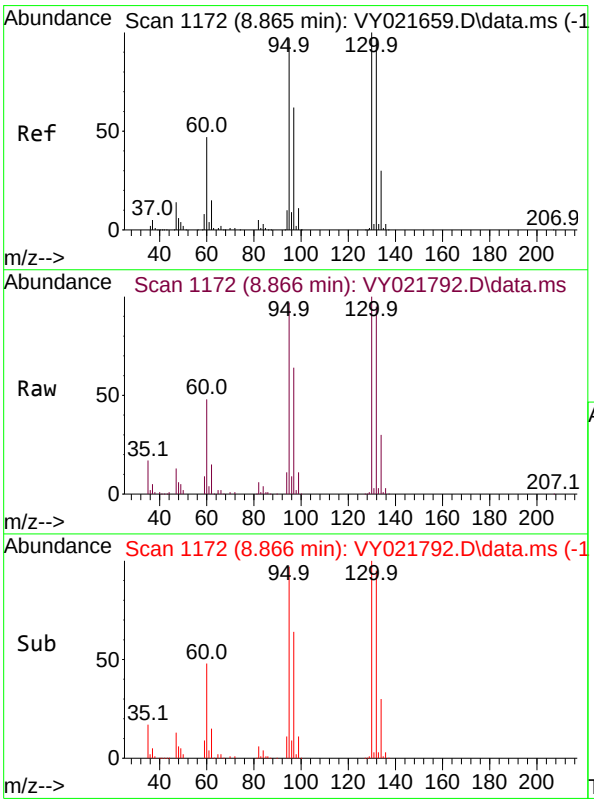
#43
Isopropyl Acetate
Concen: 52.369 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 124209

Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.9	23.9
87	12.9	10.4	15.6

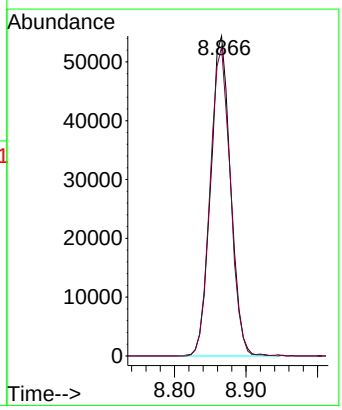


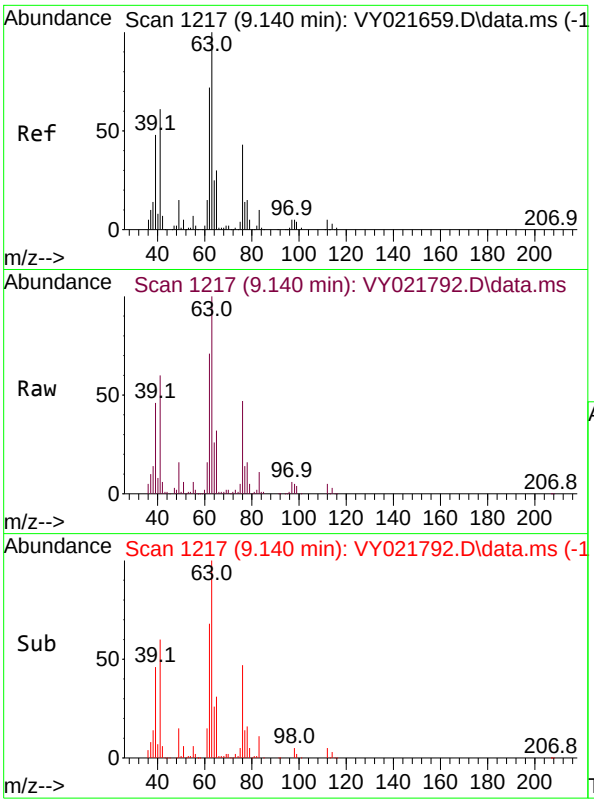


#44
Trichloroethene
Concen: 51.907 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:130 Resp: 105036

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	194.8



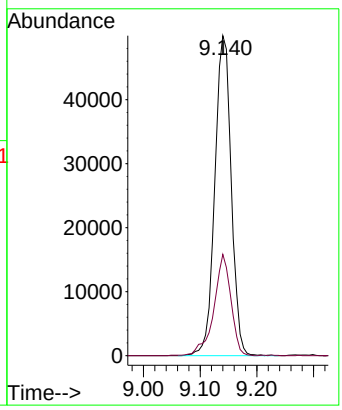


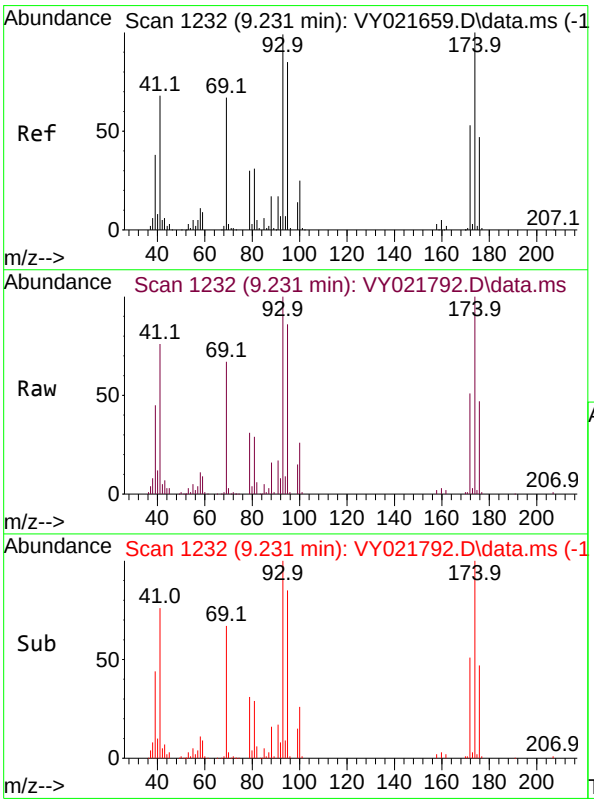
#45
1,2-Dichloropropane
Concen: 53.457 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 100494

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6

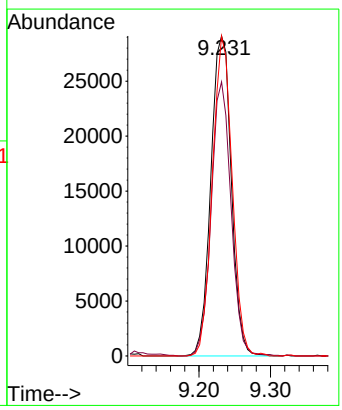


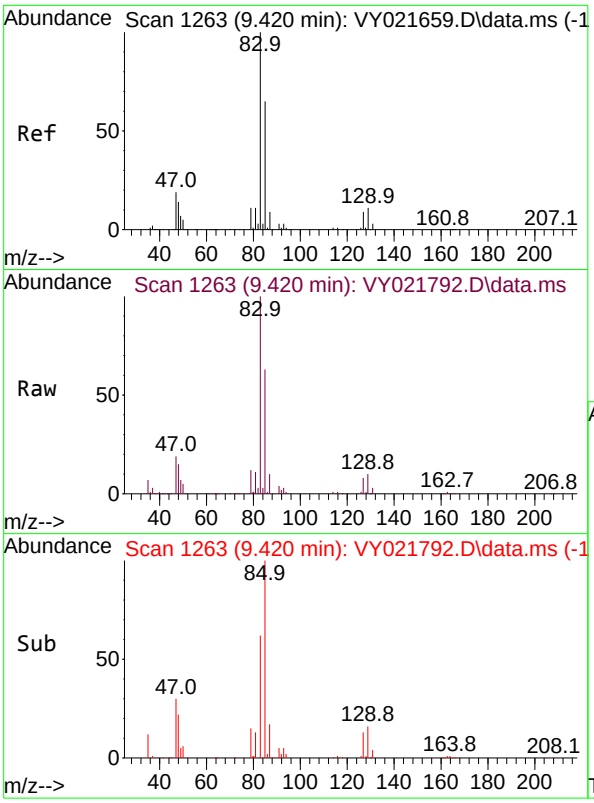


#46
Dibromomethane
Concen: 53.422 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 93 Resp: 57879

Ion	Ratio	Lower	Upper
93	100		
95	82.8	68.1	102.1
174	96.4	80.9	121.3



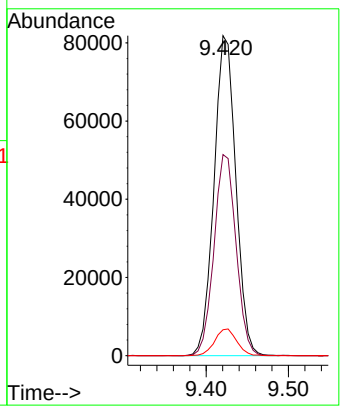


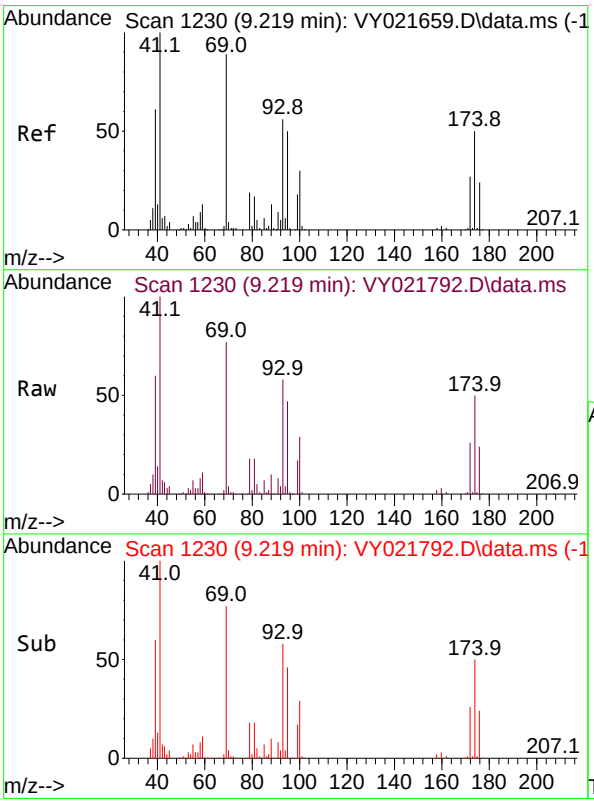
#47
Bromodichloromethane
Concen: 53.857 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 151198

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.1	6.8	10.2

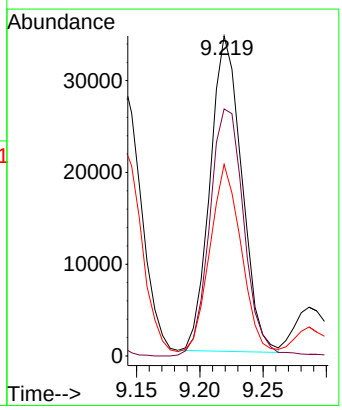


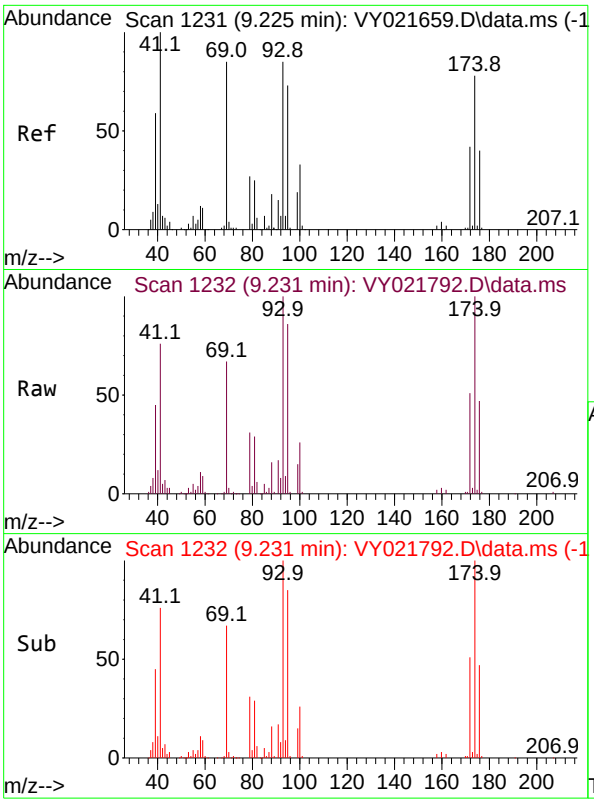


#48
Methyl methacrylate
Concen: 54.919 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 41 Resp: 59783

Ion	Ratio	Lower	Upper
41	100		
69	85.1	69.8	104.8
39	58.8	47.2	70.8



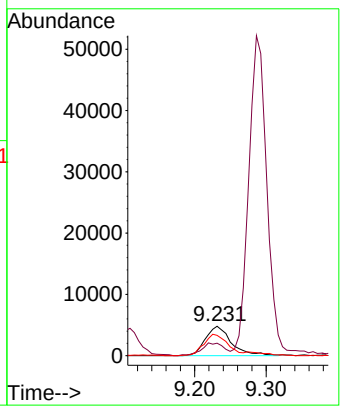


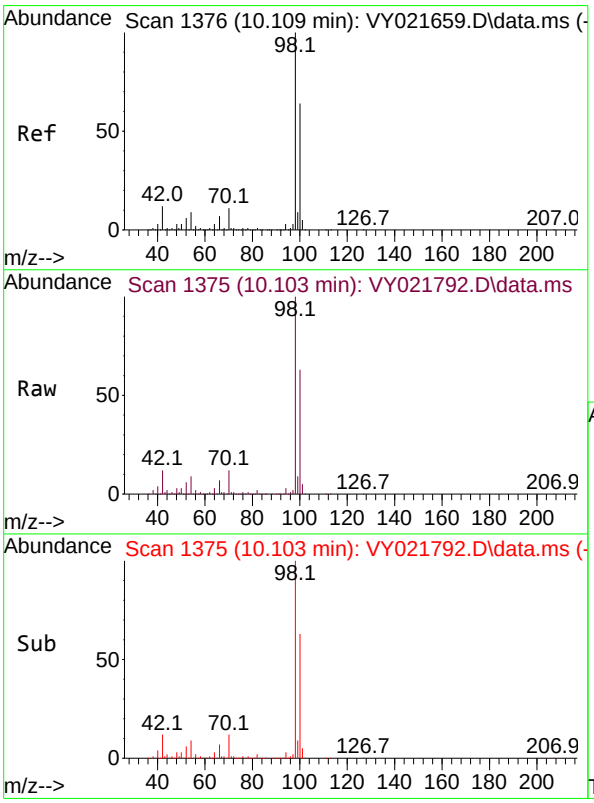
#49
1,4-Dioxane
Concen: 1042.700 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 12102

Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.8	43.2
58	67.0	59.4	89.2

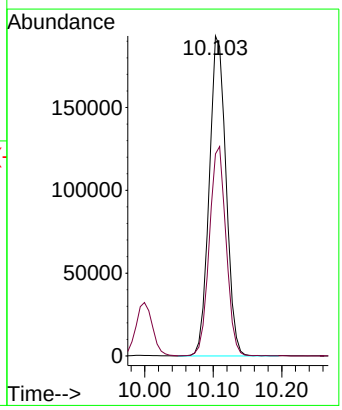


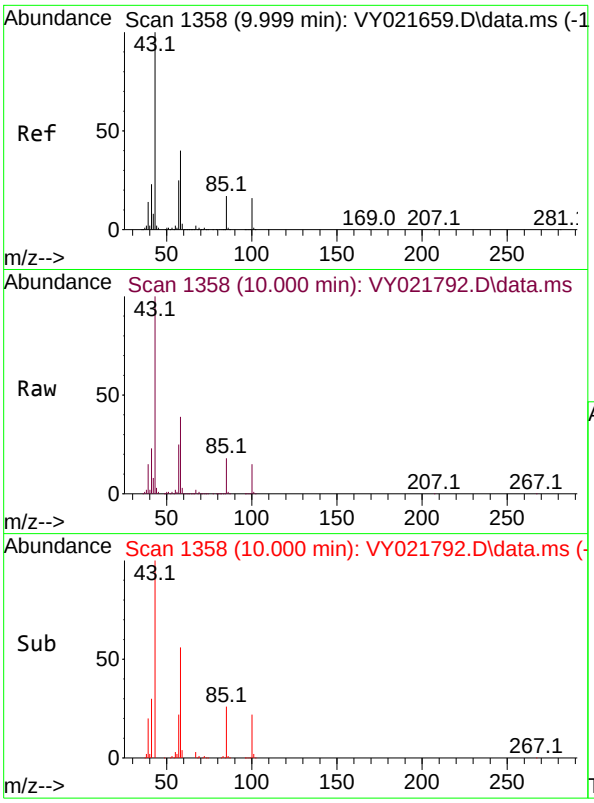


#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 98 Resp: 328405

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



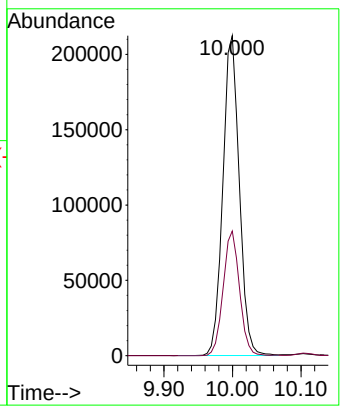


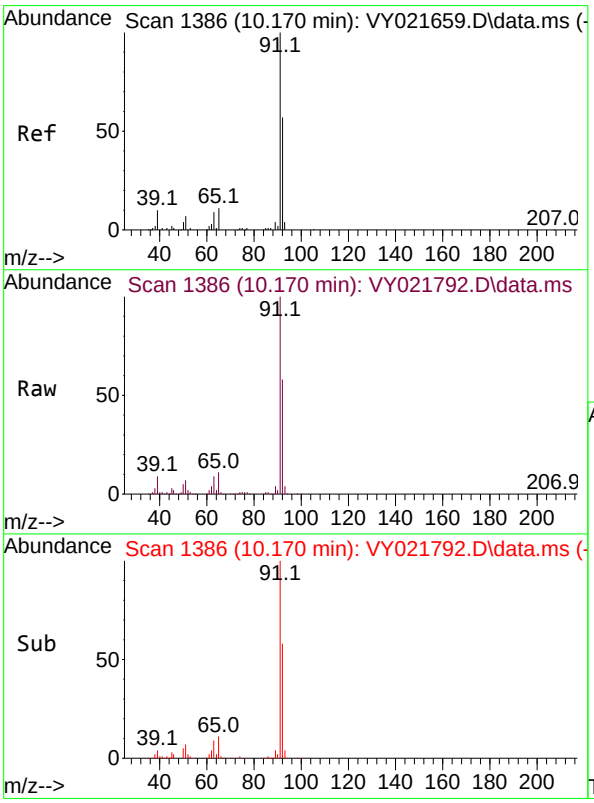
#51
4-Methyl-2-Pentanone
Concen: 285.663 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 352592

Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.5	47.3

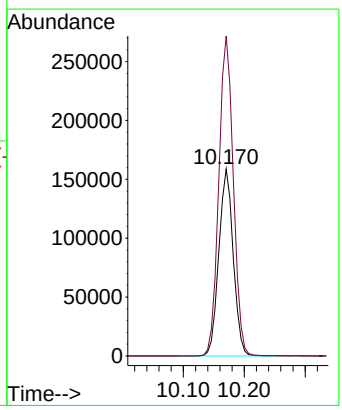


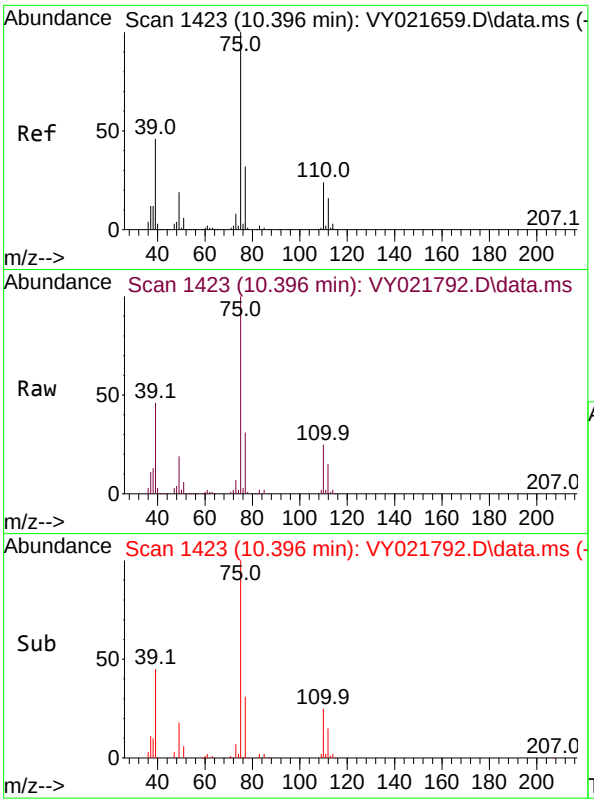


#52
Toluene
Concen: 52.527 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 92 Resp: 260277

Ion	Ratio	Lower	Upper
92	100		
91	173.0	138.6	207.8



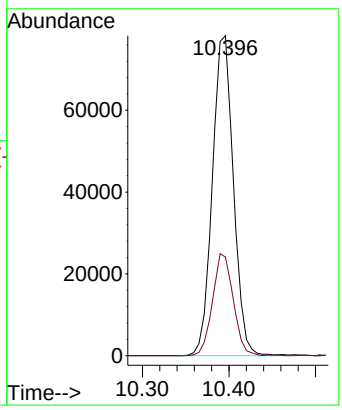


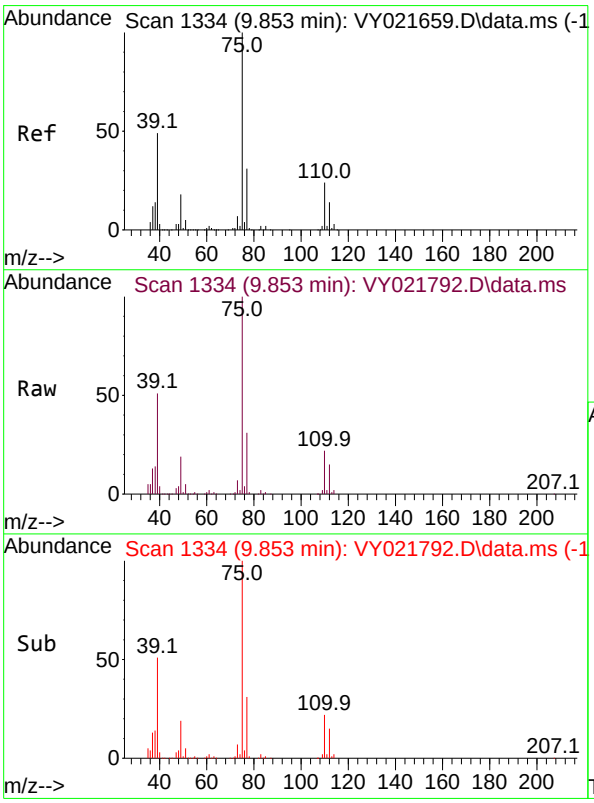
#53
t-1,3-Dichloropropene
Concen: 52.910 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 131936

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9

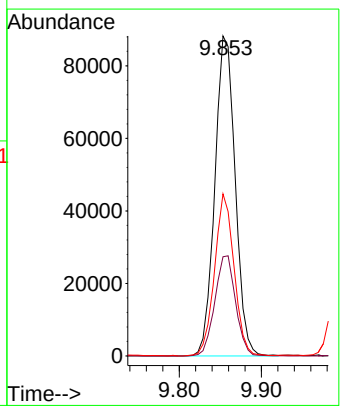


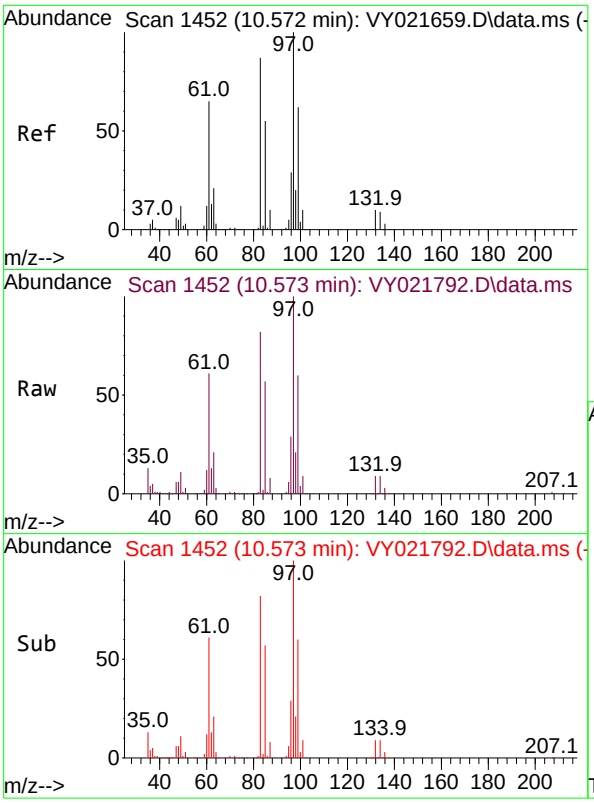


#54
cis-1,3-Dichloropropene
Concen: 51.714 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 152131

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3
39	50.7	39.2	58.8



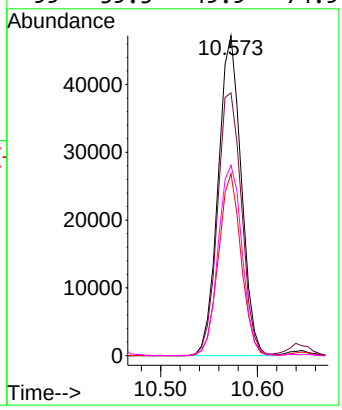


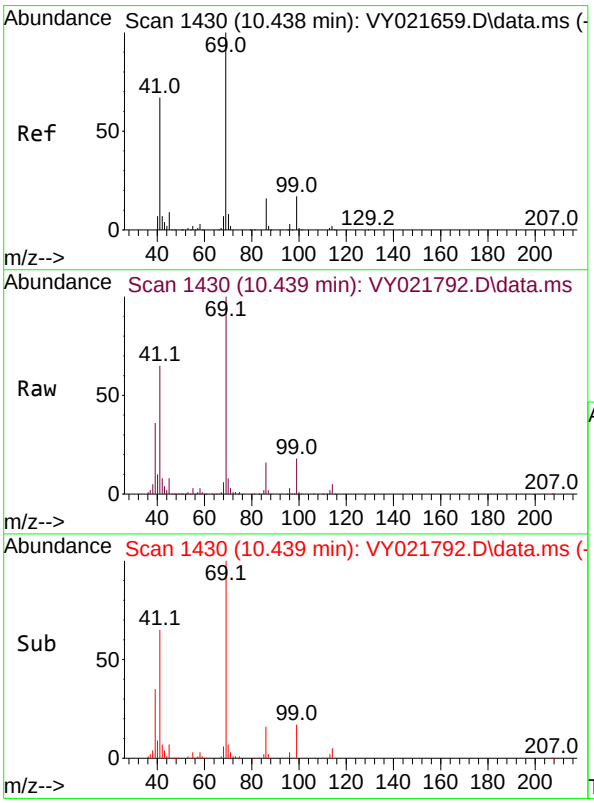
#55
1,1,2-Trichloroethane
Concen: 56.175 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 78322

Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.5	104.3
85	56.9	43.9	65.9
99	59.5	49.9	74.9

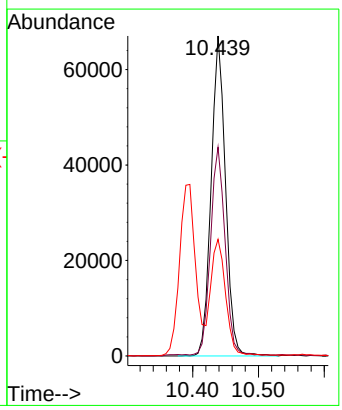


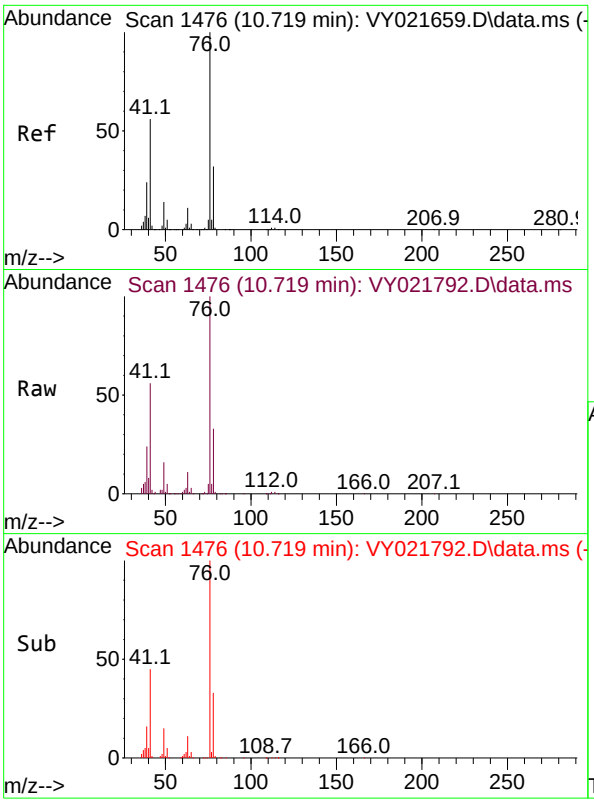


#56
Ethyl methacrylate
Concen: 57.212 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 69 Resp: 101856

Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.8	80.6
39	36.4	29.6	44.4



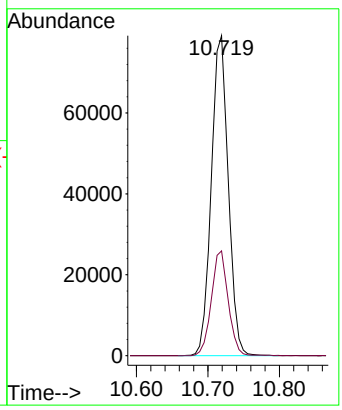


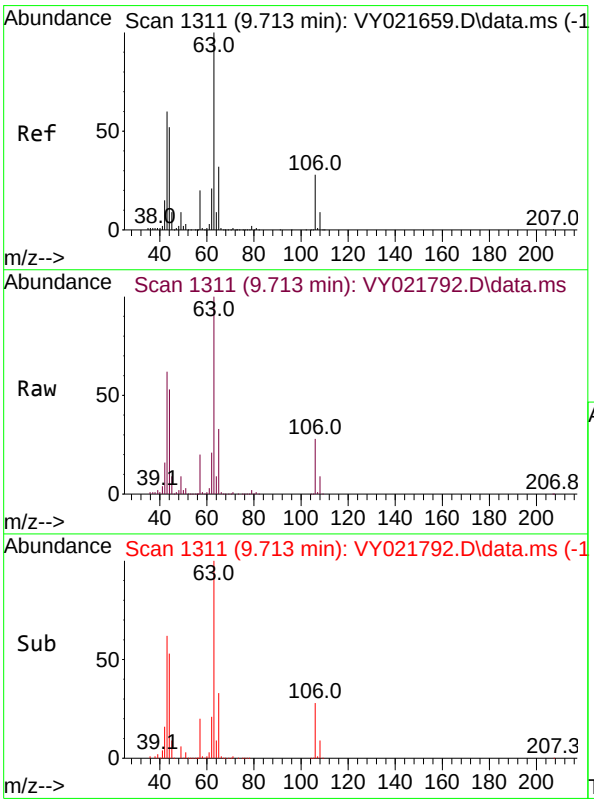
#57
1,3-Dichloropropane
Concen: 54.092 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 130252

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

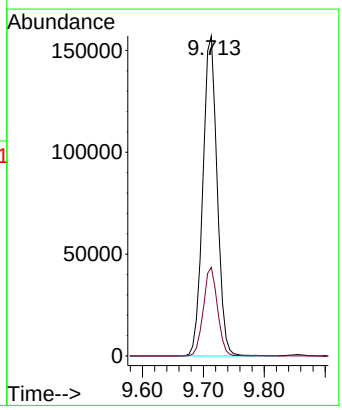


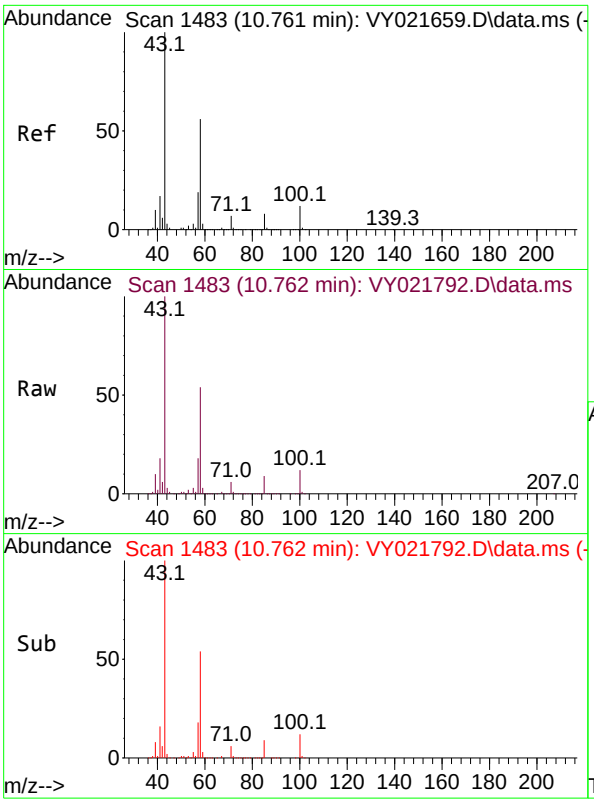


#58
2-Chloroethyl Vinyl ether
Concen: 294.907 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 63 Resp: 256125

Ion	Ratio	Lower	Upper
63	100		
106	27.3	22.4	33.6



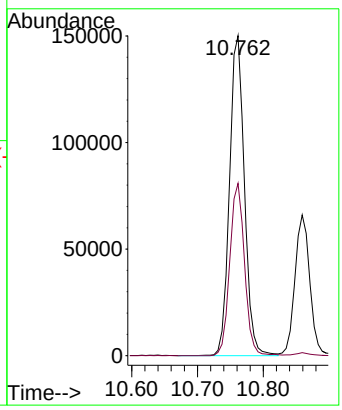


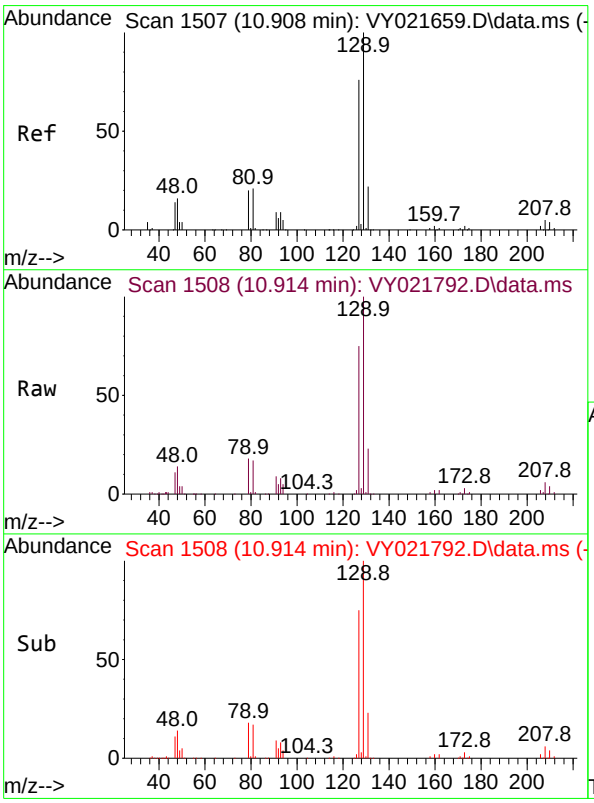
#59
2-Hexanone
Concen: 288.335 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 237017

Ion	Ratio	Lower	Upper
43	100		
58	53.2	27.2	81.5

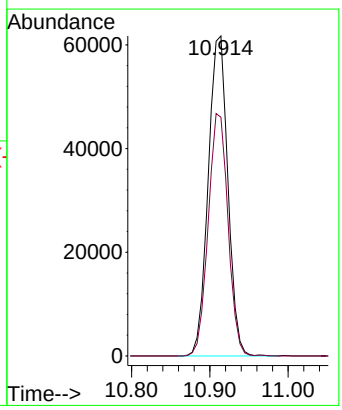


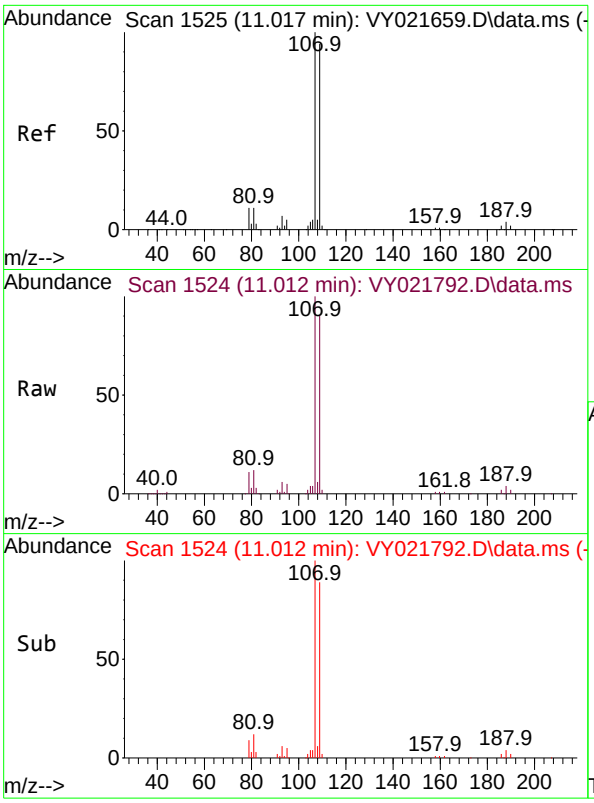


#60
Dibromochloromethane
Concen: 56.412 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:129 Resp: 107386

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7



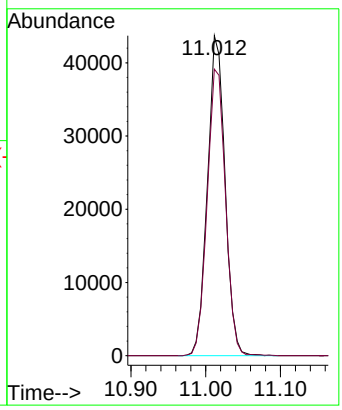


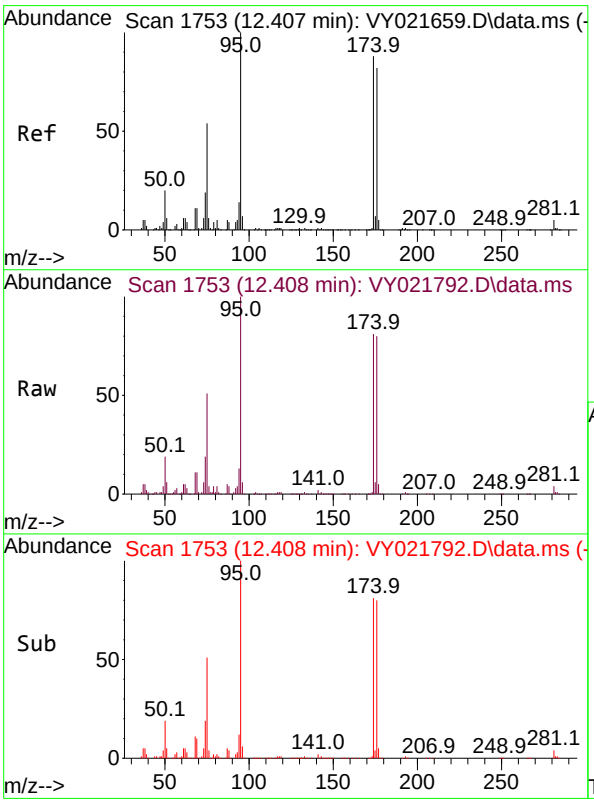
#61
1,2-Dibromoethane
Concen: 54.475 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 71249

Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.4	111.6

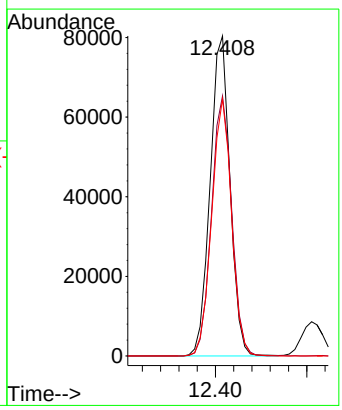


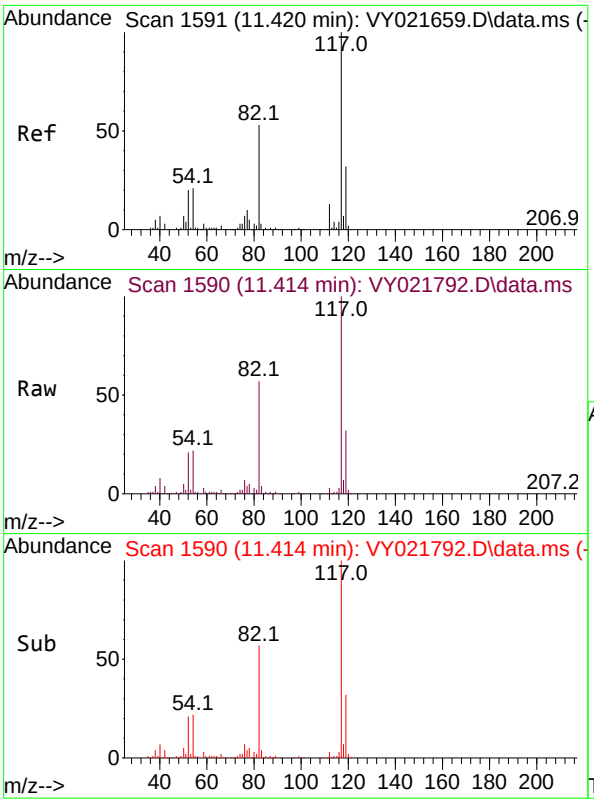


#62
4-Bromofluorobenzene
Concen: 54.025 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 95 Resp: 121039

Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	170.8
176	80.3	0.0	162.0



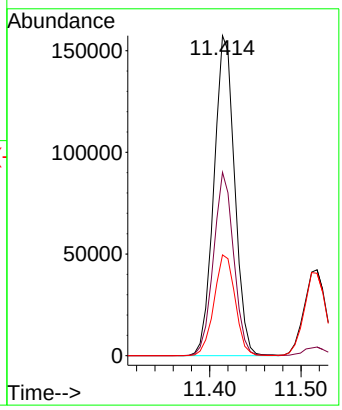


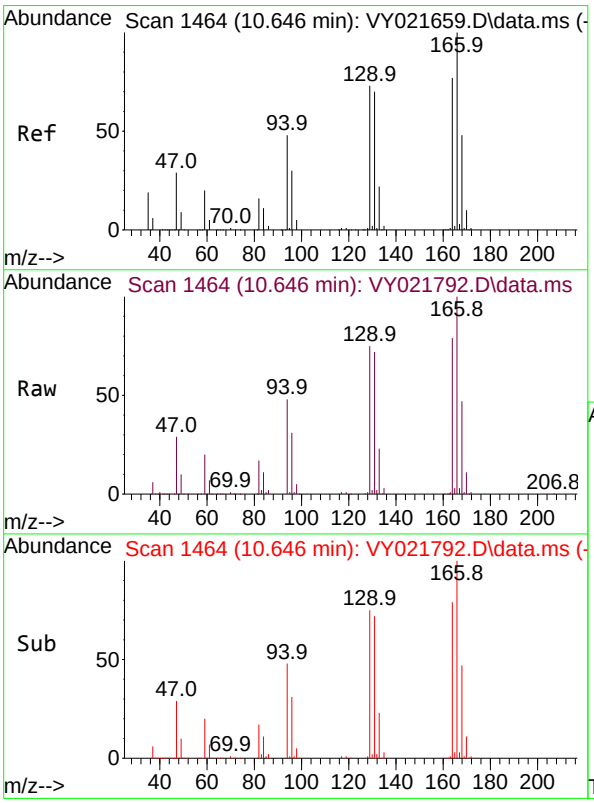
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 248171

Ion	Ratio	Lower	Upper
117	100		
82	57.3	42.8	64.2
119	31.5	25.7	38.5

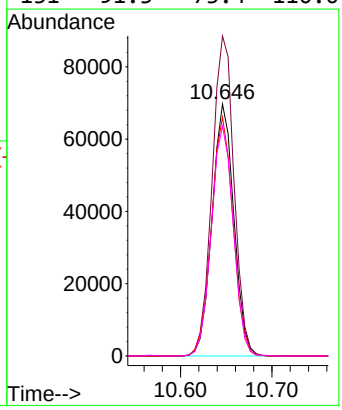


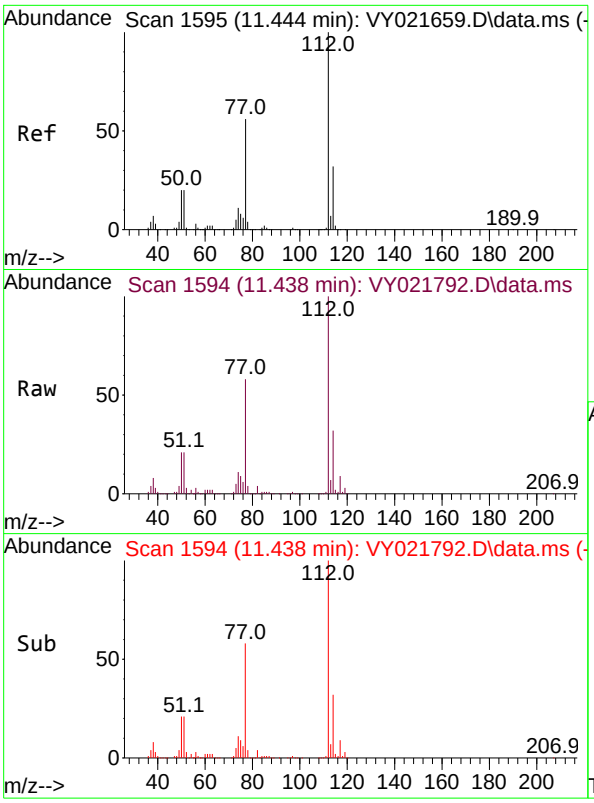


#64
Tetrachloroethene
Concen: 51.070 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:164 Resp: 115433

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.6	156.8
129	94.8	76.6	114.8
131	91.3	73.4	110.0



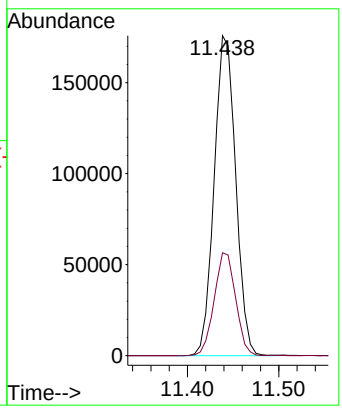


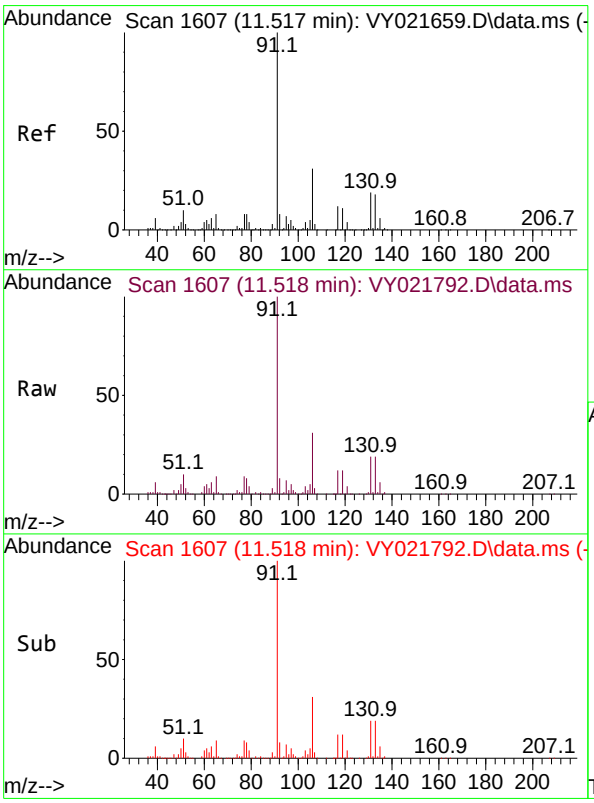
#65
Chlorobenzene
Concen: 50.644 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 288107

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9

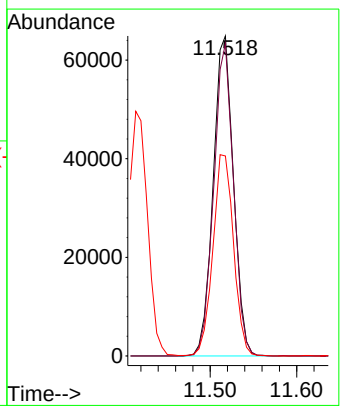


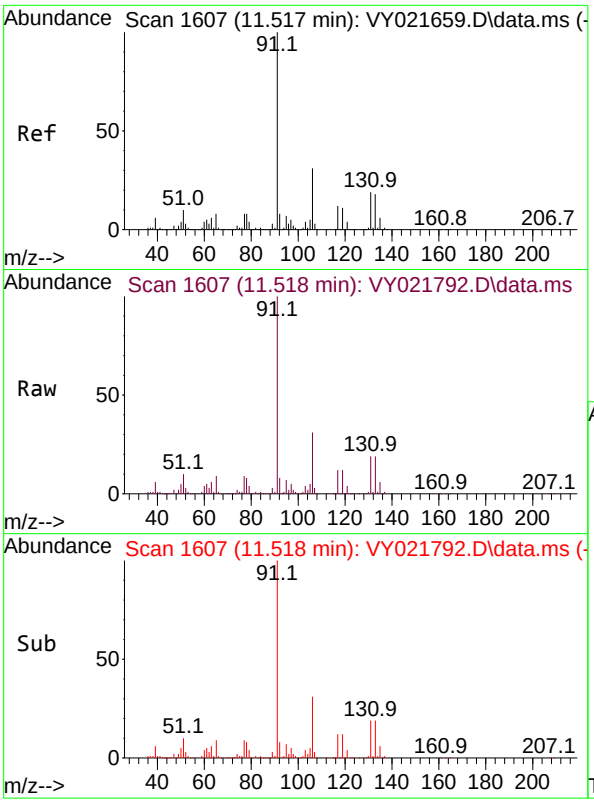


#66
1,1,1,2-Tetrachloroethane
Concen: 52.241 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:131 Resp: 105444

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.8
119	64.1	31.6	95.0



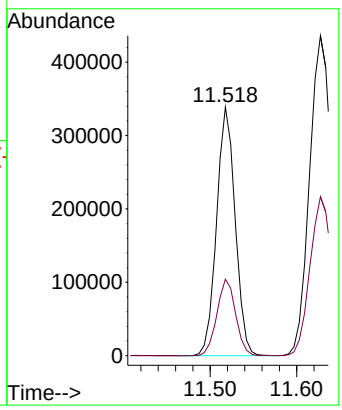


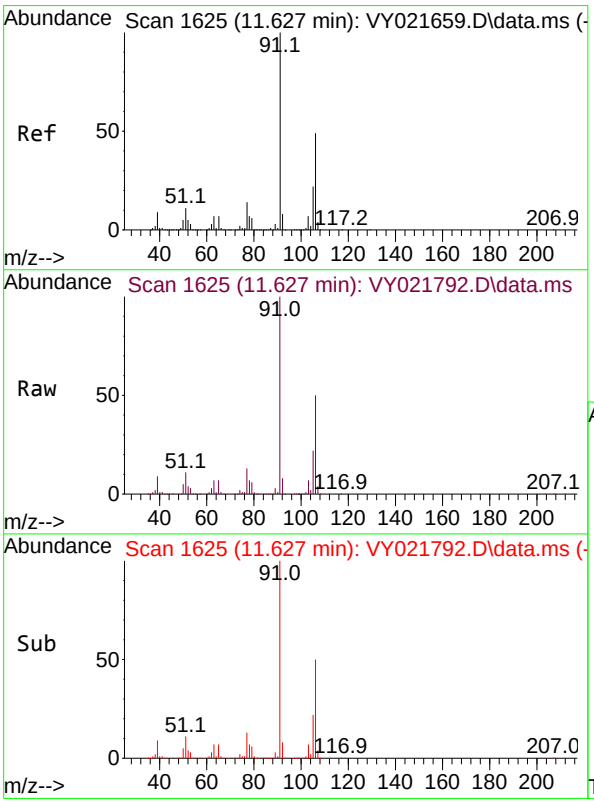
#67
Ethyl Benzene
Concen: 51.739 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 504722

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	36.8

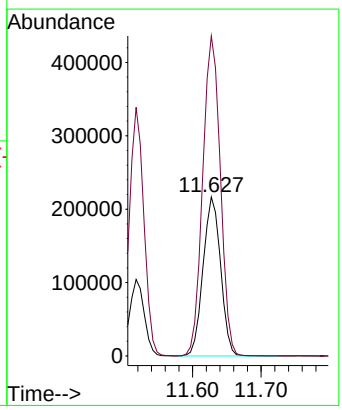


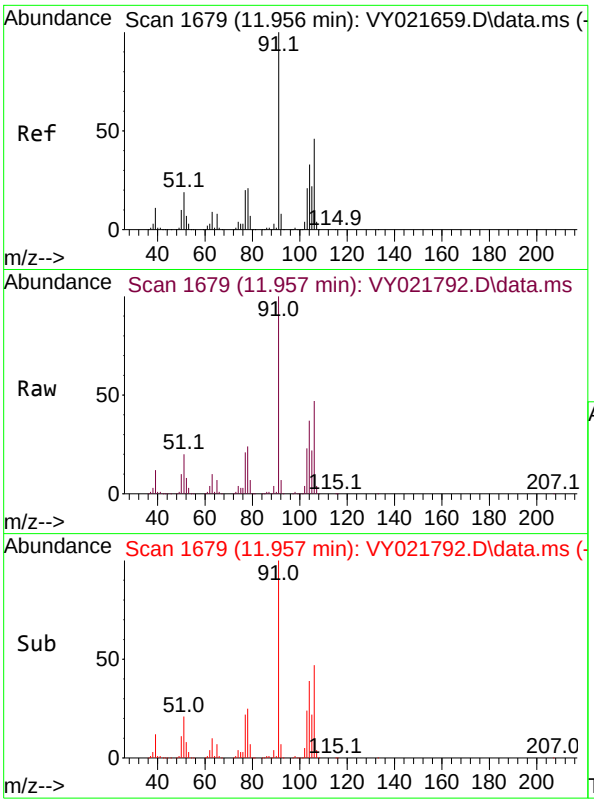


#68
m/p-Xylenes
Concen: 103.189 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:106 Resp: 385465

Ion	Ratio	Lower	Upper
106	100		
91	202.9	162.4	243.6



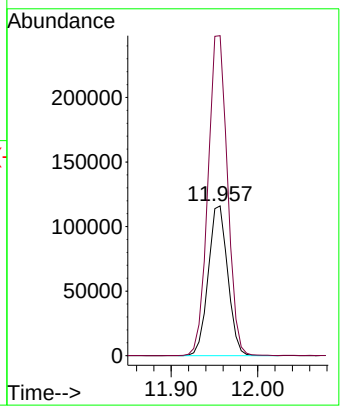


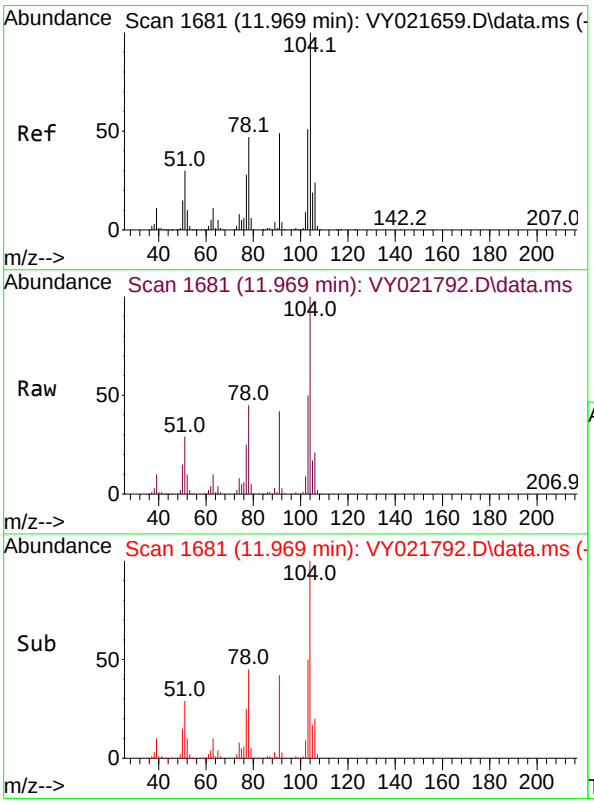
#69
o-Xylene
Concen: 52.528 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 181127

Ion	Ratio	Lower	Upper
106	100		
91	214.3	106.7	319.9

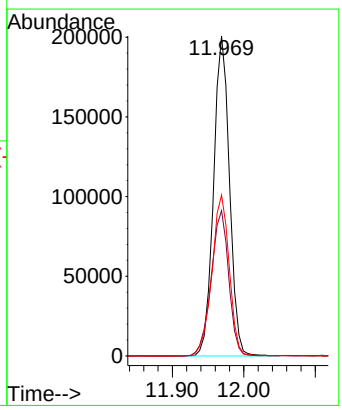


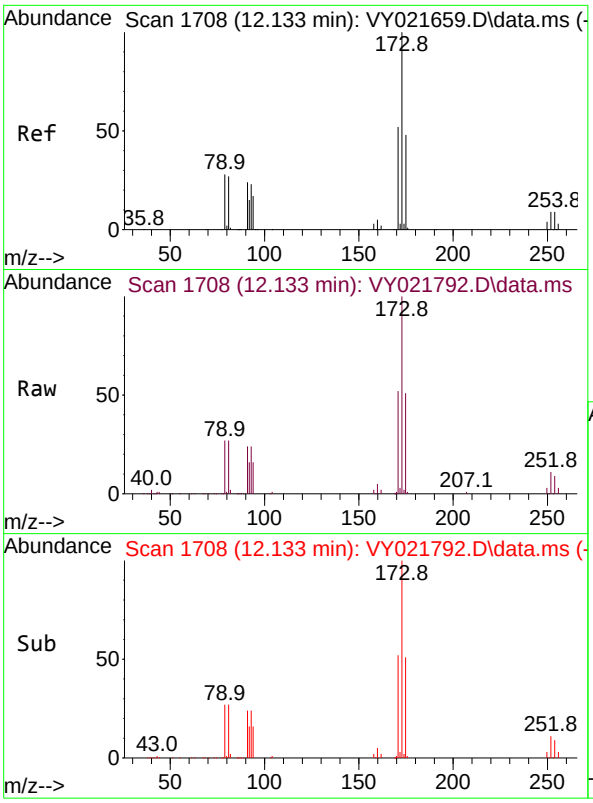


#70
Styrene
Concen: 54.028 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:104 Resp: 310624

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.8	61.2
103	54.5	44.2	66.2



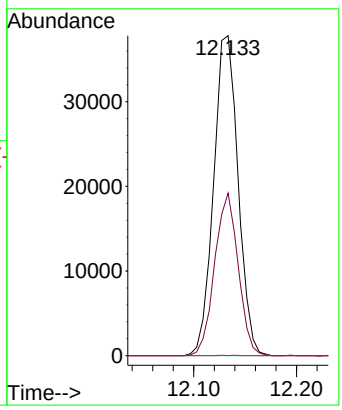


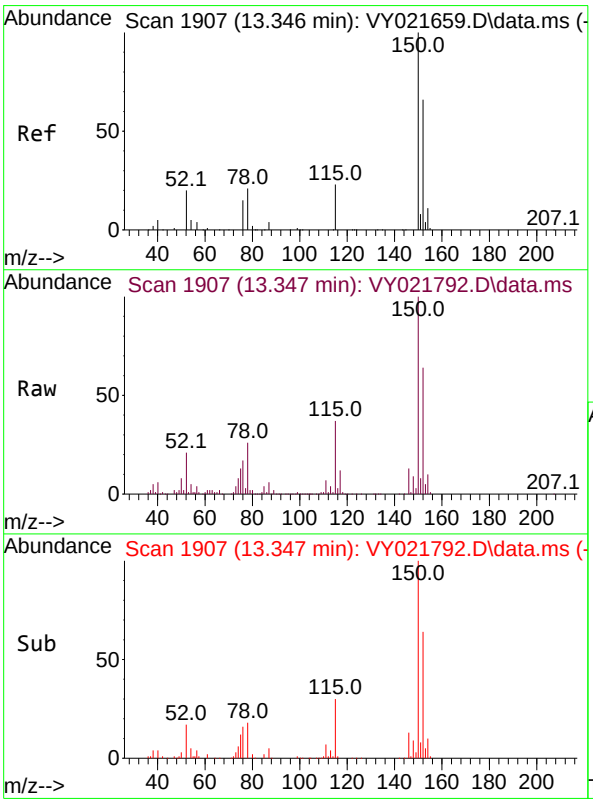
#71
Bromoform
Concen: 54.280 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 62495

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1#

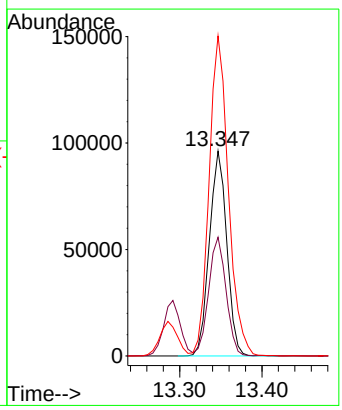


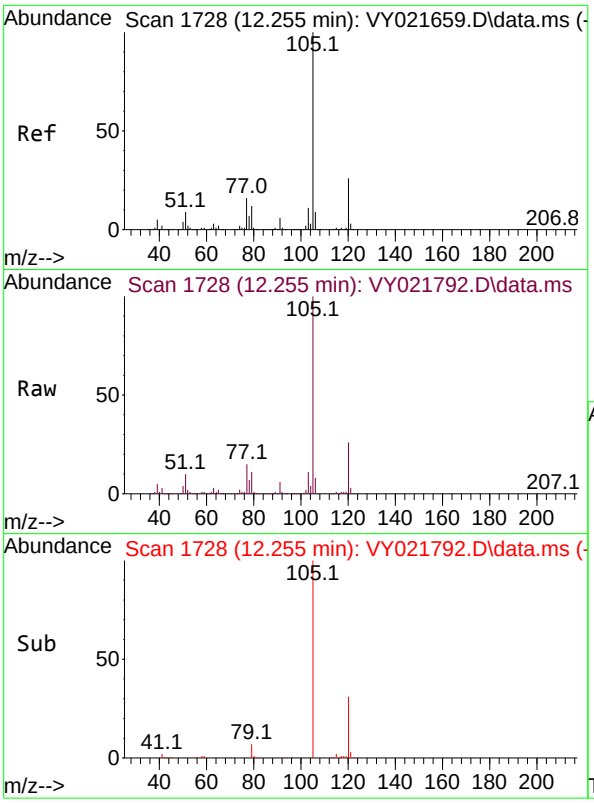


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:152 Resp: 141740

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	173.1	0.0	348.4



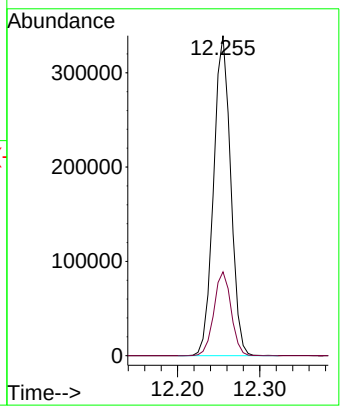


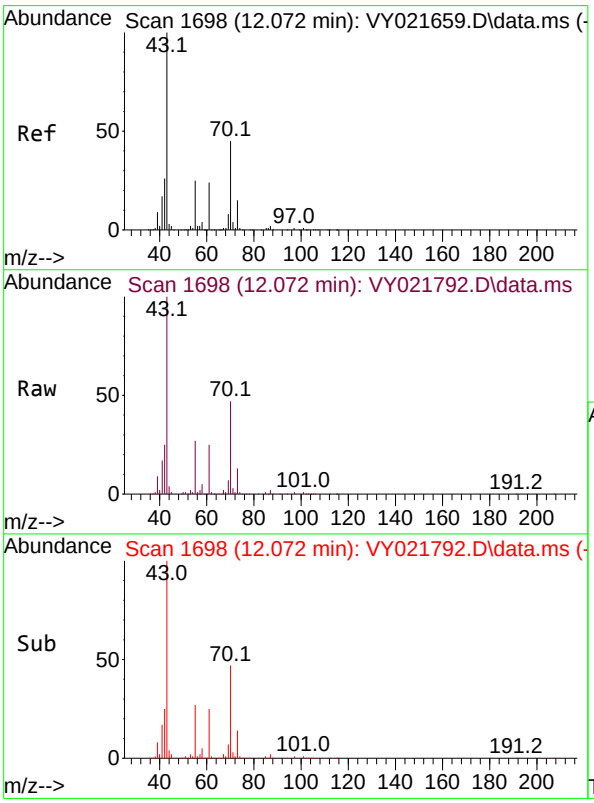
#73
Isopropylbenzene
Concen: 46.563 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 490199

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5

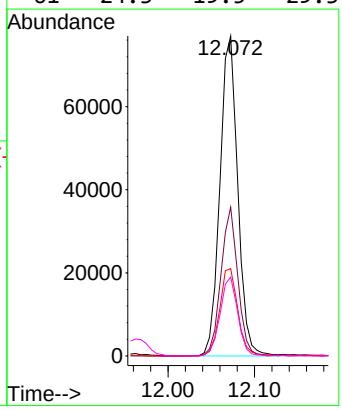


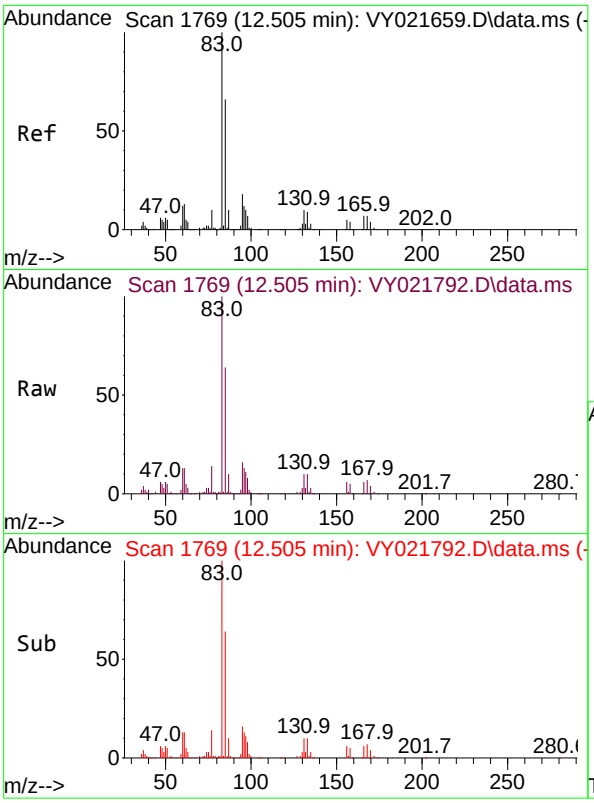


#74
N-amyl acetate
Concen: 44.542 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 43 Resp: 110051

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.7	52.1
55	28.0	21.2	31.8
61	24.3	19.5	29.3



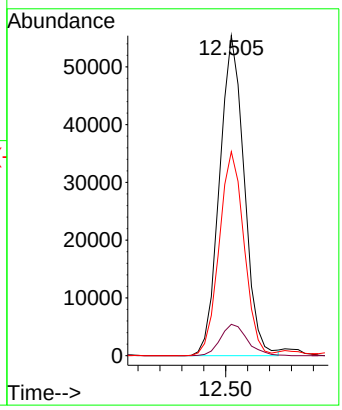


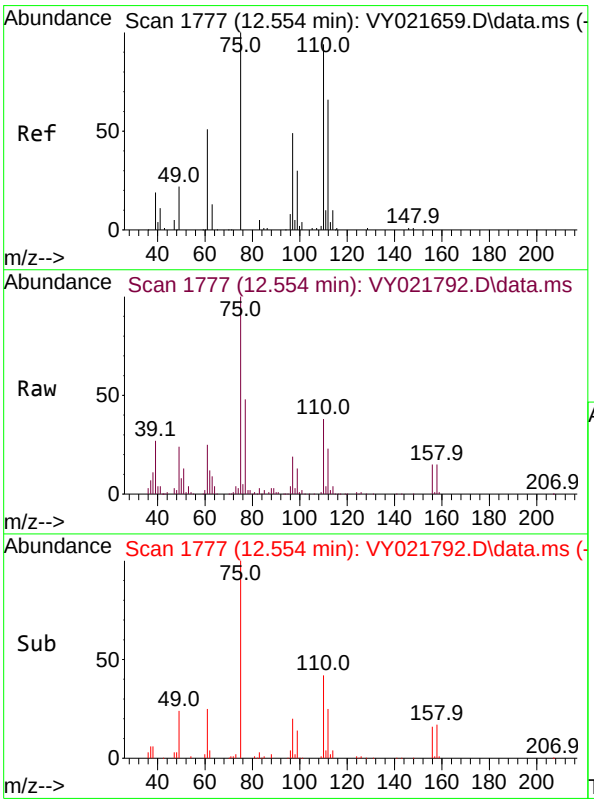
#75
1,1,2,2-Tetrachloroethane
Concen: 45.870 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 86820

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.1	15.3
85	64.2	32.3	96.8

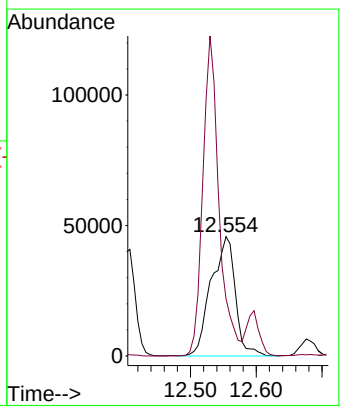


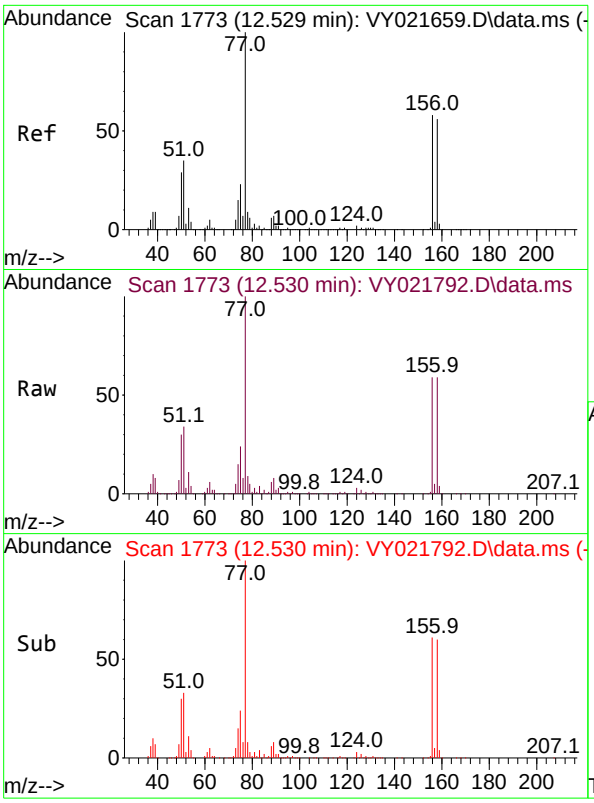


#76
1,2,3-Trichloropropane
Concen: 83.395 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 117171

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



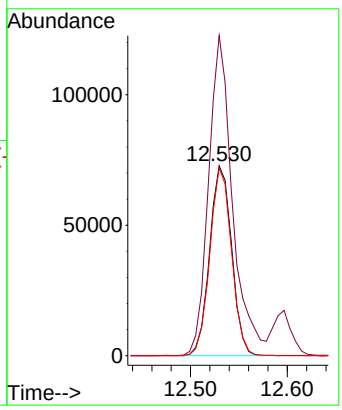


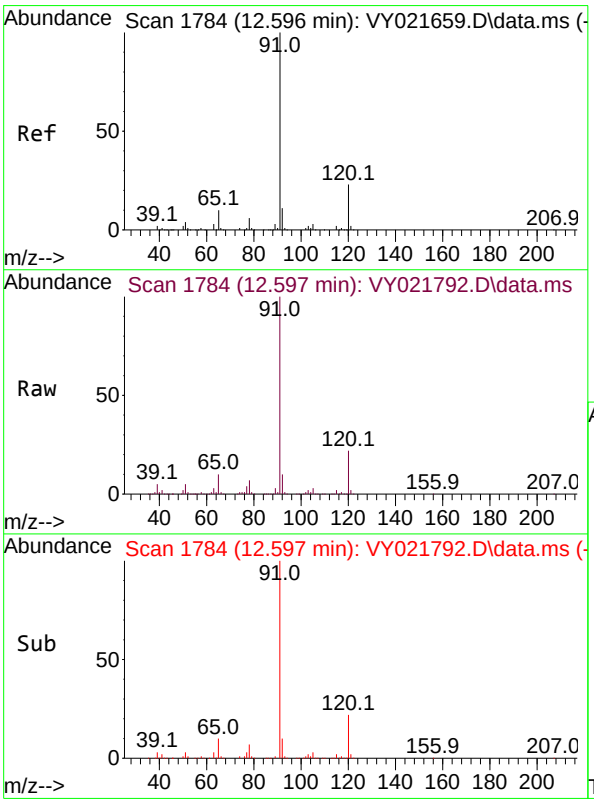
#77
Bromobenzene
Concen: 45.591 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 115240

Ion	Ratio	Lower	Upper
156	100		
77	183.6	92.8	278.3
158	97.1	48.5	145.6

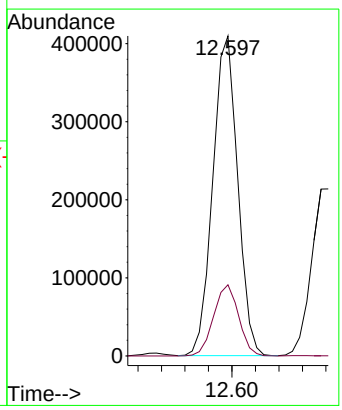


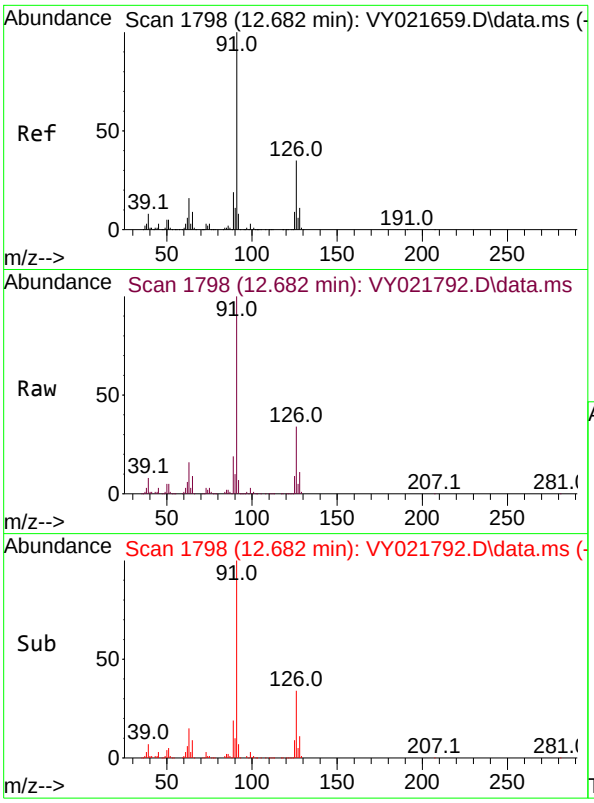


#78
n-propylbenzene
Concen: 47.555 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 601889

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9



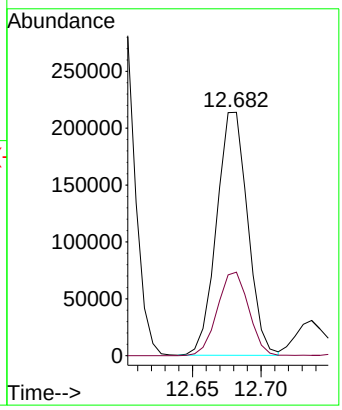


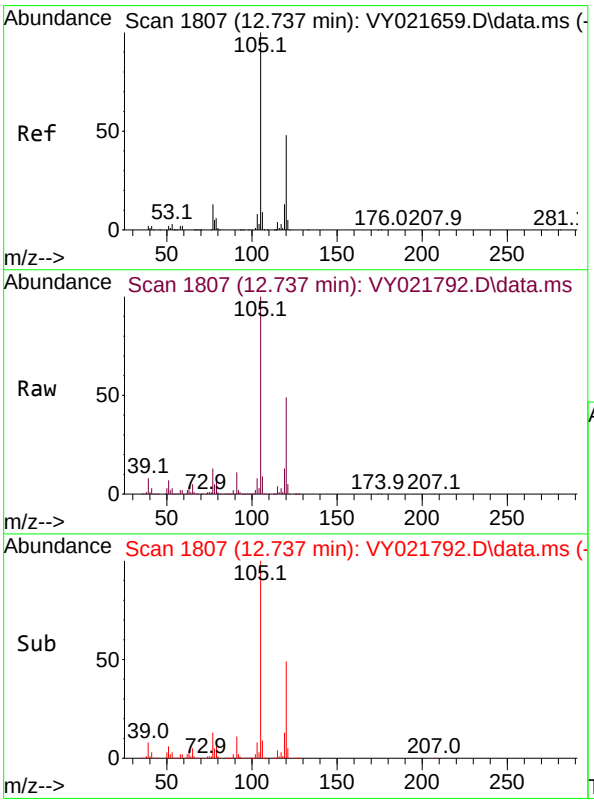
#79
2-Chlorotoluene
Concen: 45.910 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 337495

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0

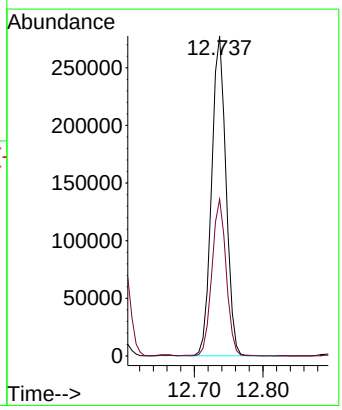


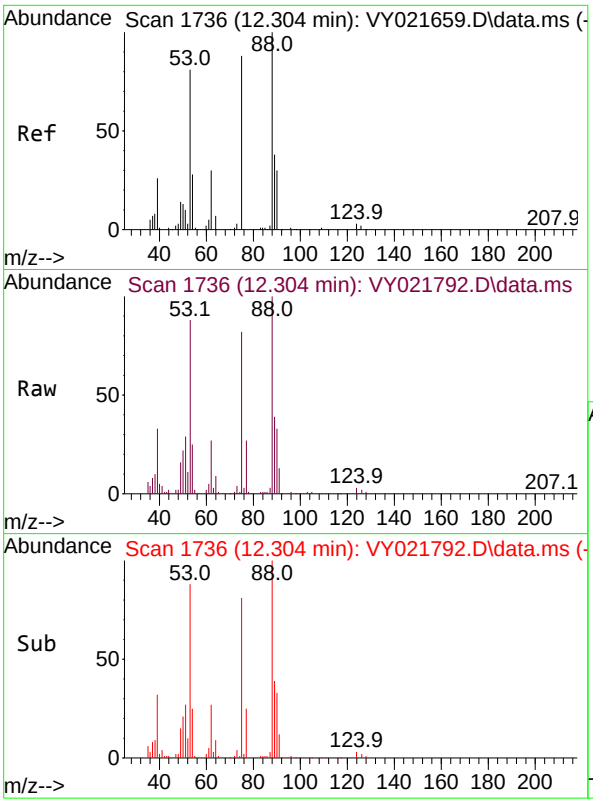


#80
1,3,5-Trimethylbenzene
Concen: 47.086 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:105 Resp: 405133

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.5	73.5



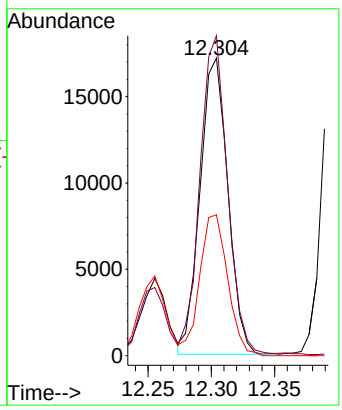


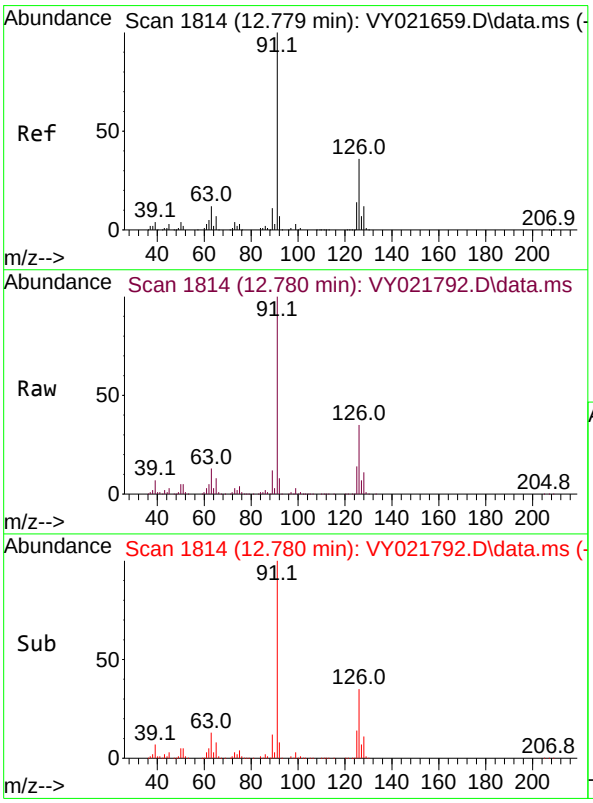
#81
trans-1,4-Dichloro-2-butene
Concen: 43.020 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 26232

Ion	Ratio	Lower	Upper
75	100		
53	107.2	76.1	114.1
89	48.1	36.2	54.4

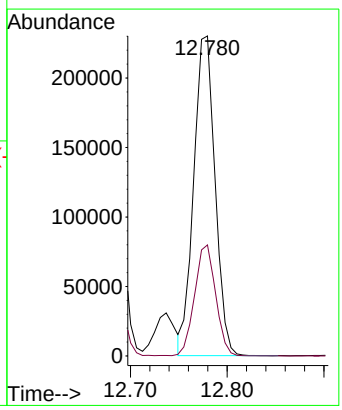


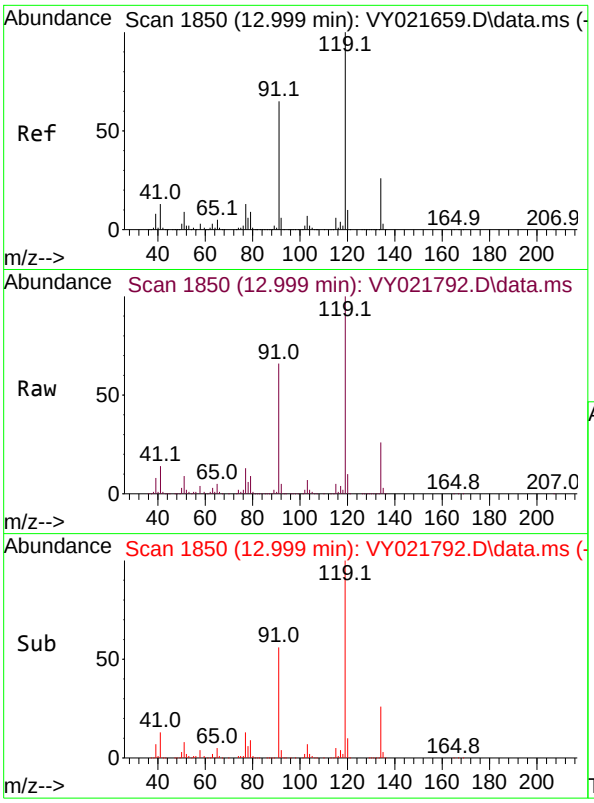


#82
4-Chlorotoluene
Concen: 46.082 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 91 Resp: 353167

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	50.9



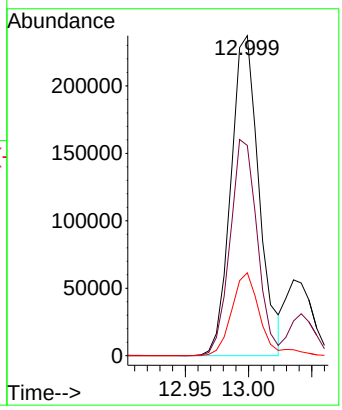


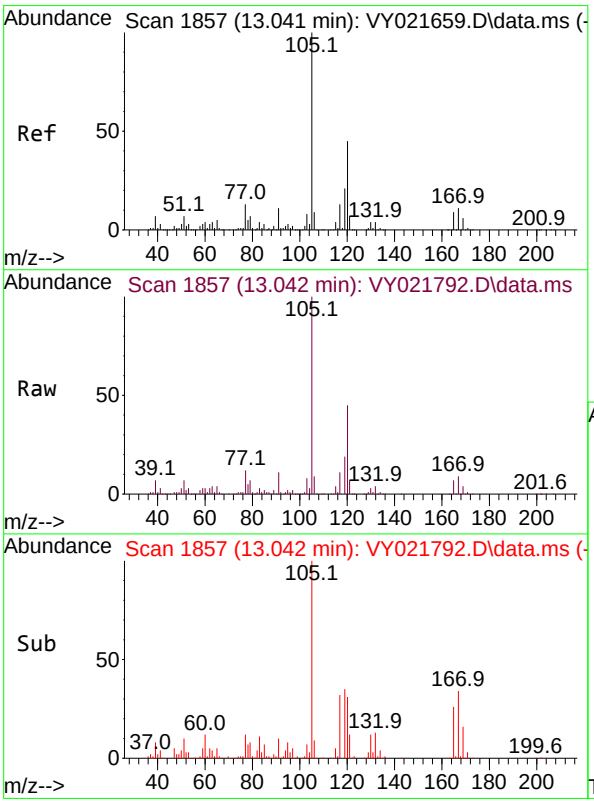
#83
tert-Butylbenzene
Concen: 48.092 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 368560

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.2	13.2	39.6

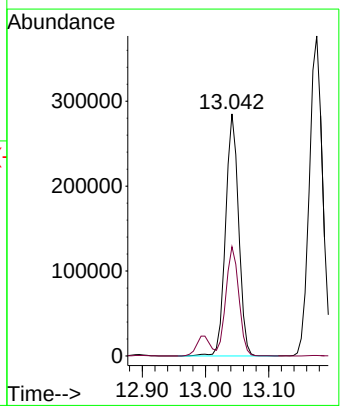


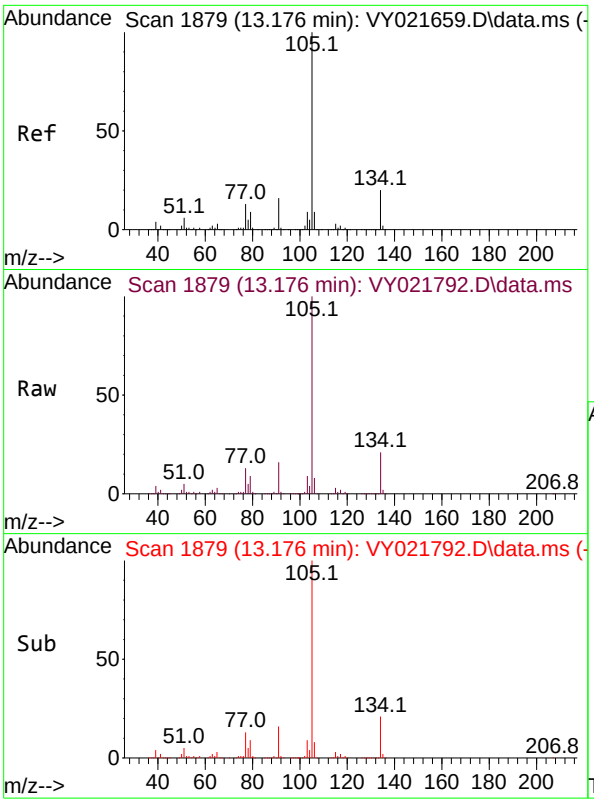


#84
1,2,4-Trimethylbenzene
Concen: 47.974 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:105 Resp: 407964

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.7	68.1



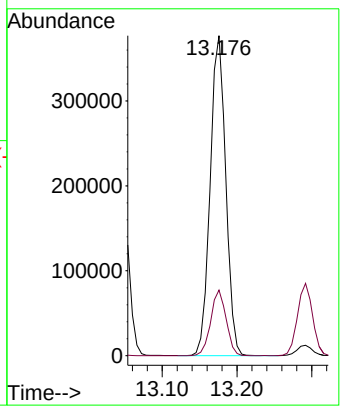


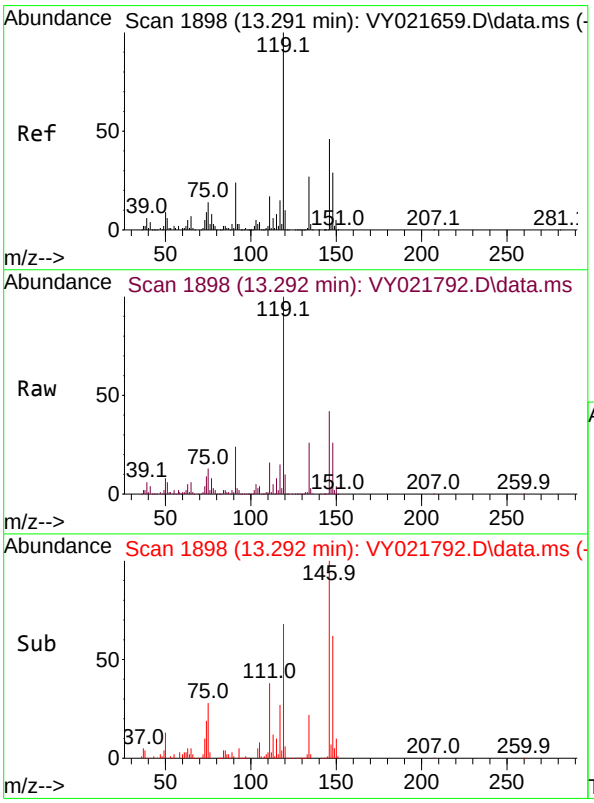
#85
sec-Butylbenzene
Concen: 48.717 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 545612

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1

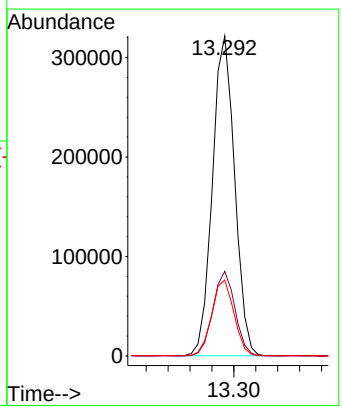


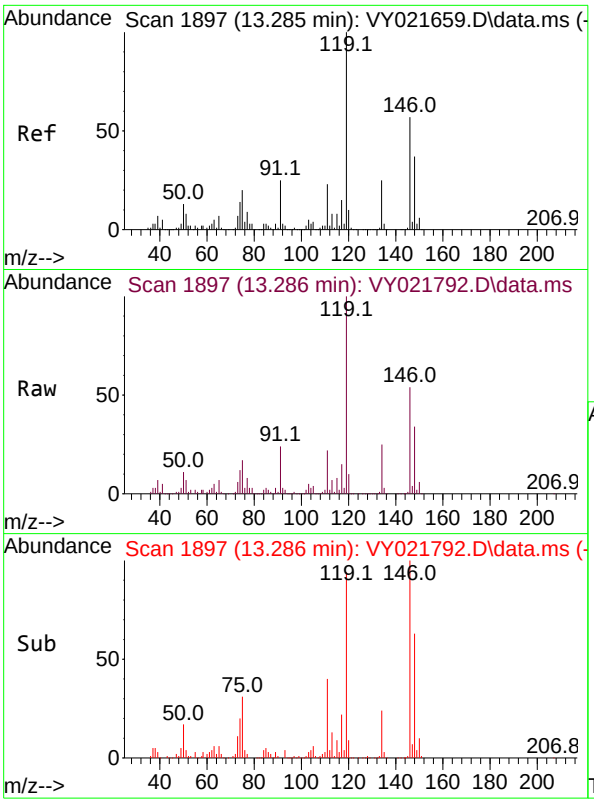


#86
p-Isopropyltoluene
Concen: 48.991 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:119 Resp: 453488

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.8	12.0	36.0



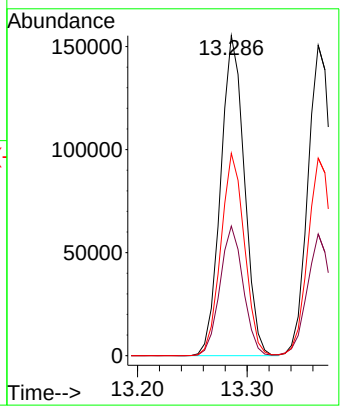


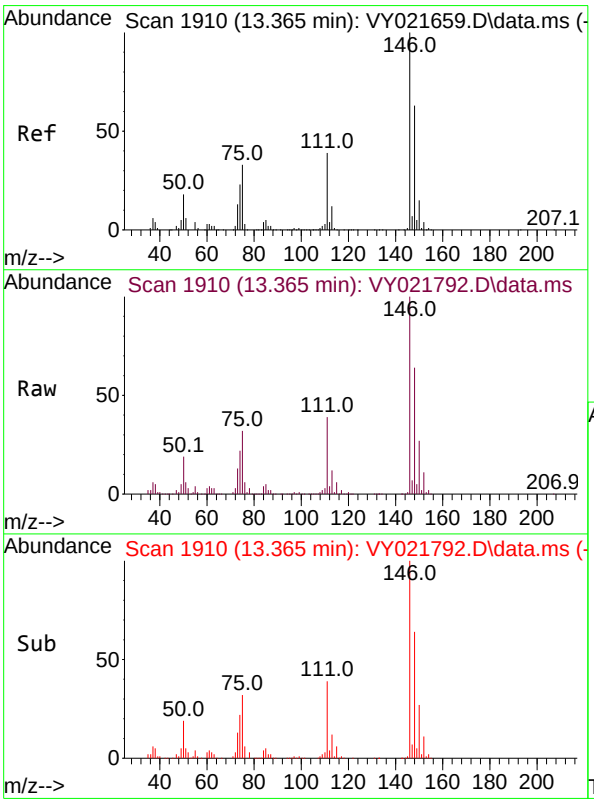
#87
1,3-Dichlorobenzene
Concen: 46.907 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 233593

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	62.7	31.8	95.4

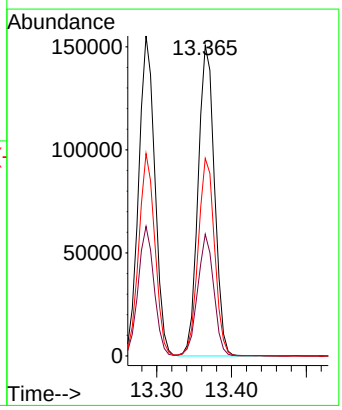


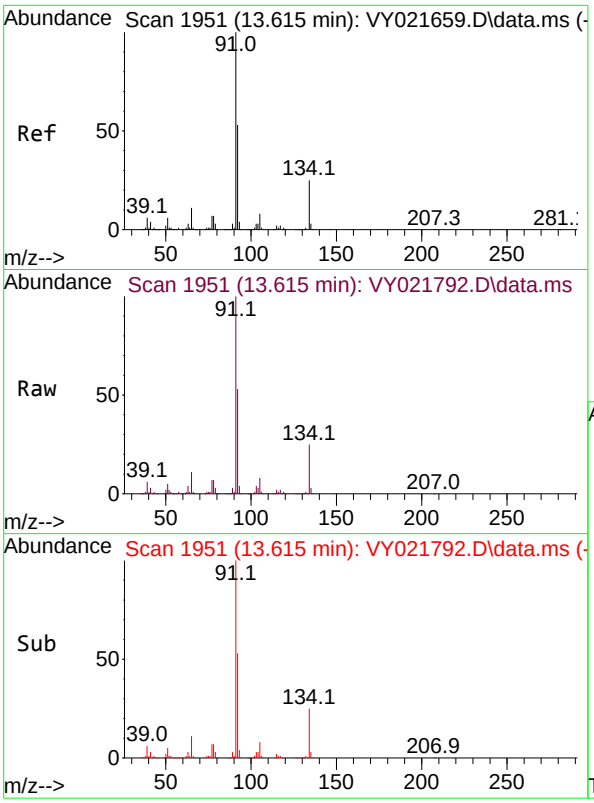


#88
1,4-Dichlorobenzene
Concen: 46.644 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:146 Resp: 229501

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.5	31.5	94.5



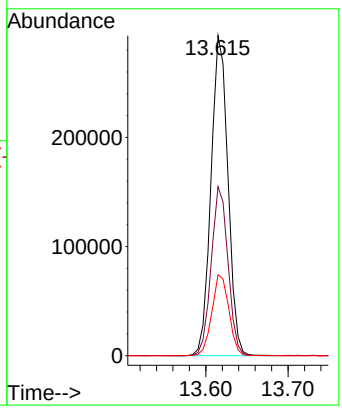


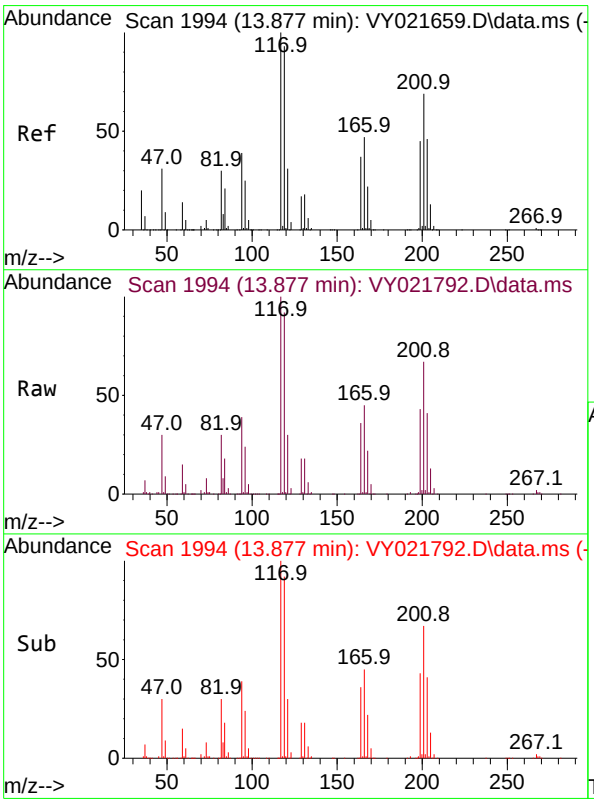
#89
n-Butylbenzene
Concen: 49.033 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 419749

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	25.4	12.8	38.4

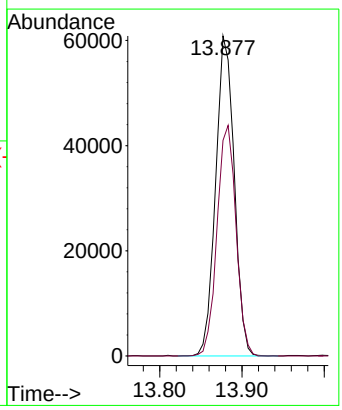


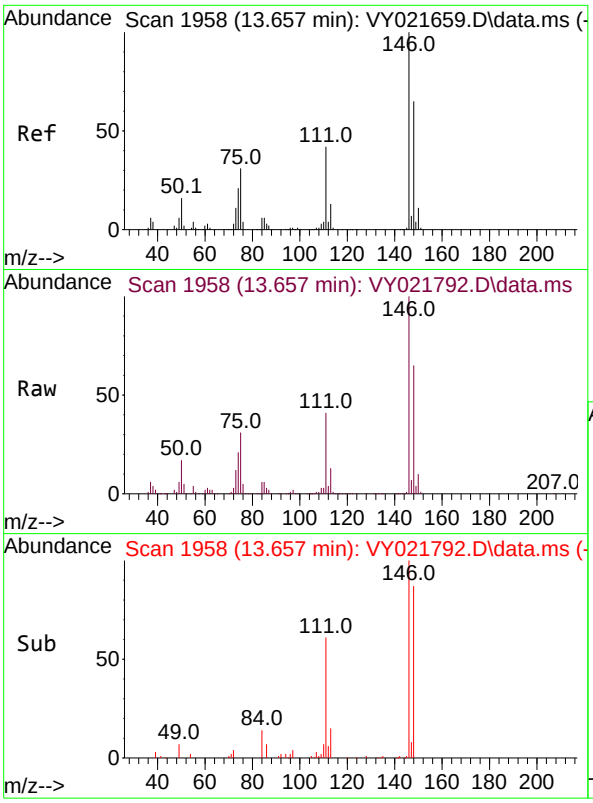


#90
Hexachloroethane
Concen: 47.153 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:117 Resp: 95647

Ion	Ratio	Lower	Upper
117	100		
201	73.6	37.4	112.1



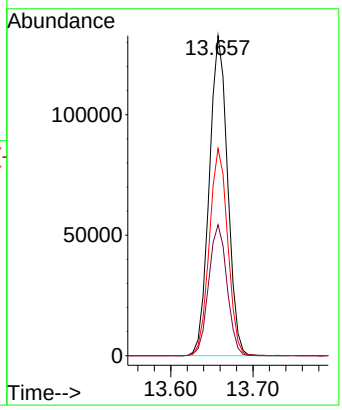


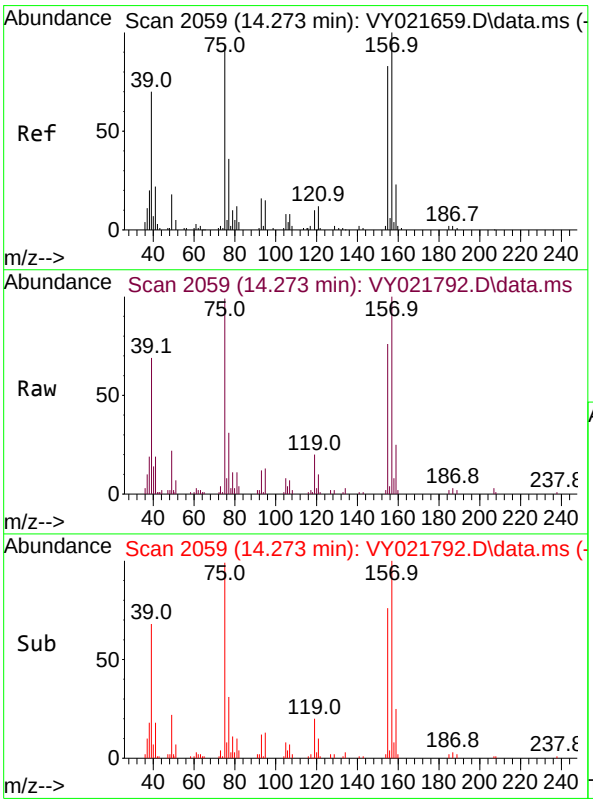
#91
1,2-Dichlorobenzene
Concen: 47.349 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 205263

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	65.0	32.3	96.9

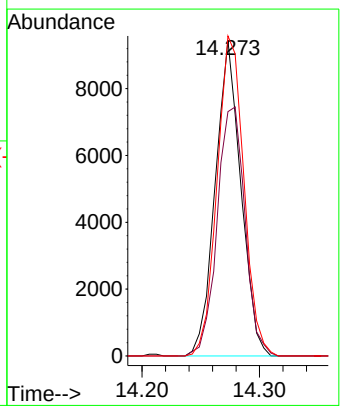


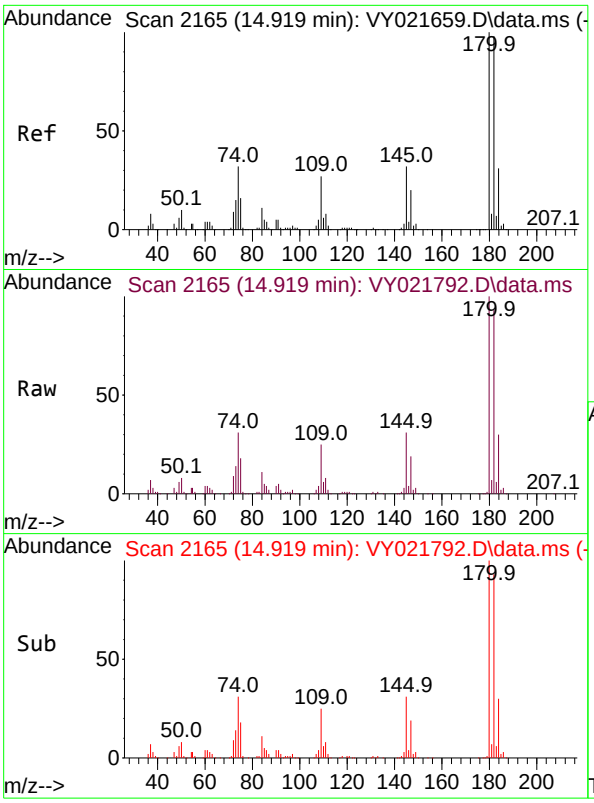


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.715 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion: 75 Resp: 14291

Ion	Ratio	Lower	Upper
75	100		
155	85.4	43.0	128.8
157	105.9	54.0	162.0



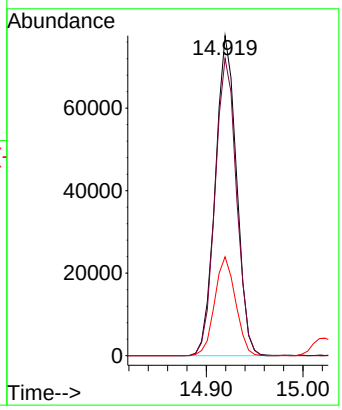


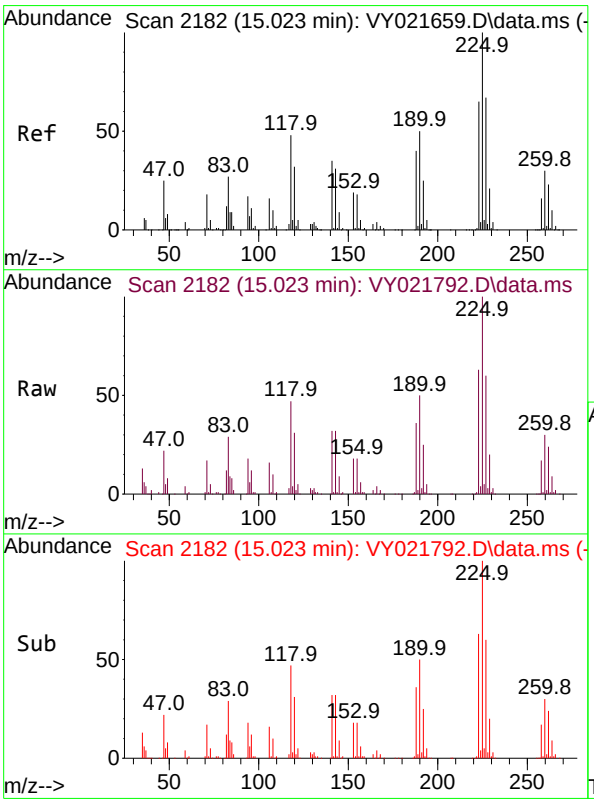
#93
1,2,4-Trichlorobenzene
Concen: 50.055 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 117675

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	30.4	14.9	44.9

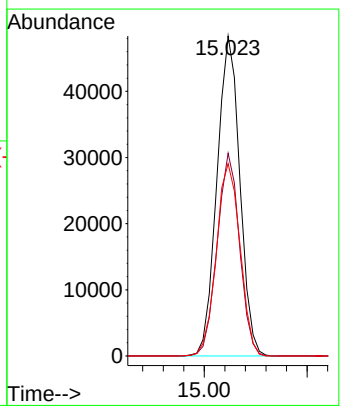


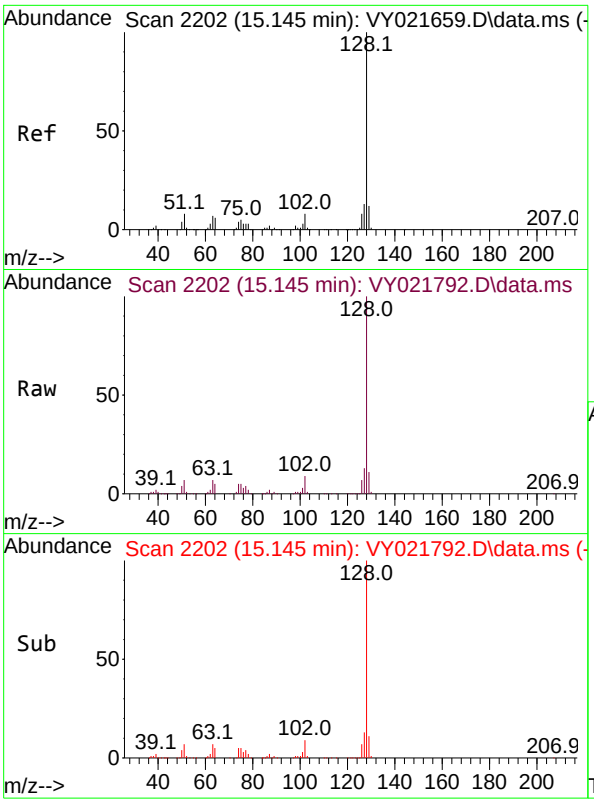


#94
Hexachlorobutadiene
Concen: 50.768 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:225 Resp: 74539

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	62.2	32.4	97.0



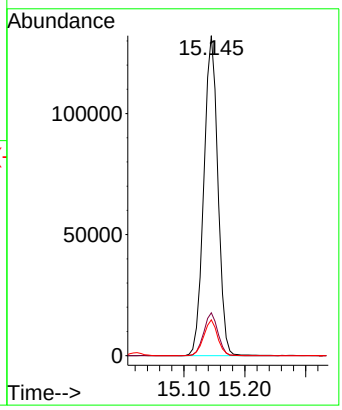


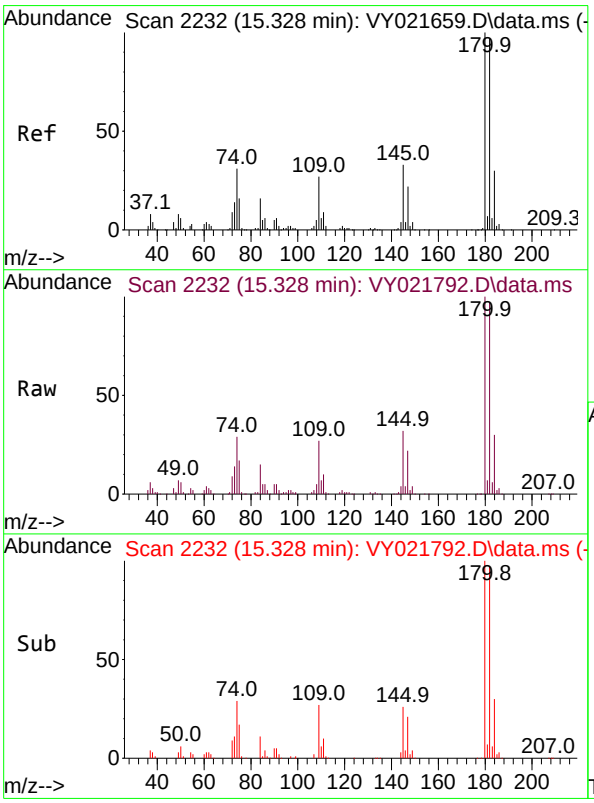
#95
Naphthalene
Concen: 54.294 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 211567

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	8.8	13.2

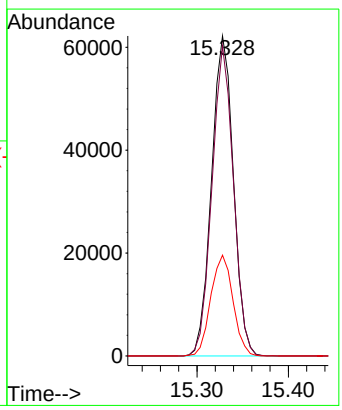




#96
1,2,3-Trichlorobenzene
Concen: 51.591 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021792.D
Acq: 04 Apr 2025 17:44

Tgt Ion:180 Resp: 103426

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.5
145	31.9	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	224832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114675	47.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.160%			
35) Dibromofluoromethane	7.634	113	110409	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.109	98	430269	51.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.408	95	146026	51.914	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	101543	43.574	ug/l	99
3) Chloromethane	2.068	50	144626	44.137	ug/l	99
4) Vinyl Chloride	2.202	62	168210	45.392	ug/l	100
5) Bromomethane	2.598	94	103733	41.042	ug/l	96
6) Chloroethane	2.733	64	109653	45.220	ug/l	96
7) Trichlorofluoromethane	3.056	101	219440	46.226	ug/l	96
8) Diethyl Ether	3.452	74	56166	43.508	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	116067	46.358	ug/l	99
10) Methyl Iodide	4.007	142	134960	49.135	ug/l	99
11) Tert butyl alcohol	4.854	59	31101	196.563	ug/l	98
12) 1,1-Dichloroethene	3.793	96	110572	46.887	ug/l	98
13) Acrolein	3.647	56	21903	75.813	ug/l	98
14) Allyl chloride	4.385	41	173690	46.193	ug/l	99
15) Acrylonitrile	5.061	53	116368	215.889	ug/l	98
16) Acetone	3.866	43	129207	259.165	ug/l	96
17) Carbon Disulfide	4.104	76	350105	45.073	ug/l	98
18) Methyl Acetate	4.385	43	61273	49.589	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	264988	45.133	ug/l	99
20) Methylene Chloride	4.616	84	117747	48.120	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	123247	47.466	ug/l	95
22) Diisopropyl ether	6.019	45	375600	47.619	ug/l	99
23) Vinyl Acetate	5.958	43	1018936	220.822	ug/l	100
24) 1,1-Dichloroethane	5.915	63	223308	47.347	ug/l	99
25) 2-Butanone	6.890	43	163207	229.196	ug/l	98
26) 2,2-Dichloropropane	6.884	77	202427	48.250	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	140137	47.992	ug/l	98
28) Bromochloromethane	7.244	49	92565	46.536	ug/l	100
29) Tetrahydrofuran	7.262	42	98557	215.053	ug/l	98
30) Chloroform	7.421	83	233479	47.595	ug/l	99
31) Cyclohexane	7.701	56	191520	44.546	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	209391	47.227	ug/l	98
36) 1,1-Dichloropropene	7.835	75	168291	50.545	ug/l	99
37) Ethyl Acetate	6.982	43	69534	44.251	ug/l	98
38) Carbon Tetrachloride	7.817	117	193545	50.753	ug/l	98
39) Methylcyclohexane	9.109	83	194442	48.886	ug/l	99
40) Benzene	8.079	78	501796	50.325	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35618	42.682 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	135660	48.260 ug/l	99
43) Isopropyl Acetate	8.195	43	133660	44.885 ug/l #	87
44) Trichloroethene	8.866	130	131643	51.817 ug/l	96
45) 1,2-Dichloropropane	9.140	63	117612	49.831 ug/l	99
46) Dibromomethane	9.231	93	65338	48.034 ug/l	98
47) Bromodichloromethane	9.426	83	174186	49.419 ug/l	100
48) Methyl methacrylate	9.219	41	64853	47.453 ug/l	95
49) 1,4-Dioxane	9.231	88	13646	936.467 ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	360893	232.887 ug/l	100
52) Toluene	10.170	92	319169	51.304 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	155920	49.804 ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	185476	50.219 ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	86004	49.131 ug/l	98
56) Ethyl methacrylate	10.445	69	109189	48.850 ug/l	98
57) 1,3-Dichloropropane	10.719	76	149100	49.319 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	282136	258.748 ug/l	100
59) 2-Hexanone	10.762	43	251244	243.444 ug/l	100
60) Dibromochloromethane	10.914	129	118885	49.743 ug/l	99
61) 1,2-Dibromoethane	11.018	107	80014	48.727 ug/l	99
64) Tetrachloroethene	10.646	164	148740	54.654 ug/l	98
65) Chlorobenzene	11.444	112	341961	49.923 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	121265	49.897 ug/l	98
67) Ethyl Benzene	11.524	91	607101	51.687 ug/l	100
68) m/p-Xylenes	11.633	106	467260	103.887 ug/l	100
69) o-Xylene	11.957	106	215626	51.935 ug/l	98
70) Styrene	11.969	104	364462	52.649 ug/l	99
71) Bromoform	12.133	173	68597	49.483 ug/l #	99
73) Isopropylbenzene	12.255	105	575416	50.541 ug/l	99
74) N-amyl acetate	12.072	43	115291	43.148 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	85563	41.800 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	125066	82.309 ug/l #	100
77) Bromobenzene	12.536	156	134854	49.332 ug/l	97
78) n-propylbenzene	12.597	91	700624	51.186 ug/l	100
79) 2-Chlorotoluene	12.682	91	394135	49.576 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	470123	50.524 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	30461	46.192 ug/l	97
82) 4-Chlorotoluene	12.780	91	405107	48.877 ug/l	98
83) tert-Butylbenzene	12.999	119	409458	49.404 ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	473400	51.475 ug/l	99
85) sec-Butylbenzene	13.176	105	612188	50.544 ug/l	100
86) p-Isopropyltoluene	13.292	119	516598	51.605 ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	268145	49.789 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	258781	48.633 ug/l	99
89) n-Butylbenzene	13.621	91	467407	50.487 ug/l	100
90) Hexachloroethane	13.883	117	106174	48.399 ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	230830	49.236 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14186	44.715 ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	125306	49.286 ug/l	99
94) Hexachlorobutadiene	15.029	225	76368	48.096 ug/l	99
95) Naphthalene	15.151	128	198442	47.089 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	105317	48.577 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

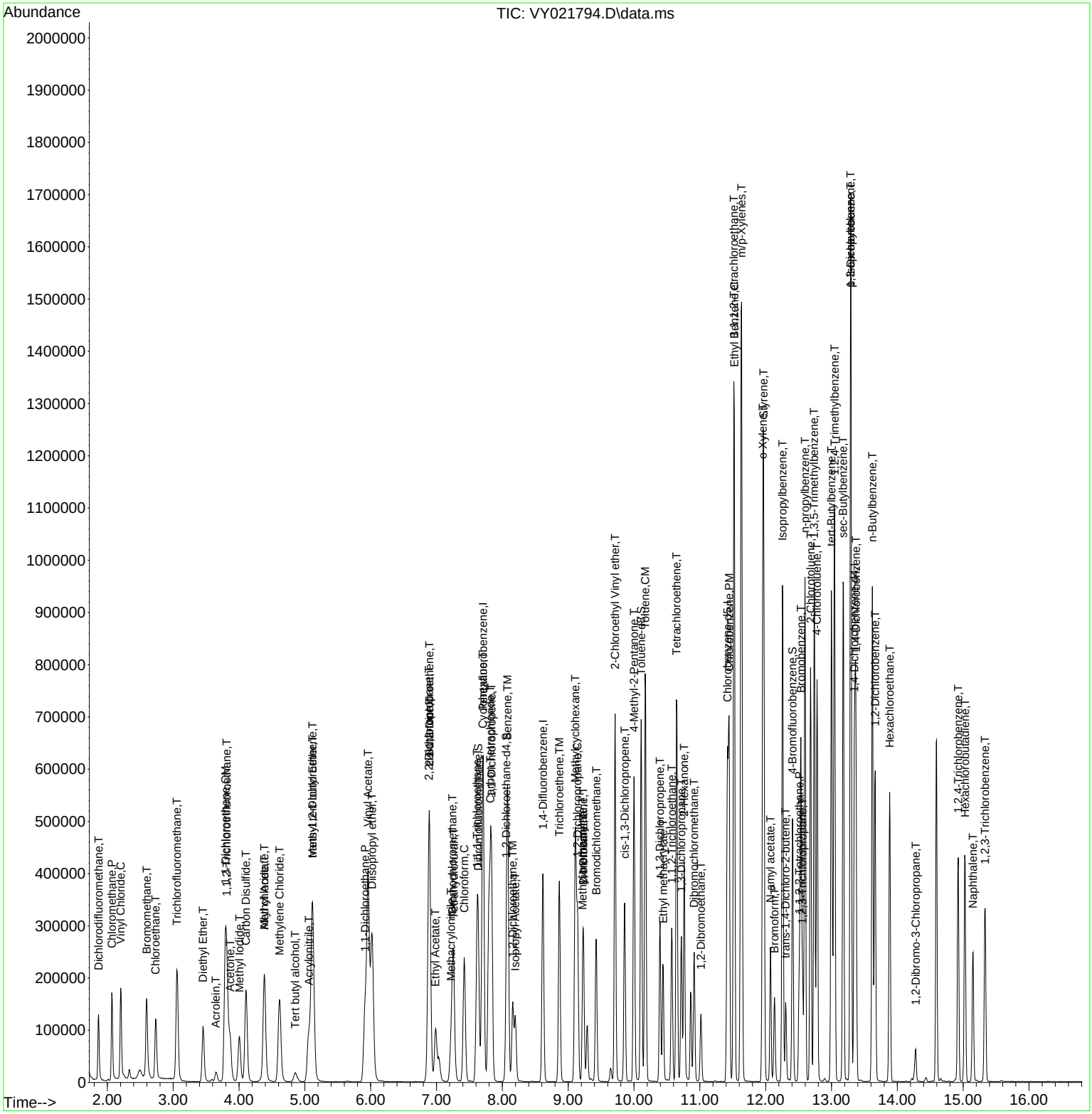
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

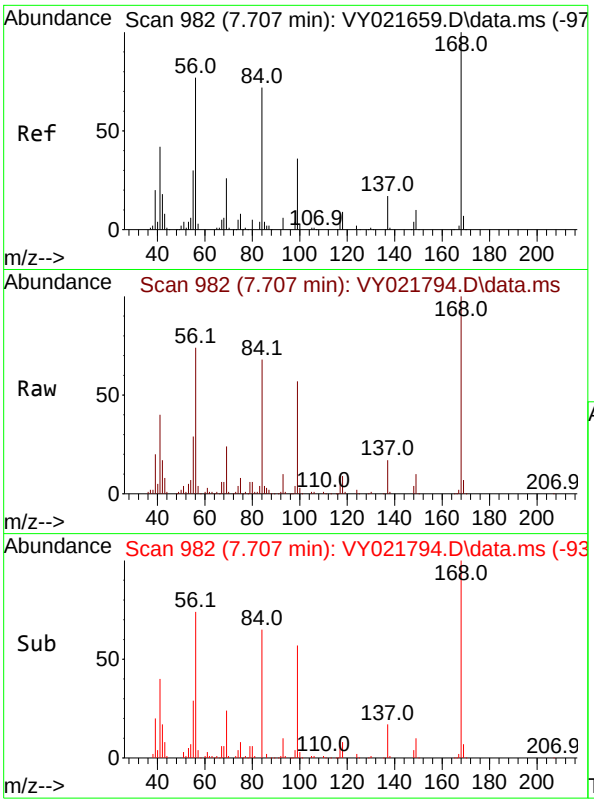
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021794.D
Acq On : 07 Apr 2025 09:10
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 08 03:30:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



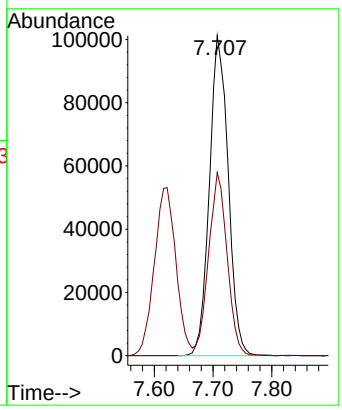


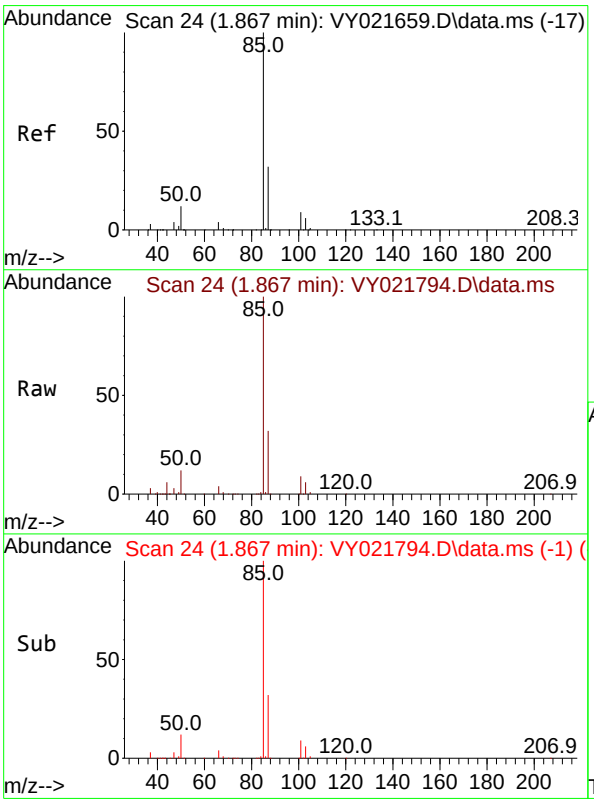
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 224832

Ion	Ratio	Lower	Upper
168	100		
99	57.2	46.7	70.1

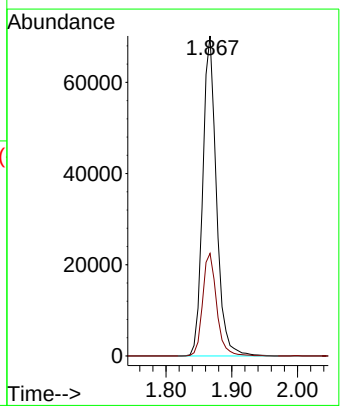


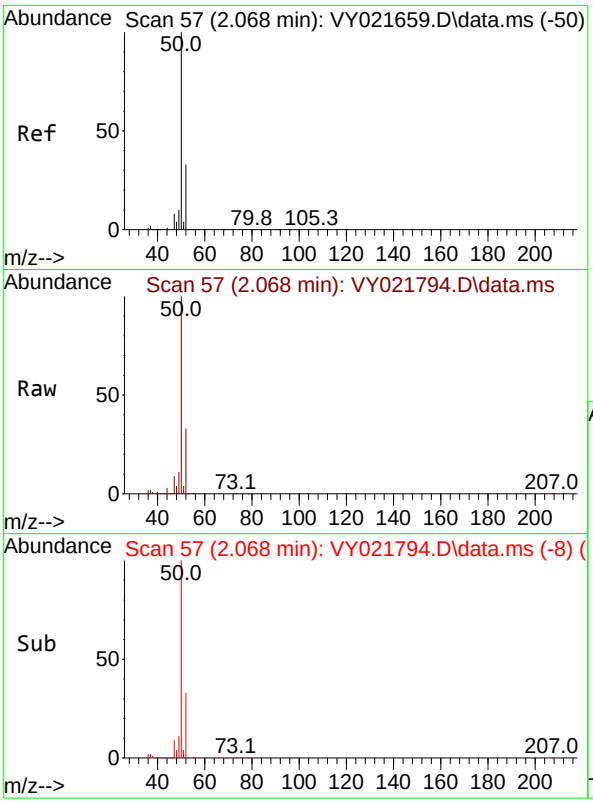


#2
Dichlorodifluoromethane
Concen: 43.574 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 85 Resp: 101543

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6



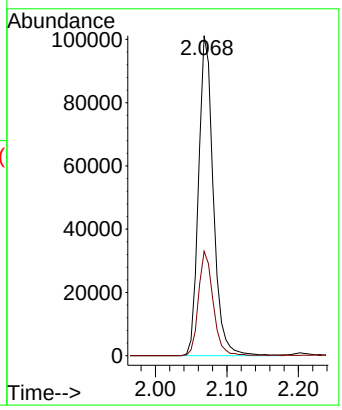


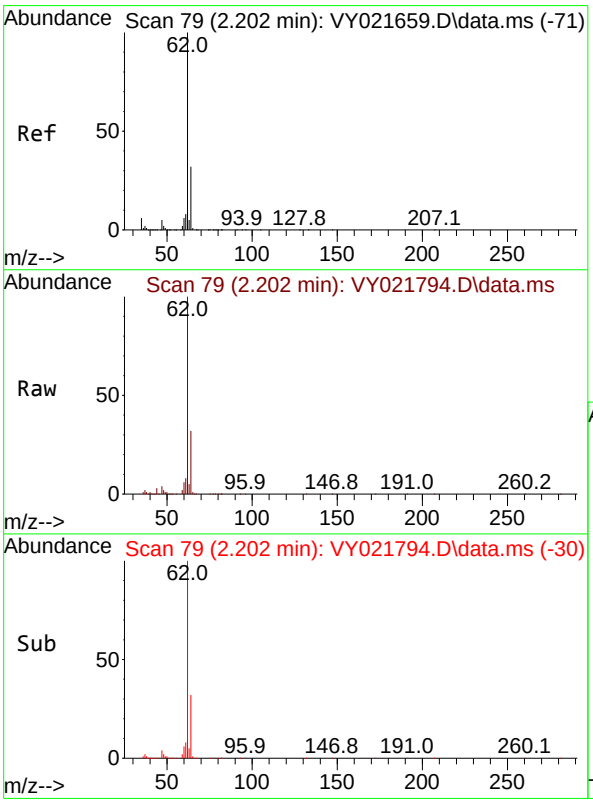
#3
Chloromethane
Concen: 44.137 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 144626

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.3	39.5

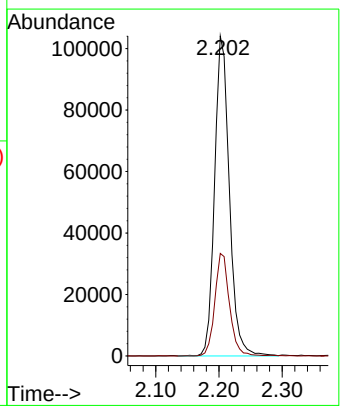


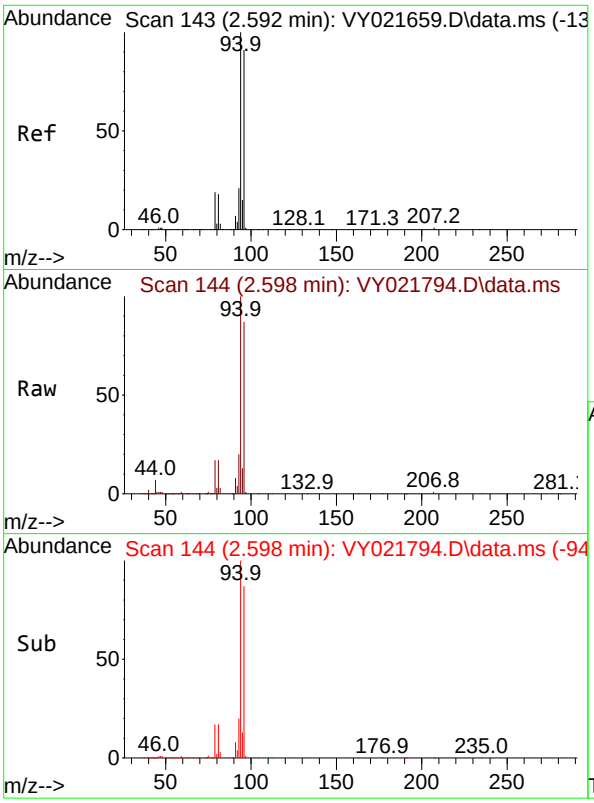


#4
Vinyl Chloride
Concen: 45.392 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 62 Resp: 168210

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.5	38.3



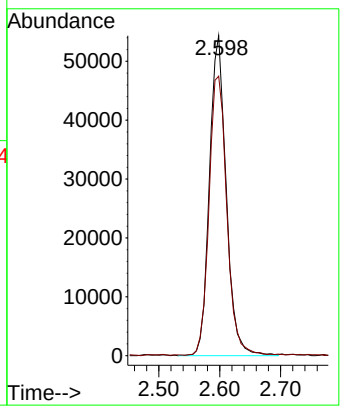


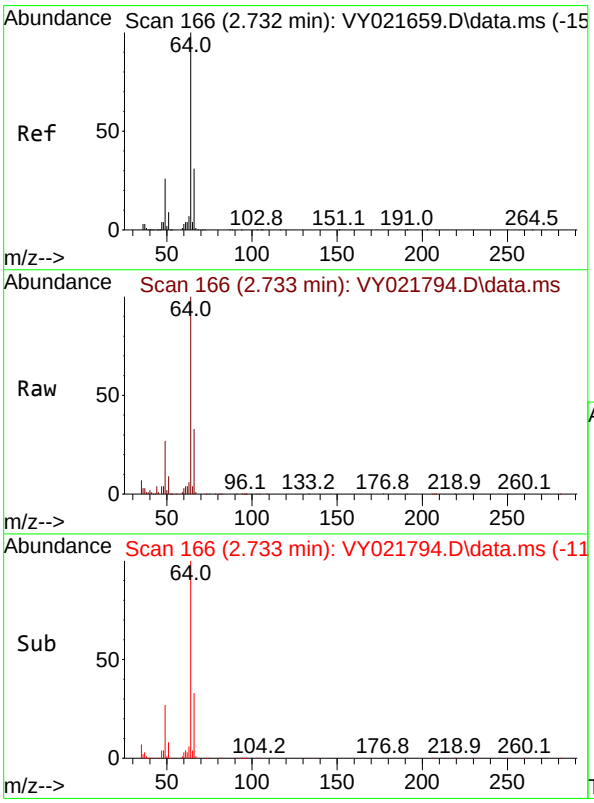
#5
Bromomethane
Concen: 41.042 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 103733

Ion	Ratio	Lower	Upper
94	100		
96	87.1	72.8	109.2

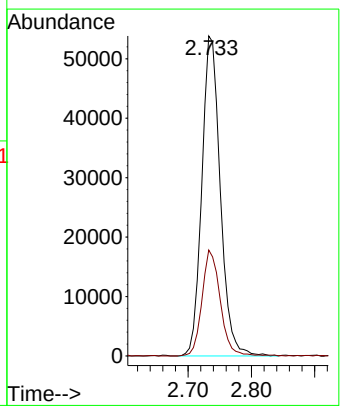


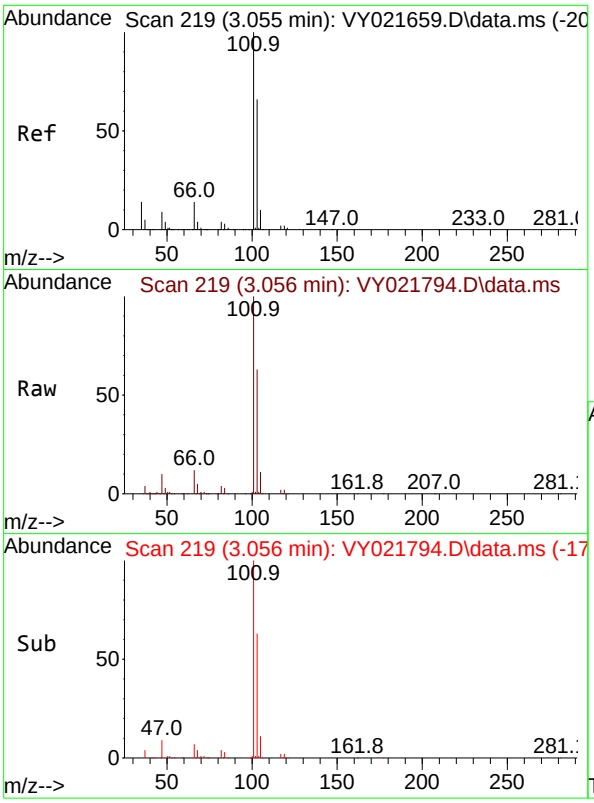


#6
Chloroethane
Concen: 45.220 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 64 Resp: 109653

Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.9	37.3



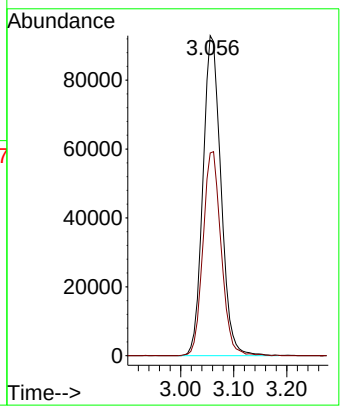


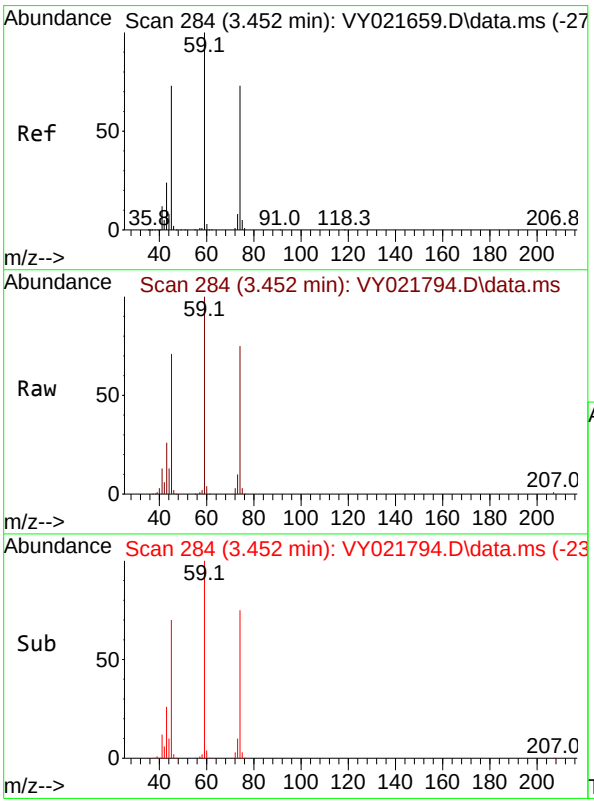
#7
Trichlorofluoromethane
Concen: 46.226 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 219440

Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.1	79.7

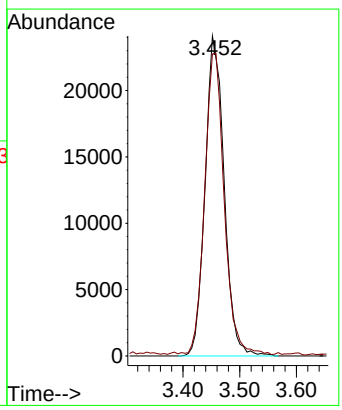


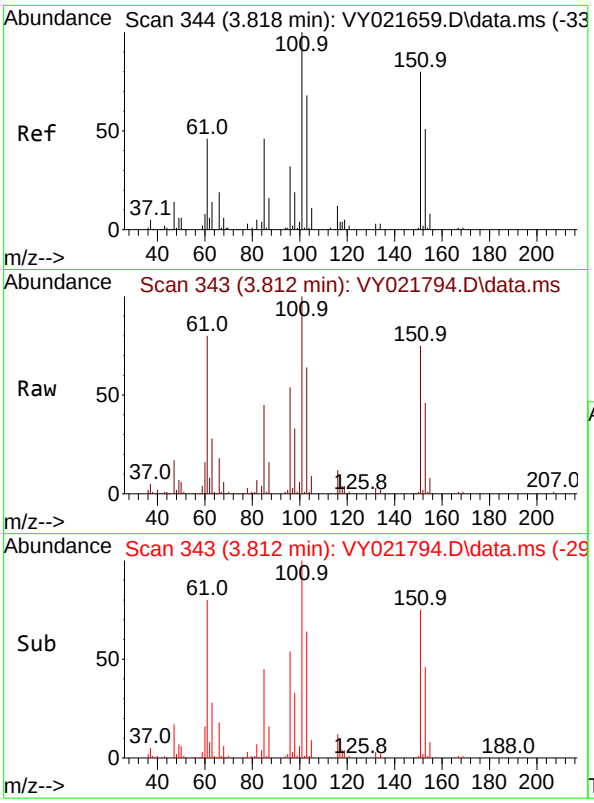


#8
Diethyl Ether
Concen: 43.508 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 74 Resp: 56166

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8



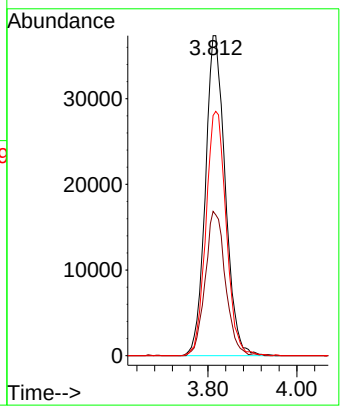


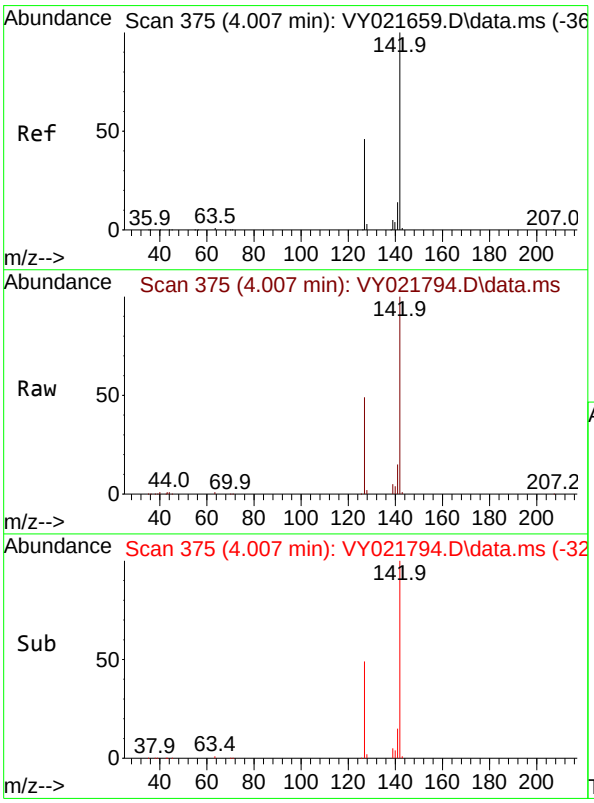
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.358 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 116067

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.3	54.5
151	77.8	61.3	91.9

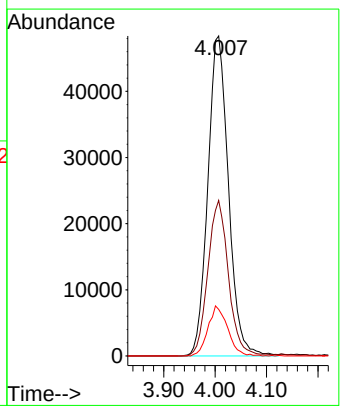


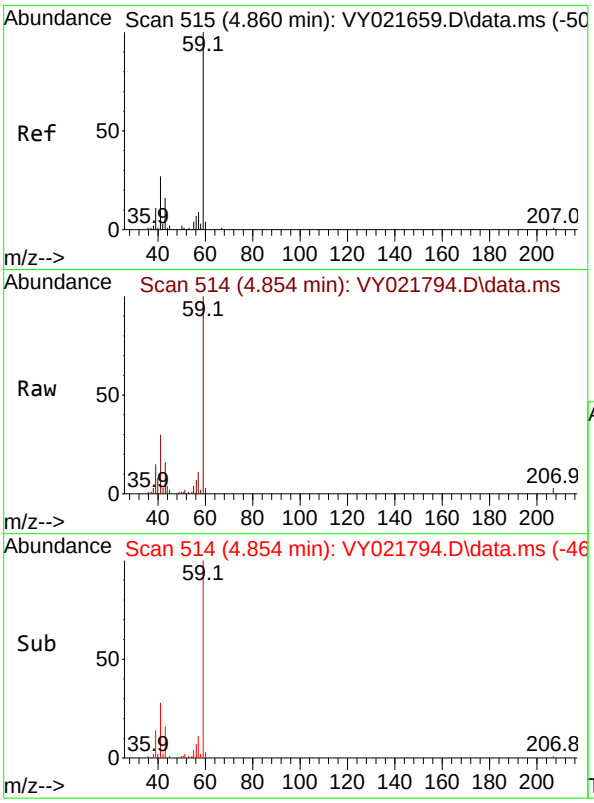


#10
Methyl Iodide
Concen: 49.135 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:142 Resp: 134960

Ion	Ratio	Lower	Upper
142	100		
127	48.6	38.7	58.1
141	14.9	11.5	17.3



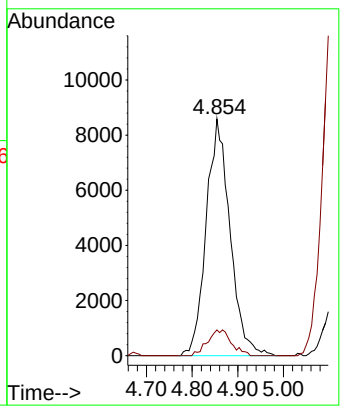


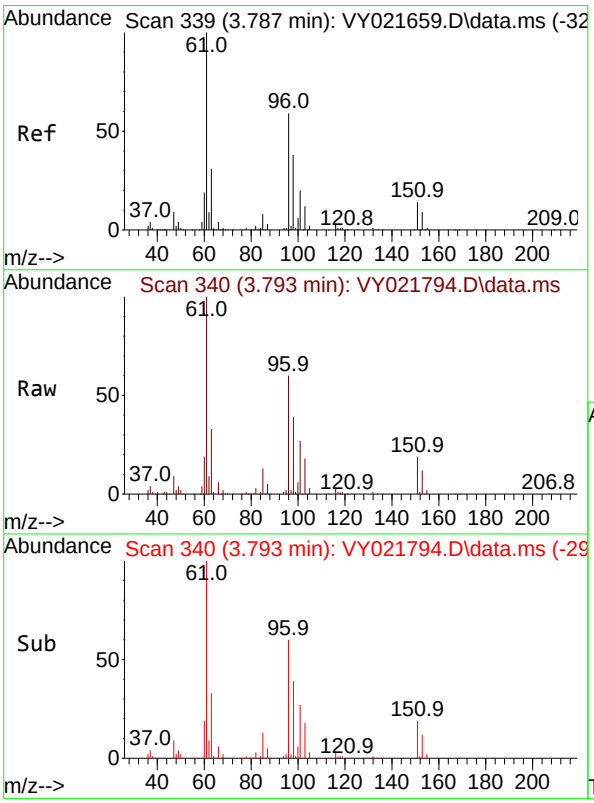
#11
Tert butyl alcohol
Concen: 196.563 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 31101

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.2	13.8

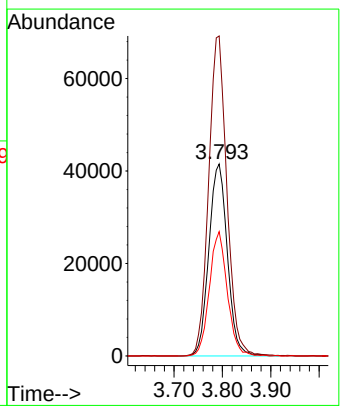


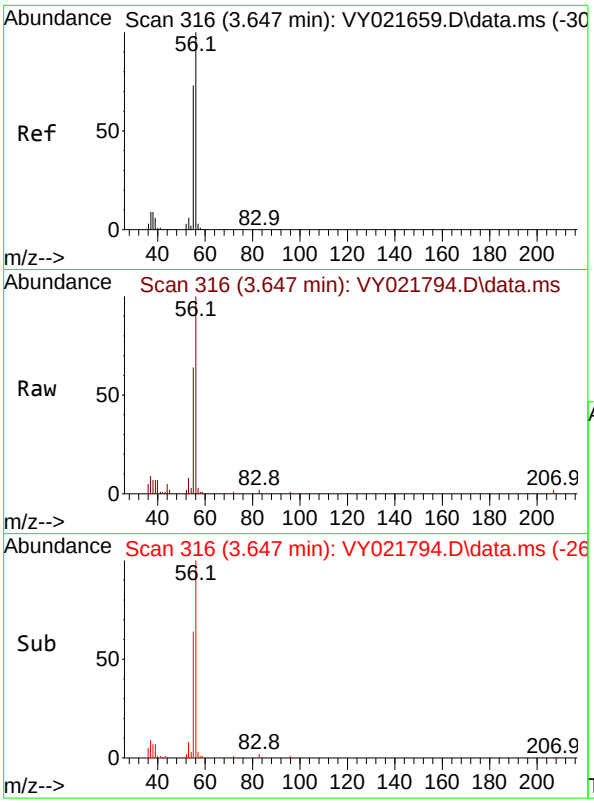


#12
1,1-Dichloroethene
Concen: 46.887 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 96 Resp: 110572

Ion	Ratio	Lower	Upper
96	100		
61	166.7	136.6	204.8
98	64.7	52.3	78.5



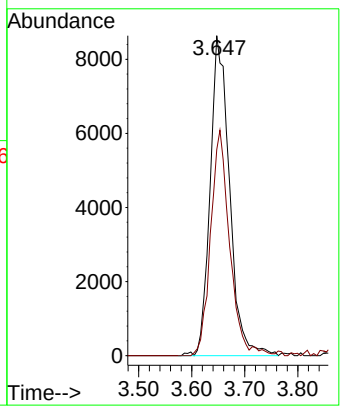


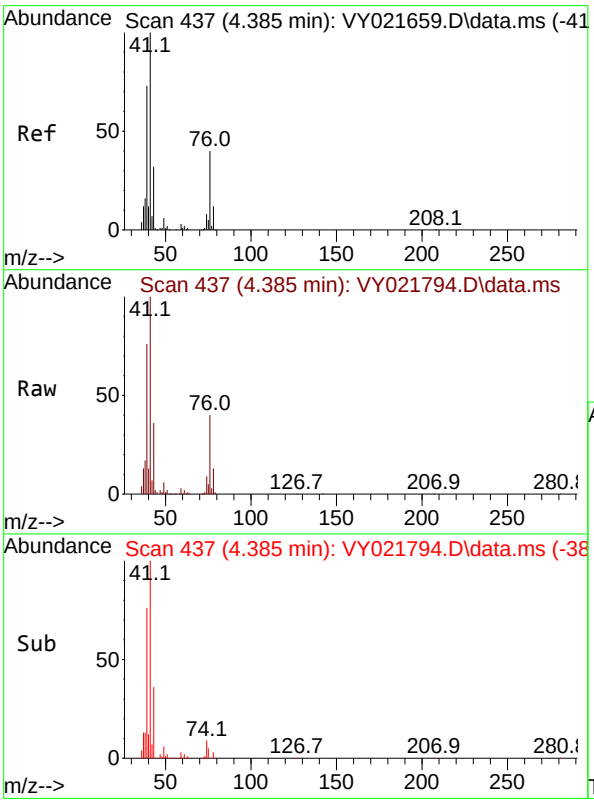
#13
Acrolein
Concen: 75.813 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 21903

Ion	Ratio	Lower	Upper
56	100		
55	69.3	56.6	85.0

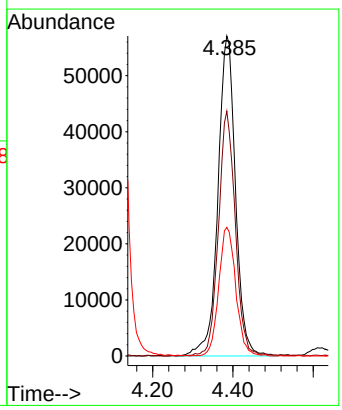


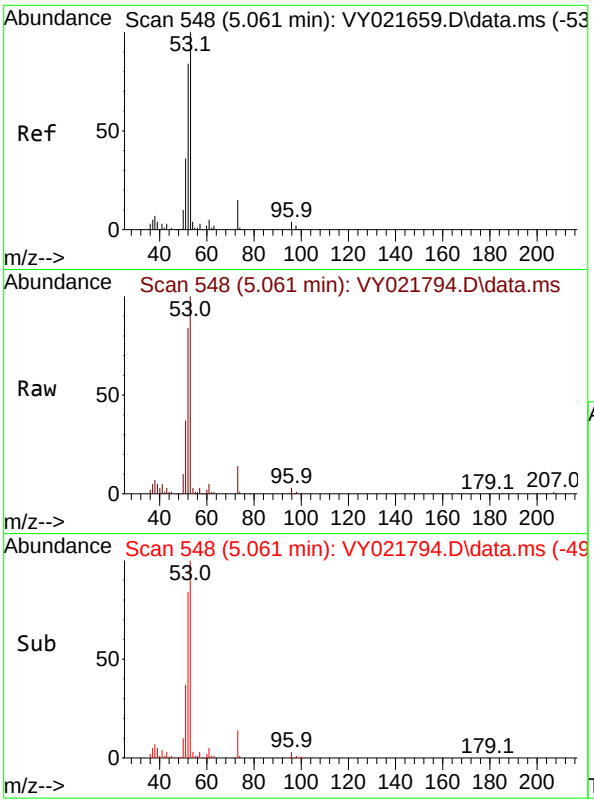


#14
Allyl chloride
Concen: 46.193 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 41 Resp: 173690

Ion	Ratio	Lower	Upper
41	100		
39	73.3	58.6	88.0
76	39.1	30.3	45.5



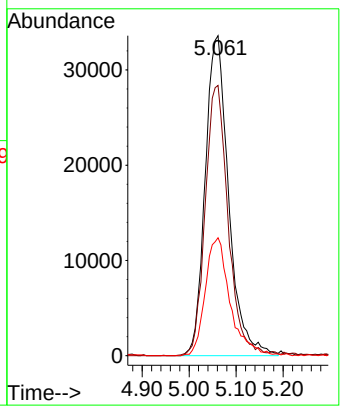


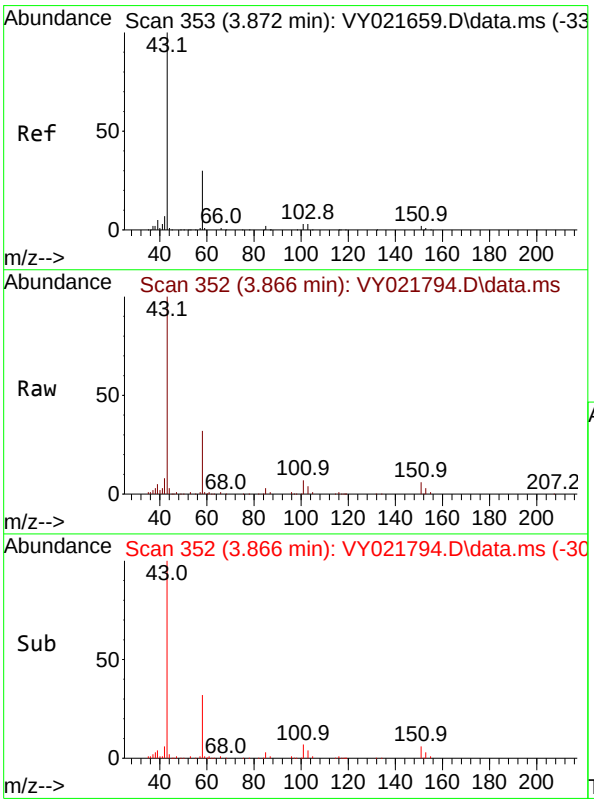
#15
Acrylonitrile
Concen: 215.889 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 116368

Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.9	97.3
51	39.1	30.2	45.2

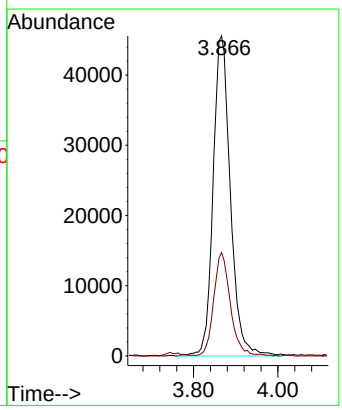


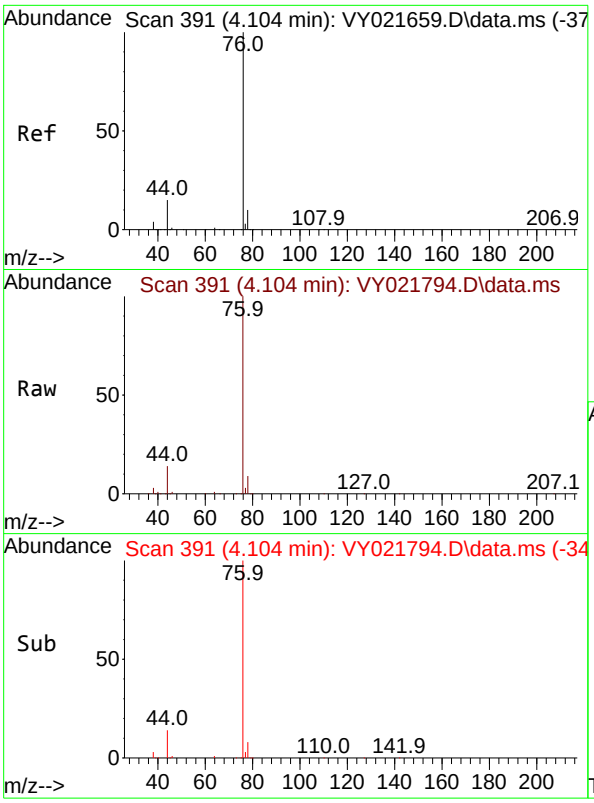


#16
Acetone
Concen: 259.165 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 129207

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.2	36.4



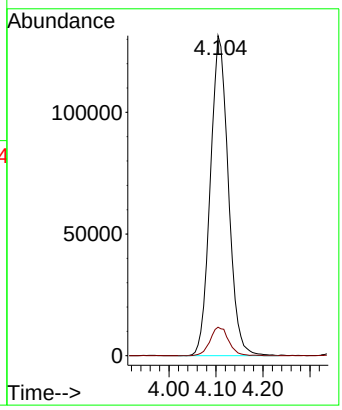


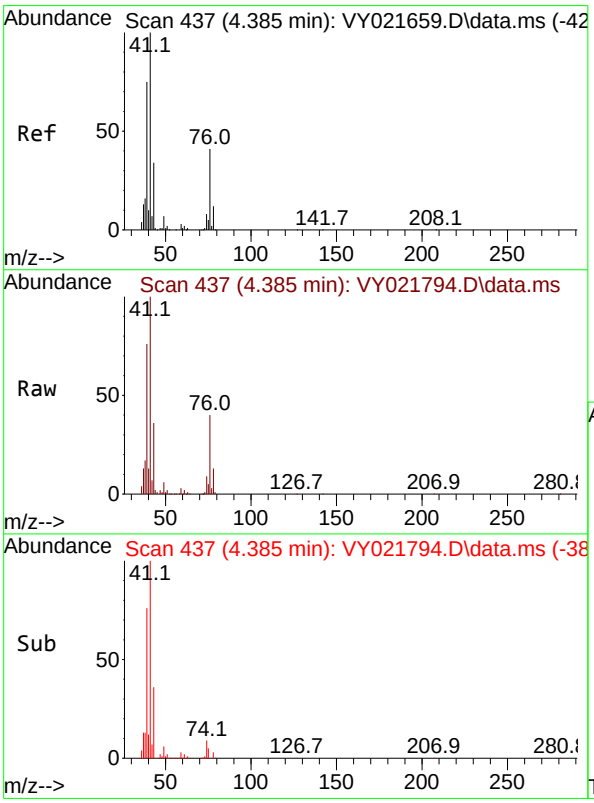
#17
Carbon Disulfide
Concen: 45.073 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 350105

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

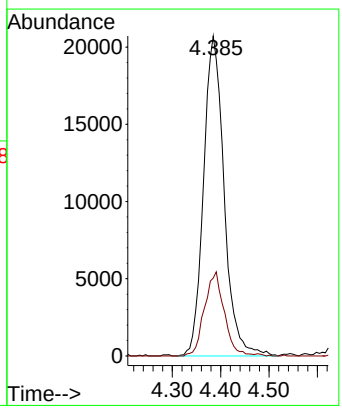


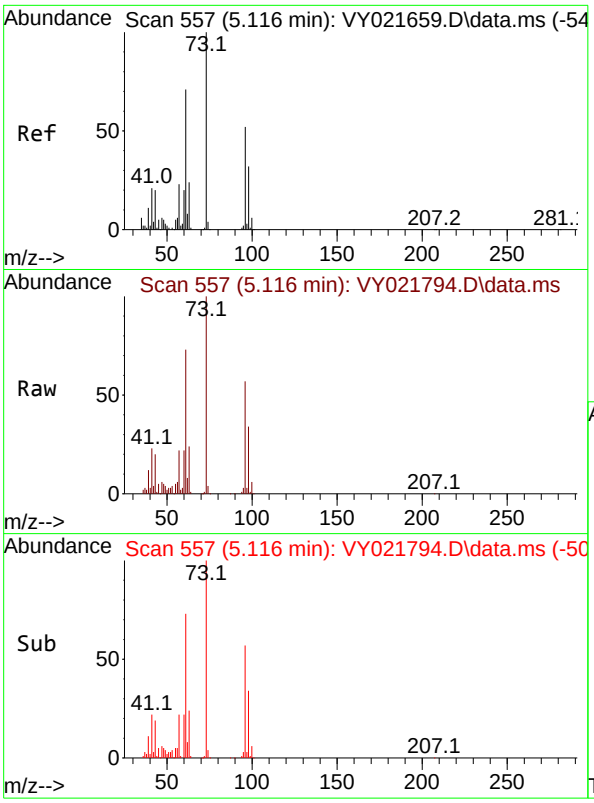


#18
Methyl Acetate
Concen: 49.589 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 61273

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.1	28.7



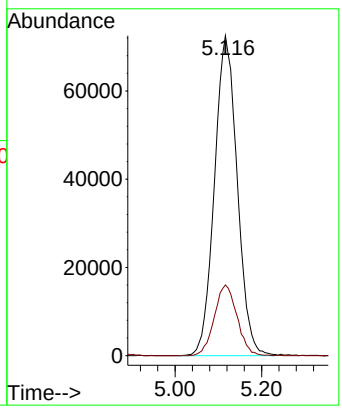


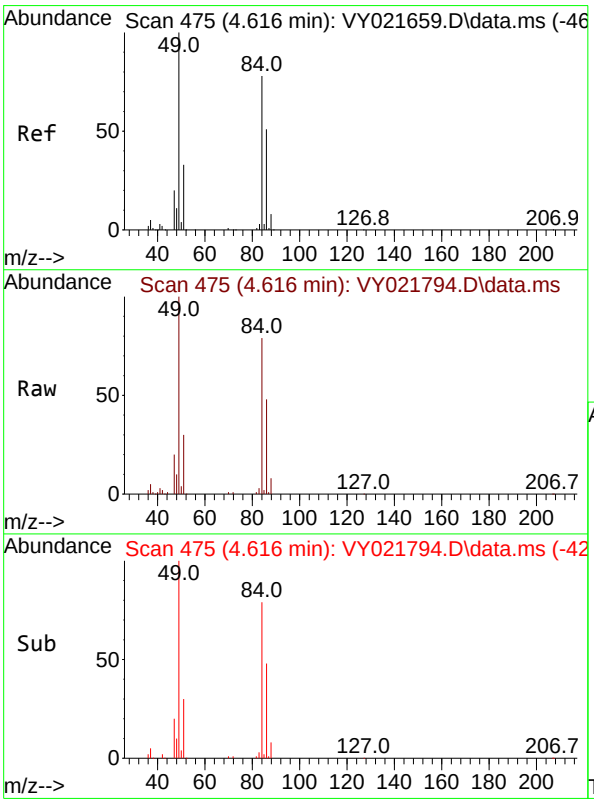
#19
Methyl tert-butyl Ether
Concen: 45.133 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 264988

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.1	27.1

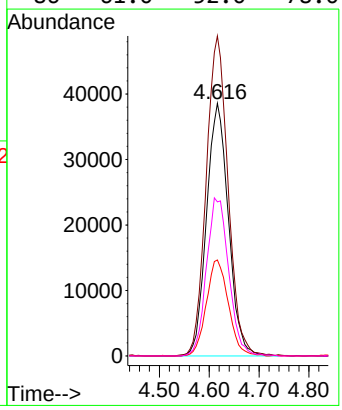


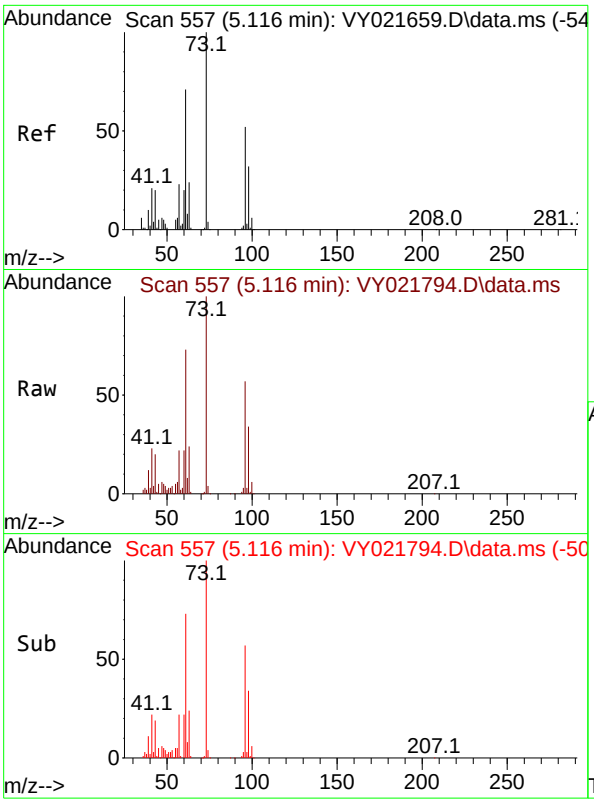


#20
Methylene Chloride
Concen: 48.120 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 84 Resp: 117747

Ion	Ratio	Lower	Upper
84	100		
49	126.4	102.8	154.2
51	38.0	33.5	50.3
86	61.0	52.0	78.0



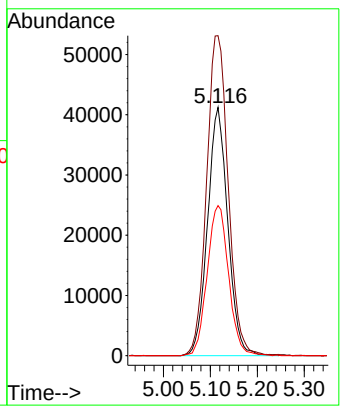


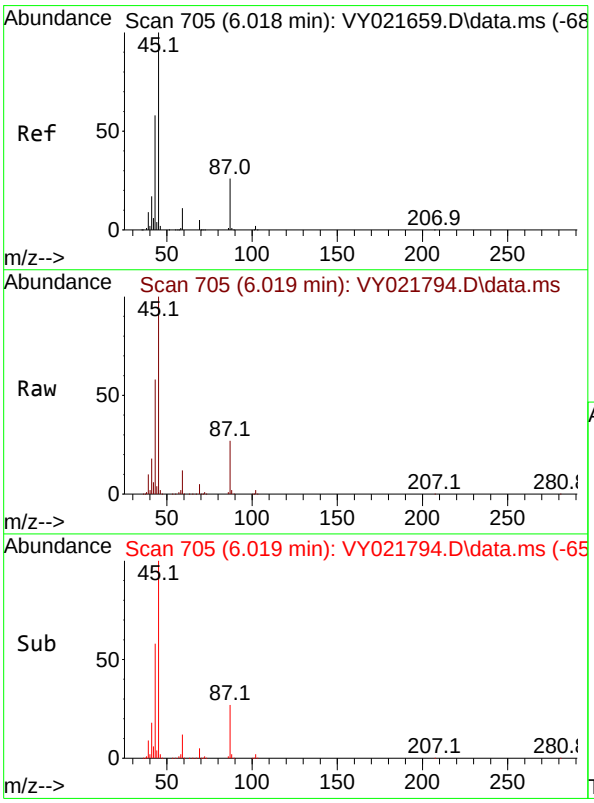
#21
trans-1,2-Dichloroethene
Concen: 47.466 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 123247

Ion	Ratio	Lower	Upper
96	100		
61	128.9	109.4	164.0
98	60.4	50.2	75.2

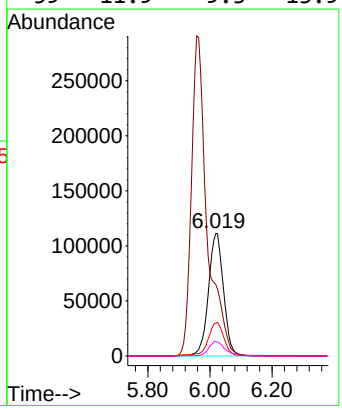


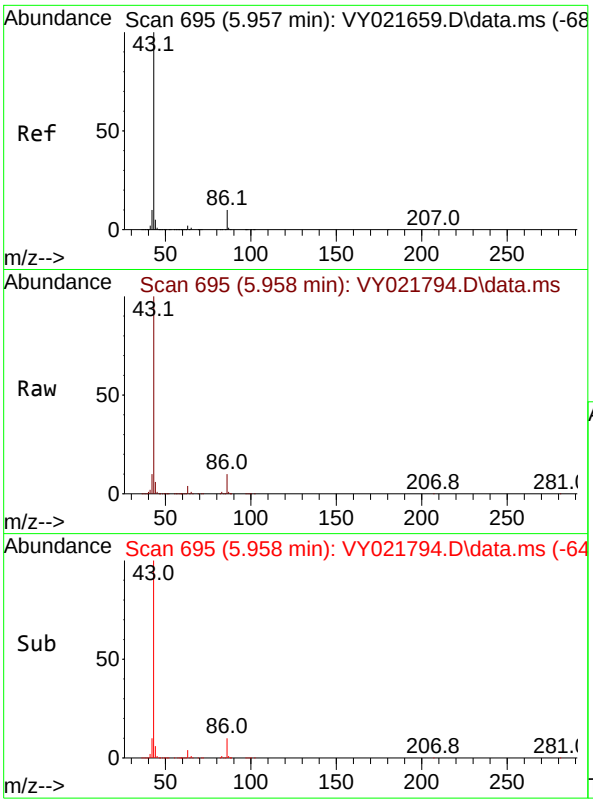


#22
Diisopropyl ether
Concen: 47.619 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 45 Resp: 375600

Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.6	69.8
87	26.8	20.7	31.1
59	11.9	9.3	13.9



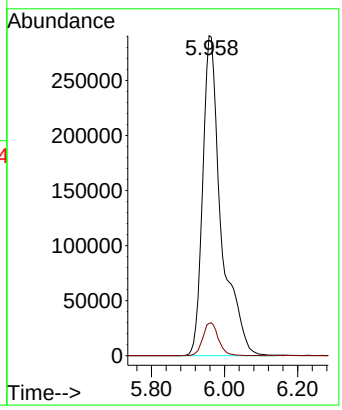


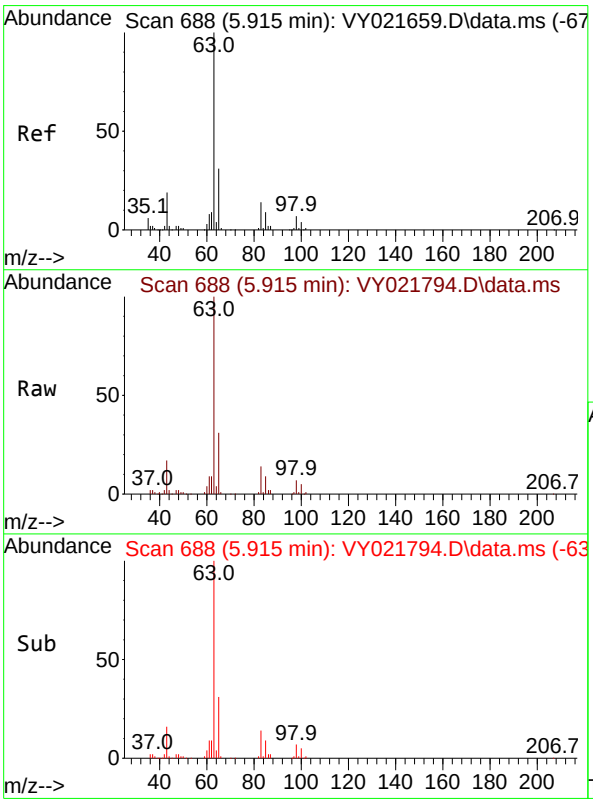
#23
Vinyl Acetate
Concen: 220.822 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1018936

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2

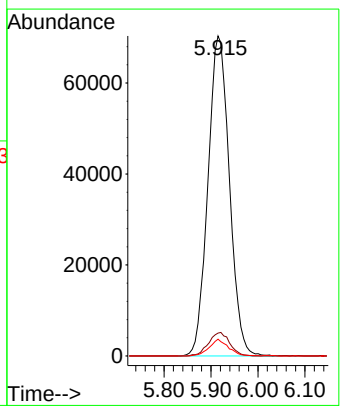


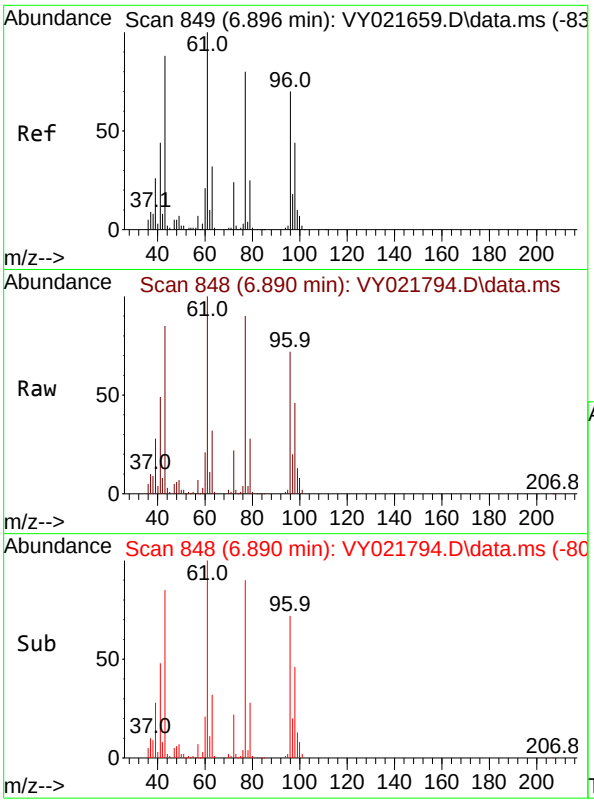


#24
1,1-Dichloroethane
Concen: 47.347 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 223308

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	5.3	2.2	6.6



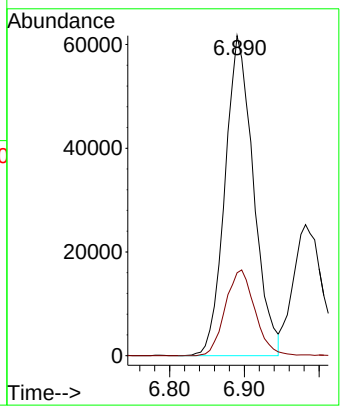


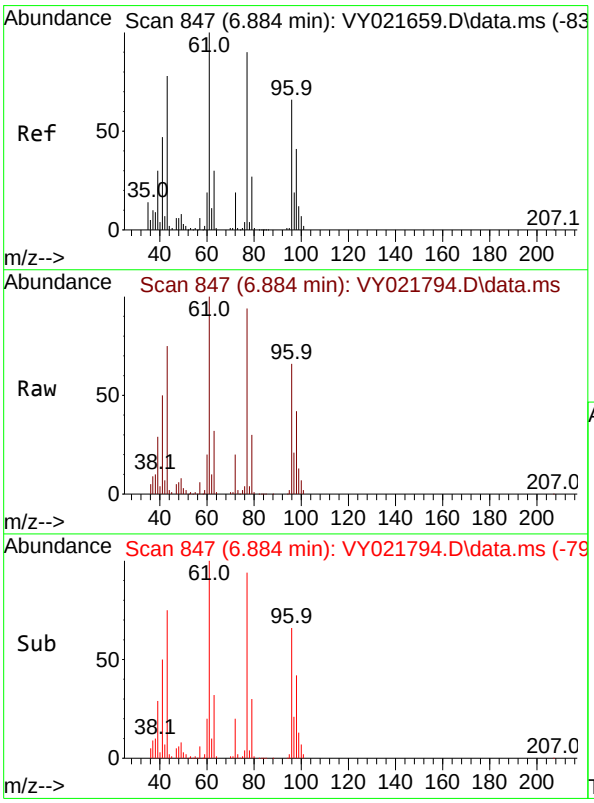
#25
2-Butanone
Concen: 229.196 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 163207

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.2

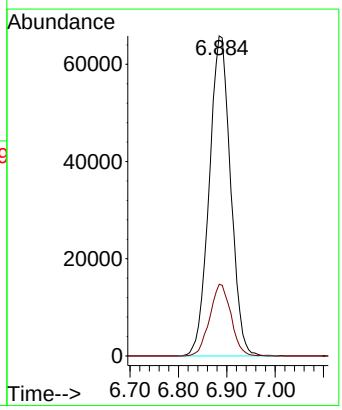


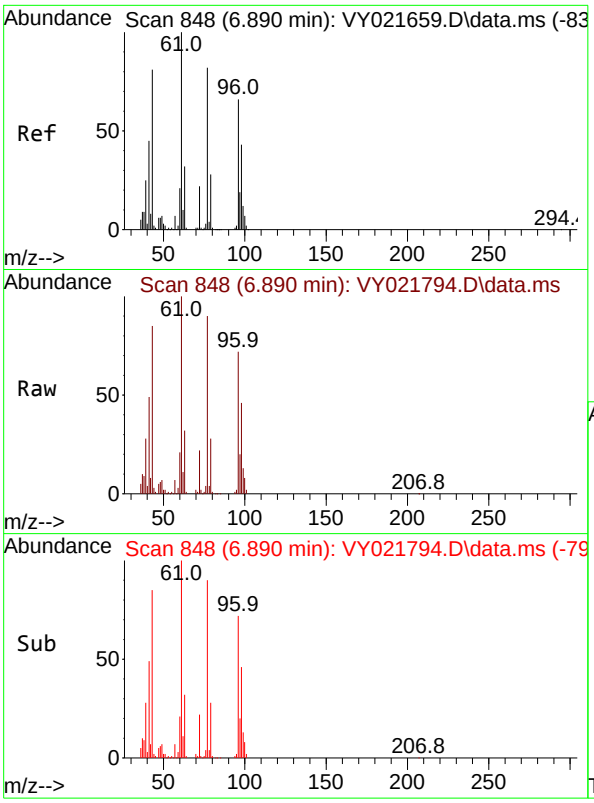


#26
2,2-Dichloropropane
Concen: 48.250 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 77 Resp: 202427

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.1	33.1



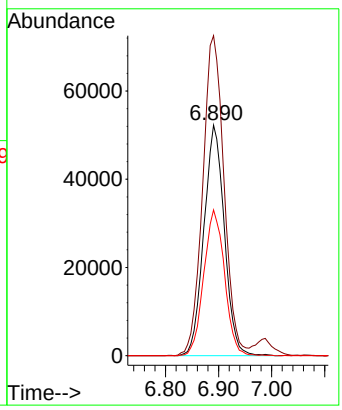


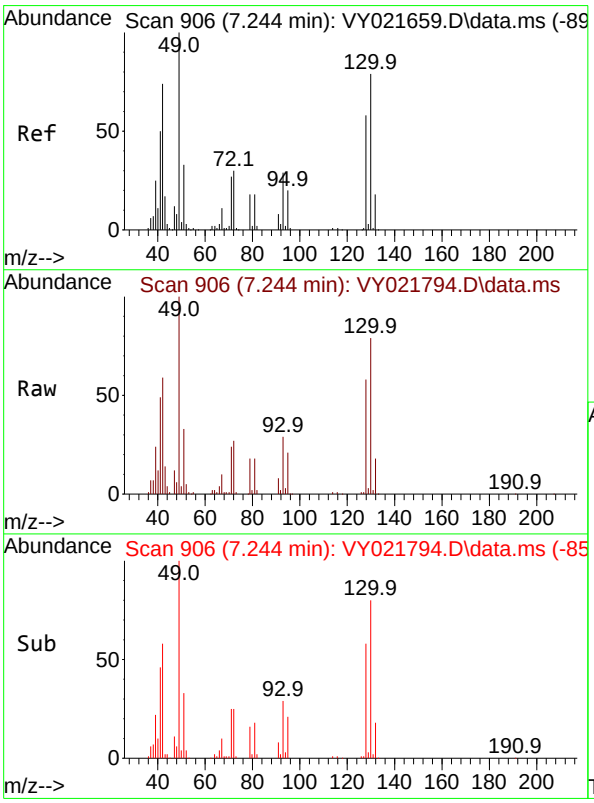
#27
cis-1,2-Dichloroethene
Concen: 47.992 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 140137

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	296.4
98	64.1	0.0	128.0

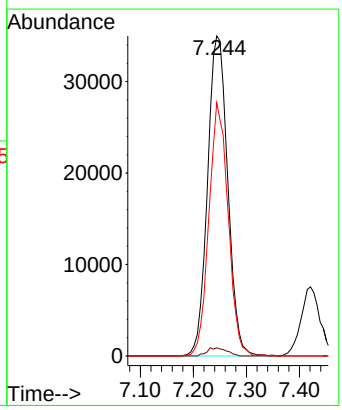


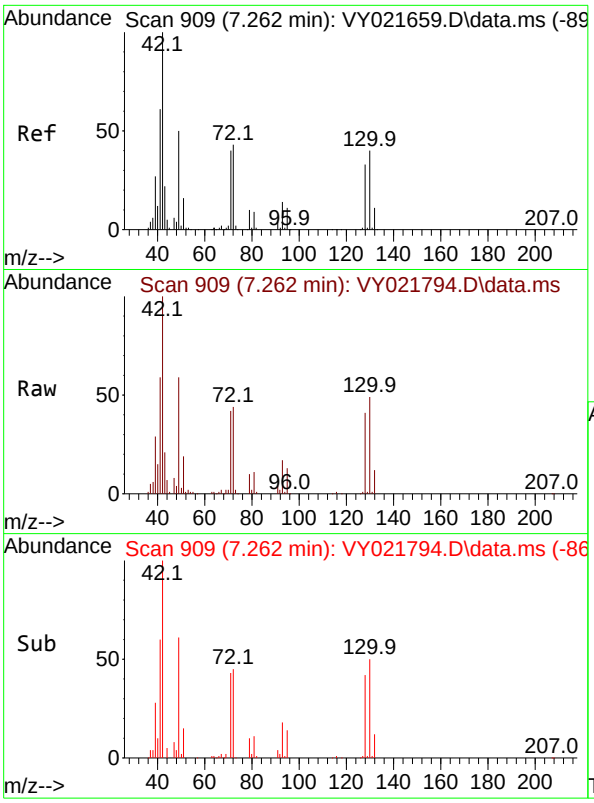


#28
Bromochloromethane
Concen: 46.536 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 49 Resp: 92565

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	75.2	60.1	90.1



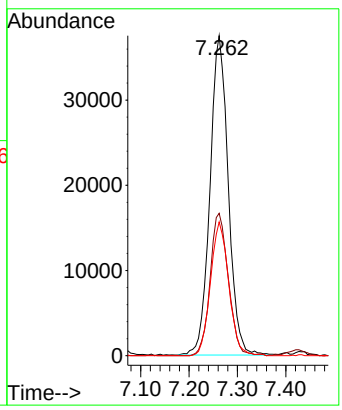


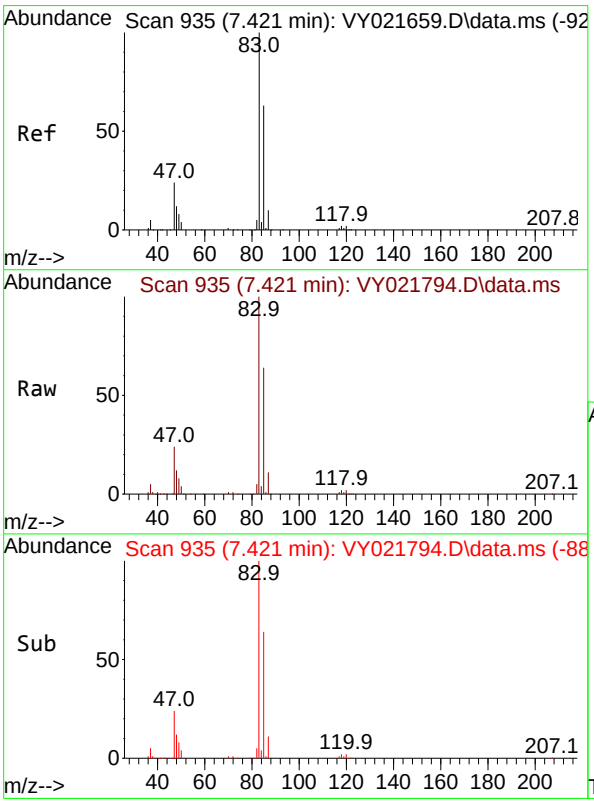
#29
Tetrahydrofuran
Concen: 215.053 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 98557

Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	41.9	32.5	48.7

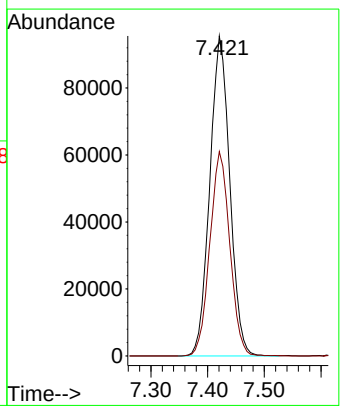


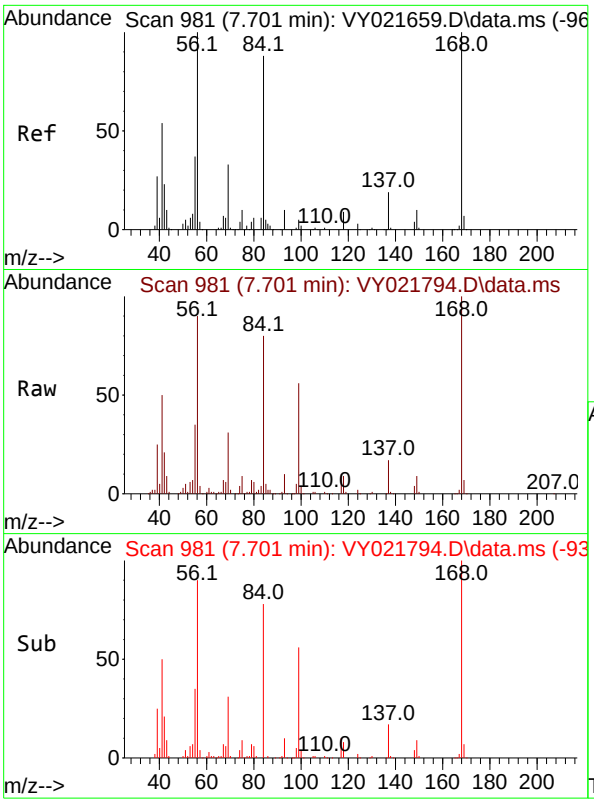


#30
Chloroform
Concen: 47.595 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 83 Resp: 233479

Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8



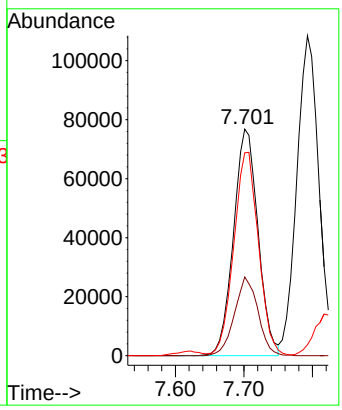


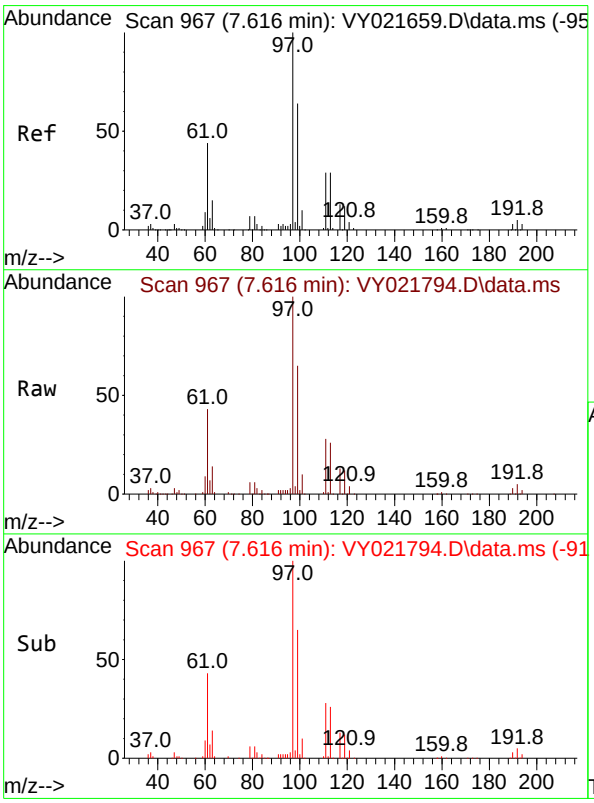
#31
Cyclohexane
Concen: 44.546 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 191520

Ion	Ratio	Lower	Upper
56	100		
69	34.7	26.6	40.0
84	88.4	69.0	103.4

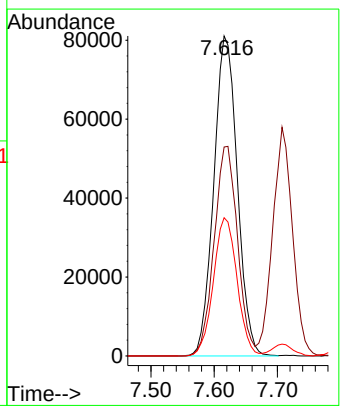


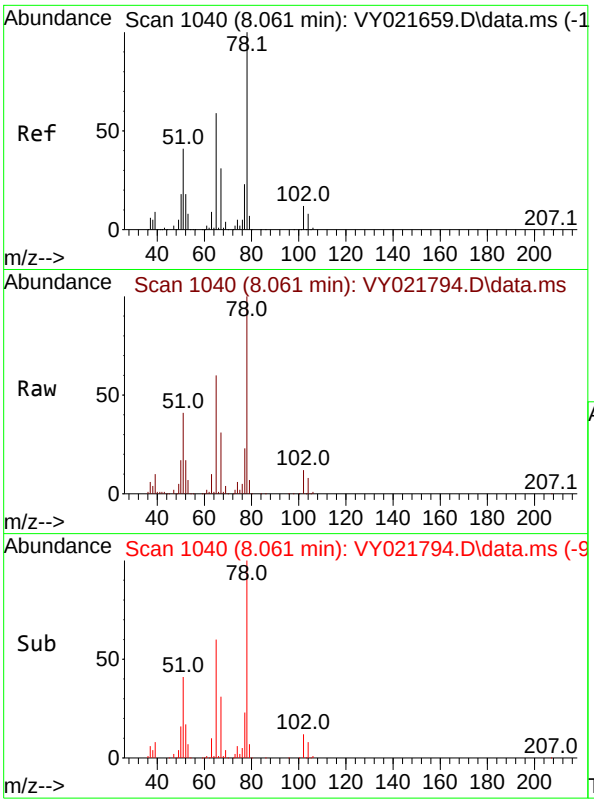


#32
1,1,1-Trichloroethane
Concen: 47.227 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 97 Resp: 209391

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.7	76.1
61	43.4	35.2	52.8



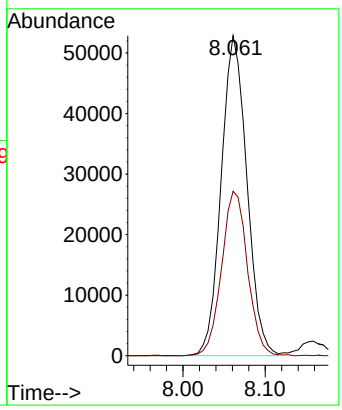


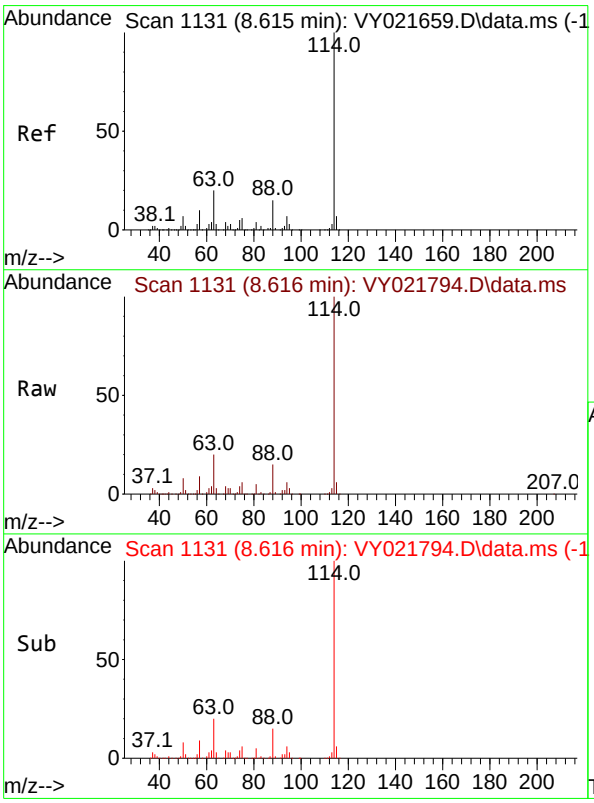
#33
1,2-Dichloroethane-d4
Concen: 47.075 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 114675

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6

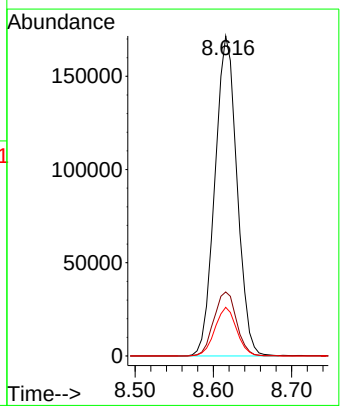


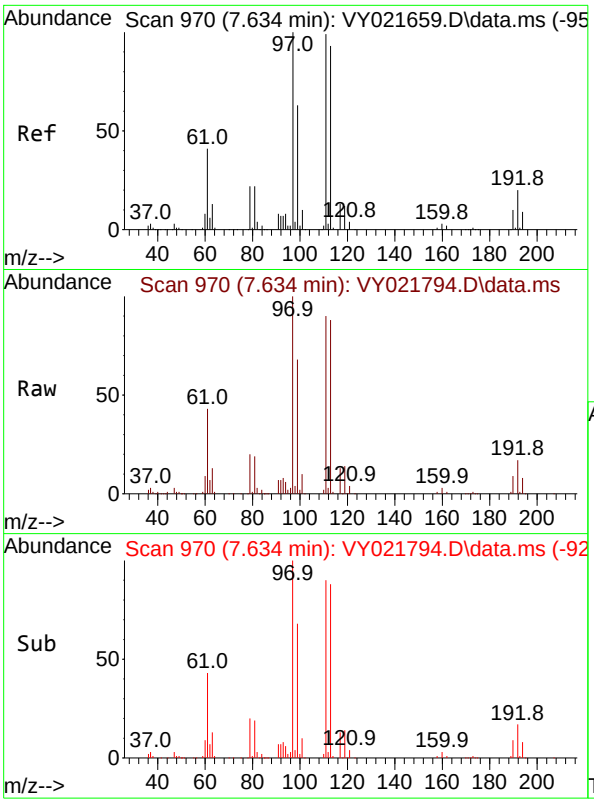


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:114 Resp: 336981

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.2
88	15.2	0.0	29.8



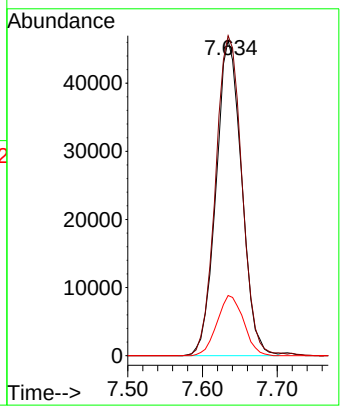


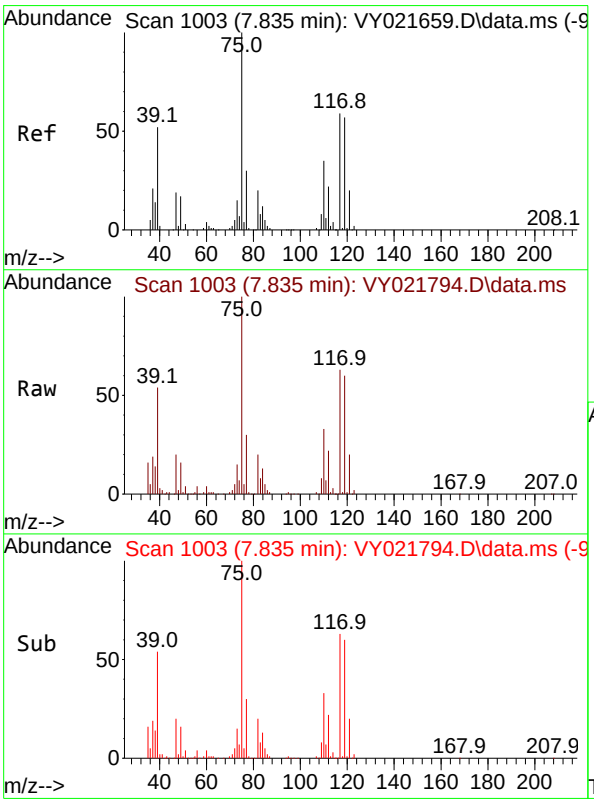
#35
Dibromofluoromethane
Concen: 50.509 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 110409

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	123.8
192	19.7	16.2	24.4

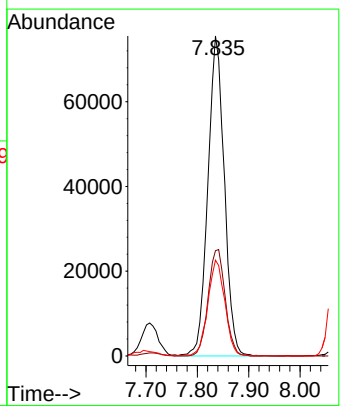


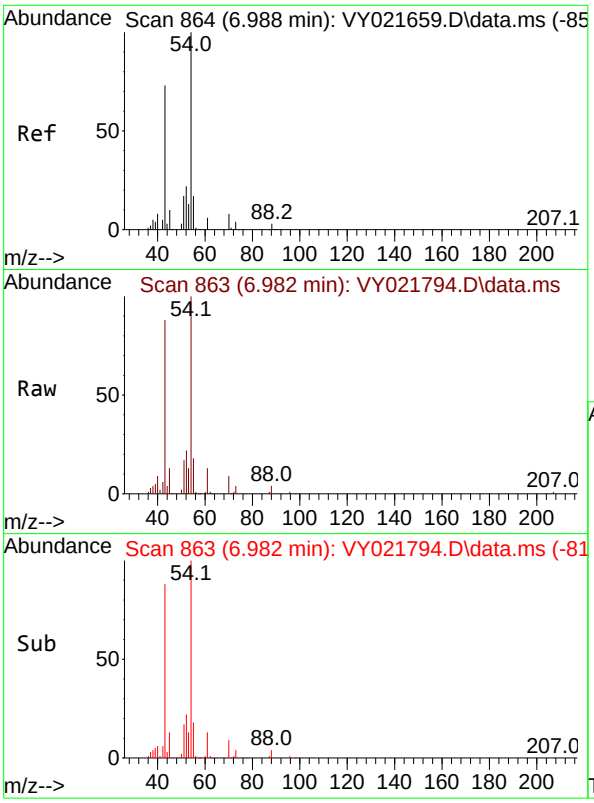


#36
1,1-Dichloropropene
Concen: 50.545 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 168291

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	50.9
77	31.0	24.8	37.2



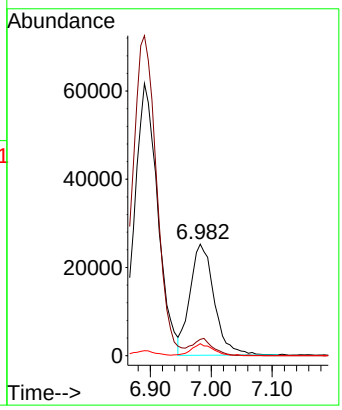


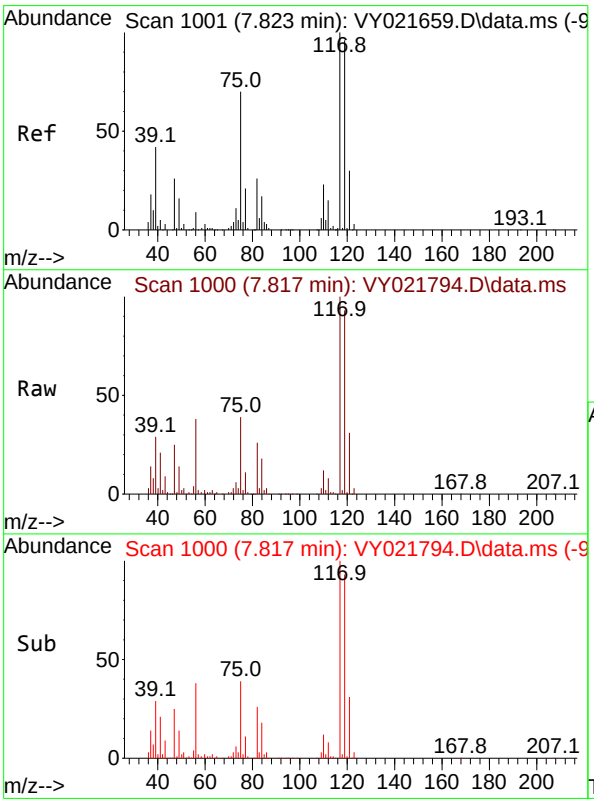
#37
Ethyl Acetate
Concen: 44.251 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 69534

Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.0	16.6
70	9.6	8.1	12.1

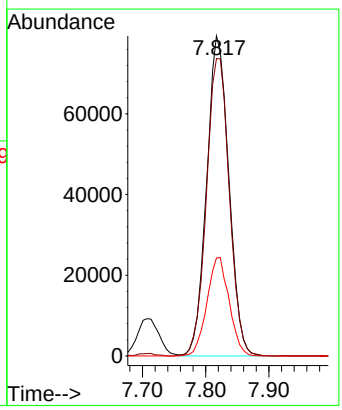


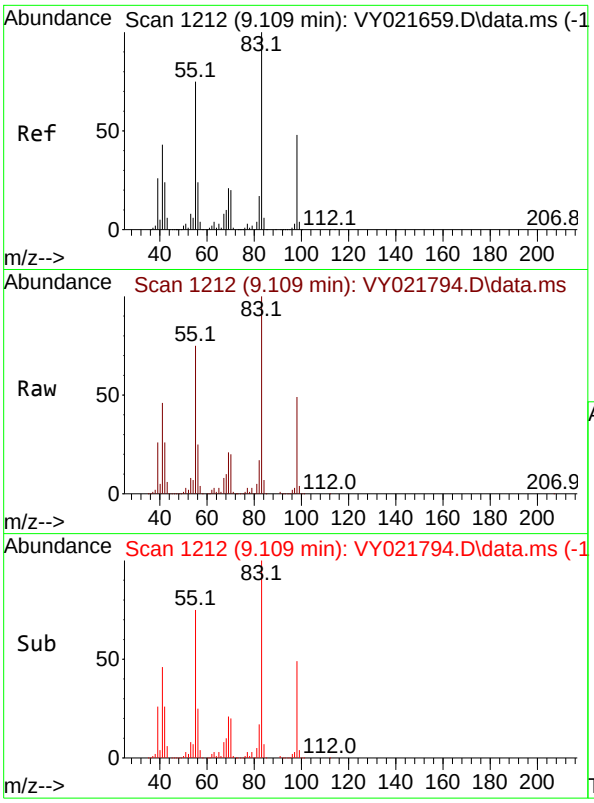


#38
Carbon Tetrachloride
Concen: 50.753 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:117 Resp: 193545

Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.2	114.4
121	30.6	24.2	36.4



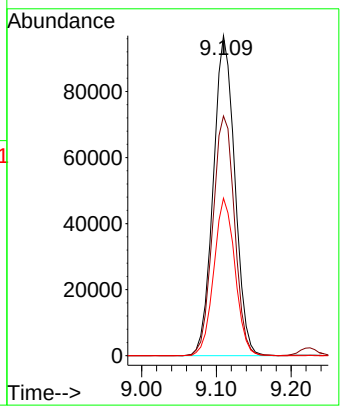


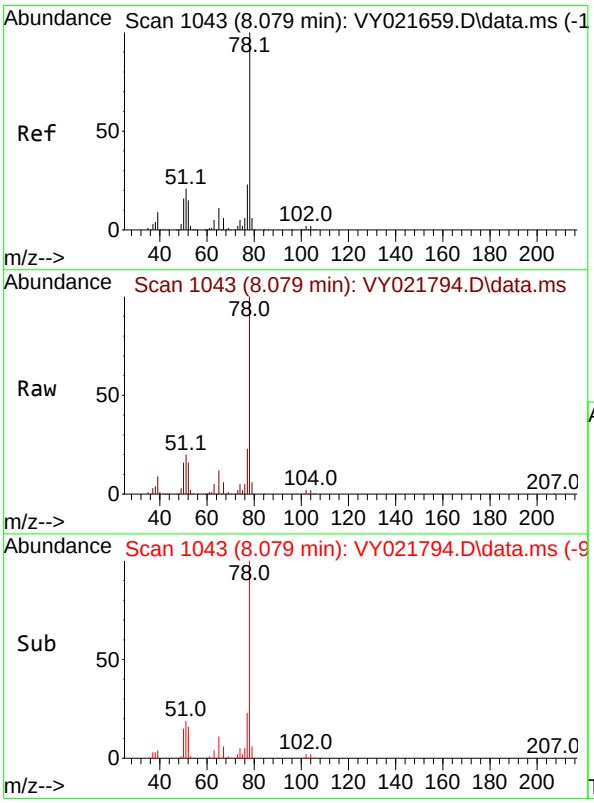
#39
Methylcyclohexane
Concen: 48.886 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 194442

Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.7	89.5
98	49.2	38.3	57.5

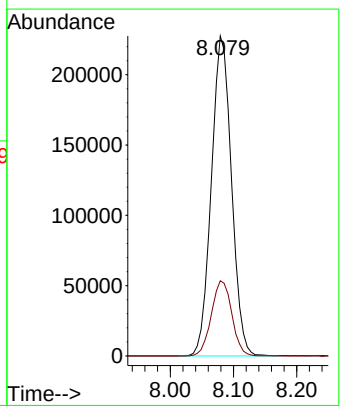


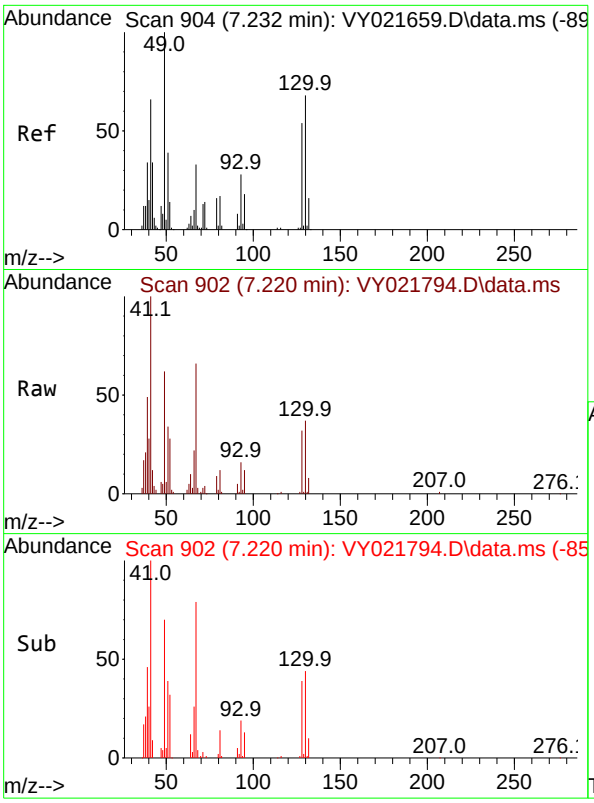


#40
Benzene
Concen: 50.325 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 78 Resp: 501796

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



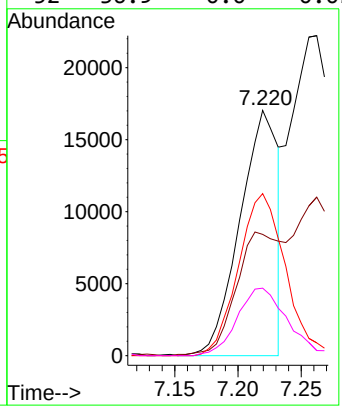


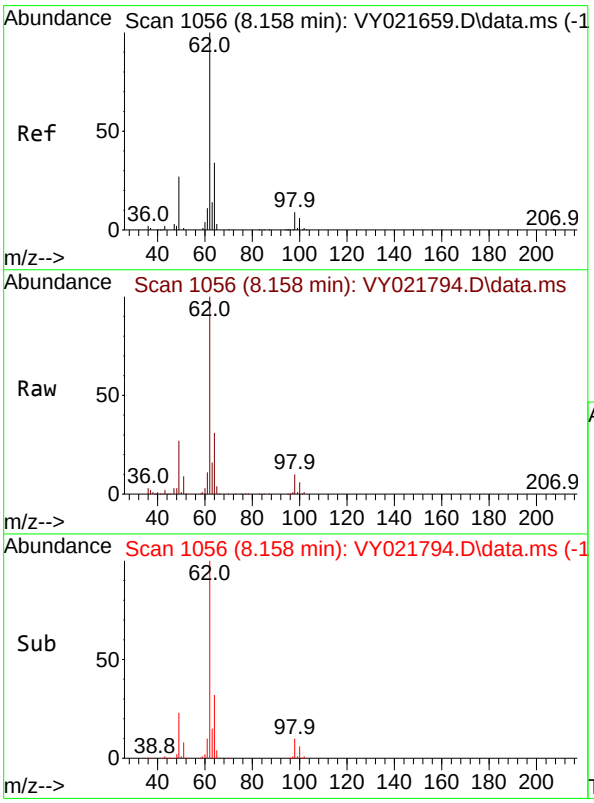
#41
Methacrylonitrile
Concen: 42.682 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 35618

Ion	Ratio	Lower	Upper
41	100		
39	63.4	0.0	0.0#
67	81.7	0.0	0.0#
52	36.9	0.0	0.0#

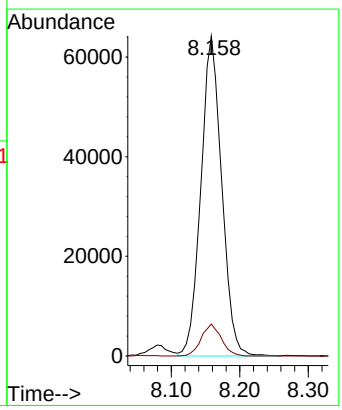


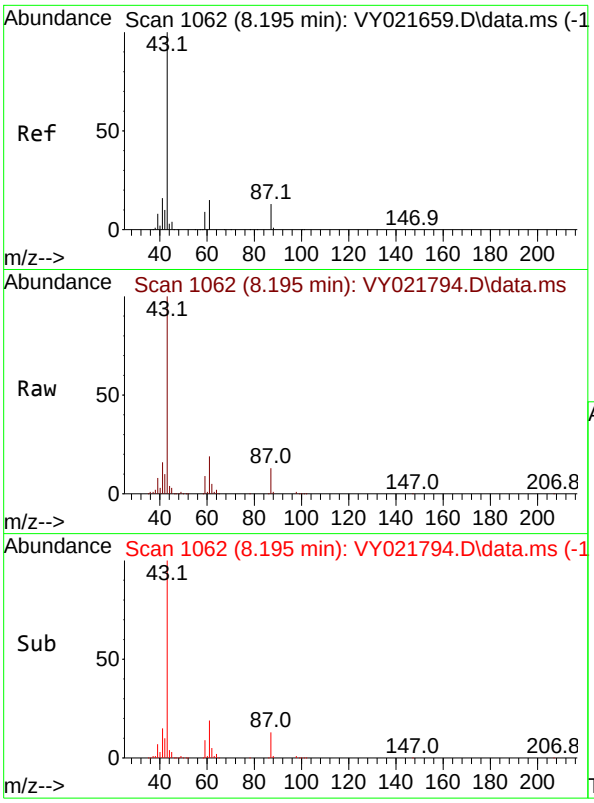


#42
1,2-Dichloroethane
Concen: 48.260 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 62 Resp: 135660

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



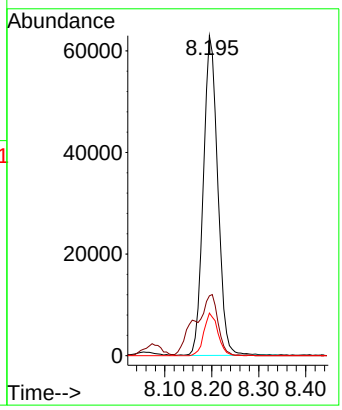


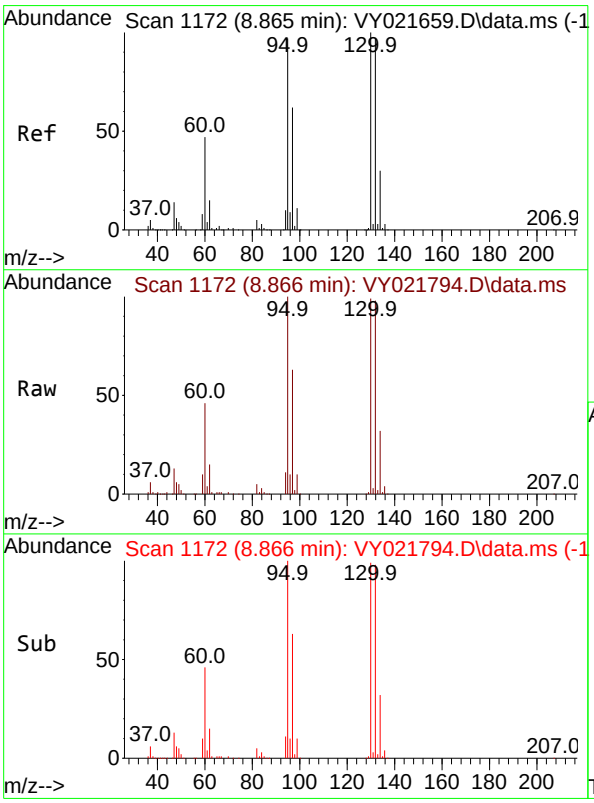
#43
Isopropyl Acetate
Concen: 44.885 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 133660

Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.9	23.9#
87	13.0	10.4	15.6

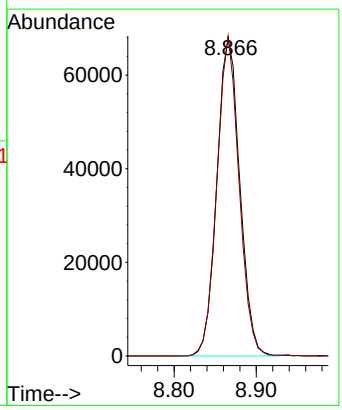


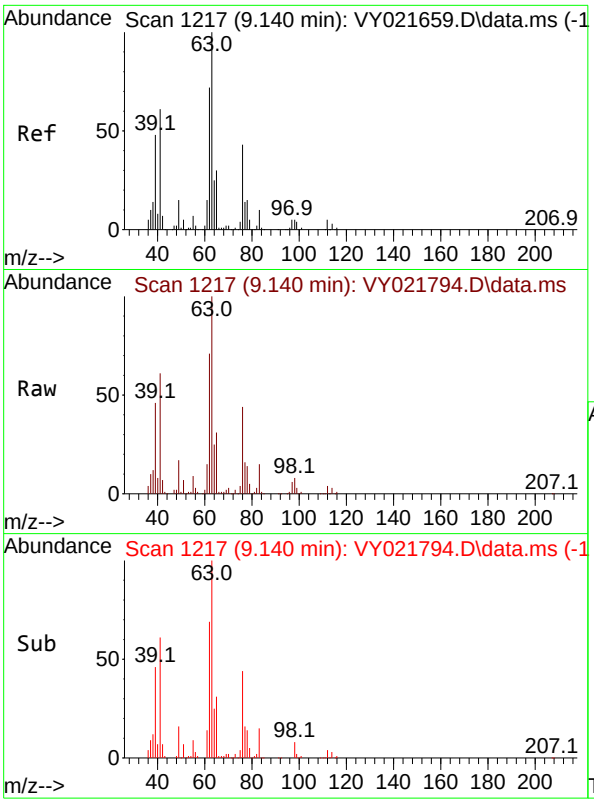


#44
Trichloroethene
Concen: 51.817 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:130 Resp: 131643

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	194.8



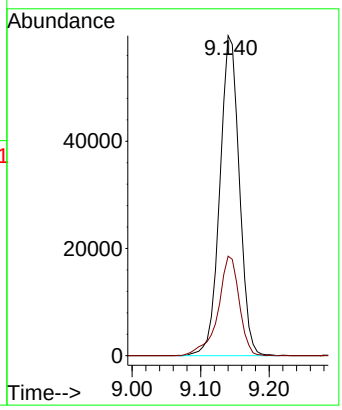


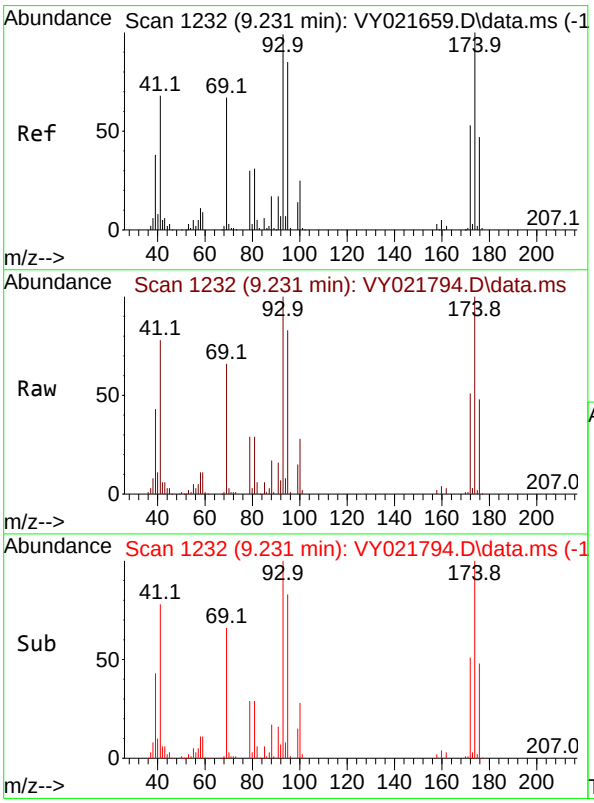
#45
1,2-Dichloropropane
Concen: 49.831 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 117612

Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.4	36.6

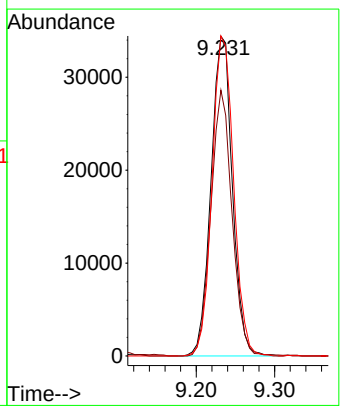


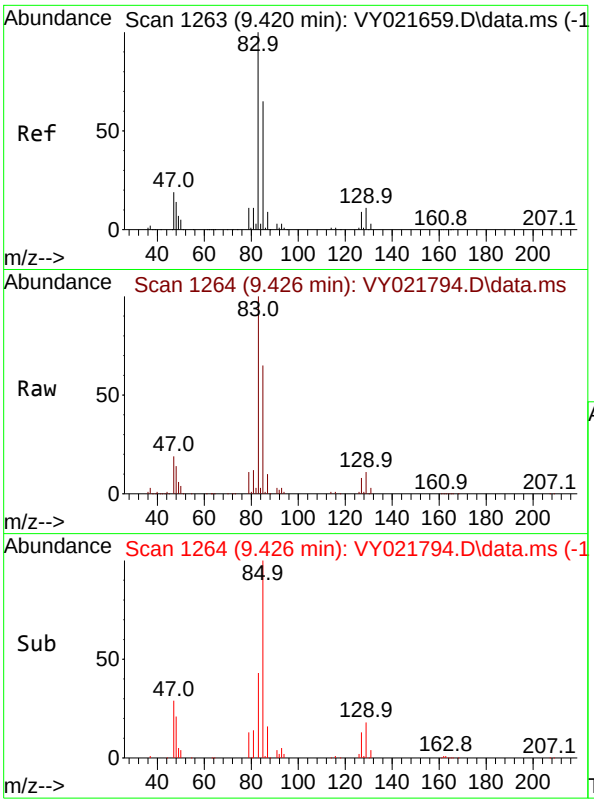


#46
Dibromomethane
Concen: 48.034 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 93 Resp: 65338

Ion	Ratio	Lower	Upper
93	100		
95	82.2	68.1	102.1
174	100.8	80.9	121.3



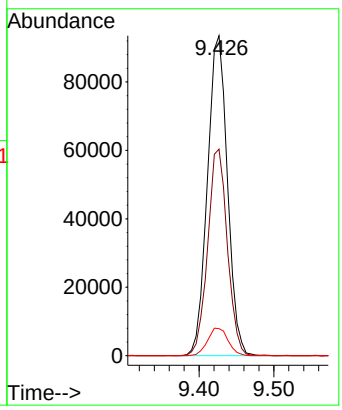


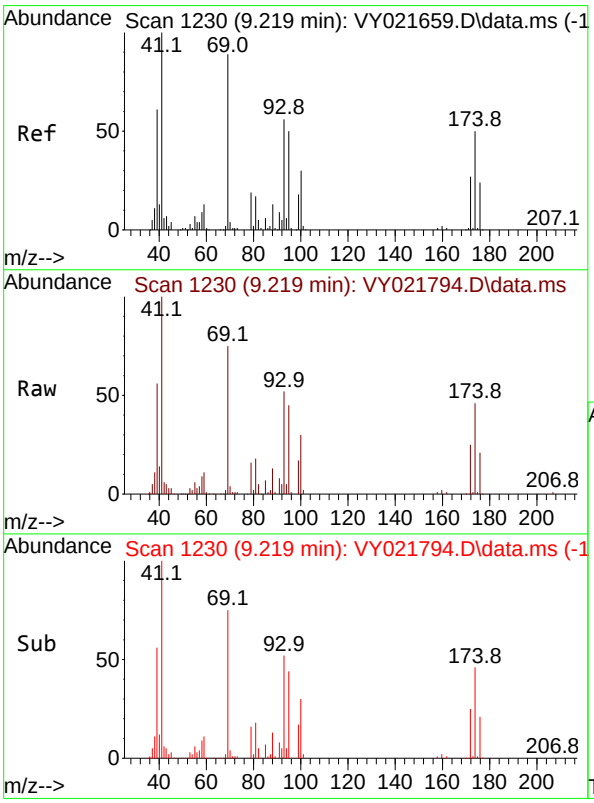
#47
Bromodichloromethane
Concen: 49.419 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 174186

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.5	6.8	10.2

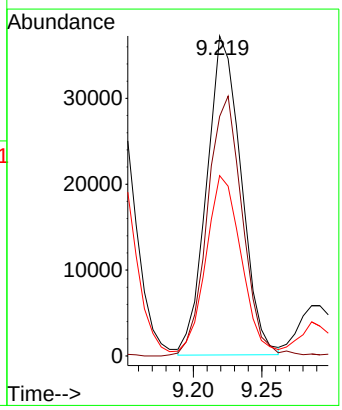


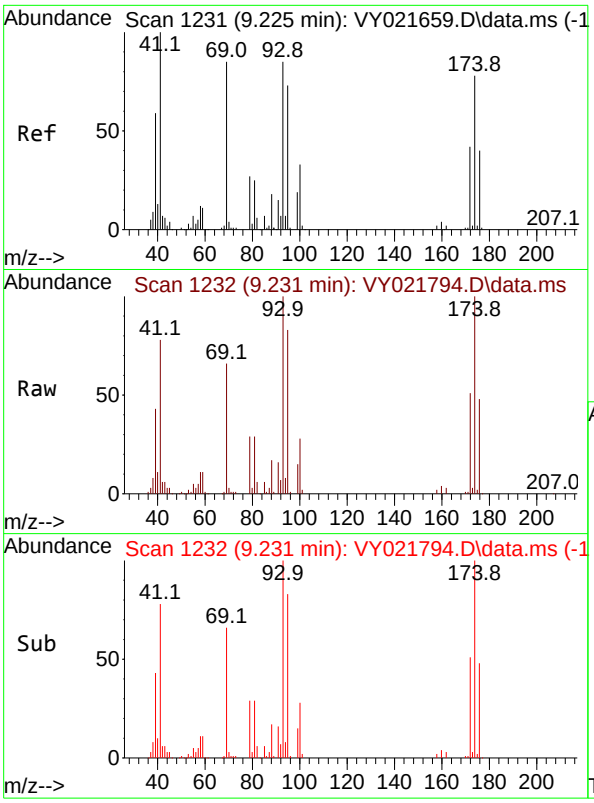


#48
Methyl methacrylate
Concen: 47.453 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 41 Resp: 64853

Ion	Ratio	Lower	Upper
41	100		
69	83.0	69.8	104.8
39	55.7	47.2	70.8



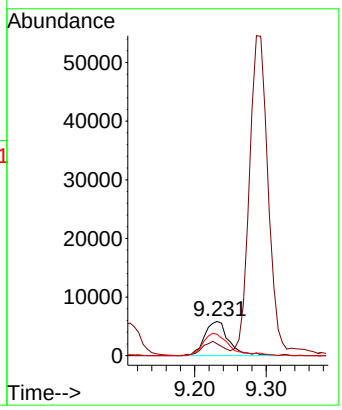


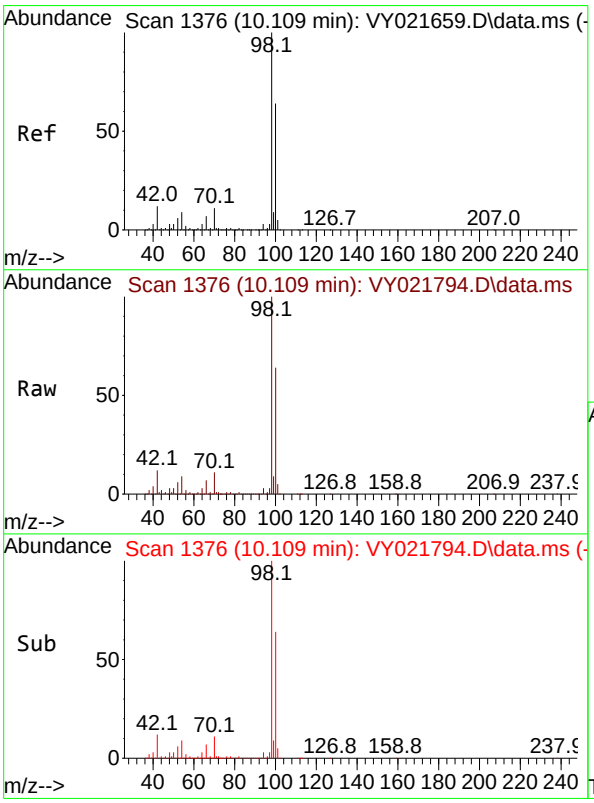
#49
1,4-Dioxane
Concen: 936.467 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 13646

Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.8	43.2
58	68.3	59.4	89.2

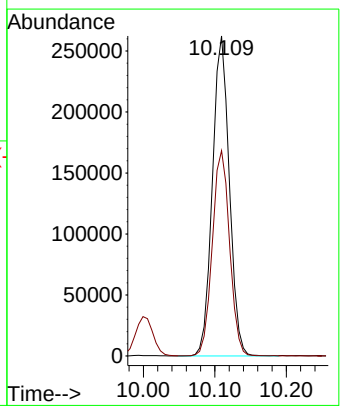


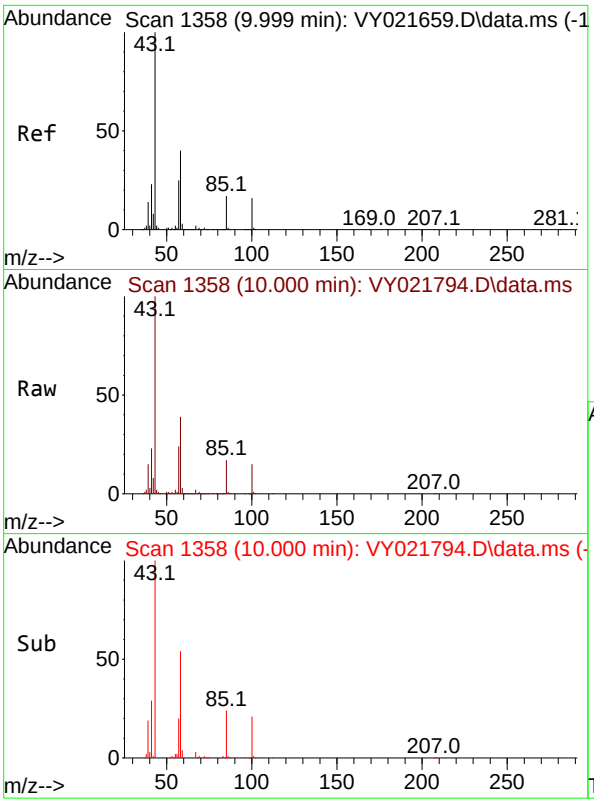


#50
Toluene-d8
Concen: 51.740 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 98 Resp: 430269

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1



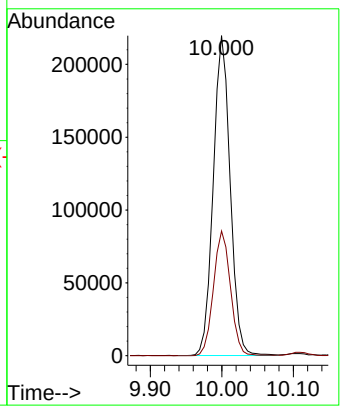


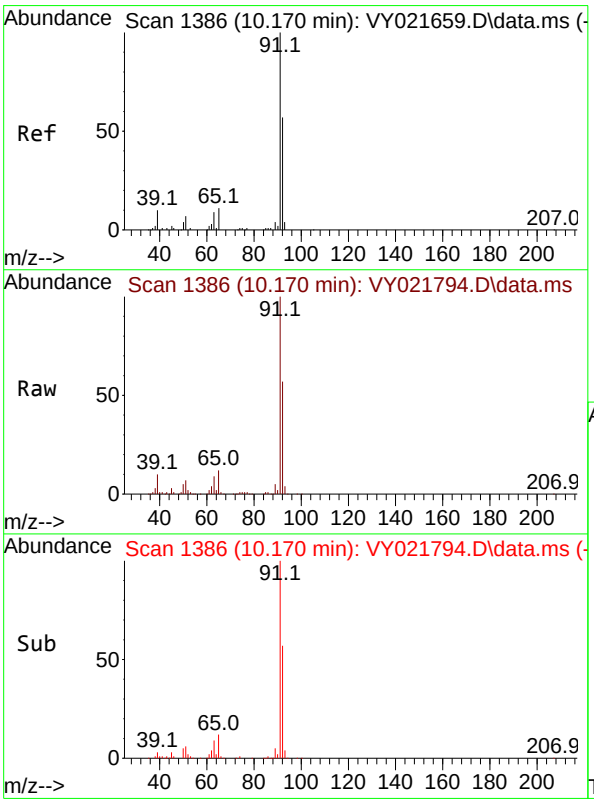
#51
4-Methyl-2-Pentanone
Concen: 232.887 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 360893

Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.5	47.3

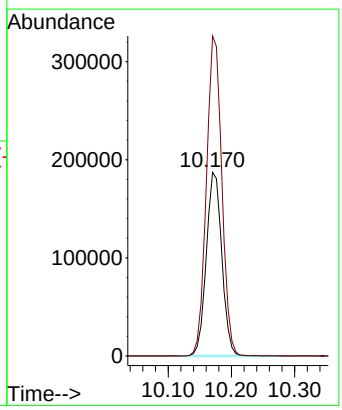


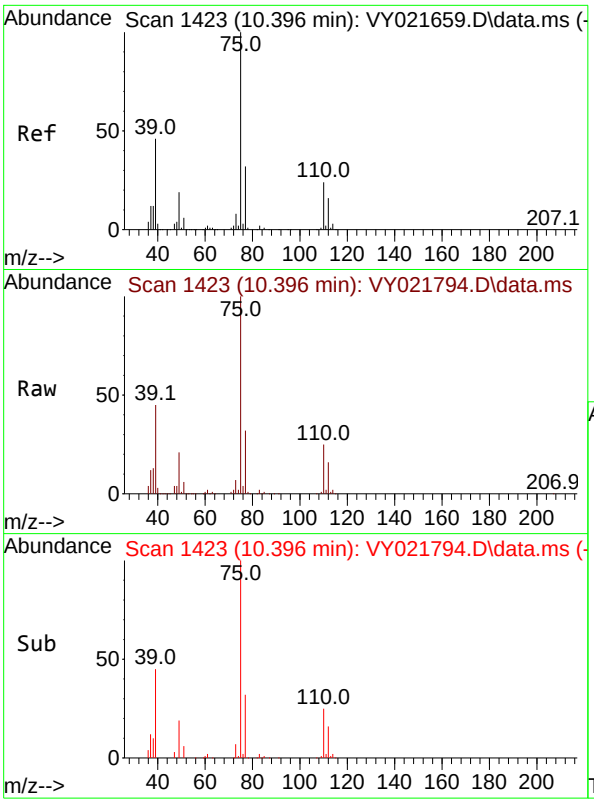


#52
Toluene
Concen: 51.304 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 92 Resp: 319169

Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.6	207.8



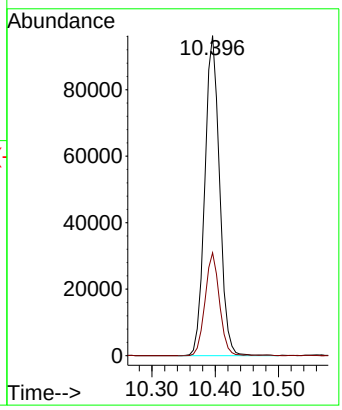


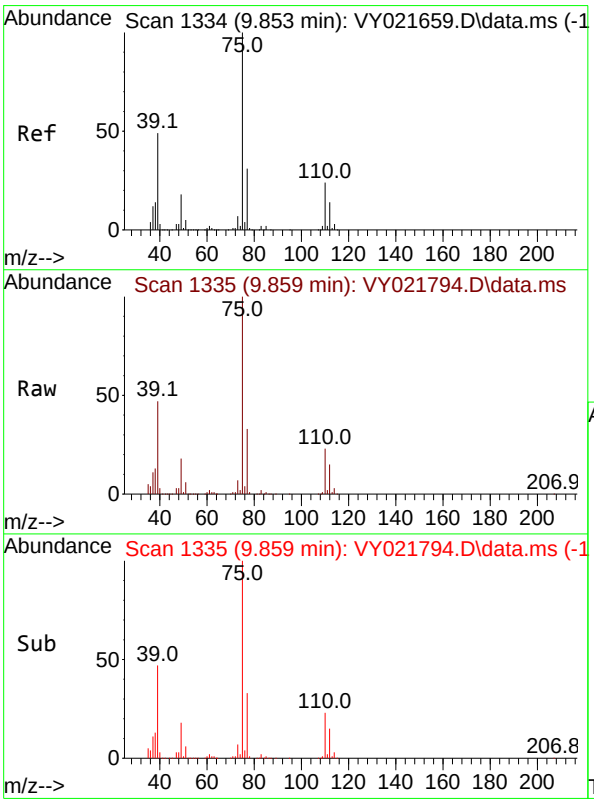
#53
t-1,3-Dichloropropene
Concen: 49.804 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 155920

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9

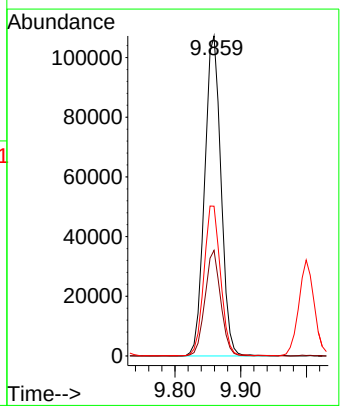


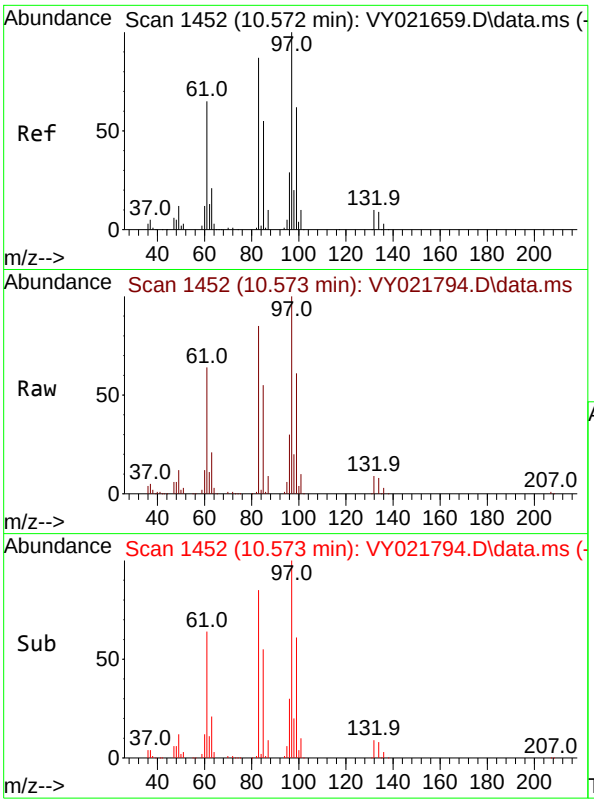


#54
cis-1,3-Dichloropropene
Concen: 50.219 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 185476

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.9	37.3
39	46.7	39.2	58.8



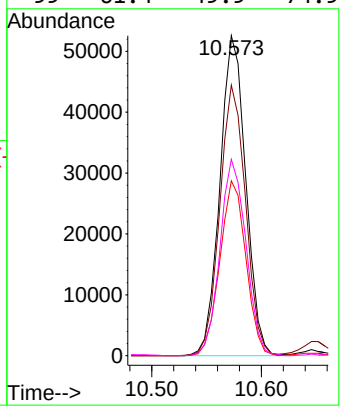


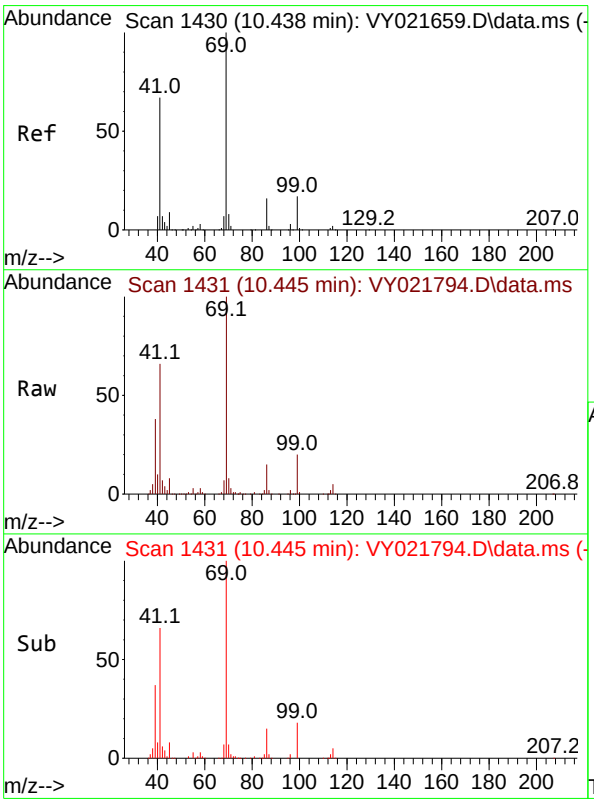
#55
1,1,2-Trichloroethane
Concen: 49.131 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 86004

Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.5	104.3
85	54.6	43.9	65.9
99	61.4	49.9	74.9

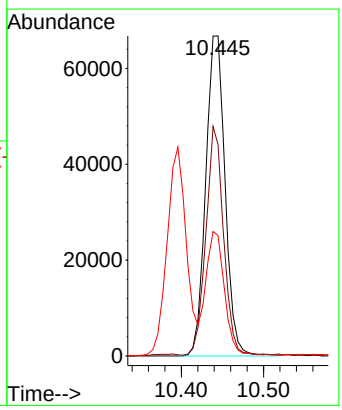


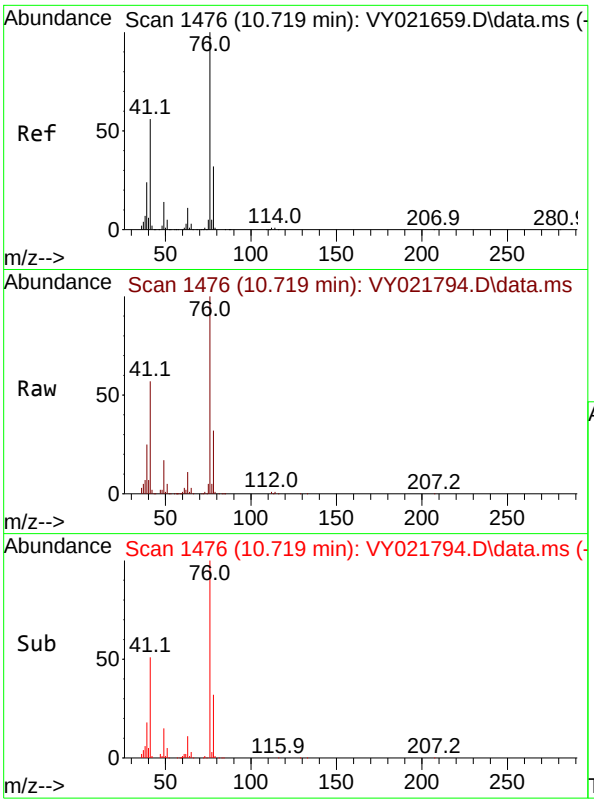


#56
Ethyl methacrylate
Concen: 48.850 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 69 Resp: 109189

Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.8	80.6
39	36.8	29.6	44.4



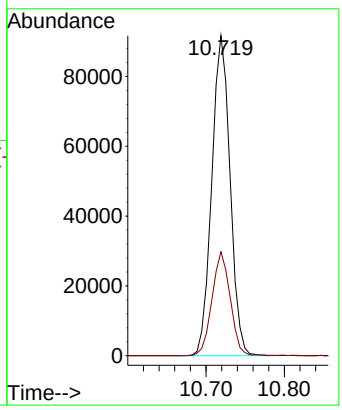


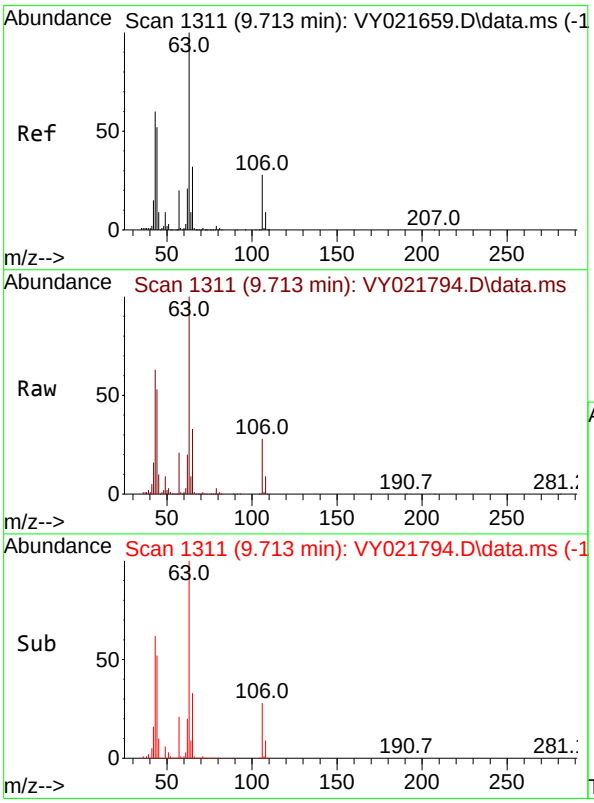
#57
1,3-Dichloropropane
Concen: 49.319 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 149100

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

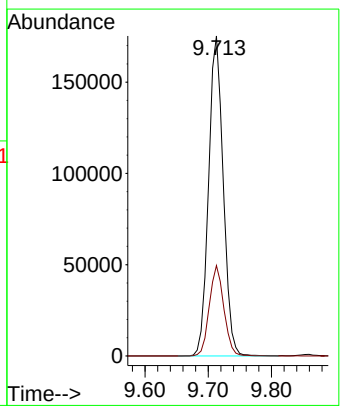


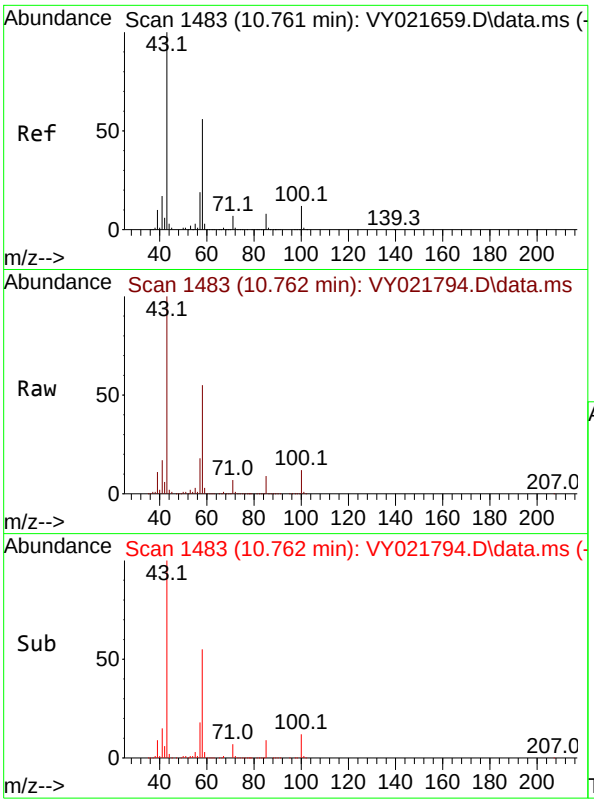


#58
2-Chloroethyl Vinyl ether
Concen: 258.748 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 63 Resp: 282136

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6



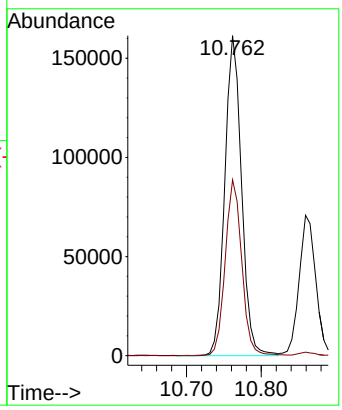


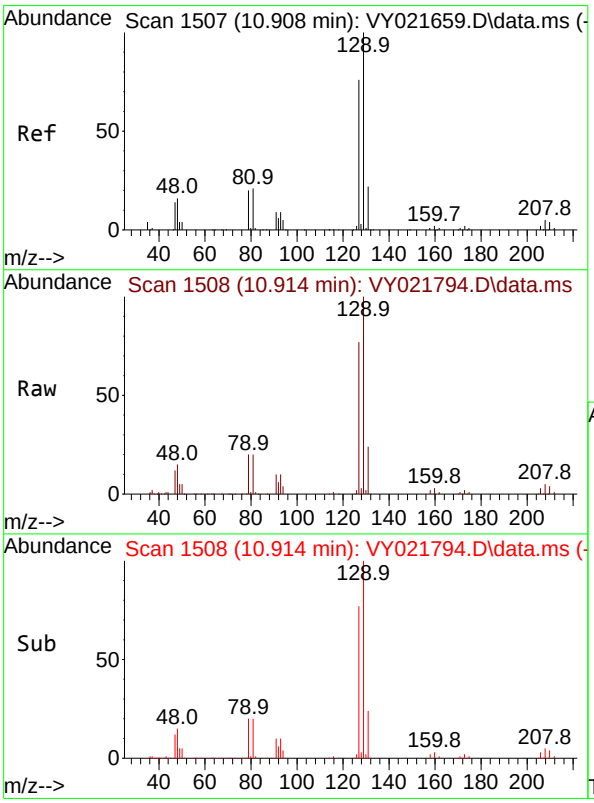
#59
2-Hexanone
Concen: 243.444 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 251244

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.2	81.5

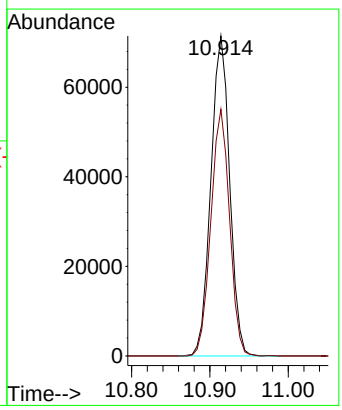


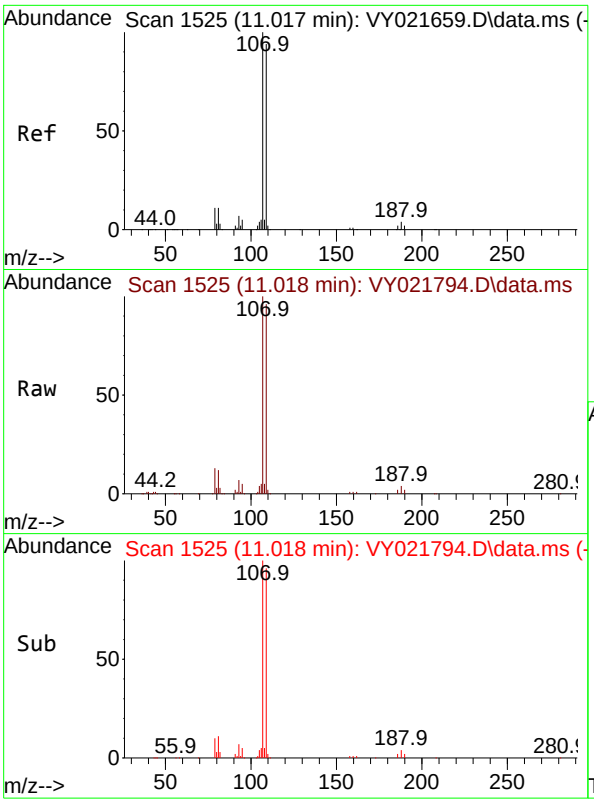


#60
Dibromochloromethane
Concen: 49.743 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:129 Resp: 118885

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	115.7



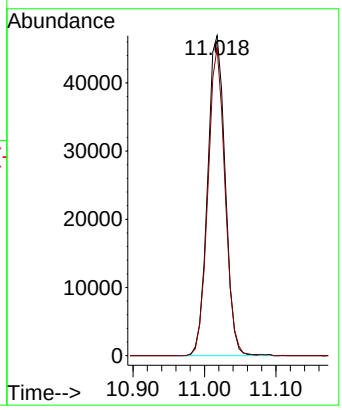


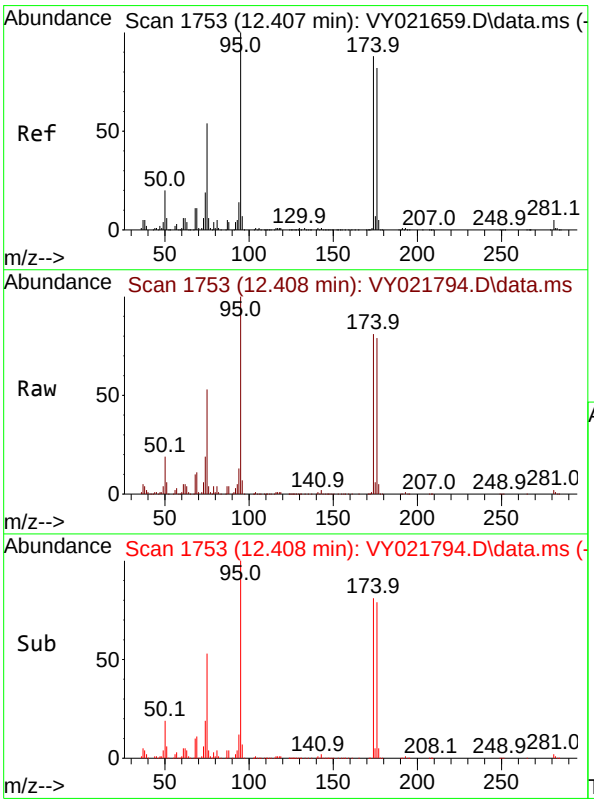
#61
1,2-Dibromoethane
Concen: 48.727 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 80014

Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.4	111.6

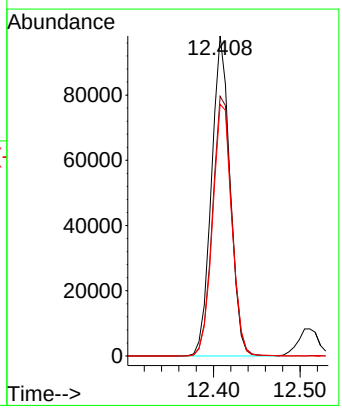


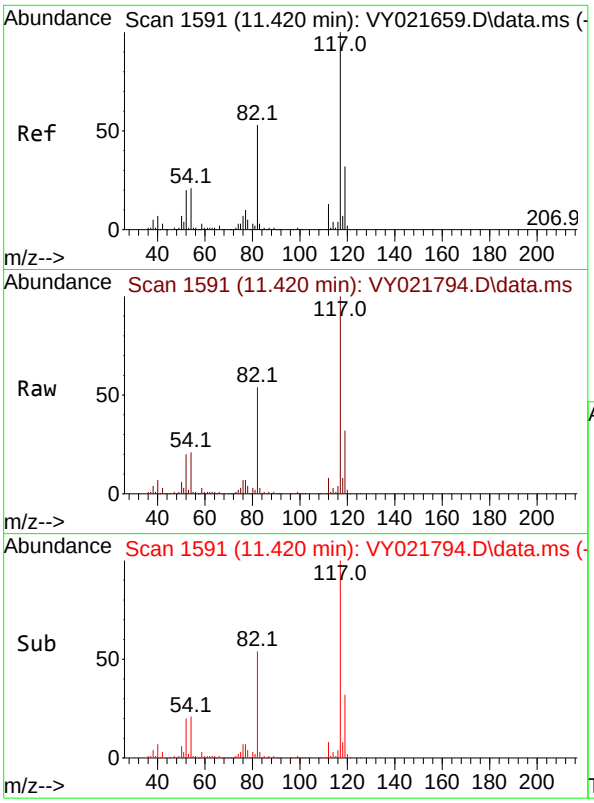


#62
4-Bromofluorobenzene
Concen: 51.914 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 95 Resp: 146026

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.8
176	81.5	0.0	162.0



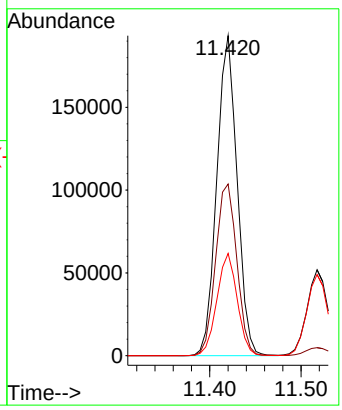


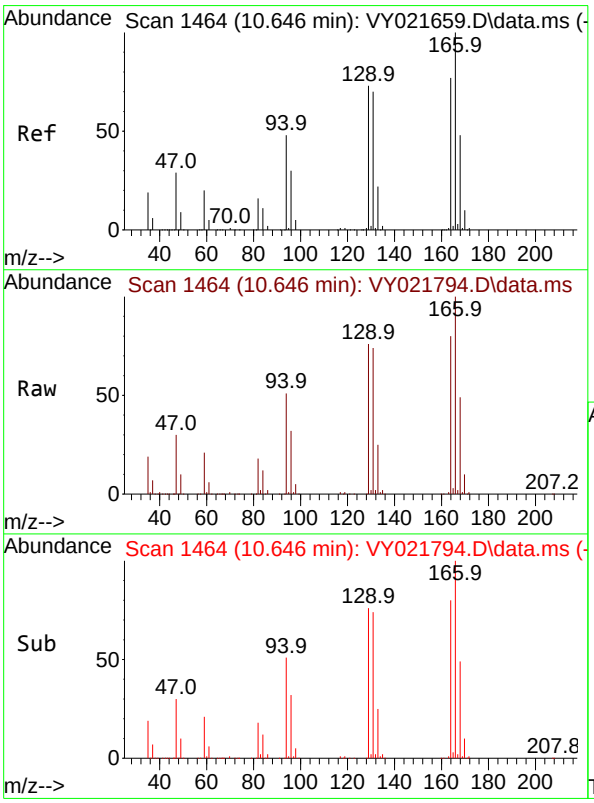
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 298811

Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.8	64.2
119	31.9	25.7	38.5

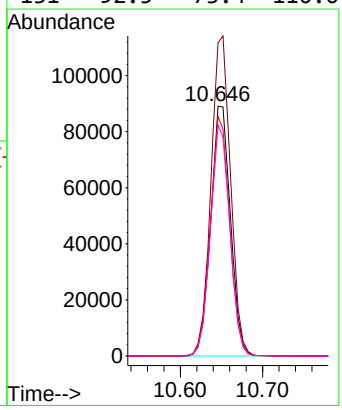


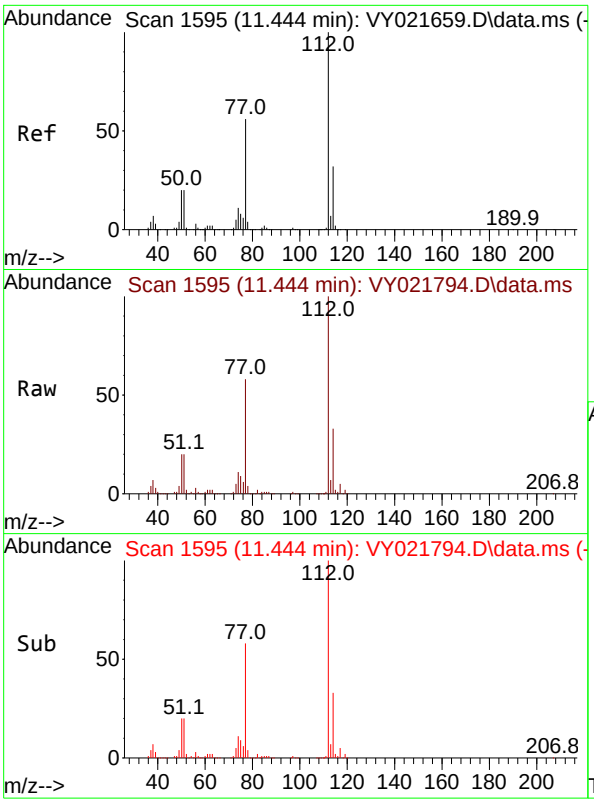


#64
Tetrachloroethene
Concen: 54.654 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:164 Resp: 148740

Ion	Ratio	Lower	Upper
164	100		
166	125.4	104.6	156.8
129	95.9	76.6	114.8
131	92.5	73.4	110.0



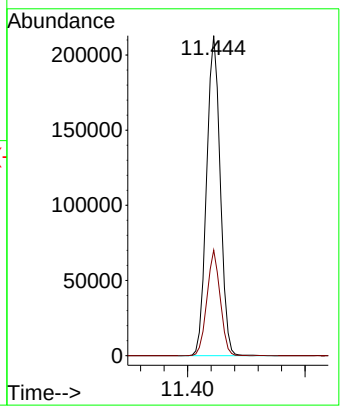


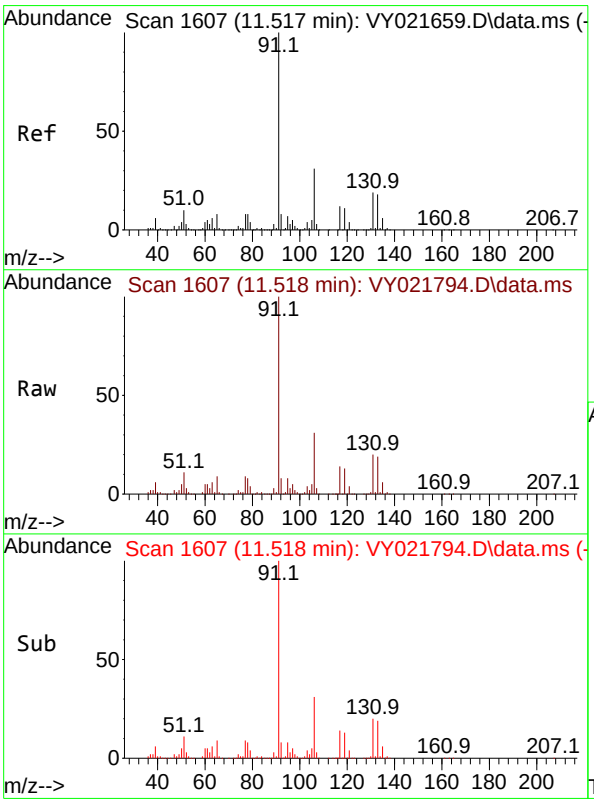
#65
Chlorobenzene
Concen: 49.923 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 341961

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.9	38.9

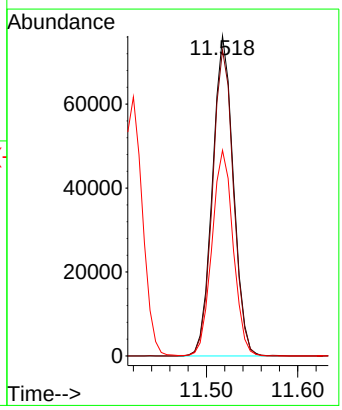


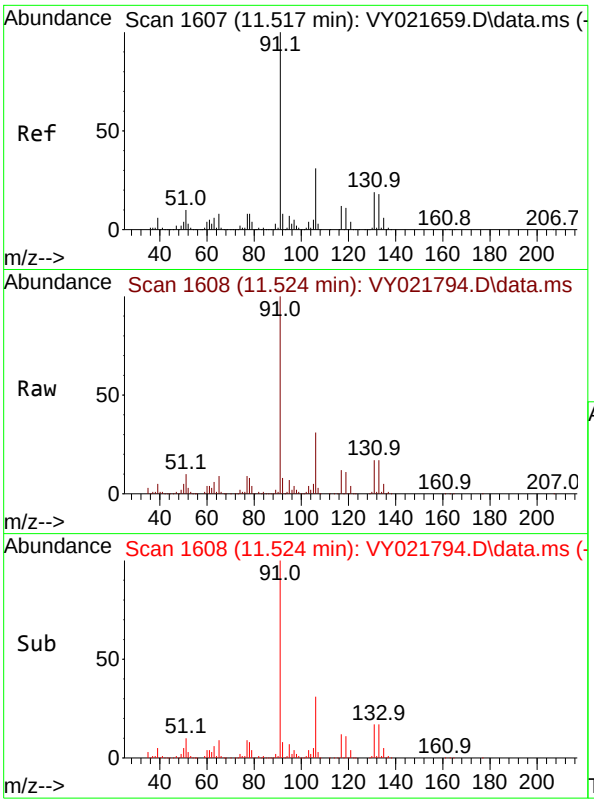


#66
1,1,1,2-Tetrachloroethane
Concen: 49.897 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:131 Resp: 121265

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.8
119	65.2	31.6	95.0



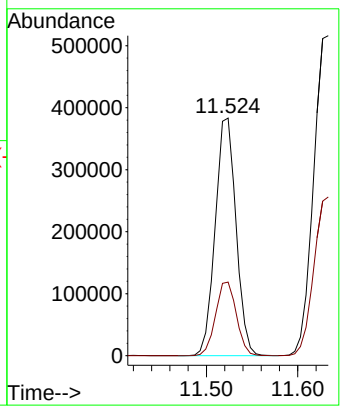


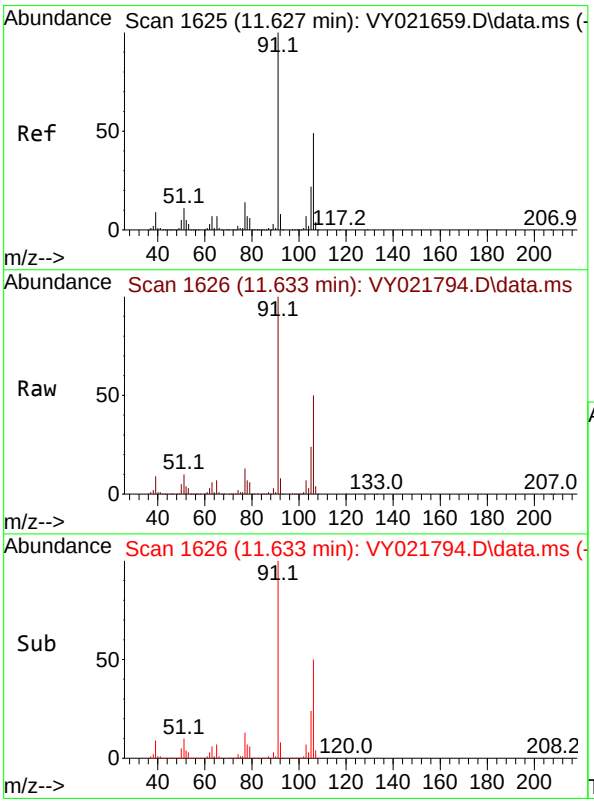
#67
Ethyl Benzene
Concen: 51.687 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 607101

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.6	36.8

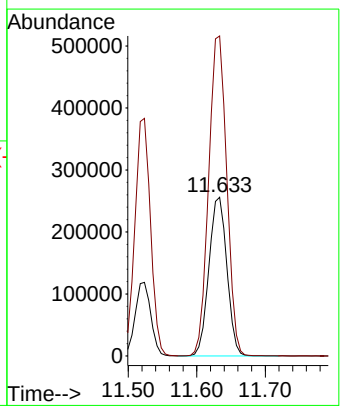


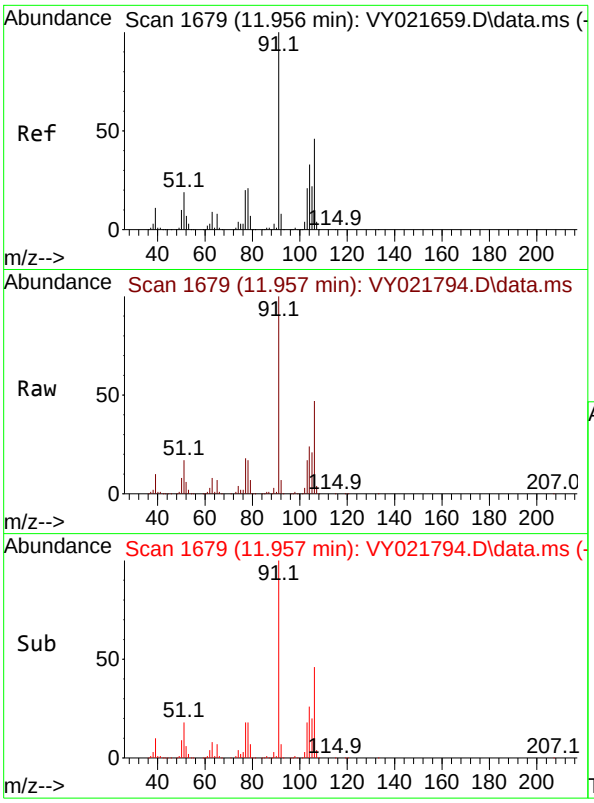


#68
m/p-Xylenes
Concen: 103.887 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:106 Resp: 467260

Ion	Ratio	Lower	Upper
106	100		
91	202.6	162.4	243.6



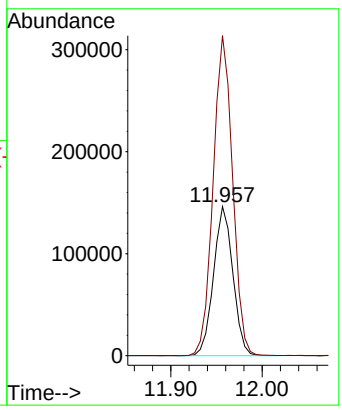


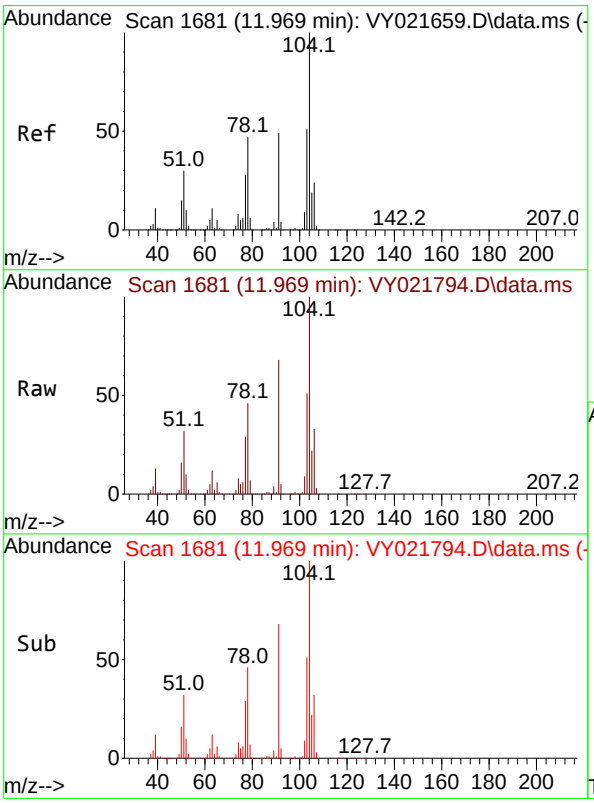
#69
o-Xylene
Concen: 51.935 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 215626

Ion	Ratio	Lower	Upper
106	100		
91	215.8	106.7	319.9

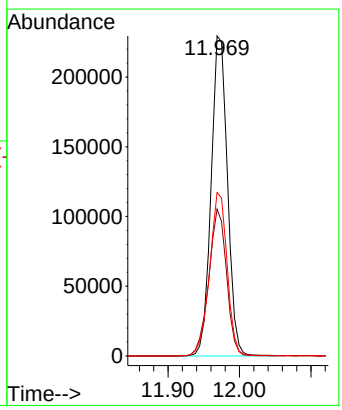


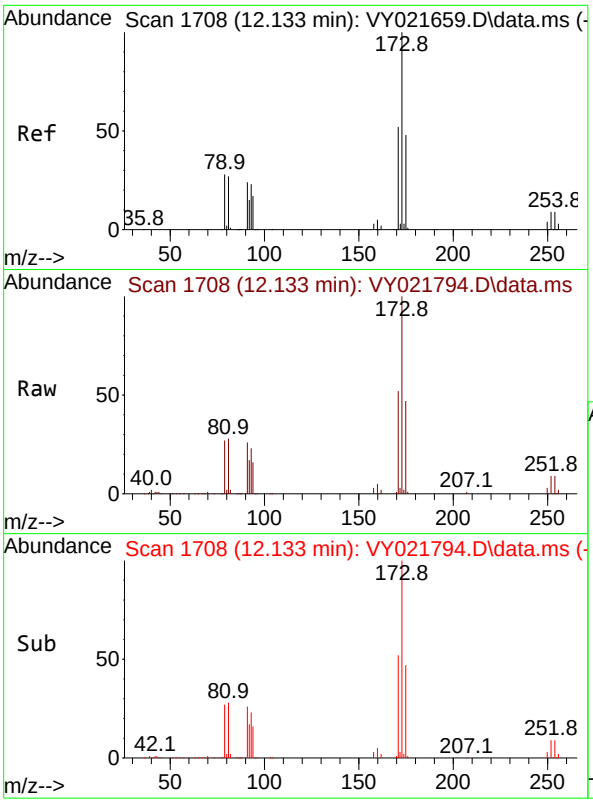


#70
Styrene
Concen: 52.649 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:104 Resp: 364462

Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.8	61.2
103	54.8	44.2	66.2



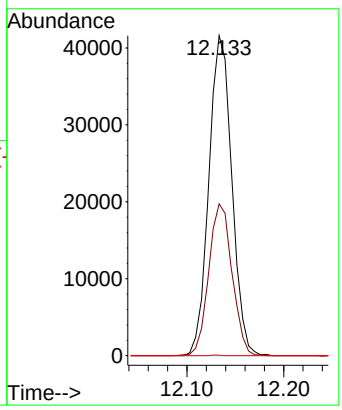


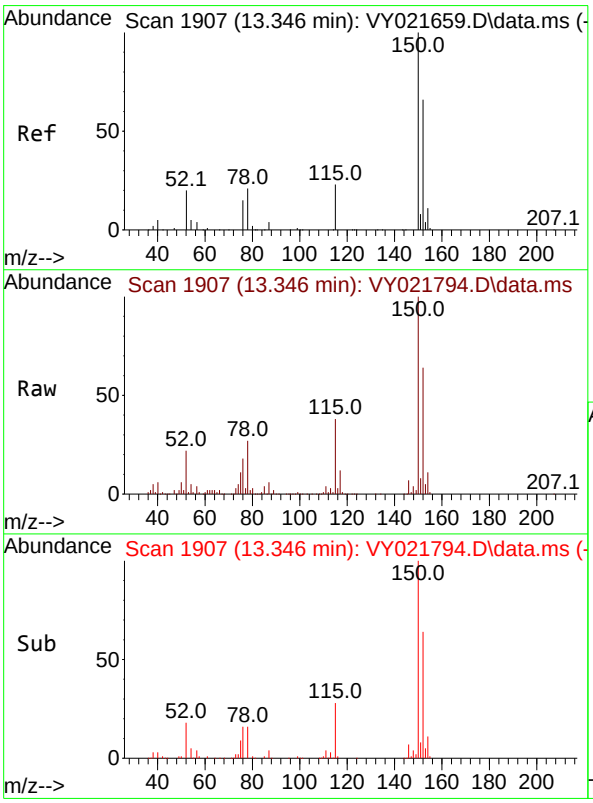
#71
Bromoform
Concen: 49.483 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 68597

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.1	0.1	0.1#

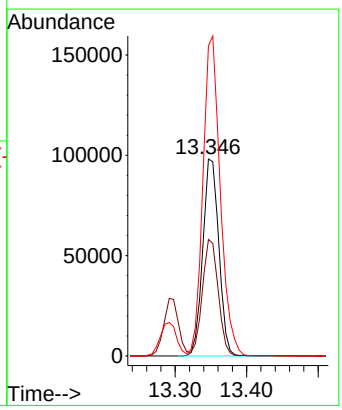


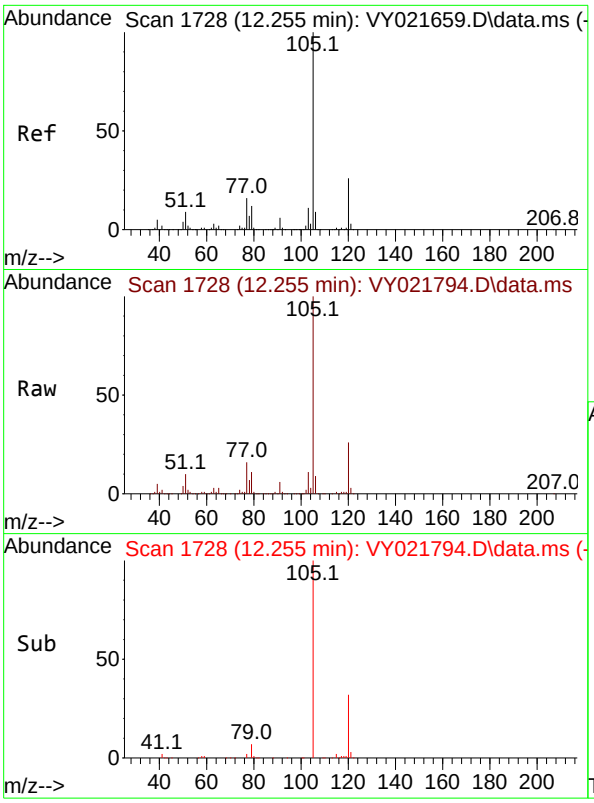


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:152 Resp: 153287

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	175.2	0.0	348.4



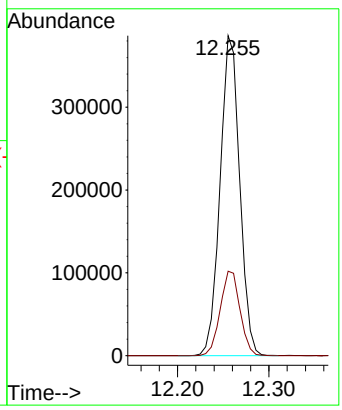


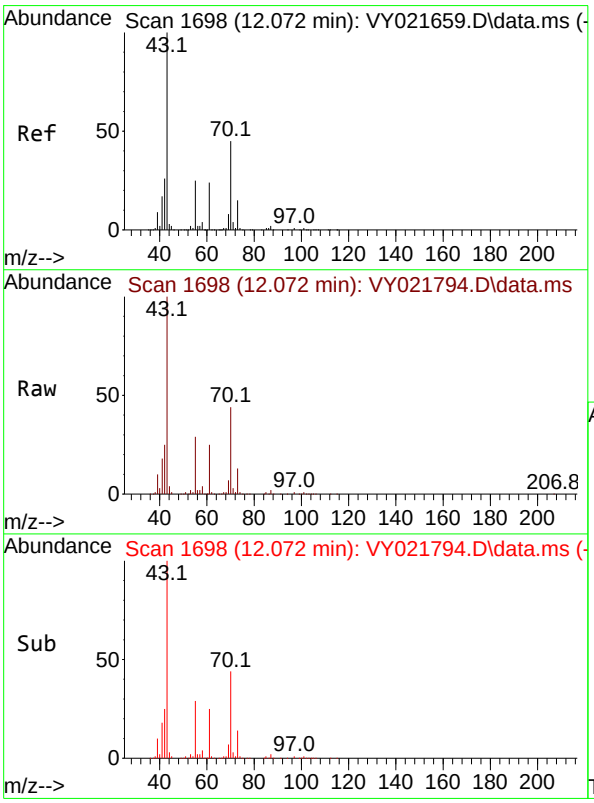
#73
Isopropylbenzene
Concen: 50.541 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 575416

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5

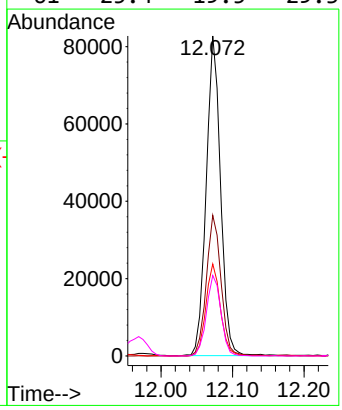


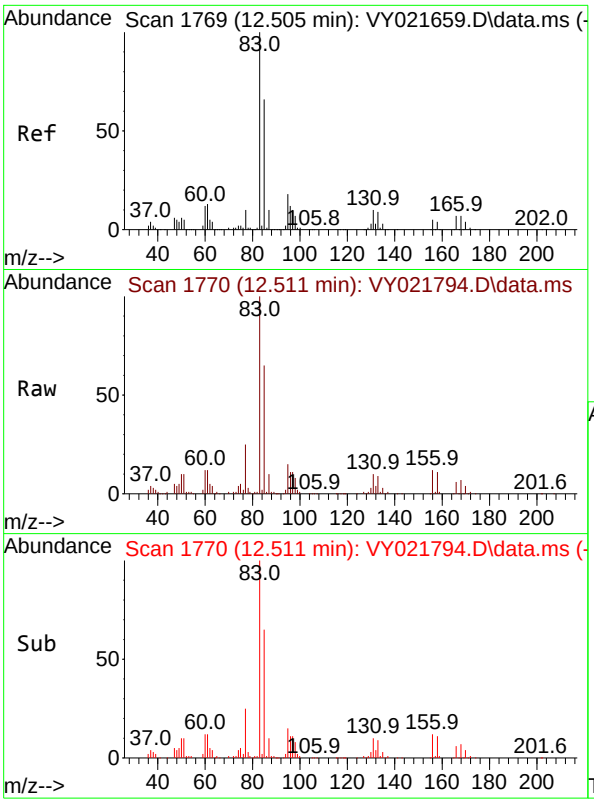


#74
N-amyl acetate
Concen: 43.148 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 43 Resp: 115291

Ion	Ratio	Lower	Upper
43	100		
70	45.3	34.7	52.1
55	29.4	21.2	31.8
61	25.4	19.5	29.3



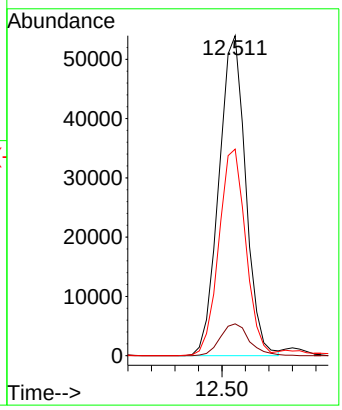


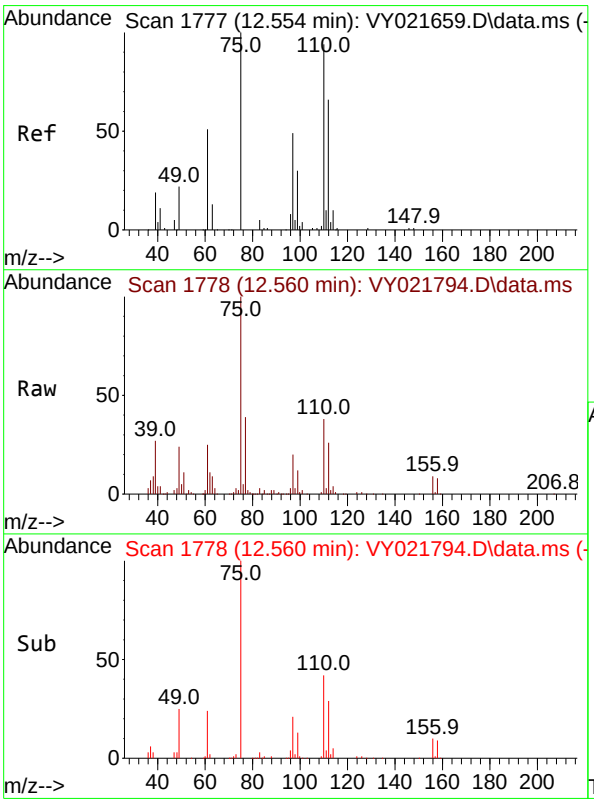
#75
1,1,2,2-Tetrachloroethane
Concen: 41.800 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 85563

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.3
85	65.1	32.3	96.8

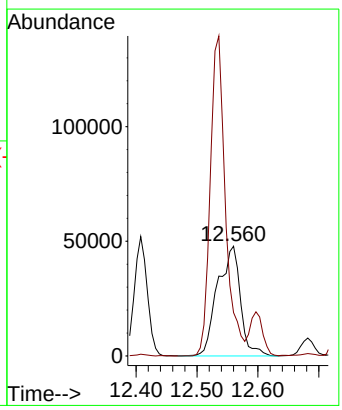


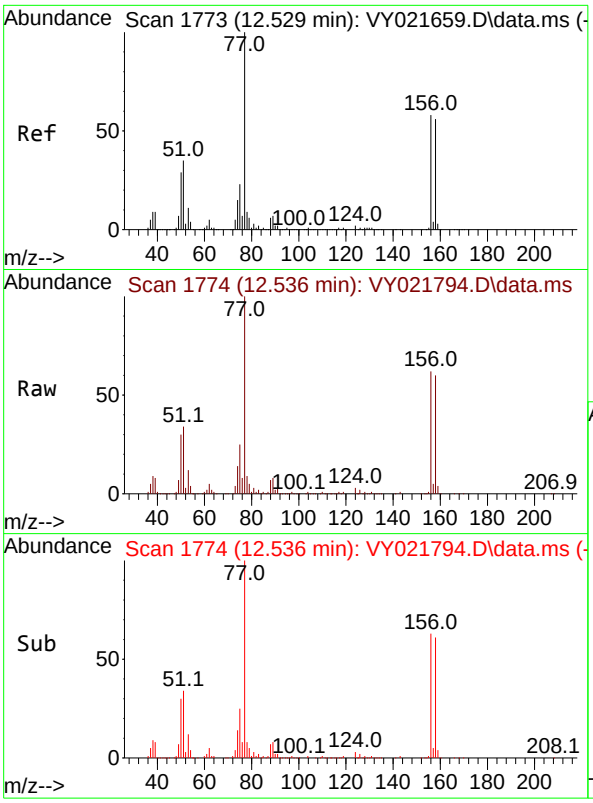


#76
1,2,3-Trichloropropane
Concen: 82.309 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 125066

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



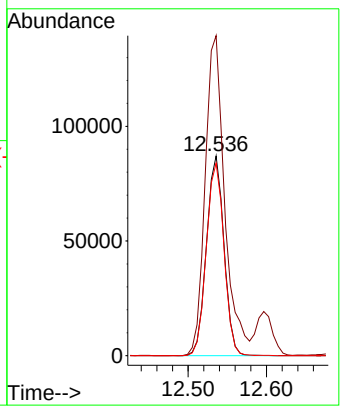


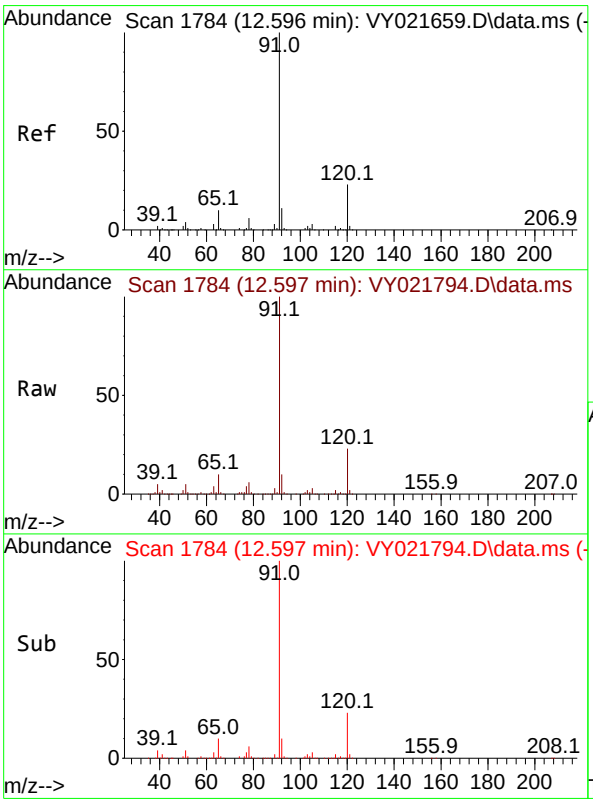
#77
Bromobenzene
Concen: 49.332 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 134854

Ion	Ratio	Lower	Upper
156	100		
77	179.4	92.8	278.3
158	97.3	48.5	145.6

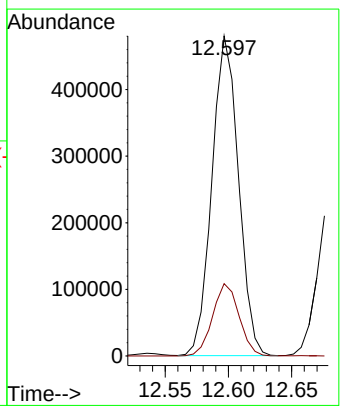


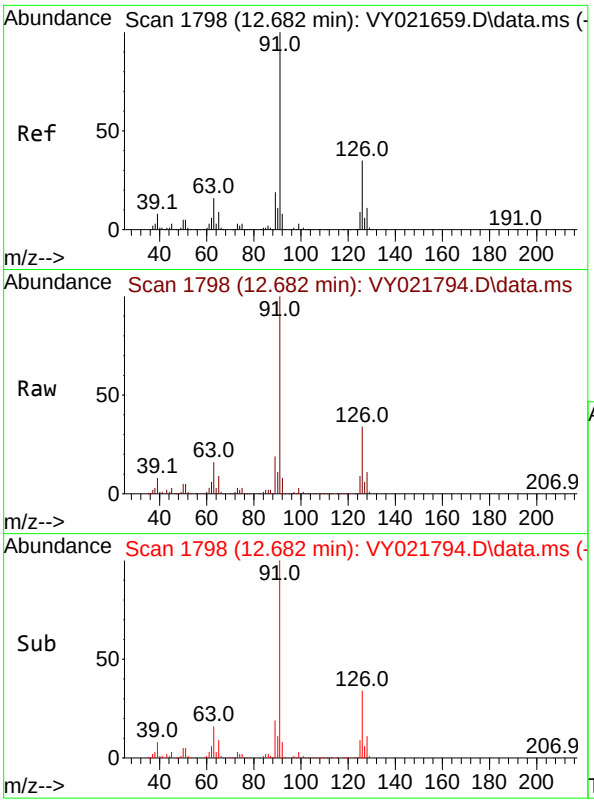


#78
n-propylbenzene
Concen: 51.186 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 700624

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9



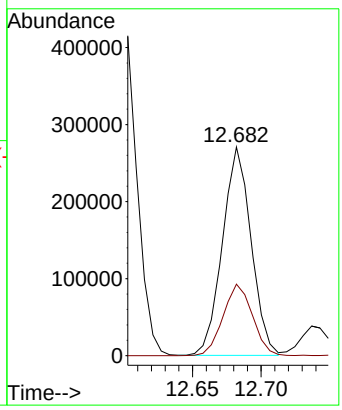


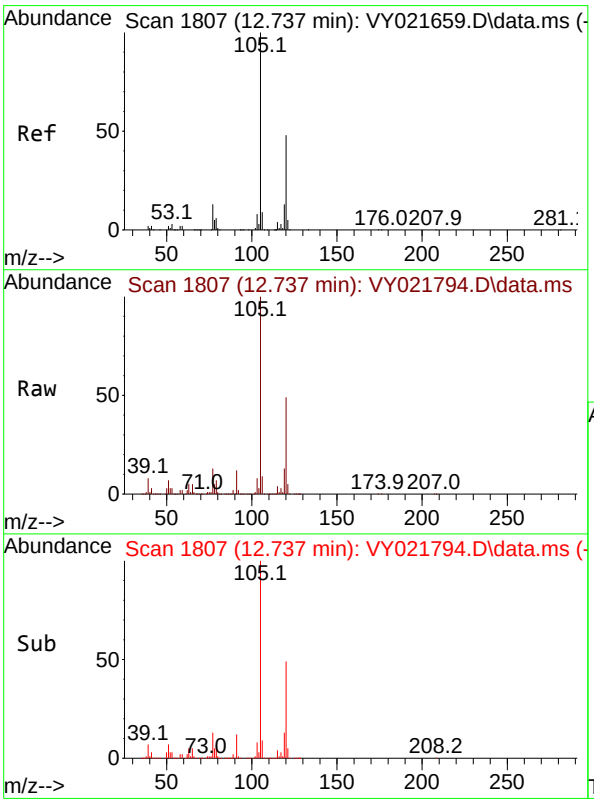
#79
2-Chlorotoluene
Concen: 49.576 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 394135

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	52.0

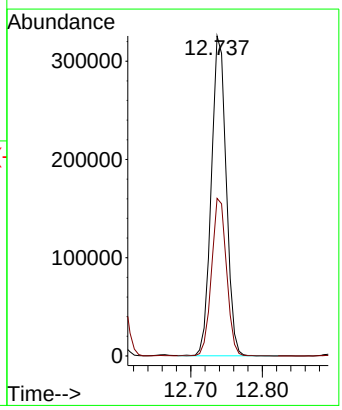


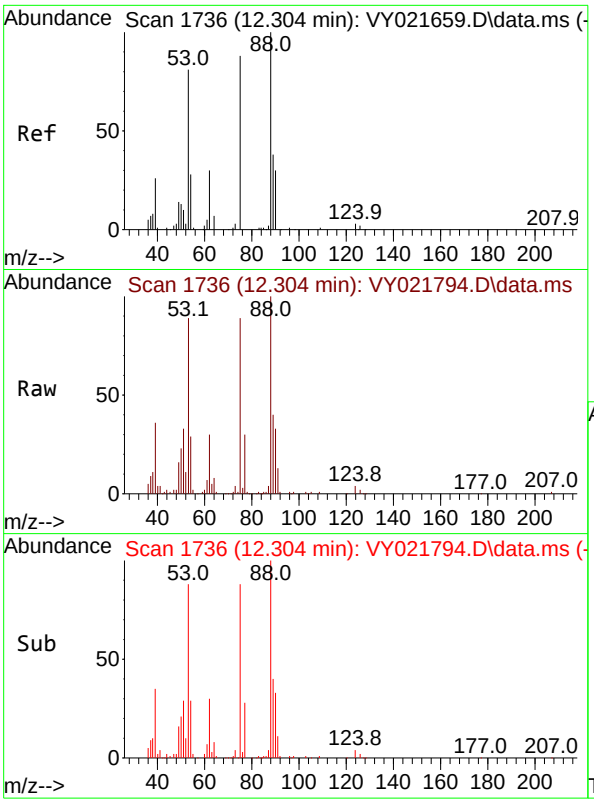


#80
1,3,5-Trimethylbenzene
Concen: 50.524 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:105 Resp: 470123

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.5	73.5



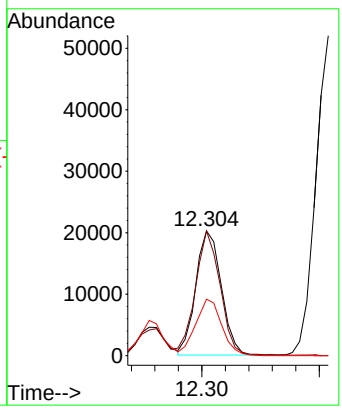


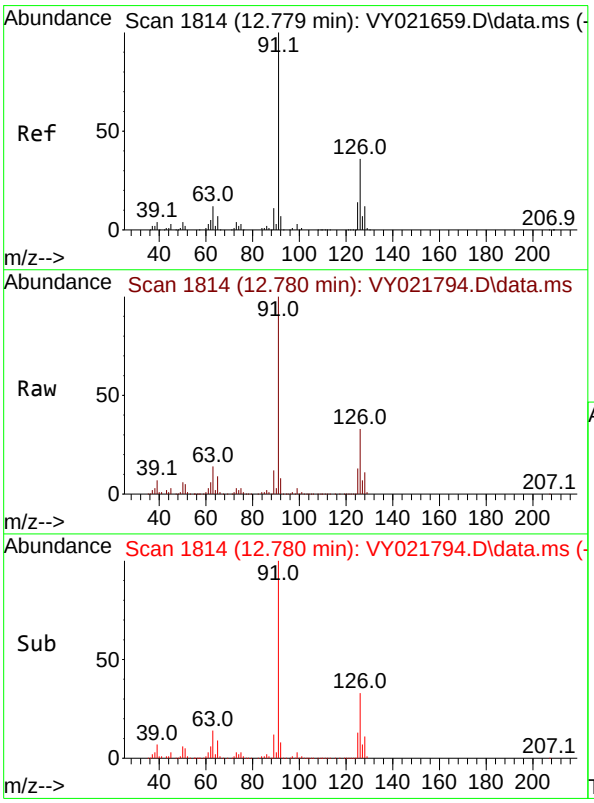
#81
trans-1,4-Dichloro-2-butene
Concen: 46.192 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 30461

Ion	Ratio	Lower	Upper
75	100		
53	98.2	76.1	114.1
89	46.6	36.2	54.4

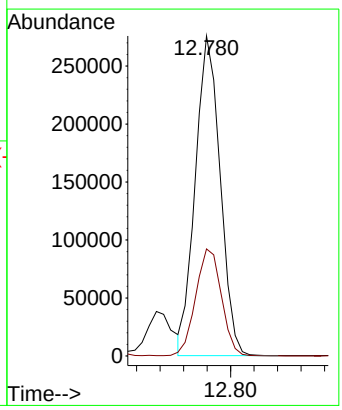


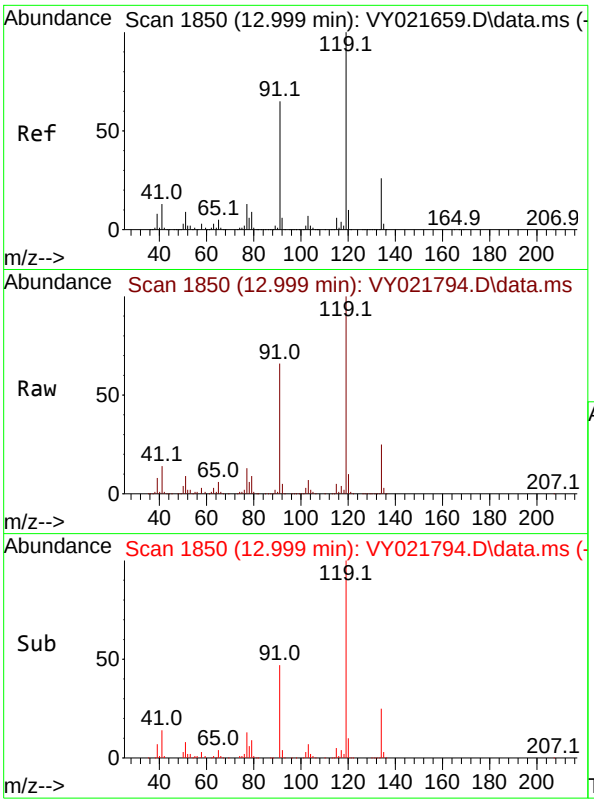


#82
4-Chlorotoluene
Concen: 48.877 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 91 Resp: 405107

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.0	50.9



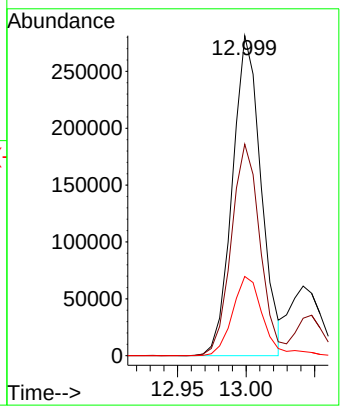


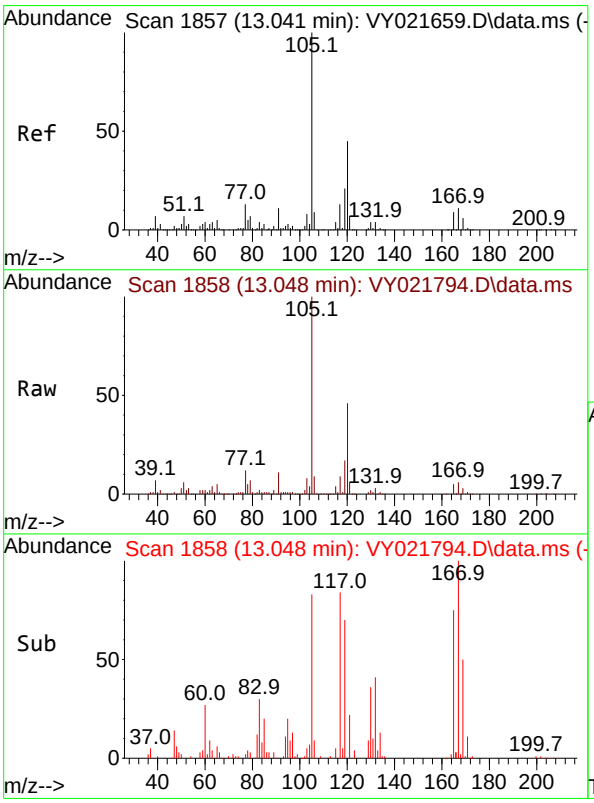
#83
tert-Butylbenzene
Concen: 49.404 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 409458

Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.6	97.7
134	26.6	13.2	39.6

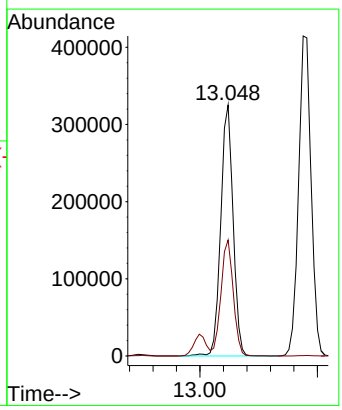


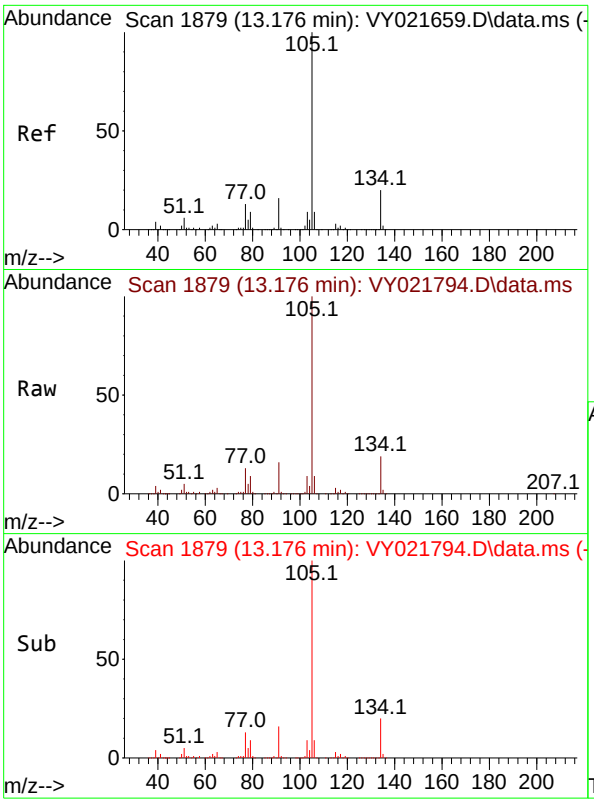


#84
1,2,4-Trimethylbenzene
Concen: 51.475 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:105 Resp: 473400

Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.7	68.1



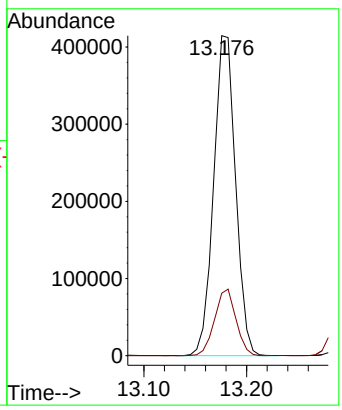


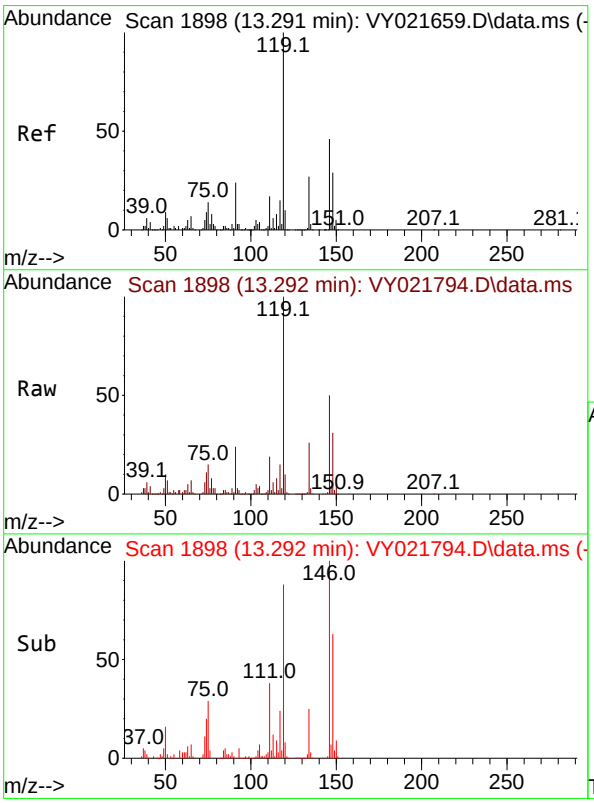
#85
sec-Butylbenzene
Concen: 50.544 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 612188

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1

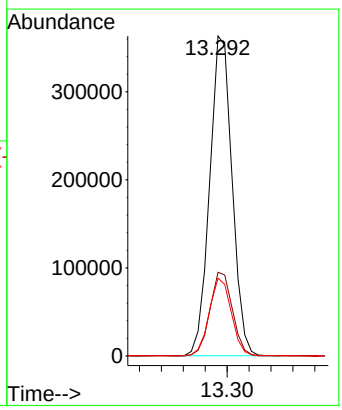


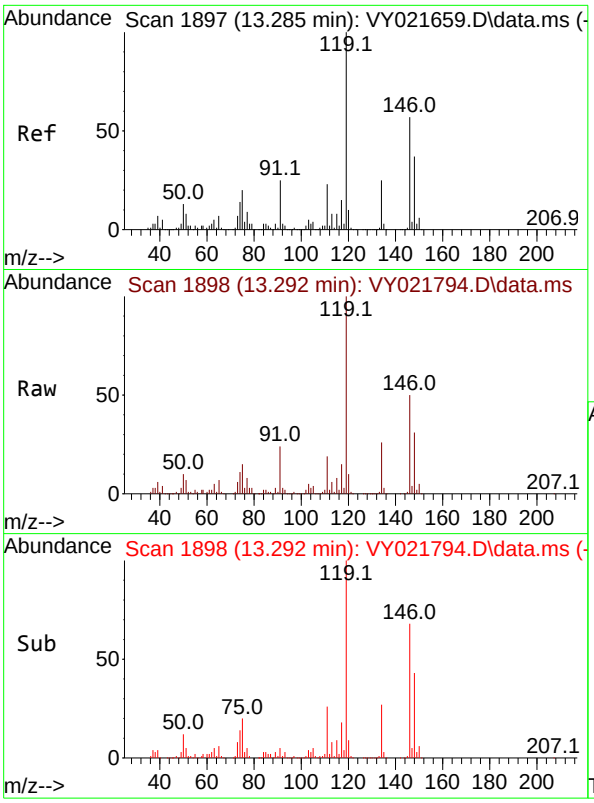


#86
p-Isopropyltoluene
Concen: 51.605 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:119 Resp: 516598

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.9	12.0	36.0



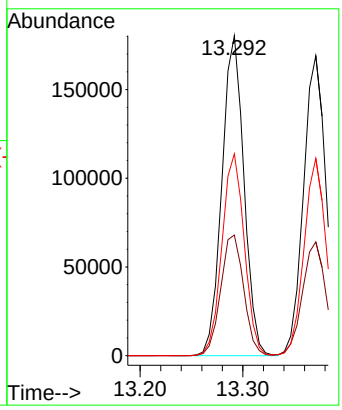


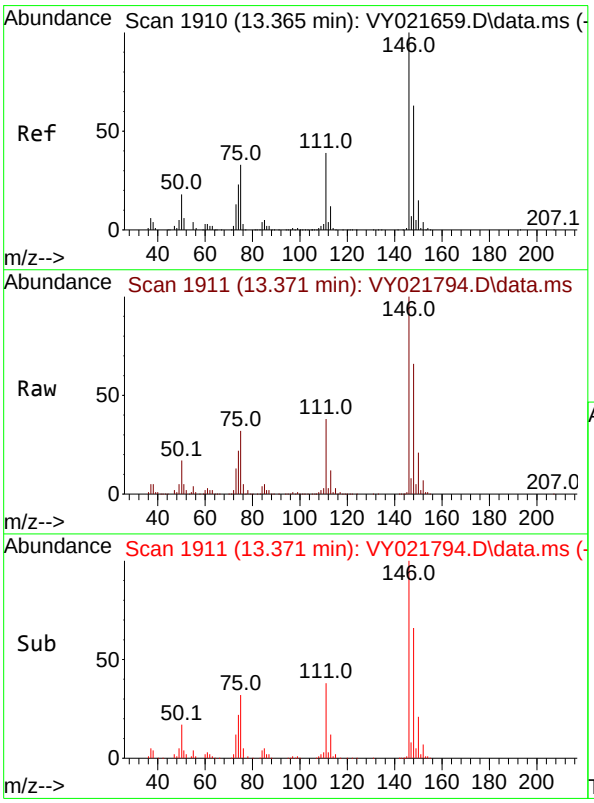
#87
1,3-Dichlorobenzene
Concen: 49.789 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 268145

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	64.0	31.8	95.4

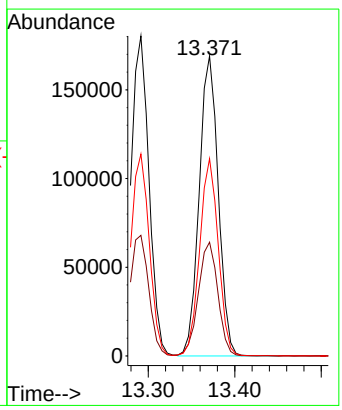


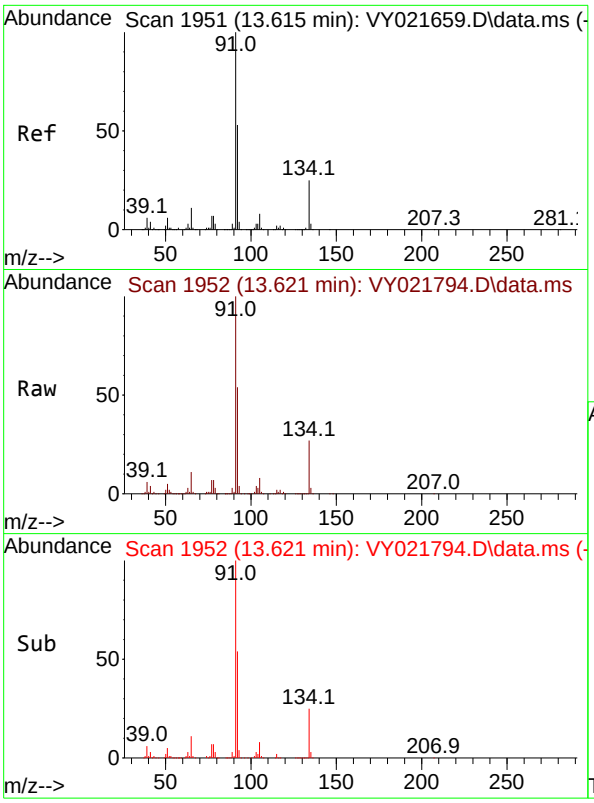


#88
1,4-Dichlorobenzene
Concen: 48.633 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:146 Resp: 258781

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	64.1	31.5	94.5



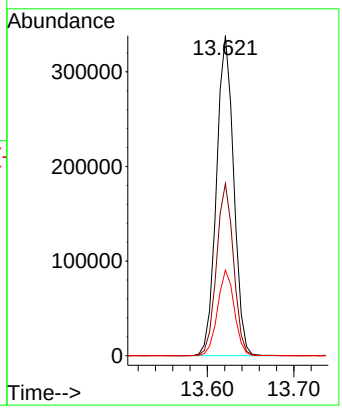


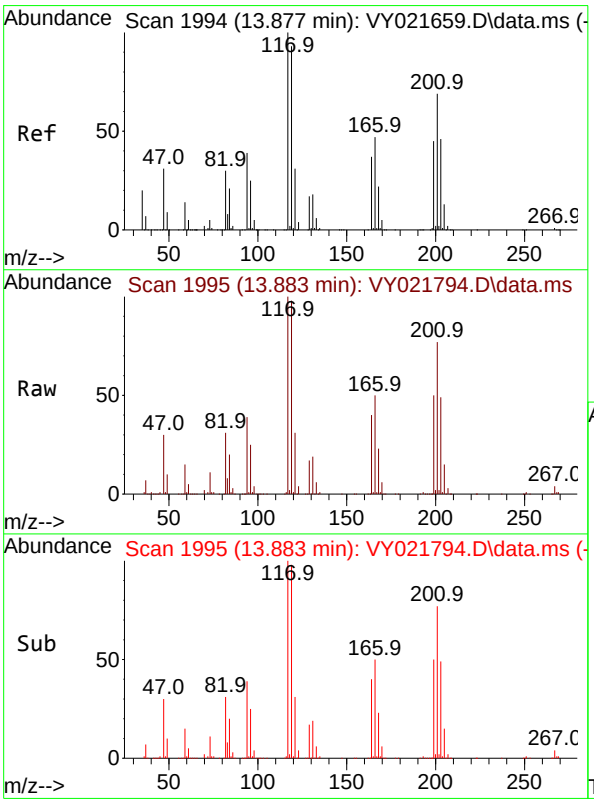
#89
n-Butylbenzene
Concen: 50.487 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 467407

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	26.0	12.8	38.4

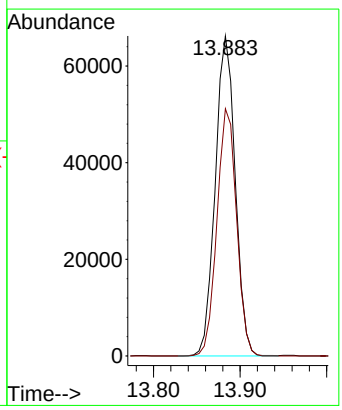


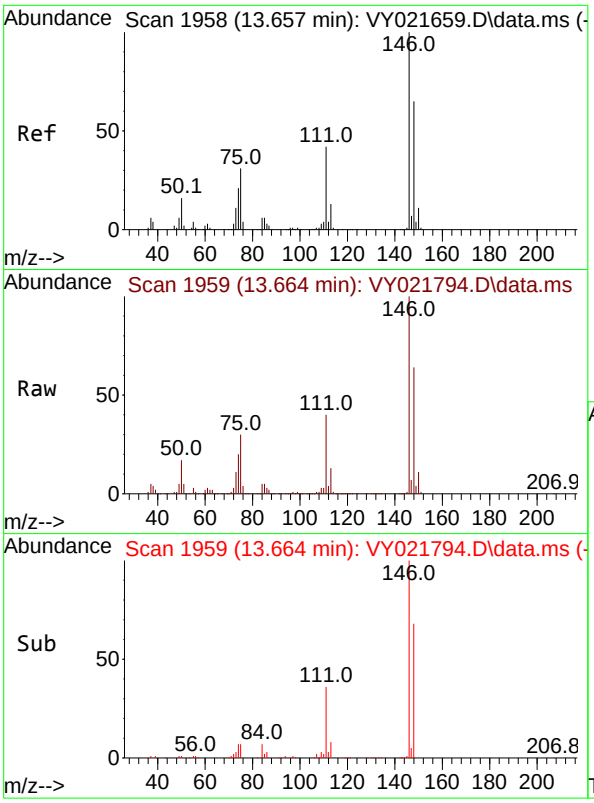


#90
Hexachloroethane
Concen: 48.399 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:117 Resp: 106174

Ion	Ratio	Lower	Upper
117	100		
201	75.9	37.4	112.1



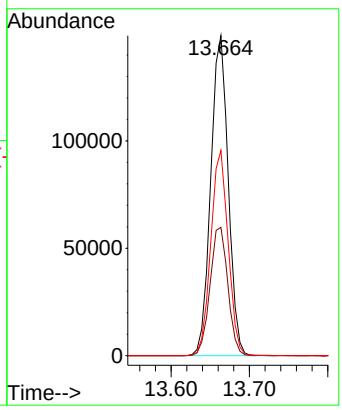


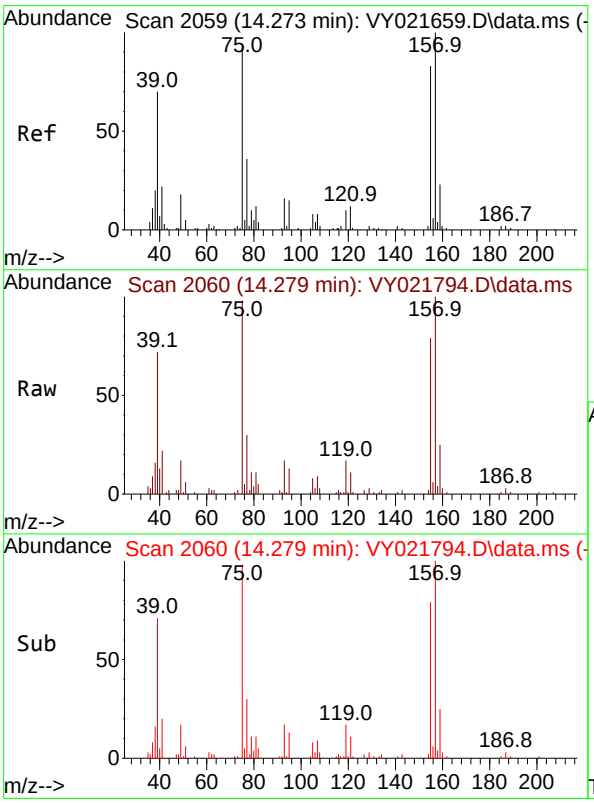
#91
1,2-Dichlorobenzene
Concen: 49.236 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 230830

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.6	32.3	96.9

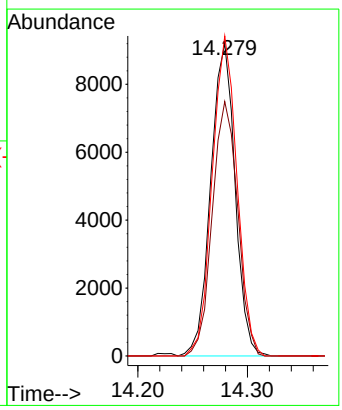


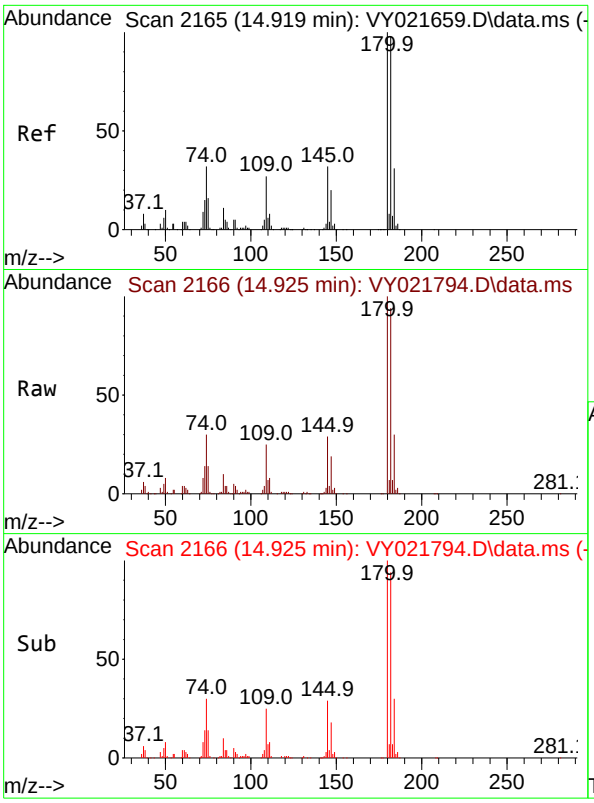


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.715 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 75 Resp: 14186

Ion	Ratio	Lower	Upper
75	100		
155	84.9	43.0	128.8
157	104.0	54.0	162.0



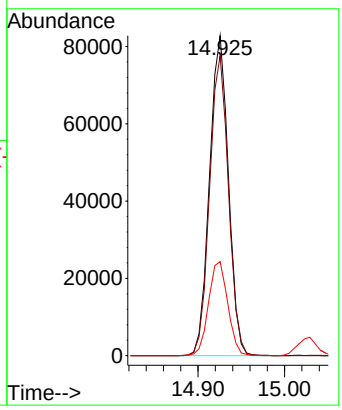


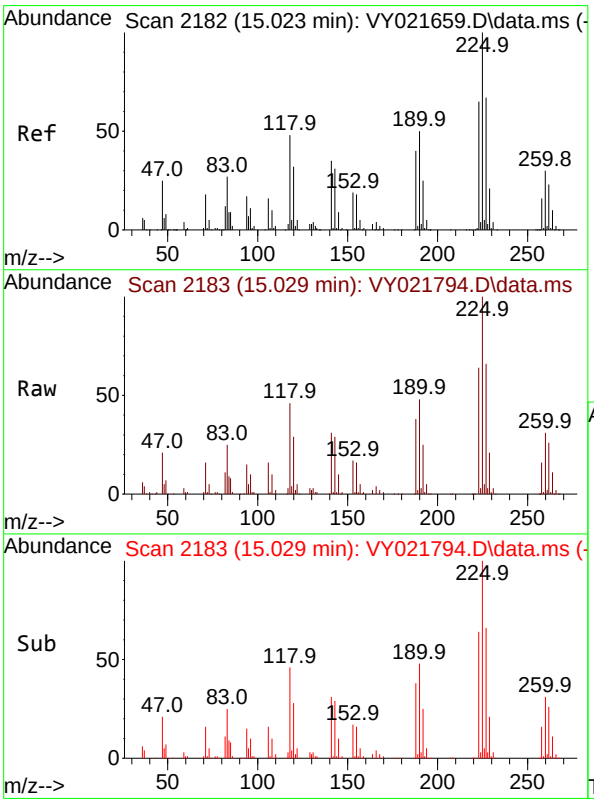
#93
1,2,4-Trichlorobenzene
Concen: 49.286 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 125306

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.6
145	30.0	14.9	44.9

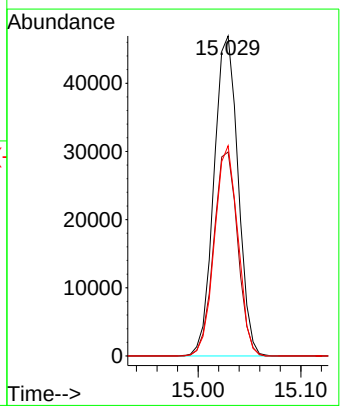


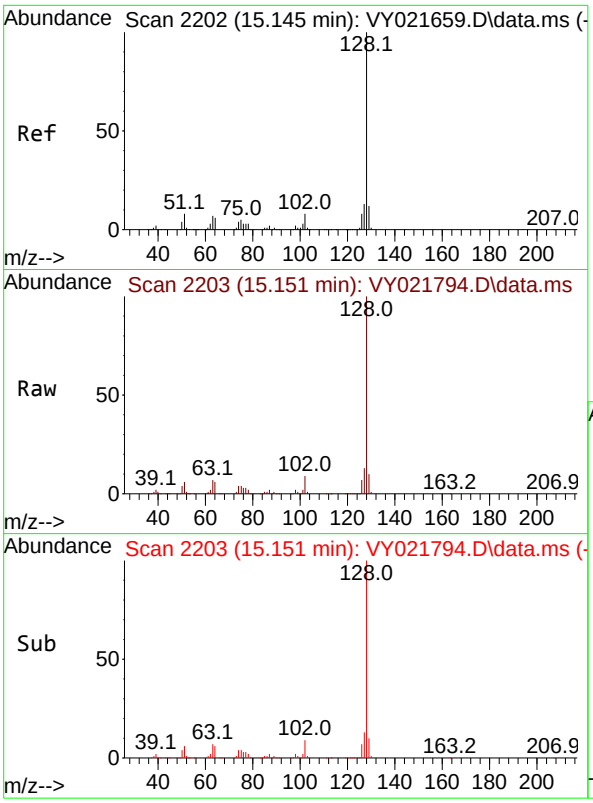


#94
Hexachlorobutadiene
Concen: 48.096 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:225 Resp: 76368

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	63.8	32.4	97.0



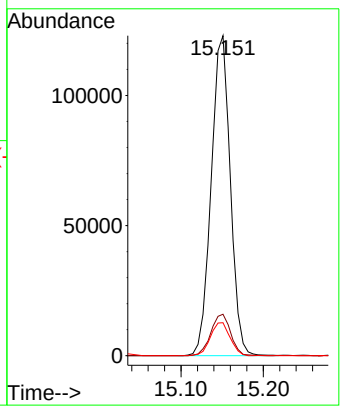


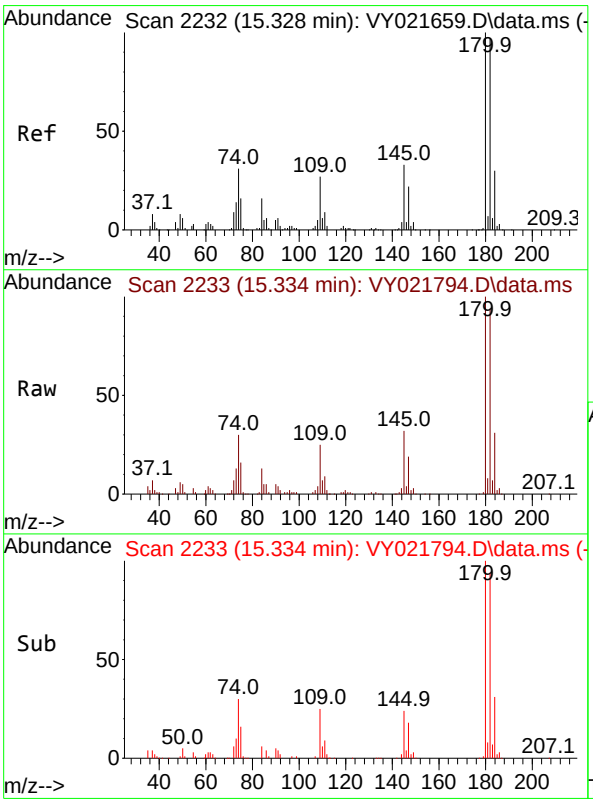
#95
Naphthalene
Concen: 47.089 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 198442

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.7	8.8	13.2

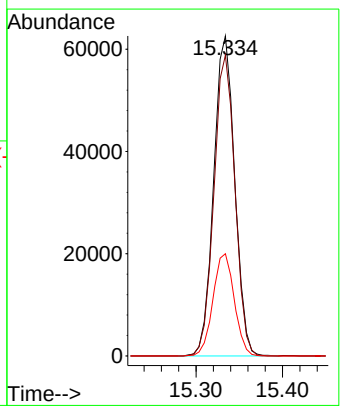




#96
1,2,3-Trichlorobenzene
Concen: 48.577 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021794.D
Acq: 07 Apr 2025 09:10

Tgt Ion:180 Resp: 105317

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.5
145	32.4	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	202553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	287816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	149046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112714	51.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%			
35) Dibromofluoromethane	7.634	113	105448	51.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.260%			
50) Toluene-d8	10.109	98	402207	51.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.408	95	137431	51.789	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	36481	17.377	ug/l	98
3) Chloromethane	2.068	50	59151	20.037	ug/l	99
4) Vinyl Chloride	2.202	62	61511	18.425	ug/l	99
5) Bromomethane	2.592	94	48941	21.494	ug/l	98
6) Chloroethane	2.732	64	43322	19.831	ug/l	94
7) Trichlorofluoromethane	3.049	101	81090	18.961	ug/l	96
8) Diethyl Ether	3.458	74	21199	18.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	42352	18.776	ug/l	99
10) Methyl Iodide	4.007	142	44371	17.931	ug/l	99
11) Tert butyl alcohol	4.891	59	12162	85.320	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	38767	18.247	ug/l	94
13) Acrolein	3.653	56	12797	49.166	ug/l	98
14) Allyl chloride	4.385	41	61765	18.233	ug/l	98
15) Acrylonitrile	5.061	53	47002	96.790	ug/l	100
16) Acetone	3.879	43	33135	73.773	ug/l	97
17) Carbon Disulfide	4.104	76	123232	17.610	ug/l	99
18) Methyl Acetate	4.391	43	23144	20.791	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	97072	18.352	ug/l	96
20) Methylene Chloride	4.616	84	47543	19.254	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	43713	18.687	ug/l	93
22) Diisopropyl ether	6.018	45	137320	19.324	ug/l	96
23) Vinyl Acetate	5.964	43	378088	90.951	ug/l	98
24) 1,1-Dichloroethane	5.915	63	81273	19.127	ug/l	99
25) 2-Butanone	6.896	43	54867	85.526	ug/l	97
26) 2,2-Dichloropropane	6.890	77	67416	17.837	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	49651	18.874	ug/l	98
28) Bromochloromethane	7.250	49	35606	19.870	ug/l	97
29) Tetrahydrofuran	7.268	42	37752	91.436	ug/l	99
30) Chloroform	7.421	83	85674	19.386	ug/l	97
31) Cyclohexane	7.701	56	67135	17.333	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	74644	18.687	ug/l	98
36) 1,1-Dichloropropene	7.835	75	58414	18.597	ug/l	98
37) Ethyl Acetate	6.988	43	27713	18.694	ug/l	99
38) Carbon Tetrachloride	7.817	117	68118	18.934	ug/l	97
39) Methylcyclohexane	9.109	83	67315	17.939	ug/l	97
40) Benzene	8.085	78	181213	19.264	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	14170	17.999	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	51227	19.317	ug/l		98
43) Isopropyl Acetate	8.195	43	51199	18.225	ug/l		97
44) Trichloroethene	8.865	130	48310	20.156	ug/l		92
45) 1,2-Dichloropropane	9.140	63	43310	19.451	ug/l		99
46) Dibromomethane	9.237	93	25621	19.965	ug/l		96
47) Bromodichloromethane	9.426	83	65208	19.610	ug/l		95
48) Methyl methacrylate	9.225	41	23219	18.008	ug/l		98
49) 1,4-Dioxane	9.243	88	4830	351.345	ug/l	#	92
51) 4-Methyl-2-Pentanone	9.999	43	139834	95.649	ug/l		99
52) Toluene	10.170	92	114460	19.502	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	57318	19.407	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	67327	19.323	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	33605	20.349	ug/l		98
56) Ethyl methacrylate	10.438	69	39586	18.773	ug/l		98
57) 1,3-Dichloropropane	10.719	76	55754	19.548	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	101813	98.974	ug/l		98
59) 2-Hexanone	10.761	43	90772	93.230	ug/l		98
60) Dibromochloromethane	10.914	129	44536	19.752	ug/l		99
61) 1,2-Dibromoethane	11.018	107	30864	19.923	ug/l		99
64) Tetrachloroethene	10.646	164	55443	21.151	ug/l		96
65) Chlorobenzene	11.444	112	125282	18.989	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	44369	18.954	ug/l		98
67) Ethyl Benzene	11.524	91	206159	18.222	ug/l		98
68) m/p-Xylenes	11.633	106	162584	37.528	ug/l		98
69) o-Xylene	11.956	106	73961	18.495	ug/l		98
70) Styrene	11.975	104	124911	18.734	ug/l		99
71) Bromoform	12.133	173	26014	19.482	ug/l	#	99
73) Isopropylbenzene	12.255	105	194649	17.583	ug/l		100
74) N-amyl acetate	12.072	43	43771	16.847	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	32796	16.478	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	47777	32.338	ug/l	#	100
77) Bromobenzene	12.536	156	48789	18.356	ug/l		97
78) n-propylbenzene	12.596	91	239336	17.983	ug/l		99
79) 2-Chlorotoluene	12.682	91	139496	18.046	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	164031	18.130	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11742	18.313	ug/l		96
82) 4-Chlorotoluene	12.779	91	145850	18.098	ug/l		98
83) tert-Butylbenzene	12.999	119	143987	17.867	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	163642	18.300	ug/l		99
85) sec-Butylbenzene	13.176	105	212353	18.031	ug/l		100
86) p-Isopropyltoluene	13.291	119	176872	18.171	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	96706	18.467	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	97404	18.826	ug/l		99
89) n-Butylbenzene	13.621	91	160545	17.835	ug/l		98
90) Hexachloroethane	13.883	117	38801	18.191	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	86743	19.029	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5765	18.688	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	44738	18.097	ug/l		99
94) Hexachlorobutadiene	15.029	225	29010	18.790	ug/l		97
95) Naphthalene	15.151	128	70526	17.212	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38125	18.085	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

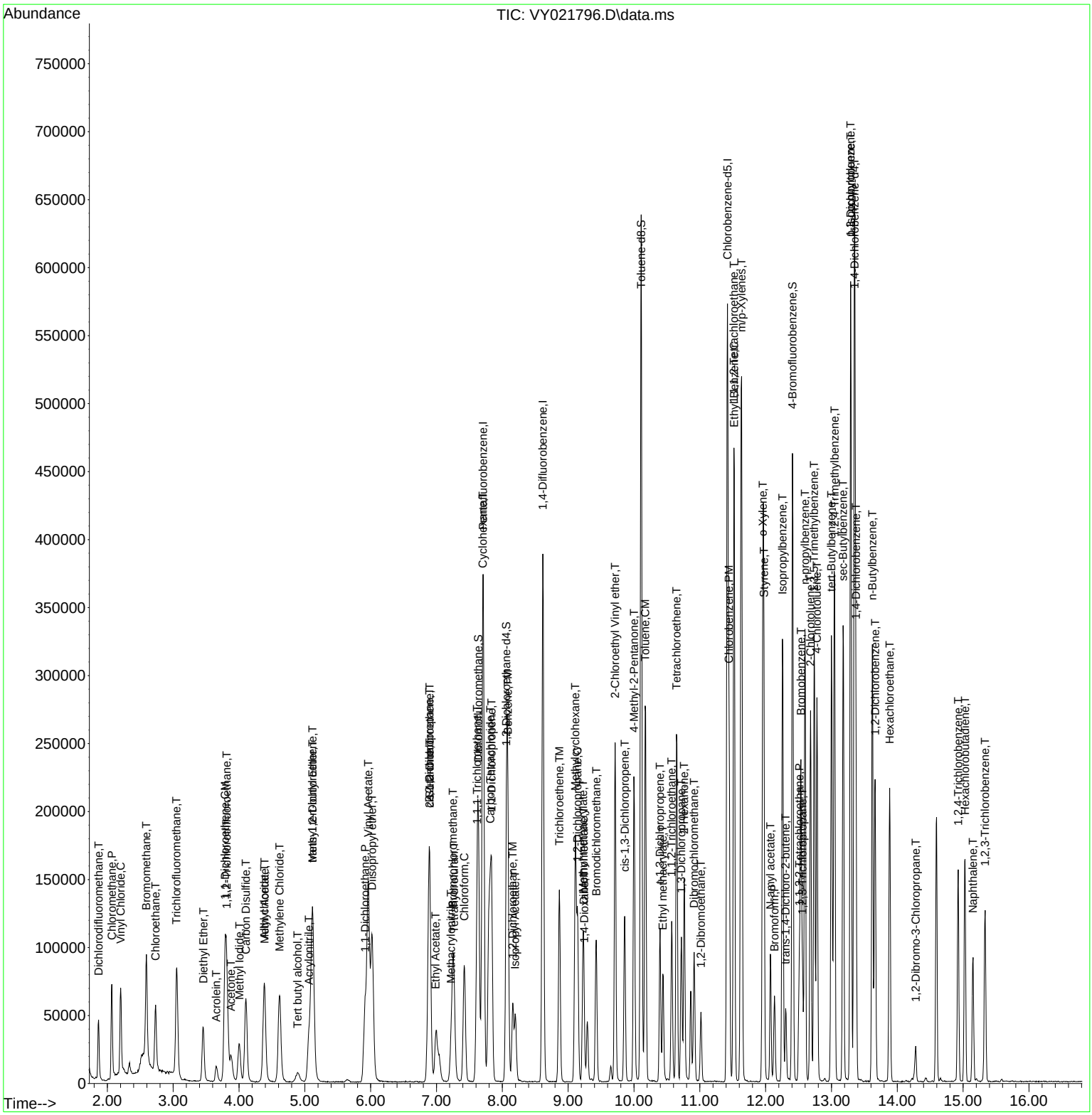
(#) = qualifier out of range (m) = manual integration (+) = signals summed

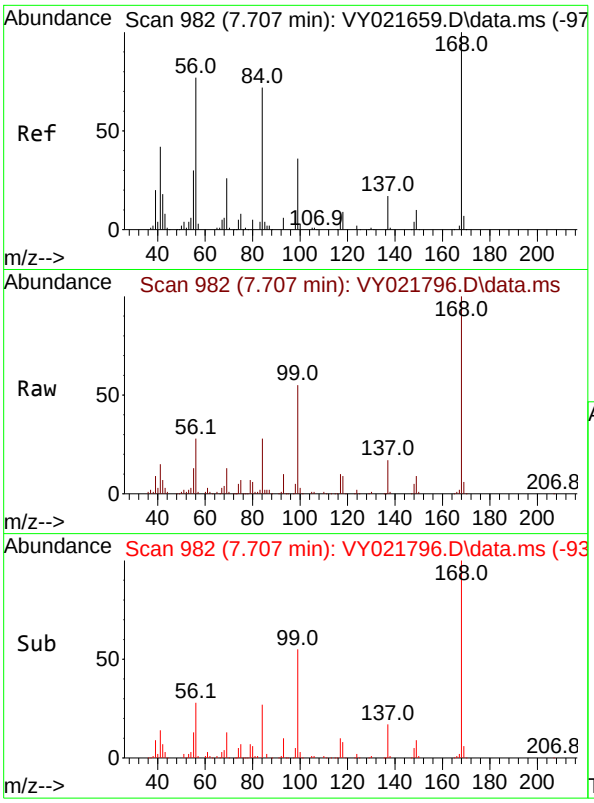
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021796.D
Acq On : 07 Apr 2025 14:07
Operator : SY/MD
Sample : VY0407SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



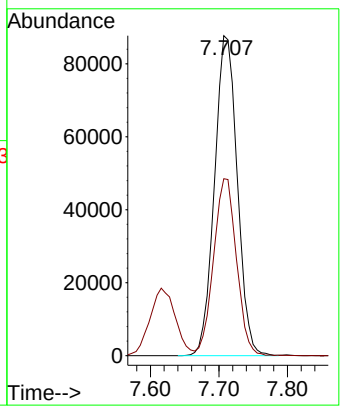


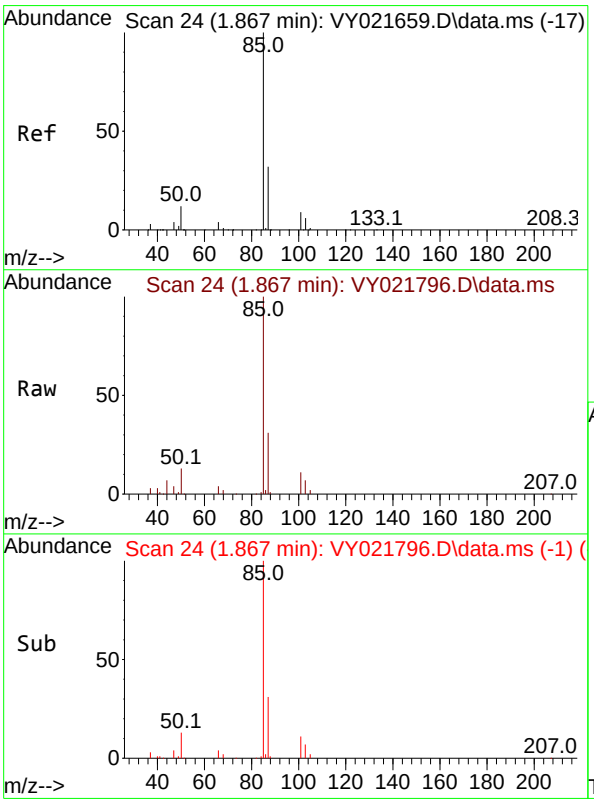
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:168 Resp: 202553

Ion	Ratio	Lower	Upper
168	100		
99	55.1	46.7	70.1

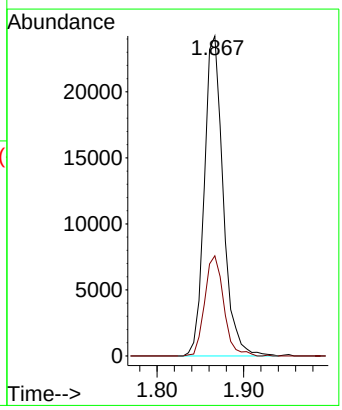


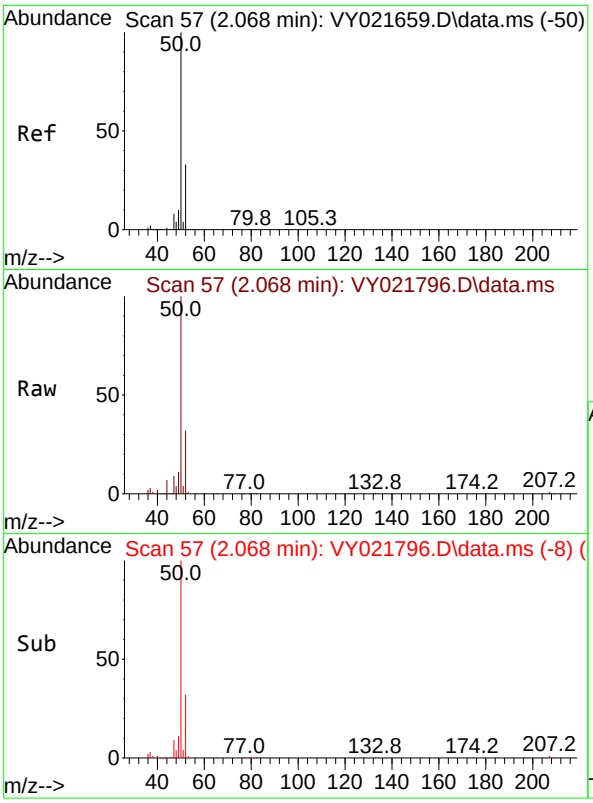


#2
Dichlorodifluoromethane
Concen: 17.377 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 85 Resp: 36481

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.2	48.6



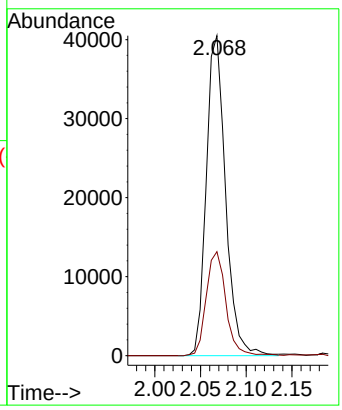


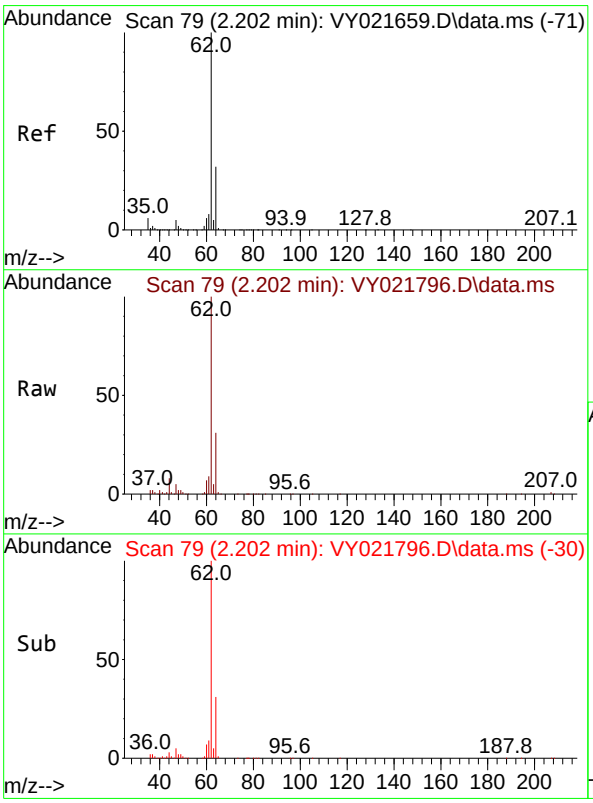
#3
Chloromethane
Concen: 20.037 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 50 Resp: 59151

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.3	39.5

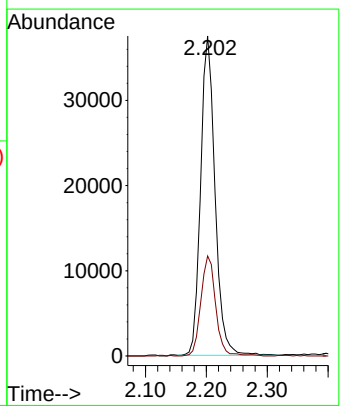


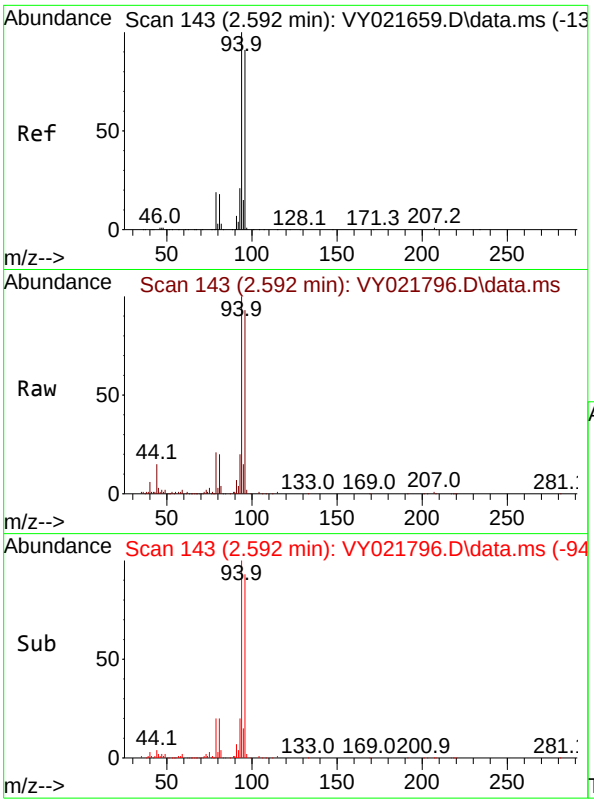


#4
Vinyl Chloride
Concen: 18.425 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 62 Resp: 61511

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.5	38.3



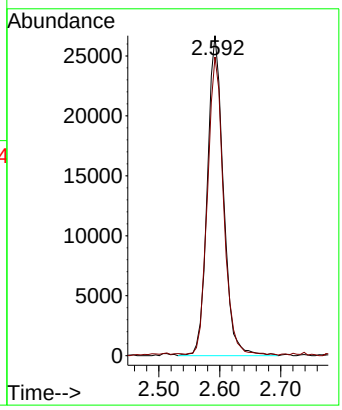


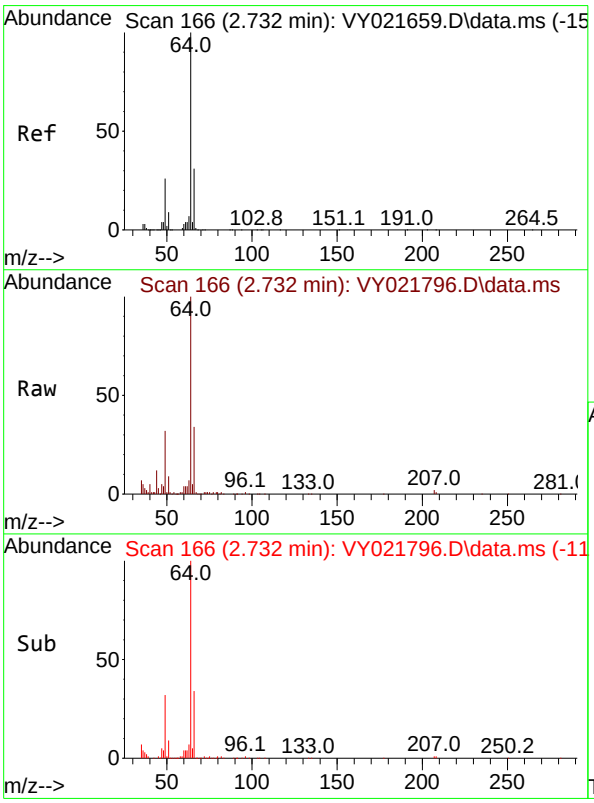
#5
Bromomethane
Concen: 21.494 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 94 Resp: 48941

Ion	Ratio	Lower	Upper
94	100		
96	93.1	72.8	109.2

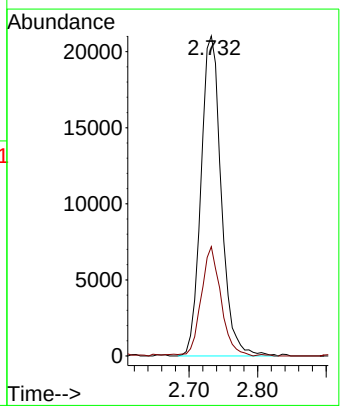


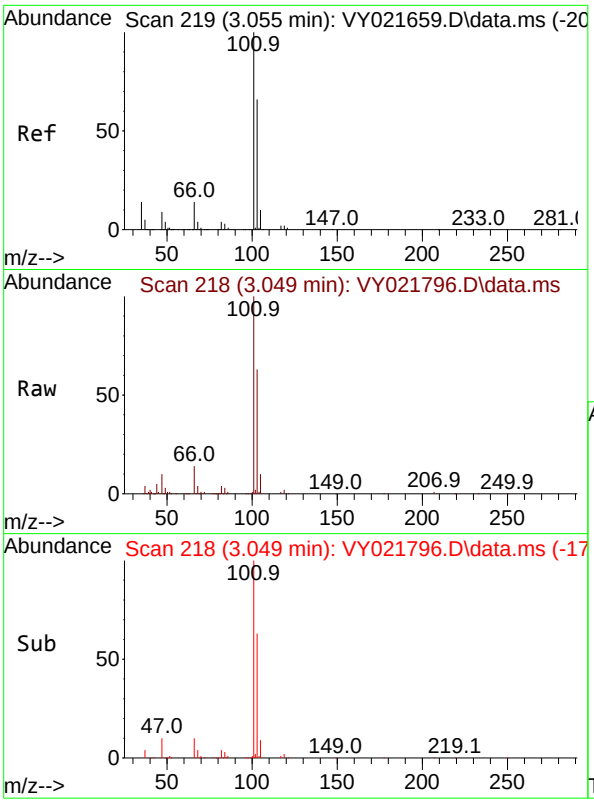


#6
Chloroethane
Concen: 19.831 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 64 Resp: 43322

Ion	Ratio	Lower	Upper
64	100		
66	34.2	24.9	37.3



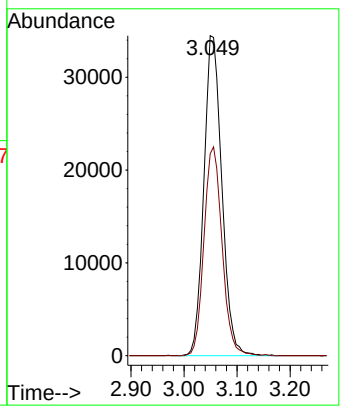


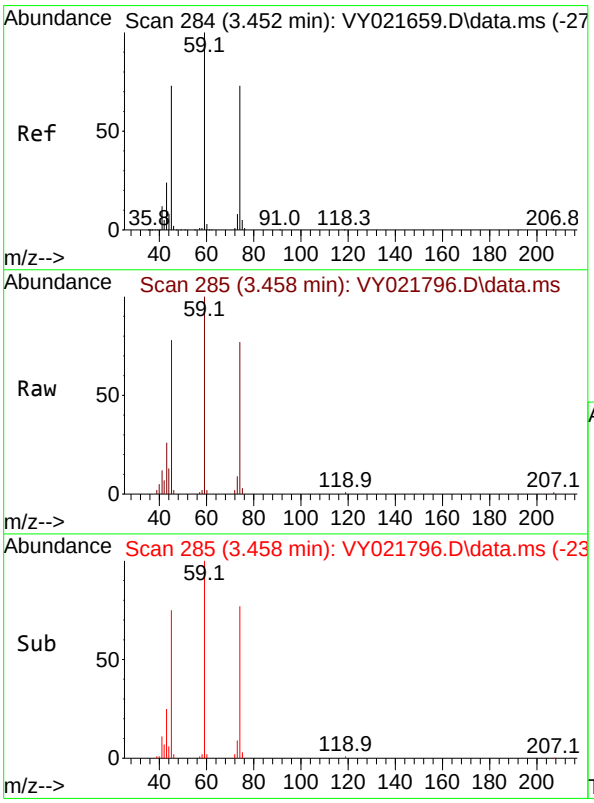
#7
Trichlorofluoromethane
Concen: 18.961 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:101 Resp: 81090

Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.1	79.7

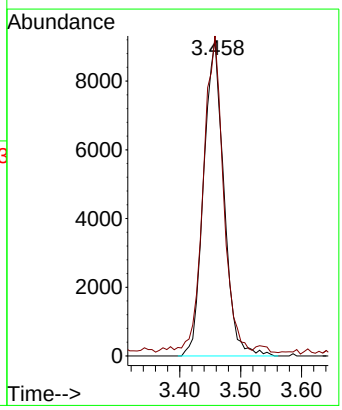


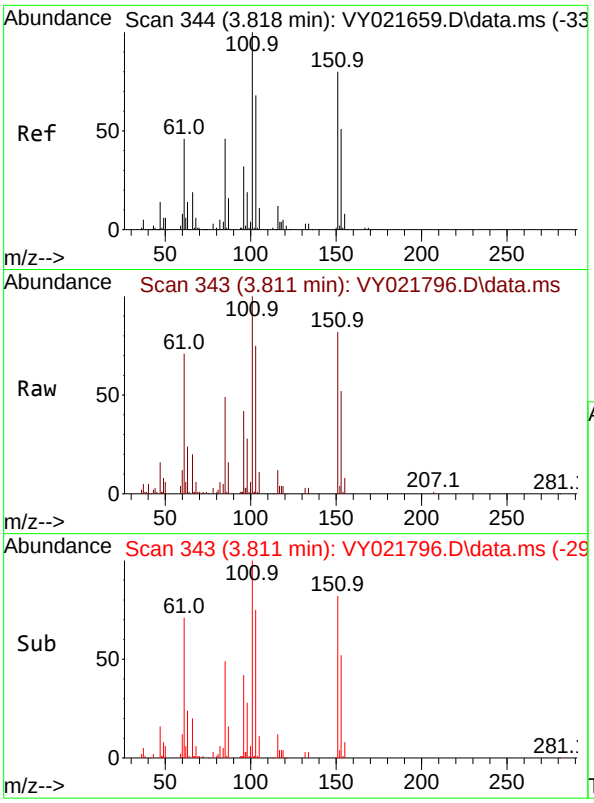


#8
Diethyl Ether
Concen: 18.227 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 74 Resp: 21199

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8



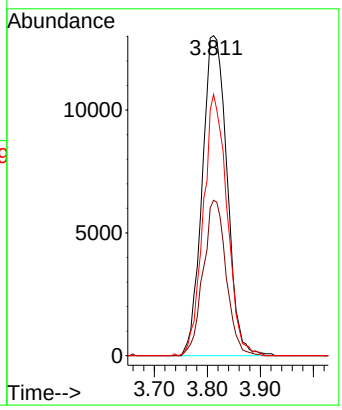


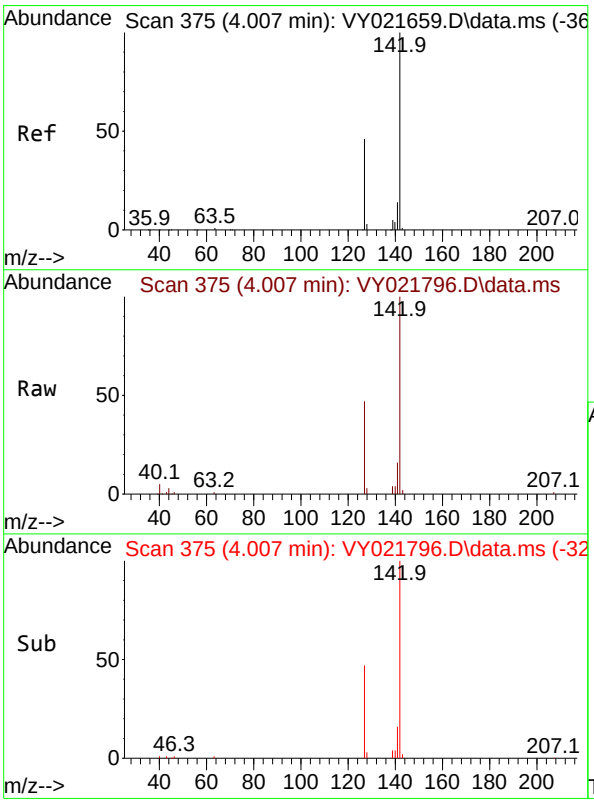
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.776 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:101 Resp: 42352

Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.3	54.5
151	78.2	61.3	91.9

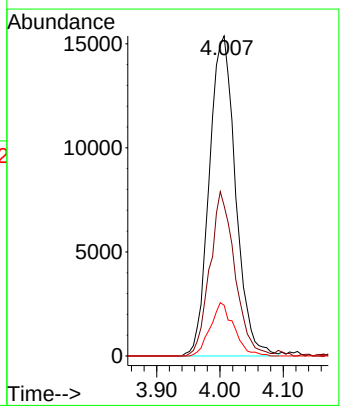


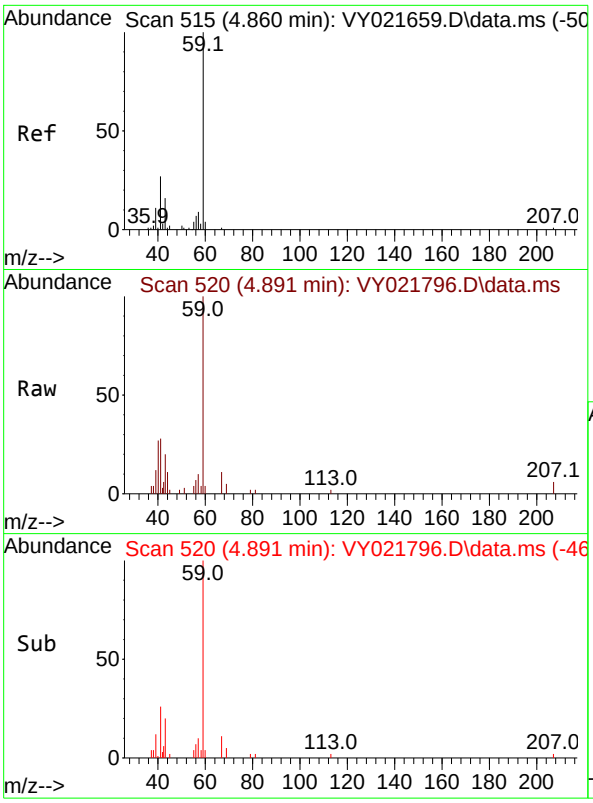


#10
Methyl Iodide
Concen: 17.931 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:142 Resp: 44371

Ion	Ratio	Lower	Upper
142	100		
127	48.7	38.7	58.1
141	15.1	11.5	17.3



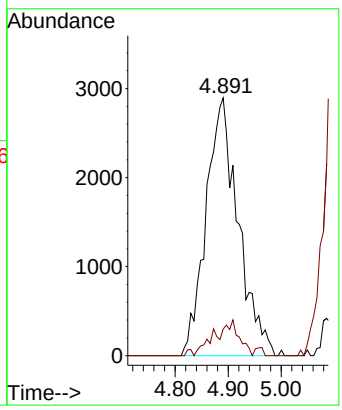


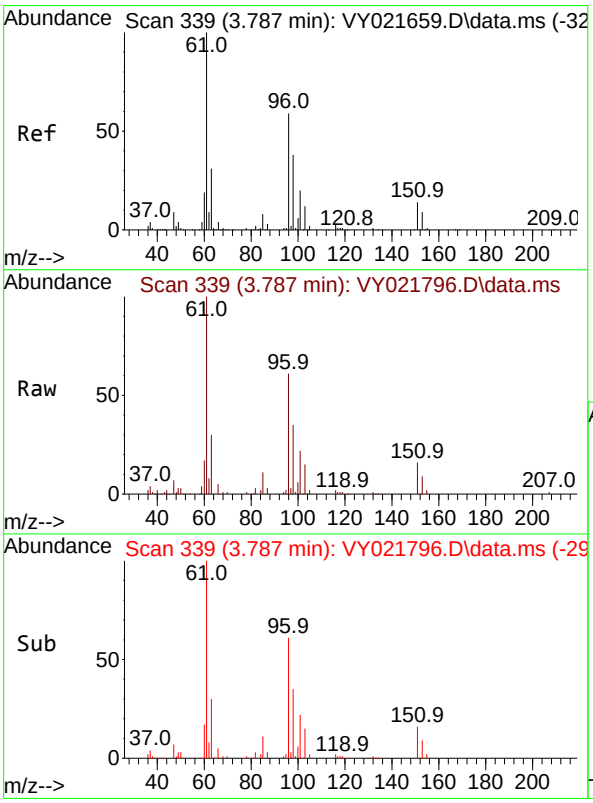
#11
Tert butyl alcohol
Concen: 85.320 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.031 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 59 Resp: 12162

Ion	Ratio	Lower	Upper
59	100		
57	6.4	9.2	13.8#

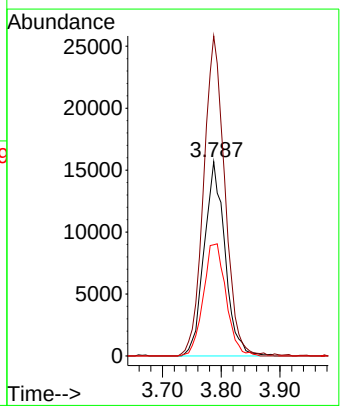


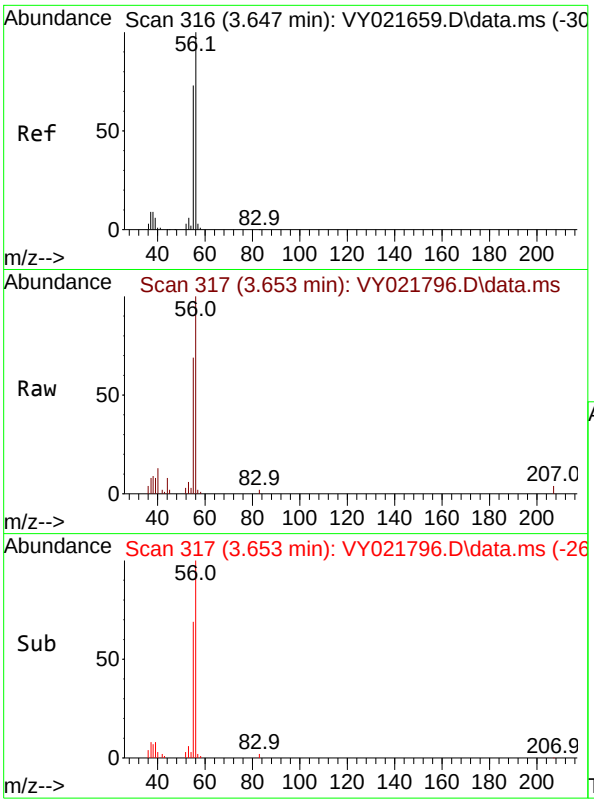


#12
1,1-Dichloroethene
Concen: 18.247 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 96 Resp: 38767

Ion	Ratio	Lower	Upper
96	100		
61	164.7	136.6	204.8
98	57.3	52.3	78.5



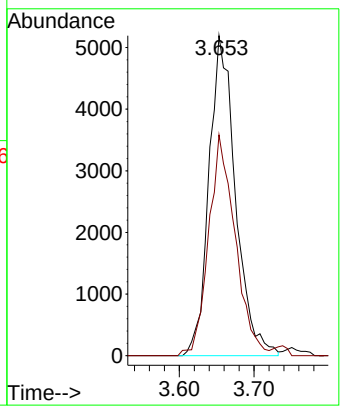


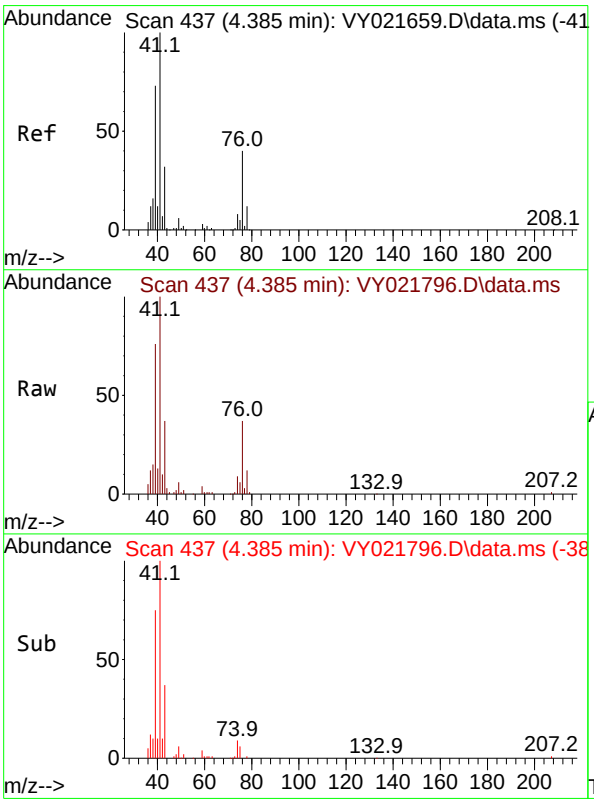
#13
Acrolein
Concen: 49.166 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 56 Resp: 12797

Ion	Ratio	Lower	Upper
56	100		
55	69.0	56.6	85.0

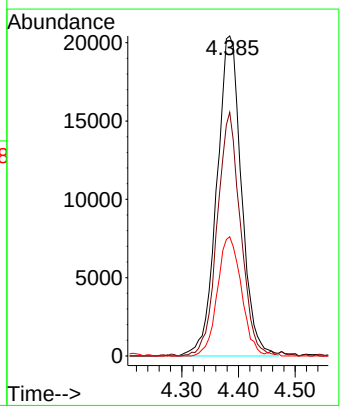


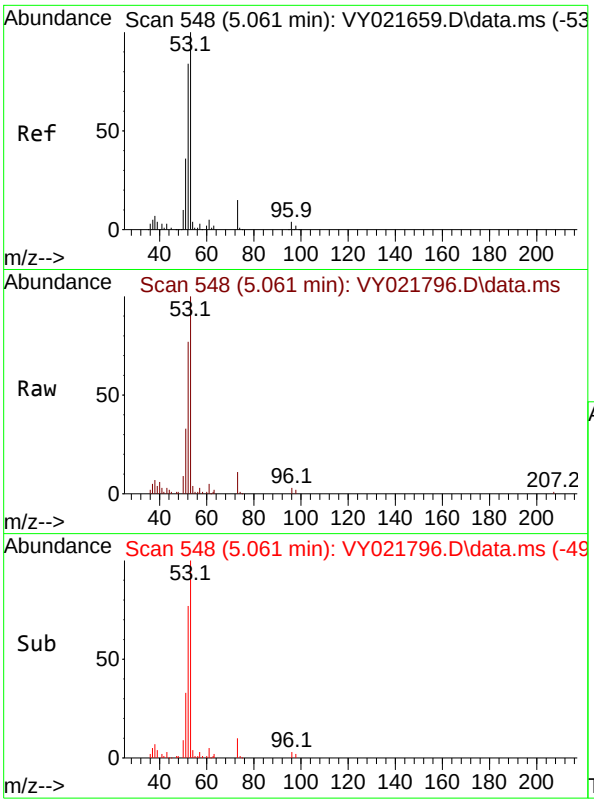


#14
Allyl chloride
Concen: 18.233 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 41 Resp: 61765

Ion	Ratio	Lower	Upper
41	100		
39	72.0	58.6	88.0
76	36.5	30.3	45.5



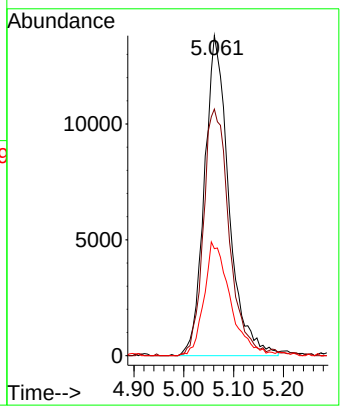


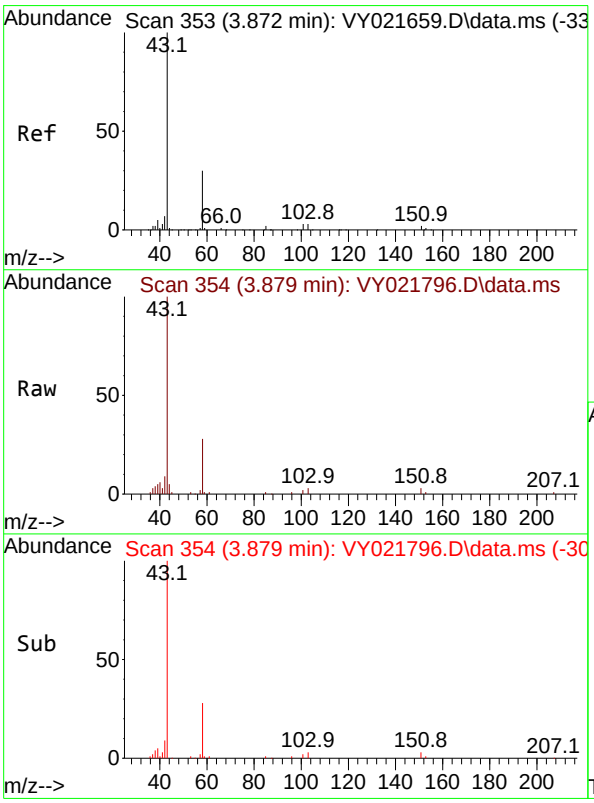
#15
Acrylonitrile
Concen: 96.790 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 53 Resp: 47002

Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.9	97.3
51	38.1	30.2	45.2

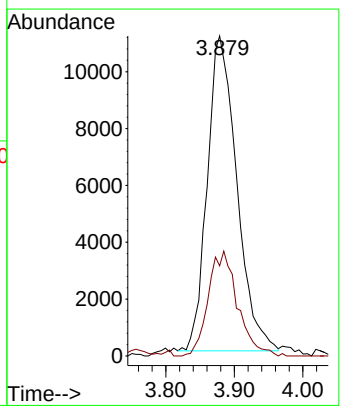


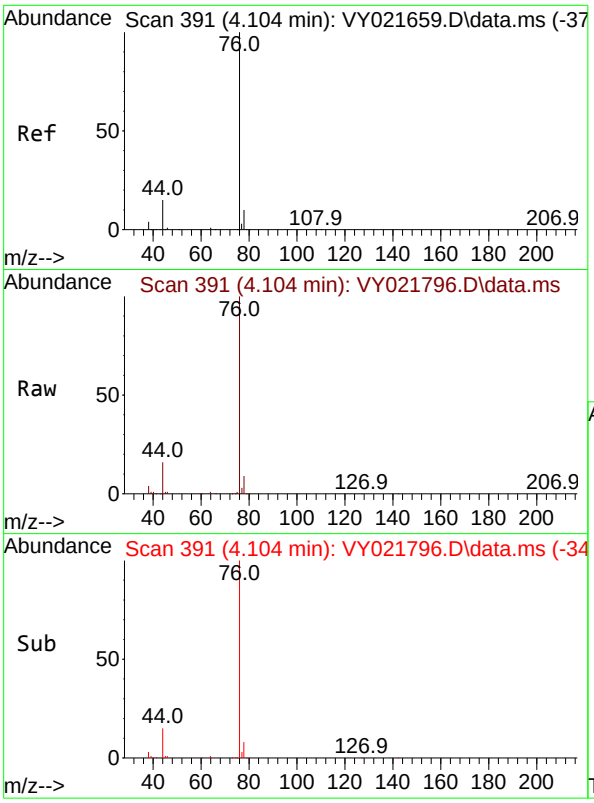


#16
Acetone
Concen: 73.773 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 33135

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4



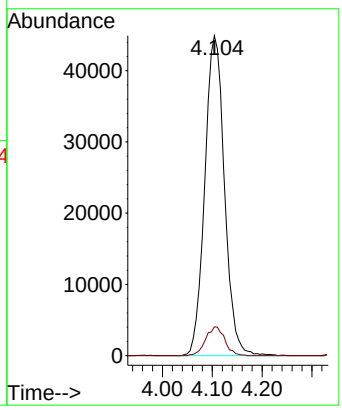


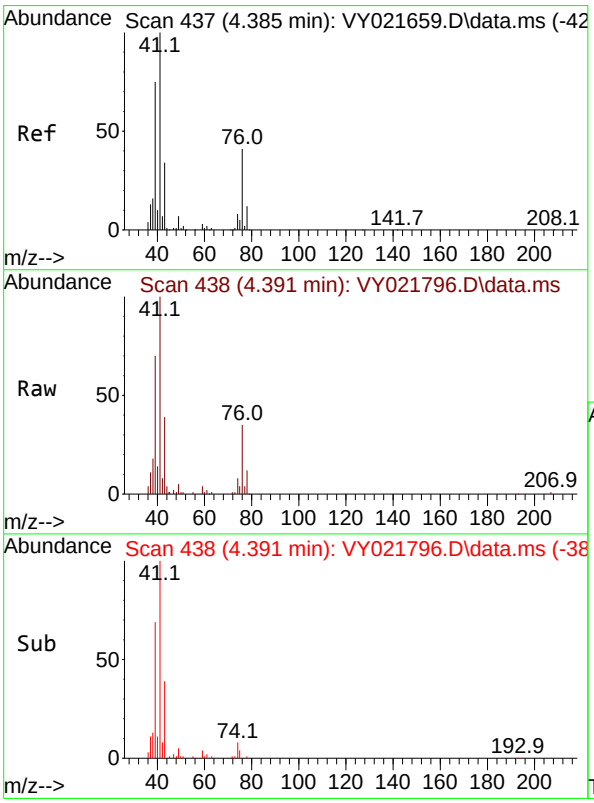
#17
Carbon Disulfide
Concen: 17.610 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 76 Resp: 123232

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

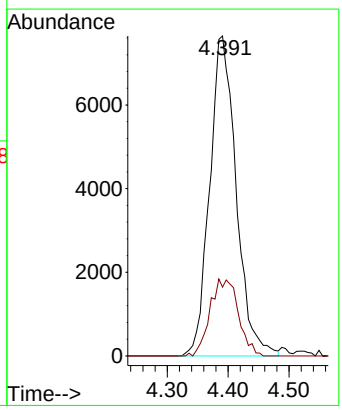


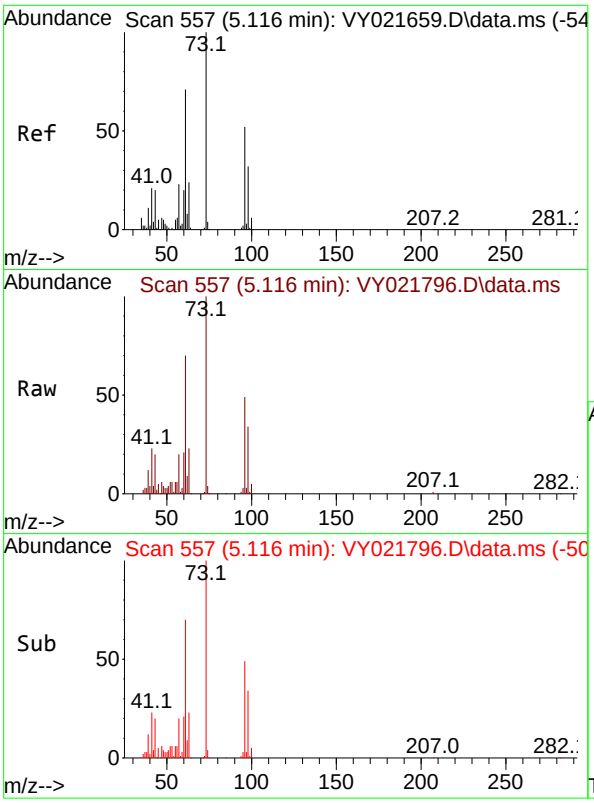


#18
Methyl Acetate
Concen: 20.791 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 23144

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.1	28.7



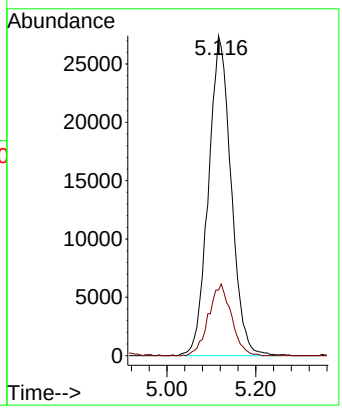


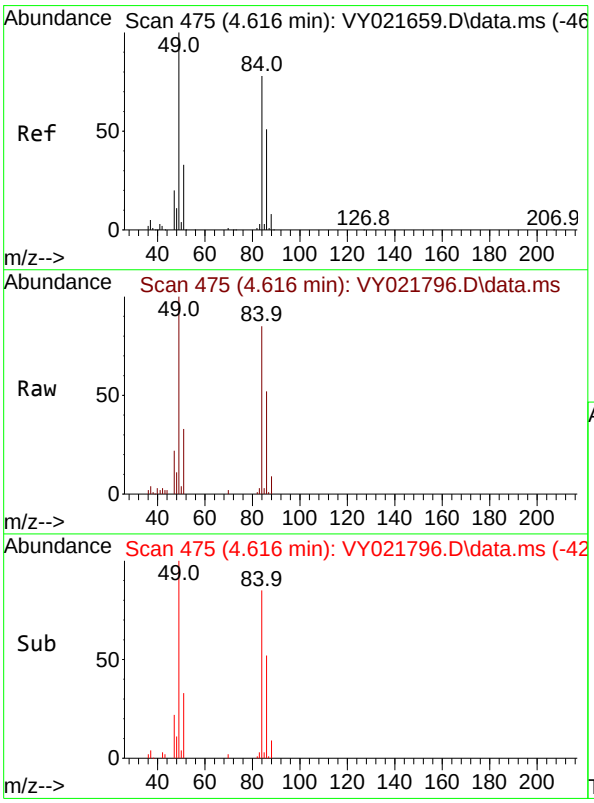
#19
Methyl tert-butyl Ether
Concen: 18.352 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 73 Resp: 97072

Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.1	27.1

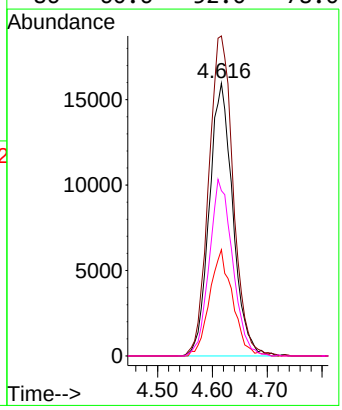


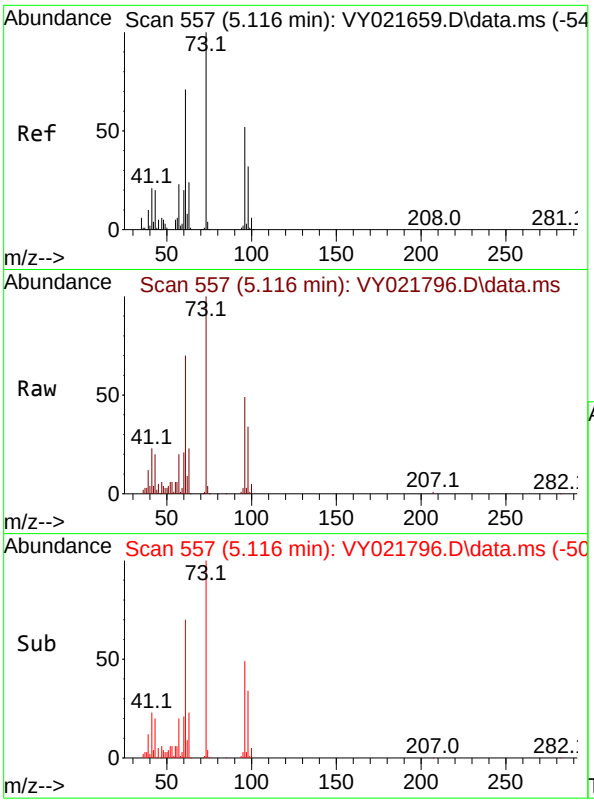


#20
Methylene Chloride
Concen: 19.254 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 84 Resp: 47543

Ion	Ratio	Lower	Upper
84	100		
49	117.4	102.8	154.2
51	39.0	33.5	50.3
86	60.6	52.0	78.0



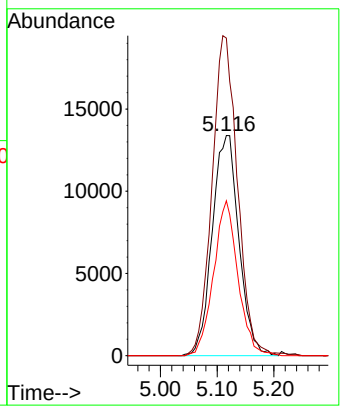


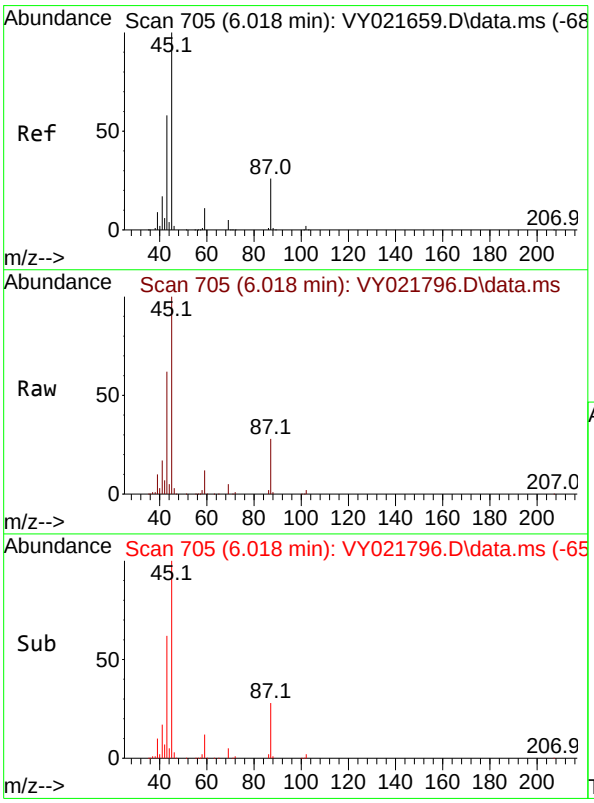
#21
trans-1,2-Dichloroethene
Concen: 18.687 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 96 Resp: 43713

Ion	Ratio	Lower	Upper
96	100		
61	144.3	109.4	164.0
98	70.4	50.2	75.2

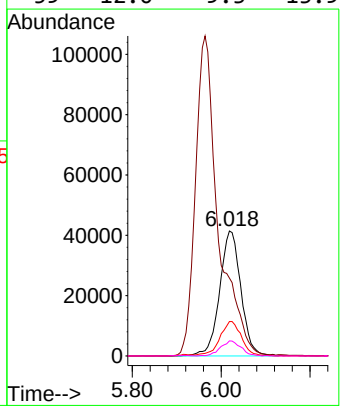


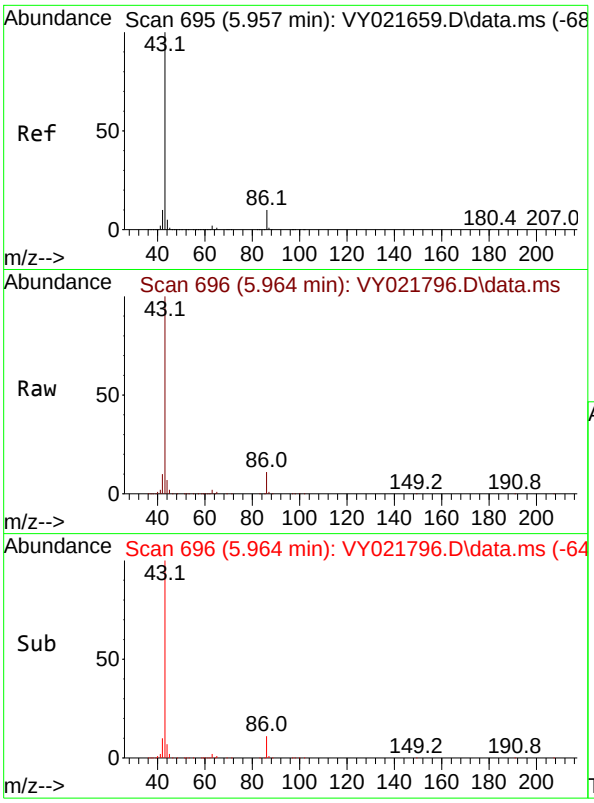


#22
Diisopropyl ether
Concen: 19.324 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 45 Resp: 137320

Ion	Ratio	Lower	Upper
45	100		
43	61.3	46.6	69.8
87	27.5	20.7	31.1
59	12.0	9.3	13.9



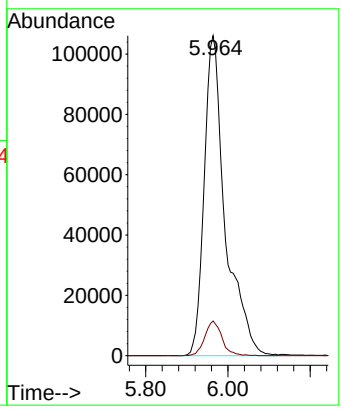


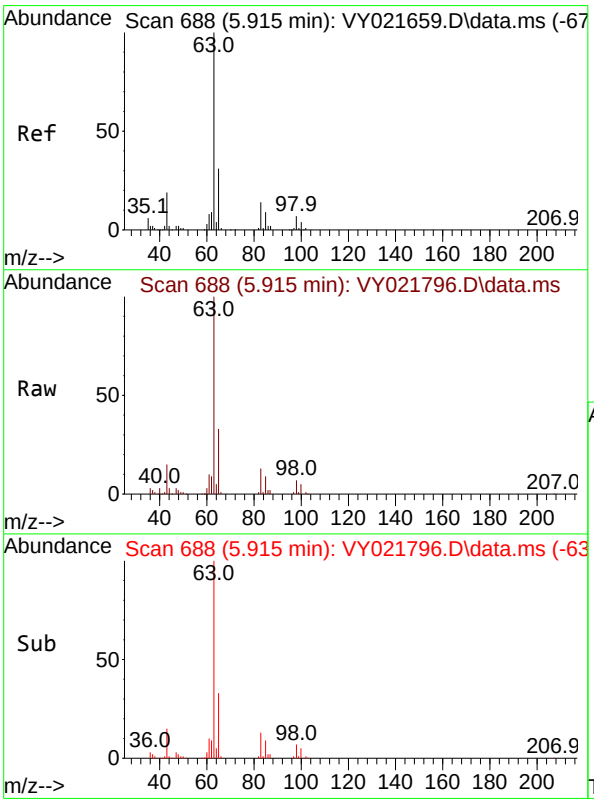
#23
Vinyl Acetate
Concen: 90.951 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 43 Resp: 378088

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.2	12.2

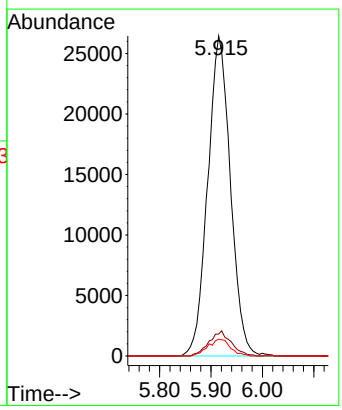


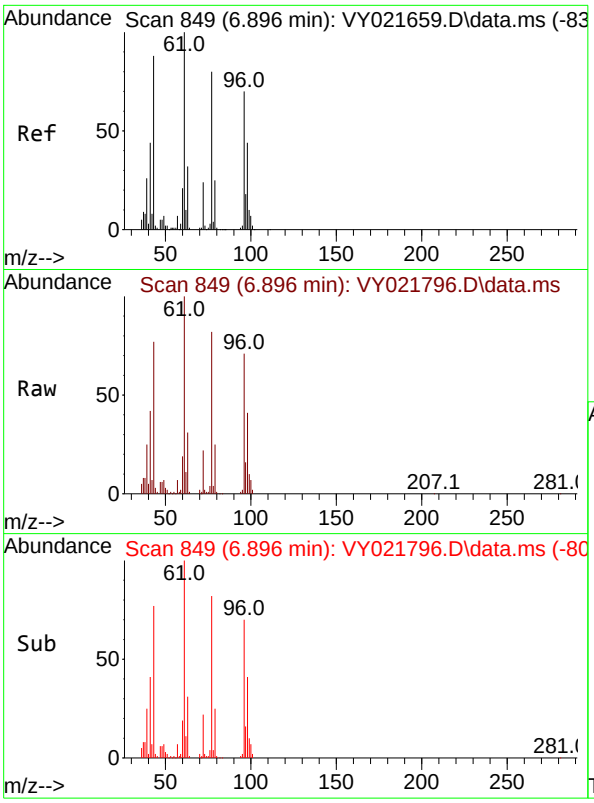


#24
1,1-Dichloroethane
Concen: 19.127 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 63 Resp: 81273

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	5.3	2.2	6.6



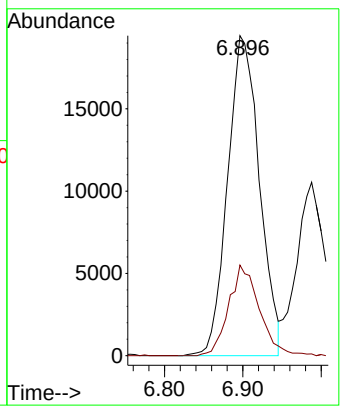


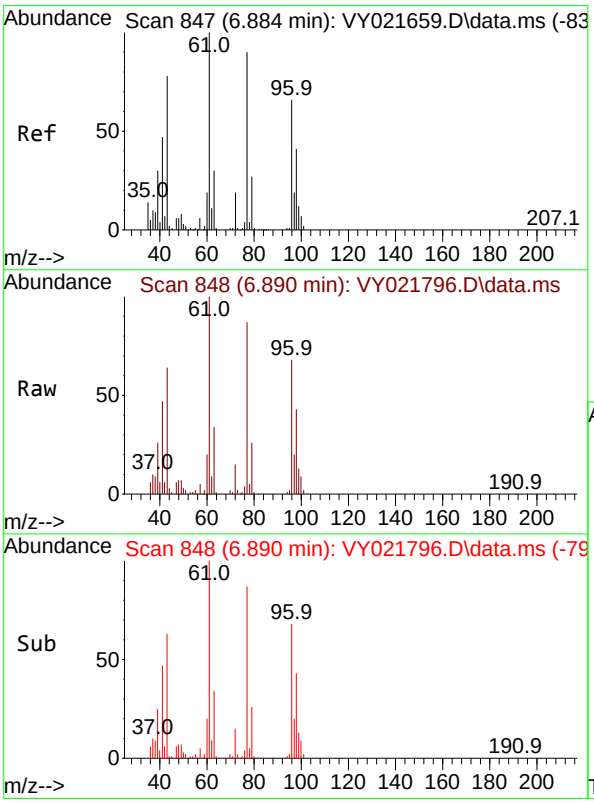
#25
2-Butanone
Concen: 85.526 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 43 Resp: 54867

Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.4	32.2

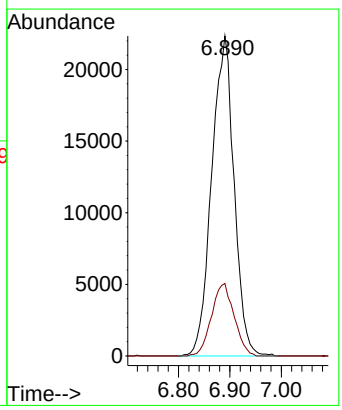


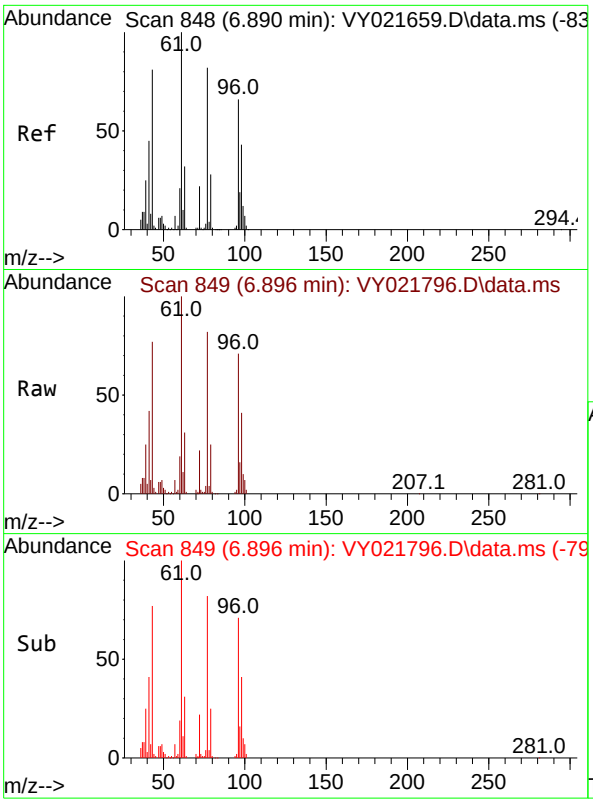


#26
2,2-Dichloropropane
Concen: 17.837 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 77 Resp: 67416

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.1	33.1



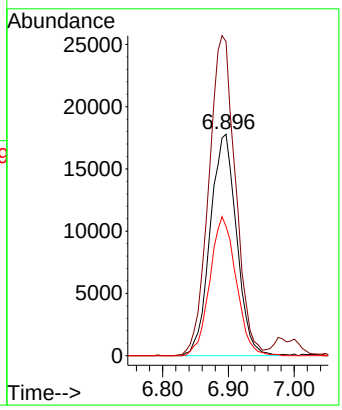


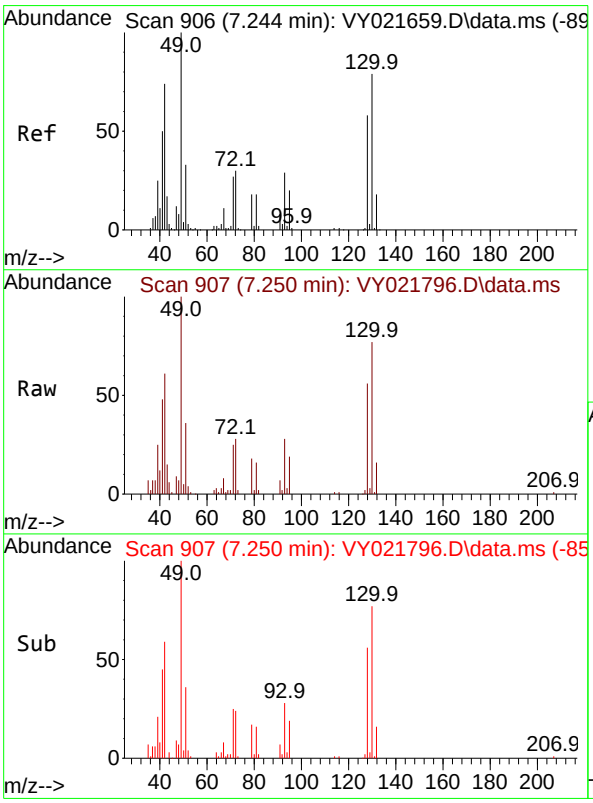
#27
cis-1,2-Dichloroethene
Concen: 18.874 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 96 Resp: 49651

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	296.4
98	62.6	0.0	128.0

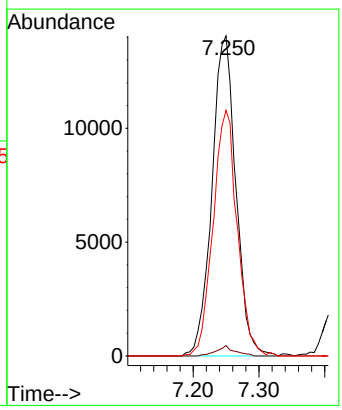


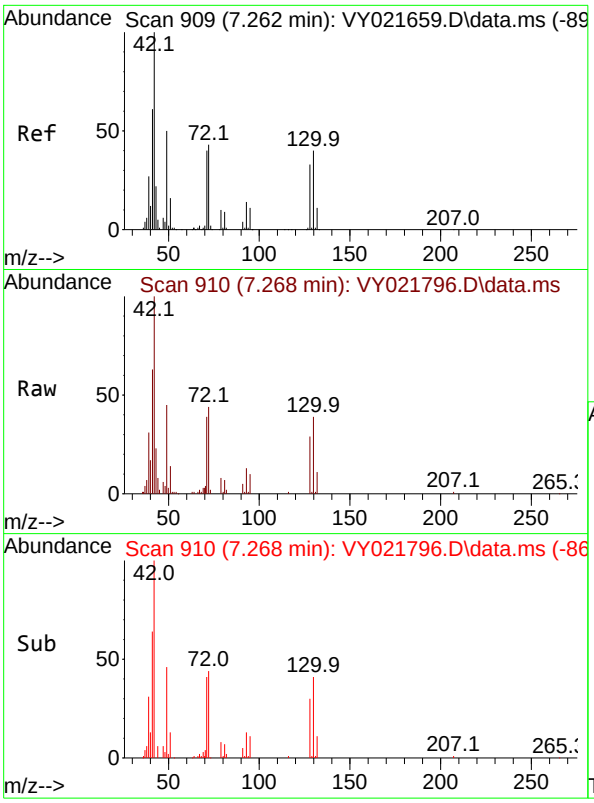


#28
Bromochloromethane
Concen: 19.870 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 49 Resp: 35606

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	77.4	60.1	90.1



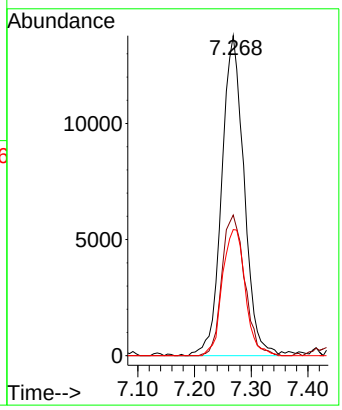


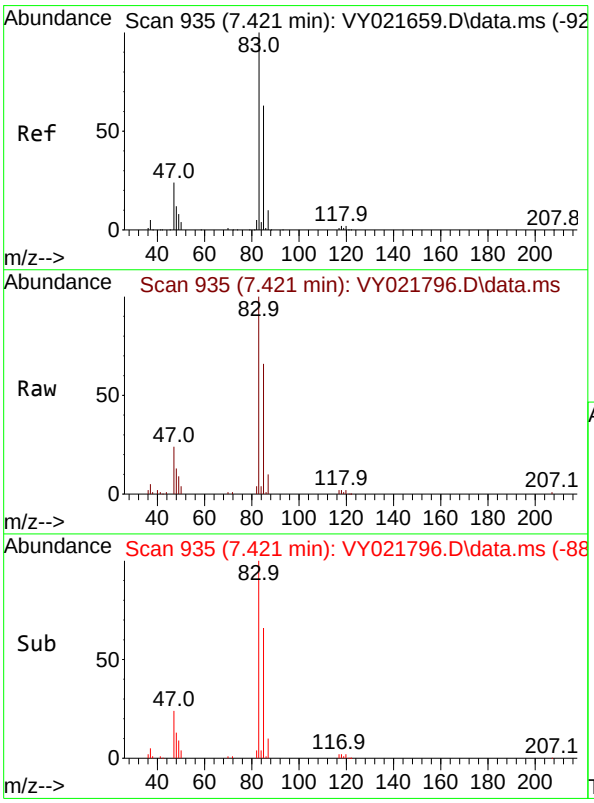
#29
Tetrahydrofuran
Concen: 91.436 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 42 Resp: 37752

Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	52.0
71	40.4	32.5	48.7

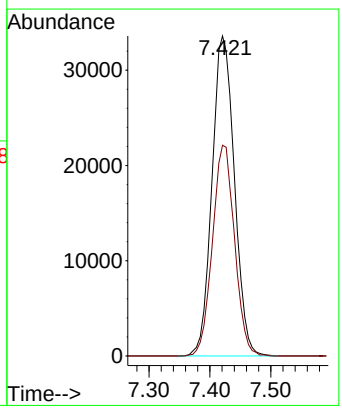


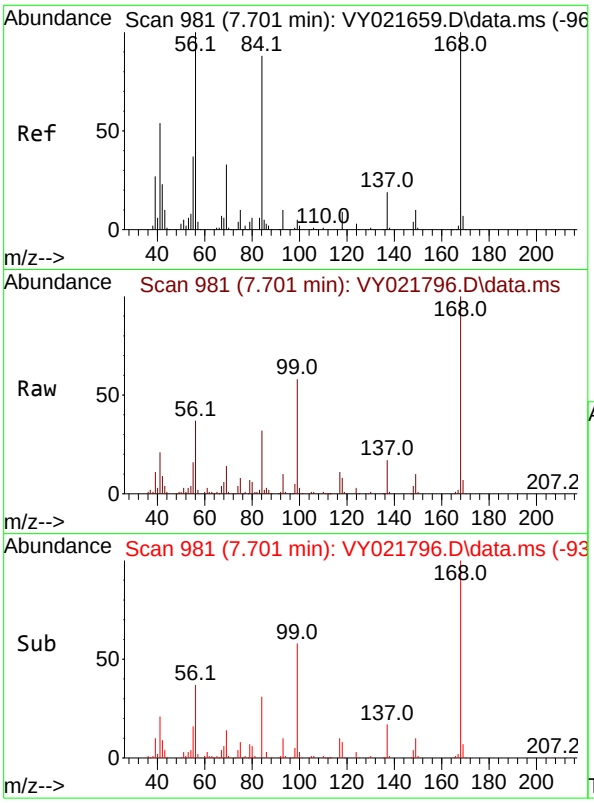


#30
Chloroform
Concen: 19.386 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 83 Resp: 85674

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.6	75.8



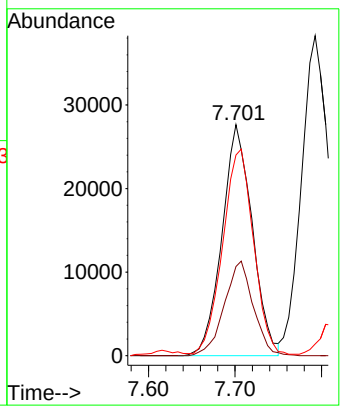


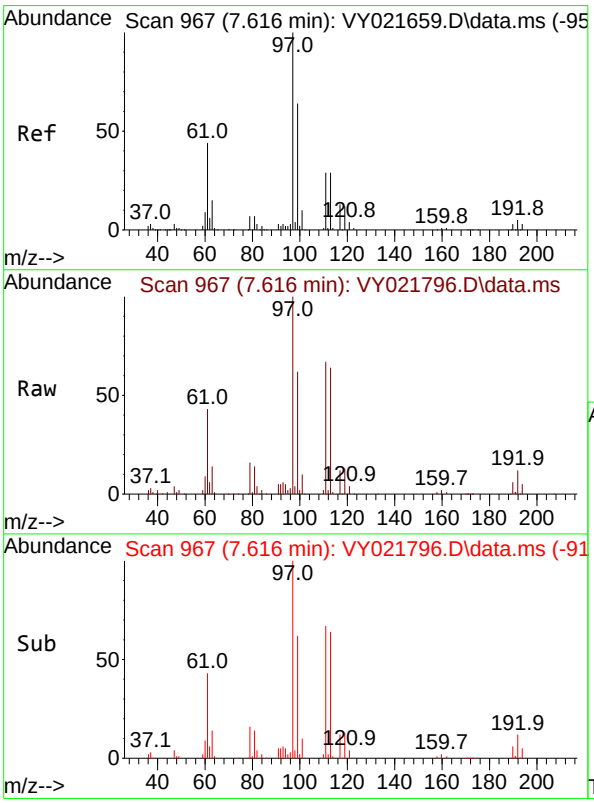
#31
Cyclohexane
Concen: 17.333 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 56 Resp: 67135

Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.6	40.0
84	85.2	69.0	103.4

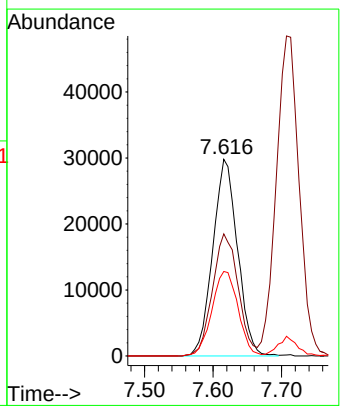


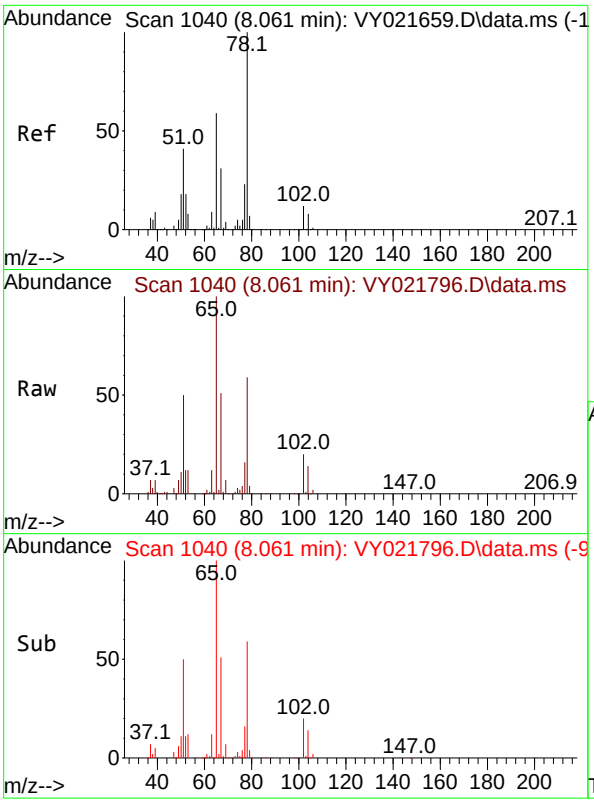


#32
1,1,1-Trichloroethane
Concen: 18.687 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 97 Resp: 74644

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.7	76.1
61	45.4	35.2	52.8



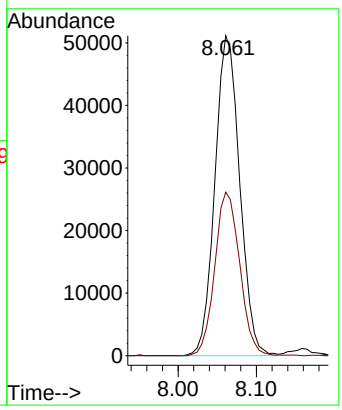


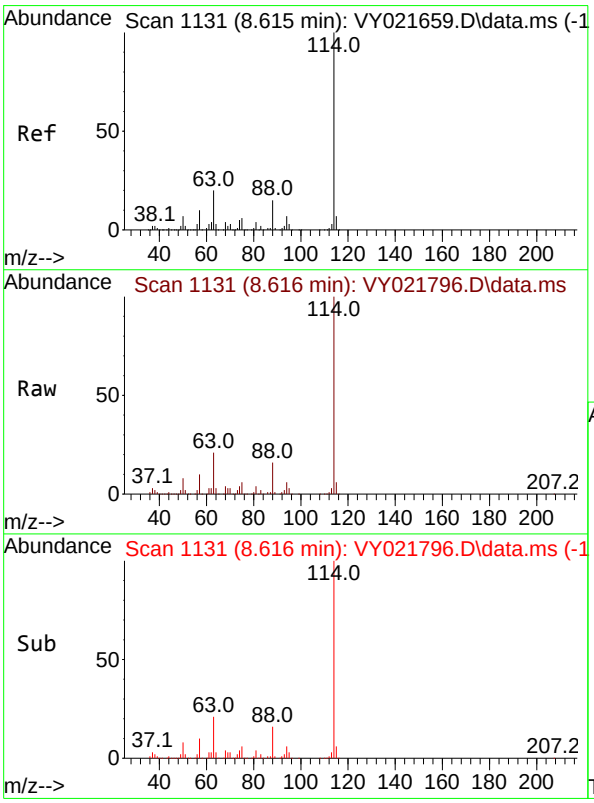
#33
1,2-Dichloroethane-d4
Concen: 51.360 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 65 Resp: 112714

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6

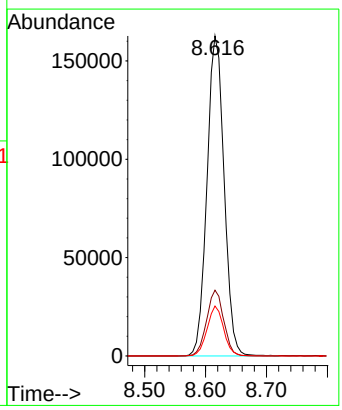


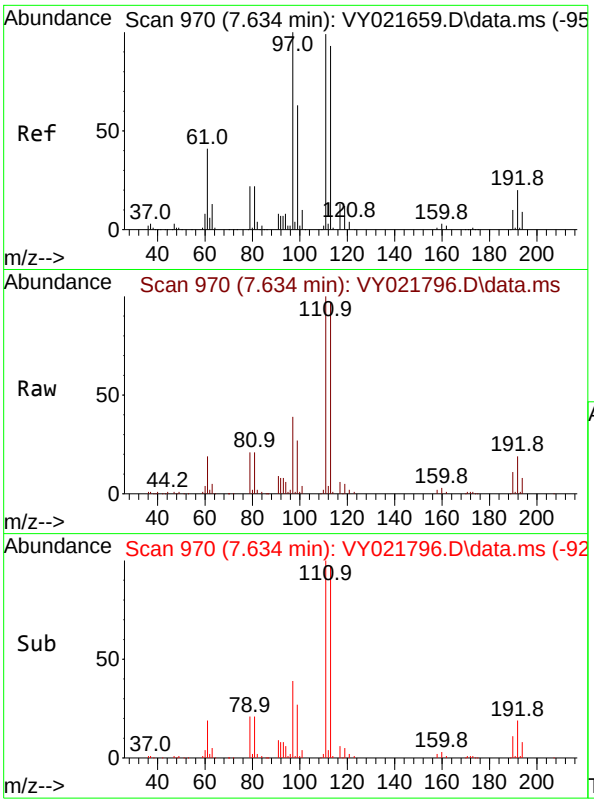


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:114 Resp: 317911

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.6	0.0	29.8



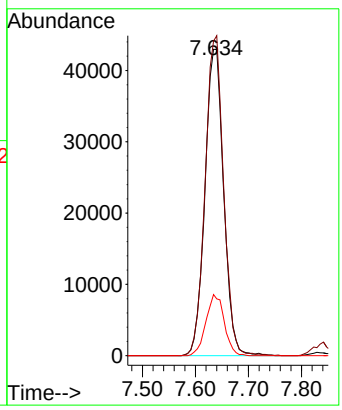


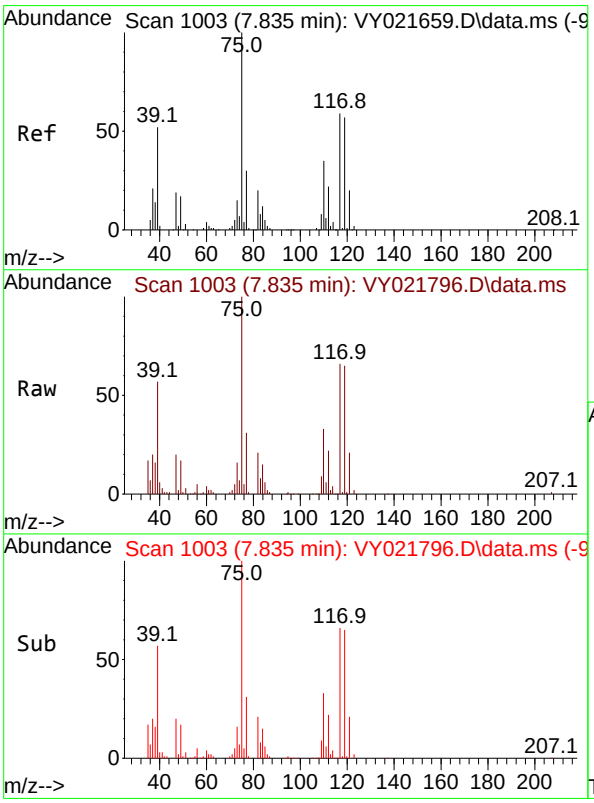
#35
Dibromofluoromethane
Concen: 51.133 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:113 Resp: 105448

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.5	16.2	24.4

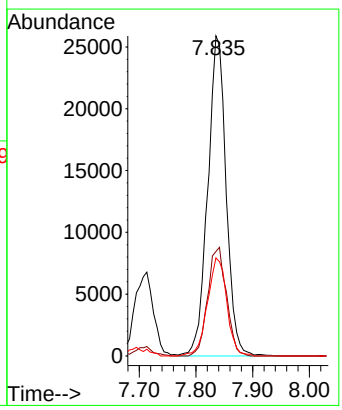


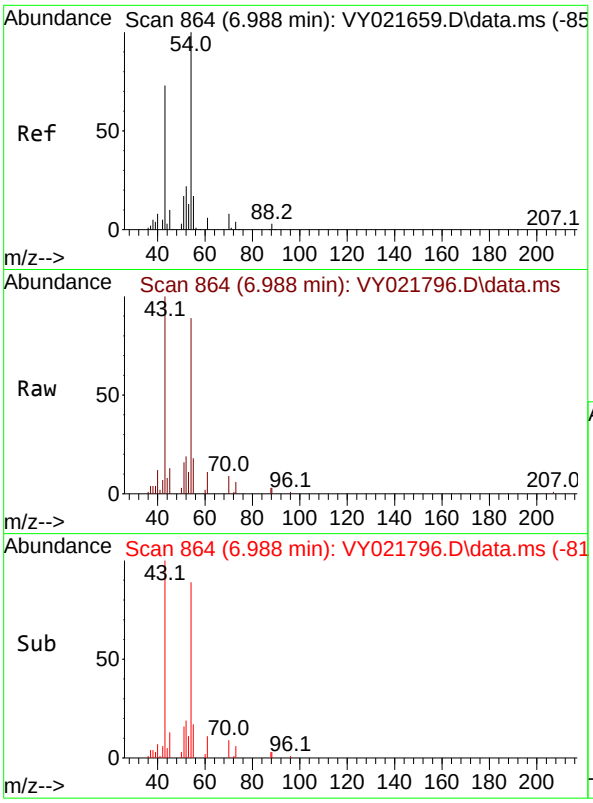


#36
1,1-Dichloropropene
Concen: 18.597 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 58414

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	50.9
77	32.2	24.8	37.2



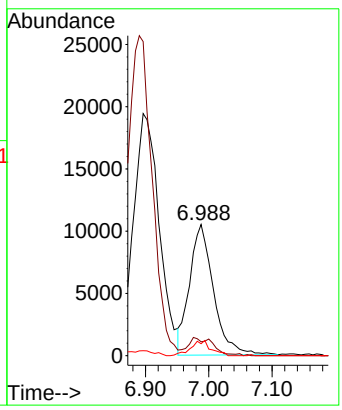


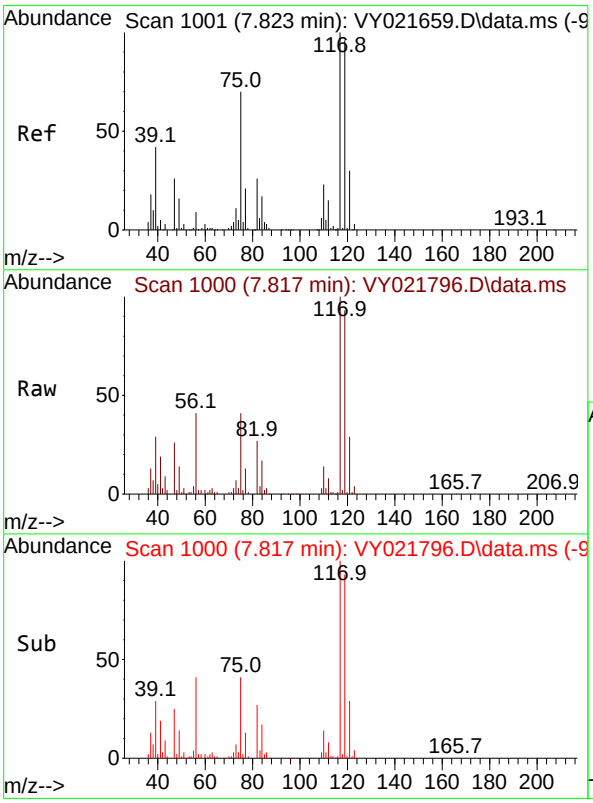
#37
Ethyl Acetate
Concen: 18.694 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 43 Resp: 27713

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	9.6	8.1	12.1

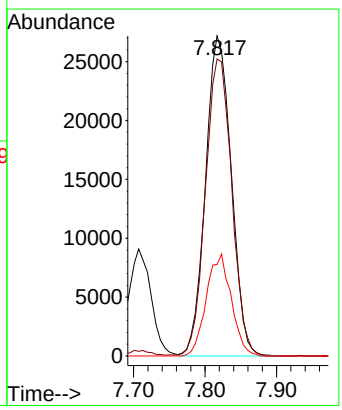


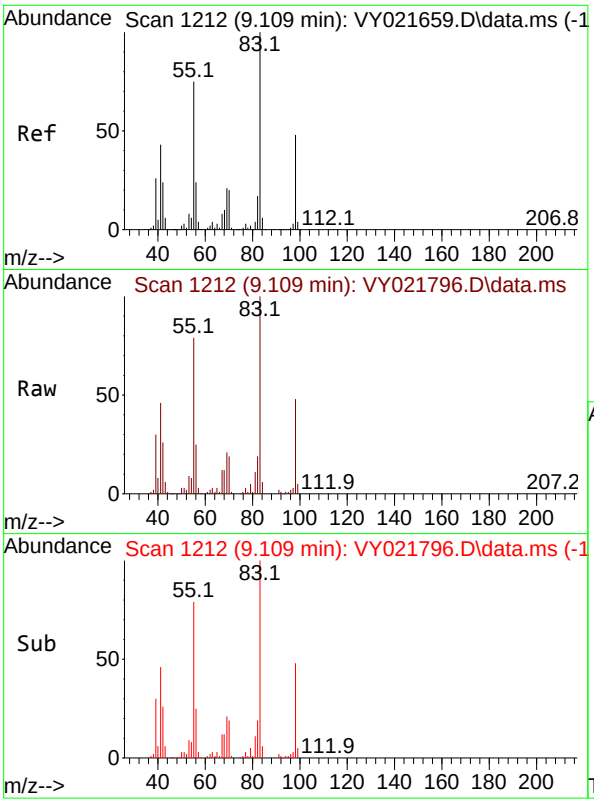


#38
Carbon Tetrachloride
Concen: 18.934 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:117 Resp: 68118

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.2	114.4
121	28.6	24.2	36.4



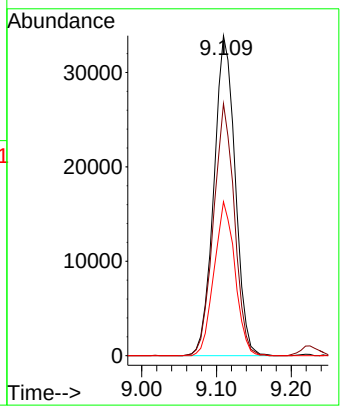


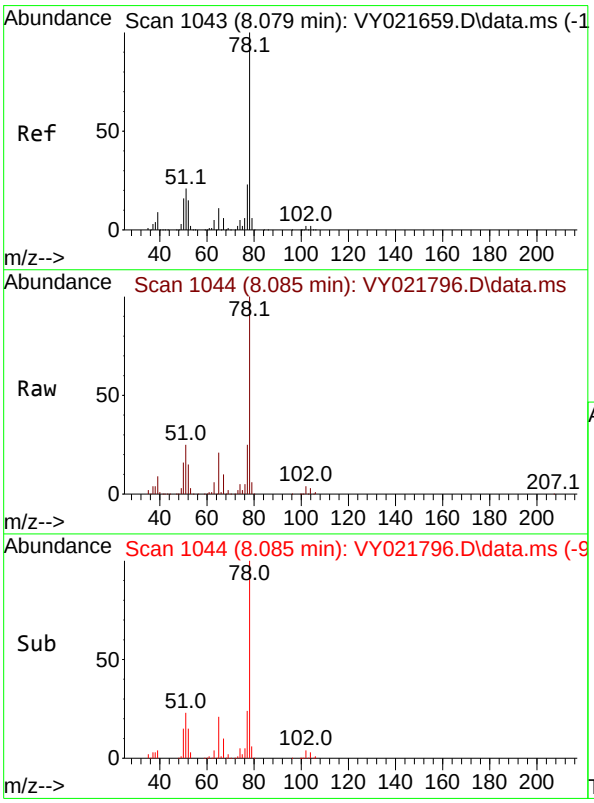
#39
Methylcyclohexane
Concen: 17.939 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 83 Resp: 67315

Ion	Ratio	Lower	Upper
83	100		
55	78.8	59.7	89.5
98	48.1	38.3	57.5

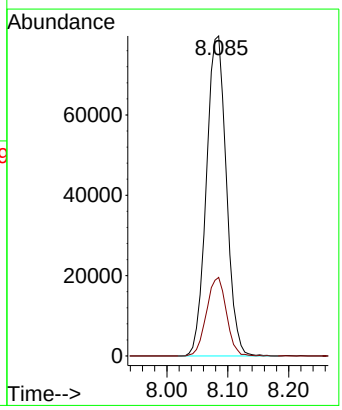


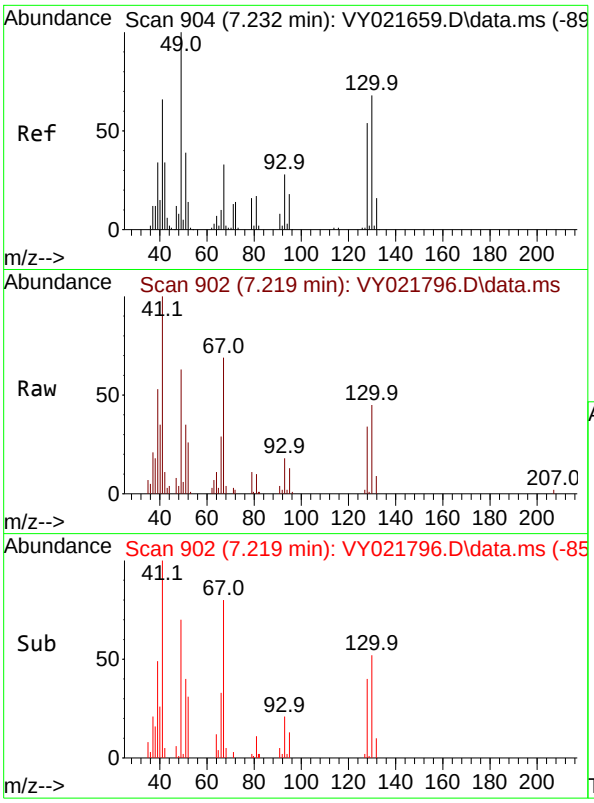


#40
Benzene
Concen: 19.264 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 78 Resp: 181213

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



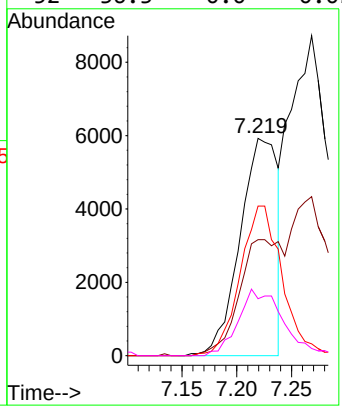


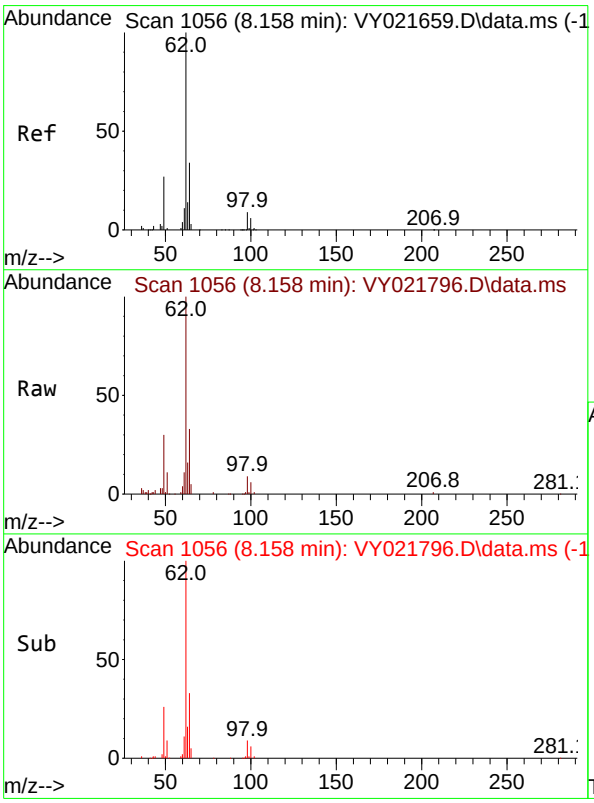
#41
Methacrylonitrile
Concen: 17.999 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 41 Resp: 14170

Ion	Ratio	Lower	Upper
41	100		
39	62.3	0.0	0.0#
67	77.1	0.0	0.0#
52	36.3	0.0	0.0#

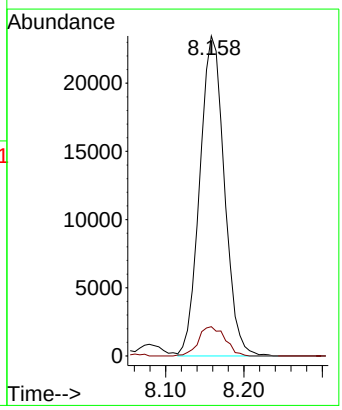


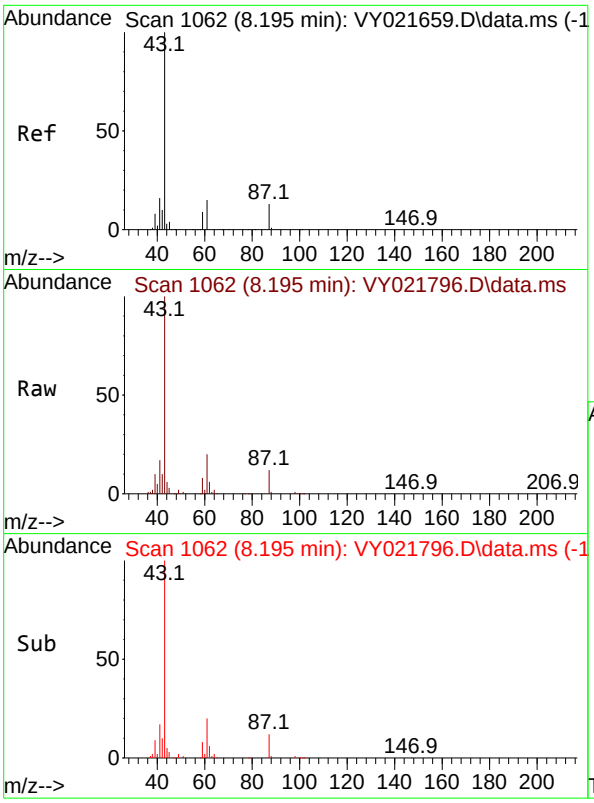


#42
1,2-Dichloroethane
Concen: 19.317 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 62 Resp: 51227

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4



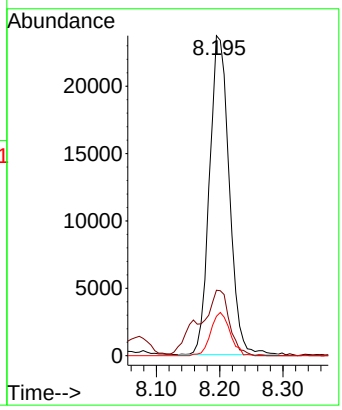


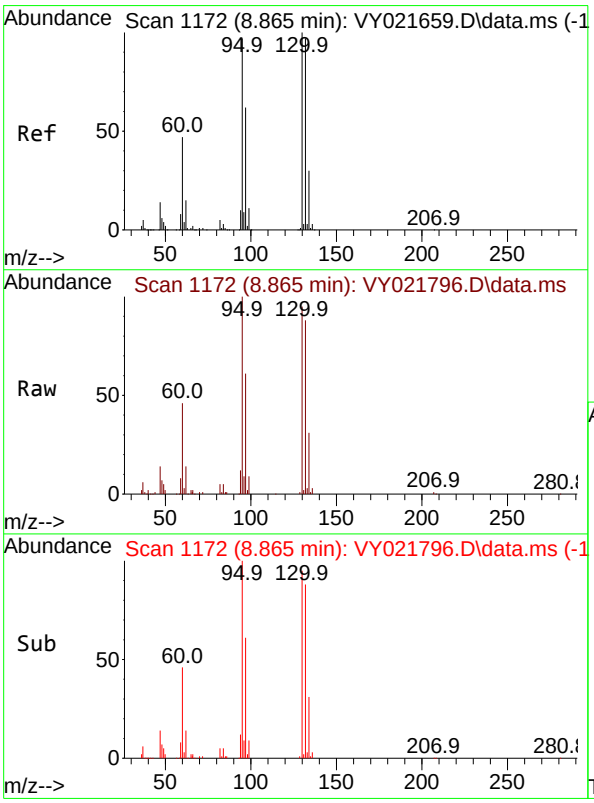
#43
Isopropyl Acetate
Concen: 18.225 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 43 Resp: 51199

Ion	Ratio	Lower	Upper
43	100		
61	21.9	15.9	23.9
87	13.2	10.4	15.6

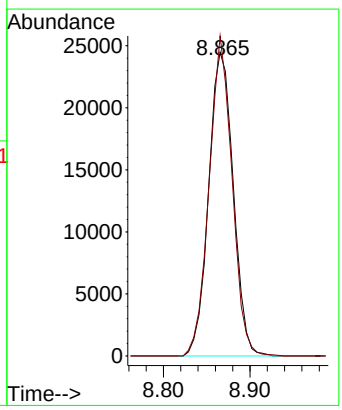


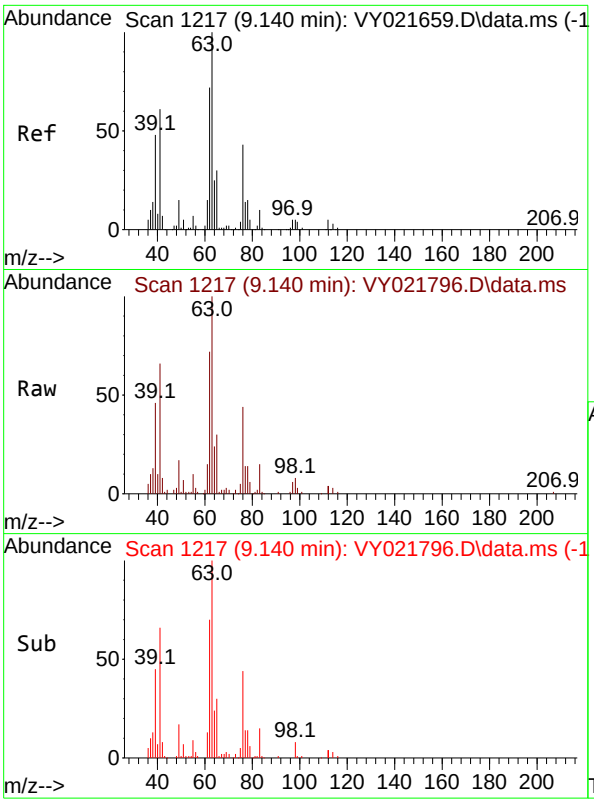


#44
Trichloroethene
Concen: 20.156 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:130 Resp: 48310

Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	194.8



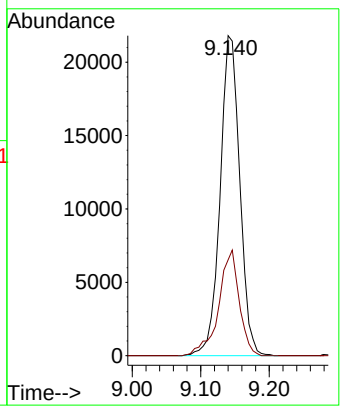


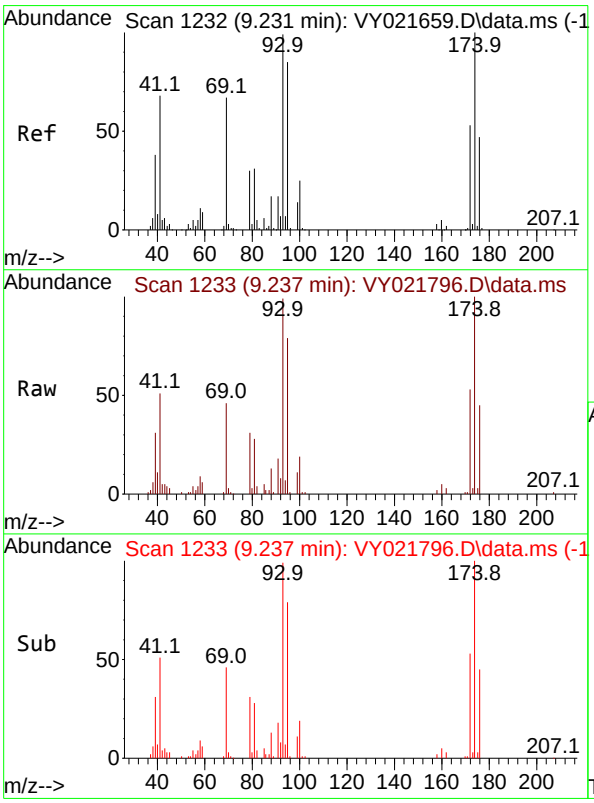
#45
1,2-Dichloropropane
Concen: 19.451 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 63 Resp: 43310

Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.4	36.6

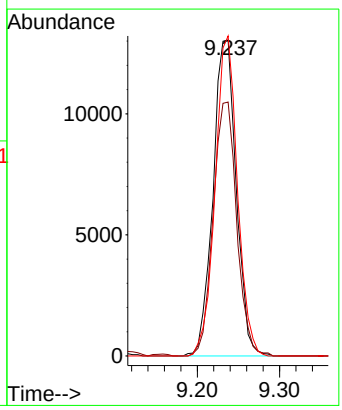


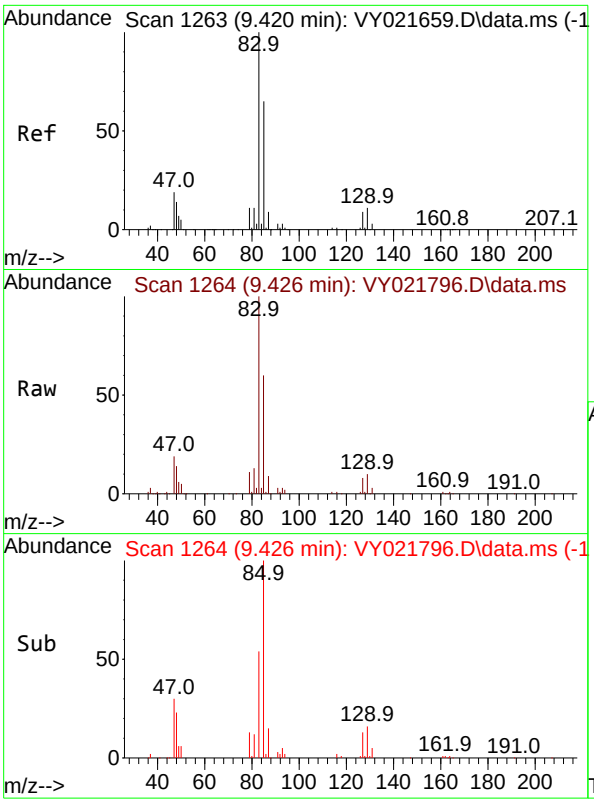


#46
Dibromomethane
Concen: 19.965 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 93 Resp: 25621

Ion	Ratio	Lower	Upper
93	100		
95	81.5	68.1	102.1
174	97.1	80.9	121.3



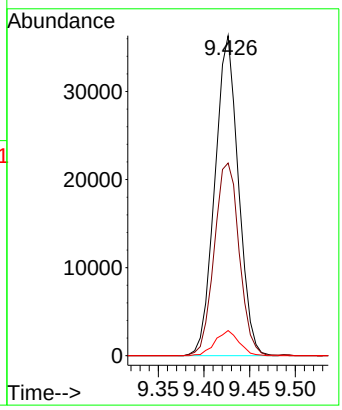


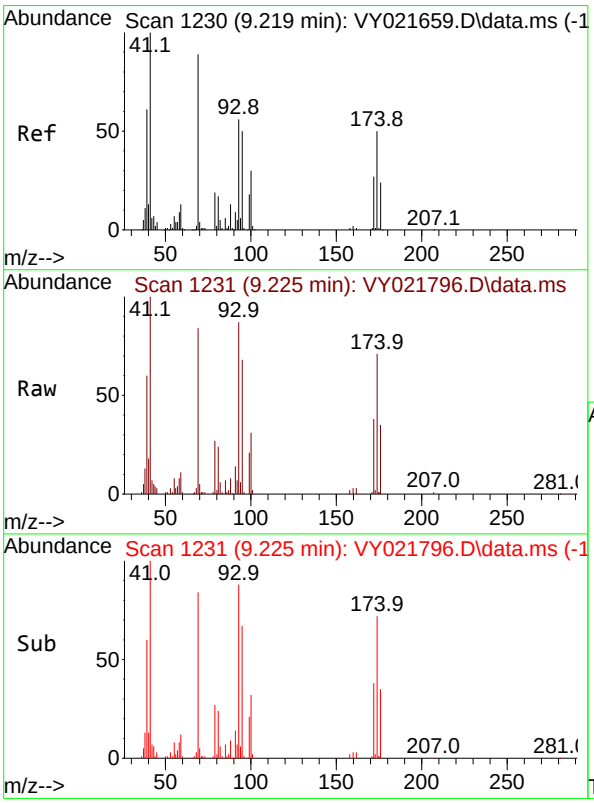
#47
Bromodichloromethane
Concen: 19.610 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 83 Resp: 65208

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.6
127	7.9	6.8	10.2

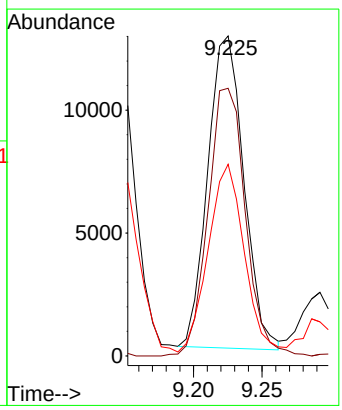


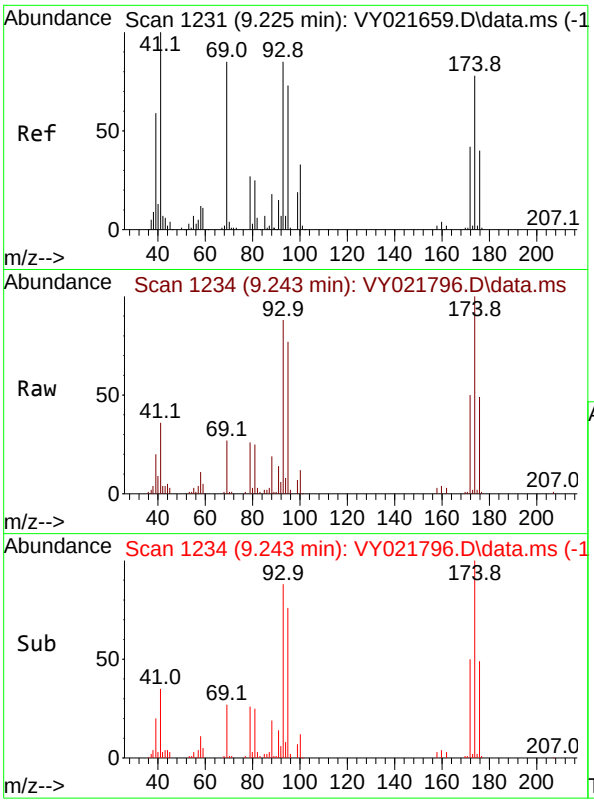


#48
Methyl methacrylate
Concen: 18.008 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 41 Resp: 23219

Ion	Ratio	Lower	Upper
41	100		
69	89.0	69.8	104.8
39	60.4	47.2	70.8



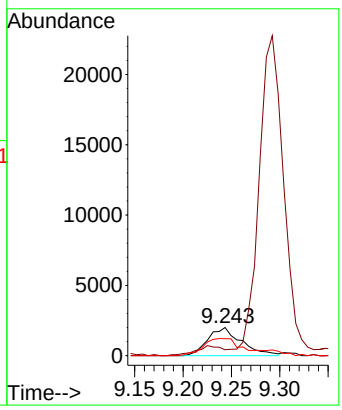


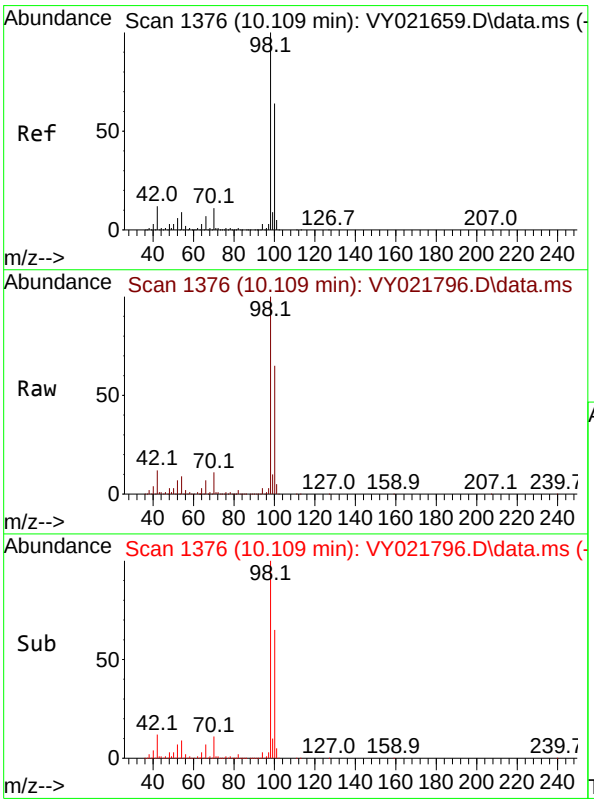
#49
1,4-Dioxane
Concen: 351.345 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 88 Resp: 4830

Ion	Ratio	Lower	Upper
88	100		
43	27.8	28.8	43.2#
58	69.6	59.4	89.2

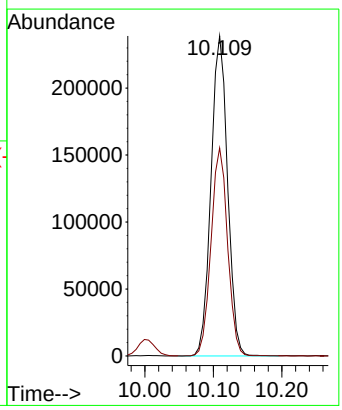


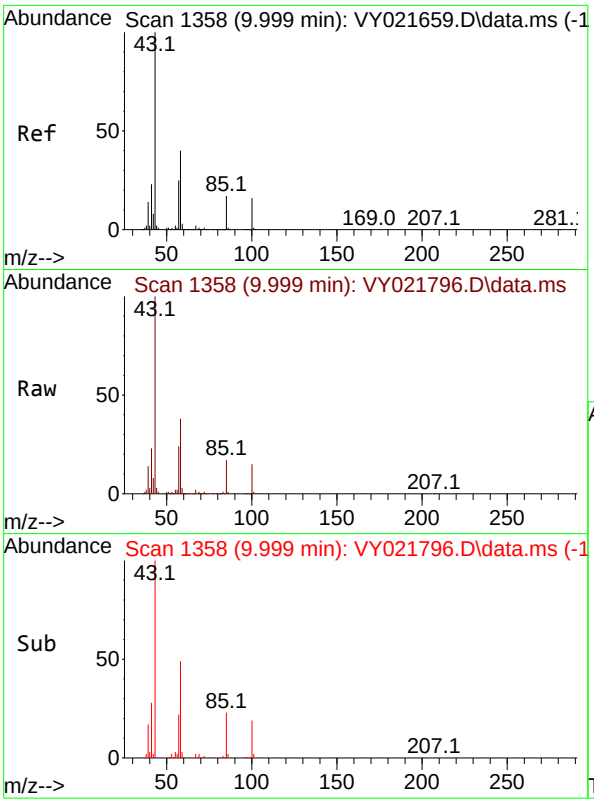


#50
Toluene-d8
Concen: 51.267 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 98 Resp: 402207

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



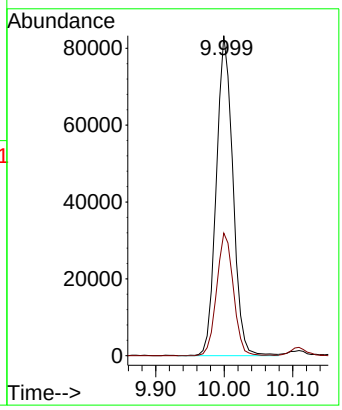


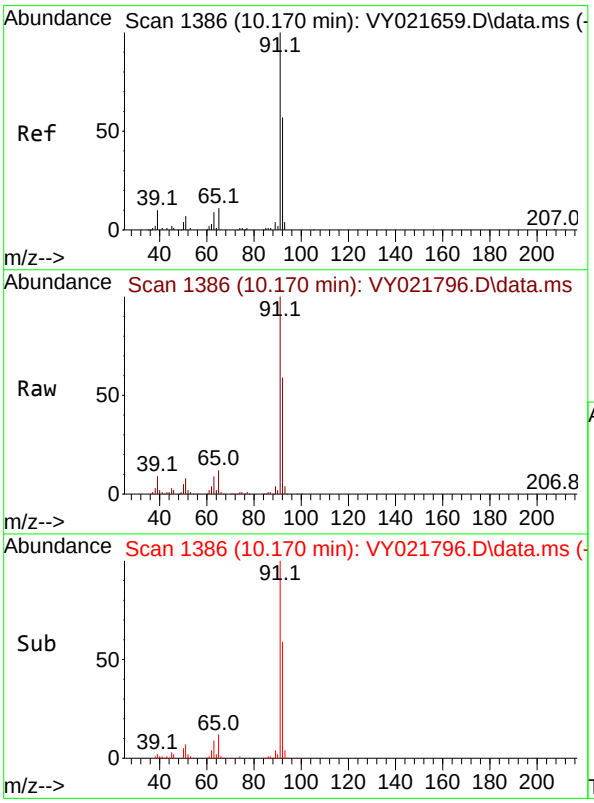
#51
4-Methyl-2-Pentanone
Concen: 95.649 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 43 Resp: 139834

Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.5	47.3

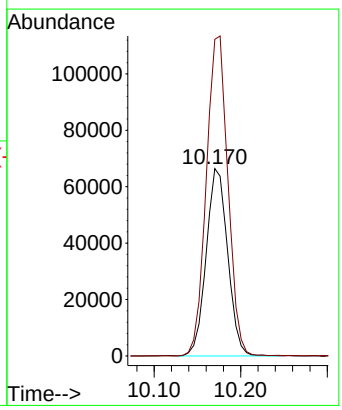


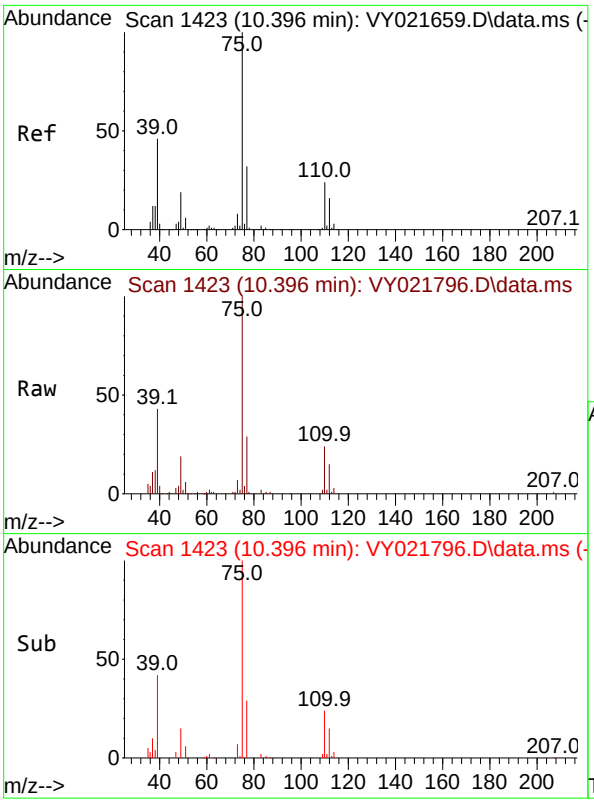


#52
Toluene
Concen: 19.502 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 92 Resp: 114460

Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.6	207.8



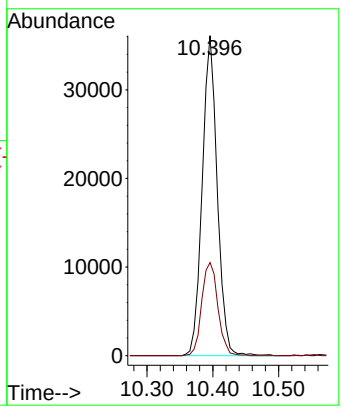


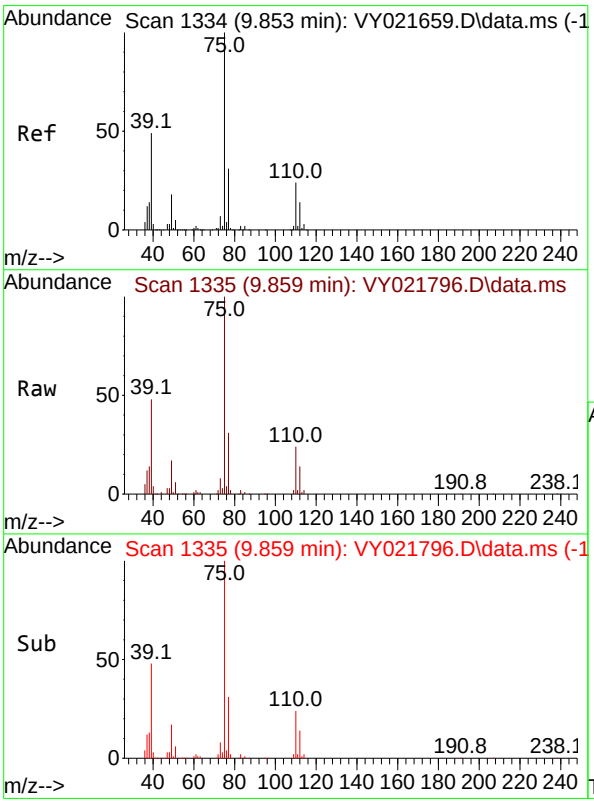
#53
t-1,3-Dichloropropene
Concen: 19.407 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 75 Resp: 57318

Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.3	37.9

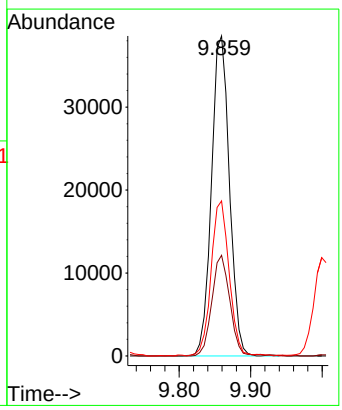


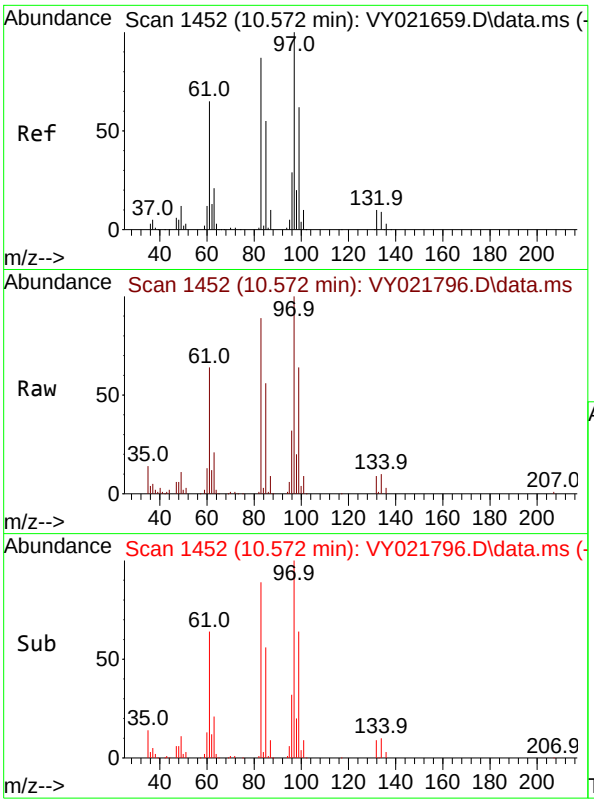


#54
cis-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 67327

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3
39	48.2	39.2	58.8



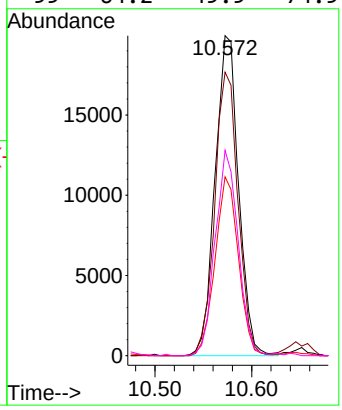


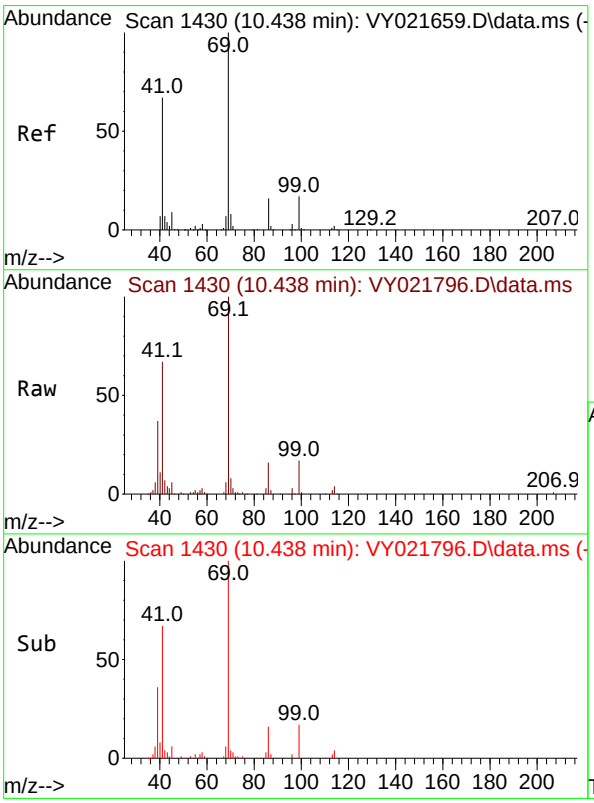
#55
1,1,2-Trichloroethane
Concen: 20.349 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 97 Resp: 33605

Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.5	104.3
85	55.9	43.9	65.9
99	64.2	49.9	74.9

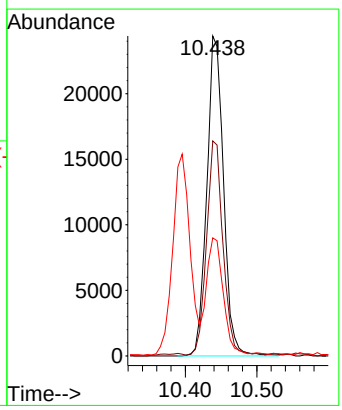


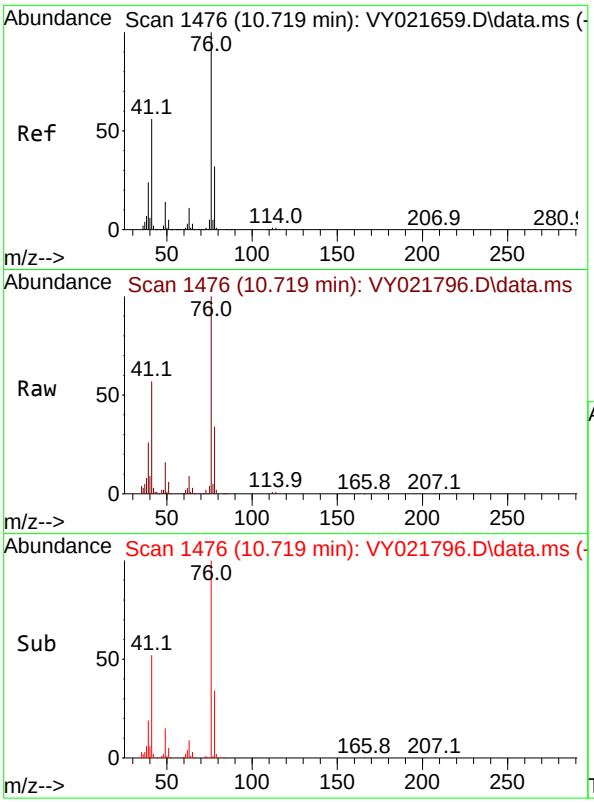


#56
Ethyl methacrylate
Concen: 18.773 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 69 Resp: 39586

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.8	80.6
39	35.7	29.6	44.4



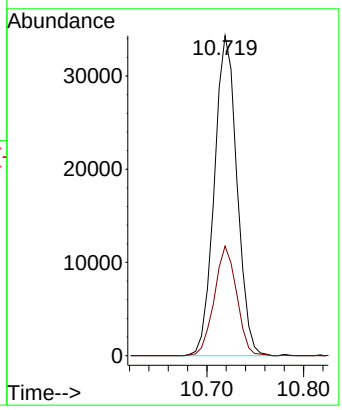


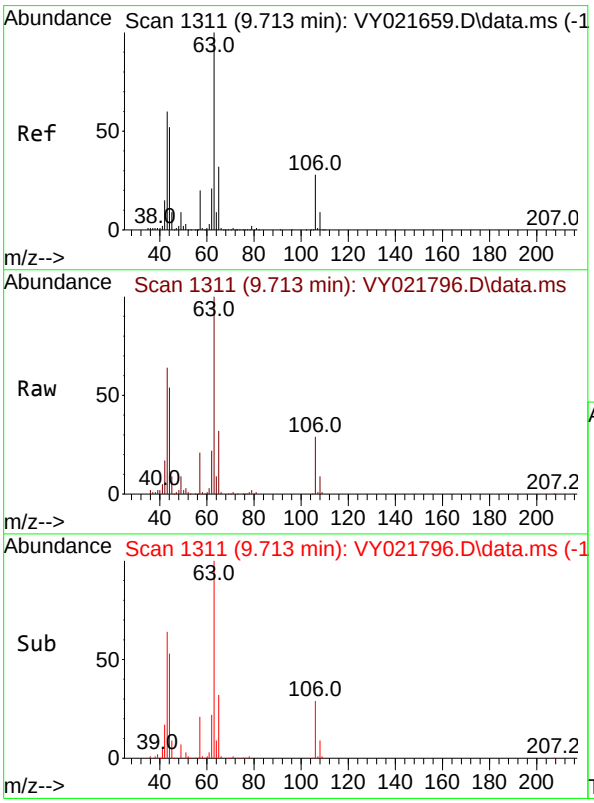
#57
1,3-Dichloropropane
Concen: 19.548 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 76 Resp: 55754

Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8

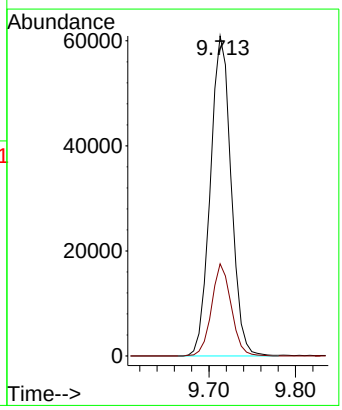


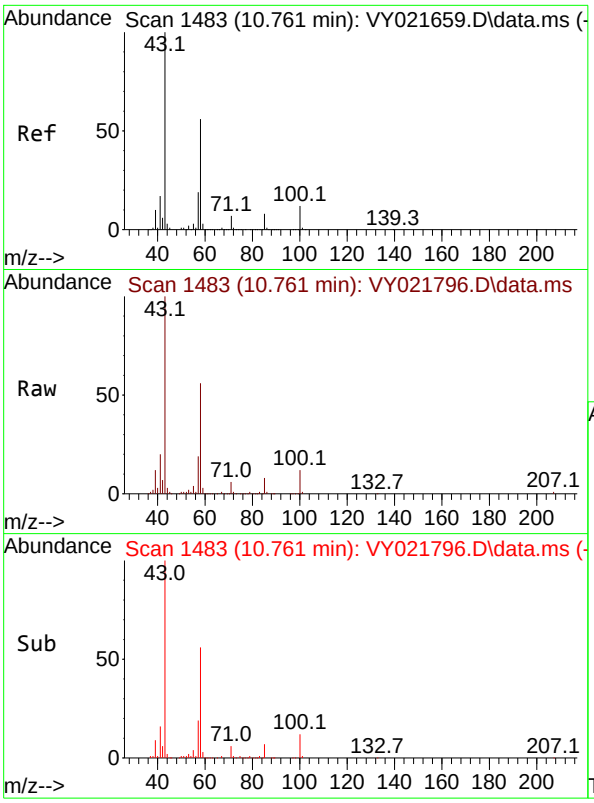


#58
2-Chloroethyl Vinyl ether
Concen: 98.974 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 63 Resp: 101813

Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.4	33.6



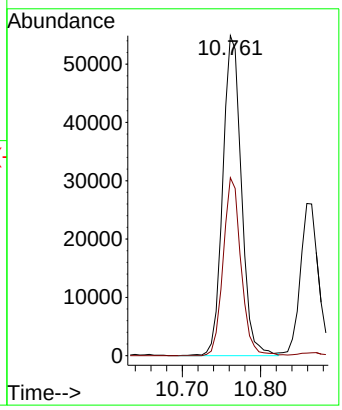


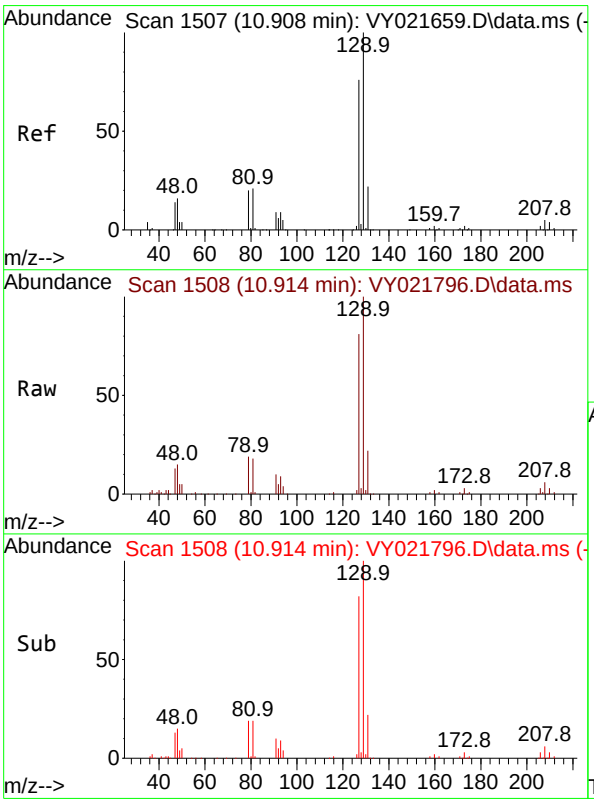
#59
2-Hexanone
Concen: 93.230 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 43 Resp: 90772

Ion	Ratio	Lower	Upper
43	100		
58	53.2	27.2	81.5

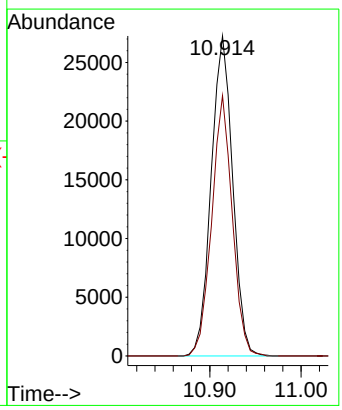


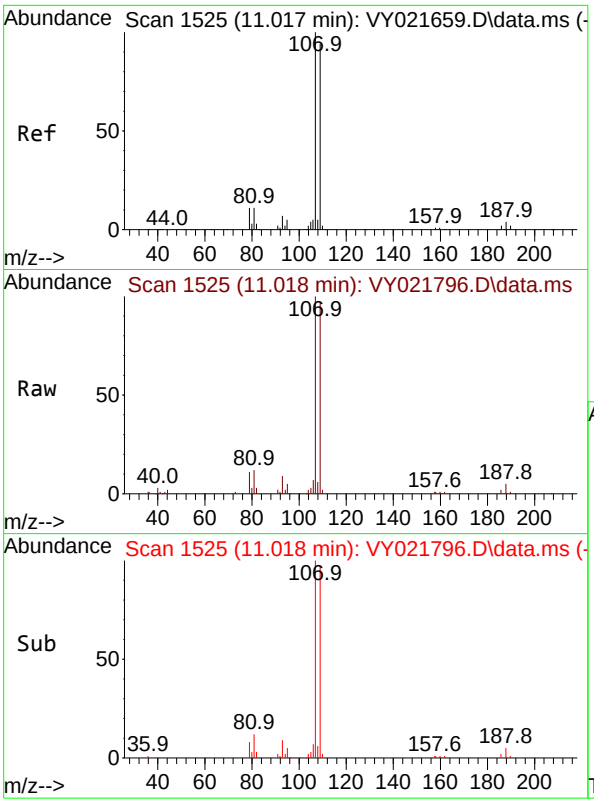


#60
Dibromochloromethane
Concen: 19.752 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:129 Resp: 44536

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7



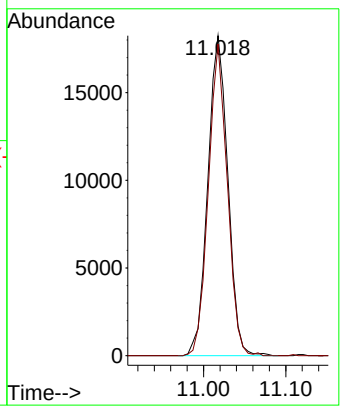


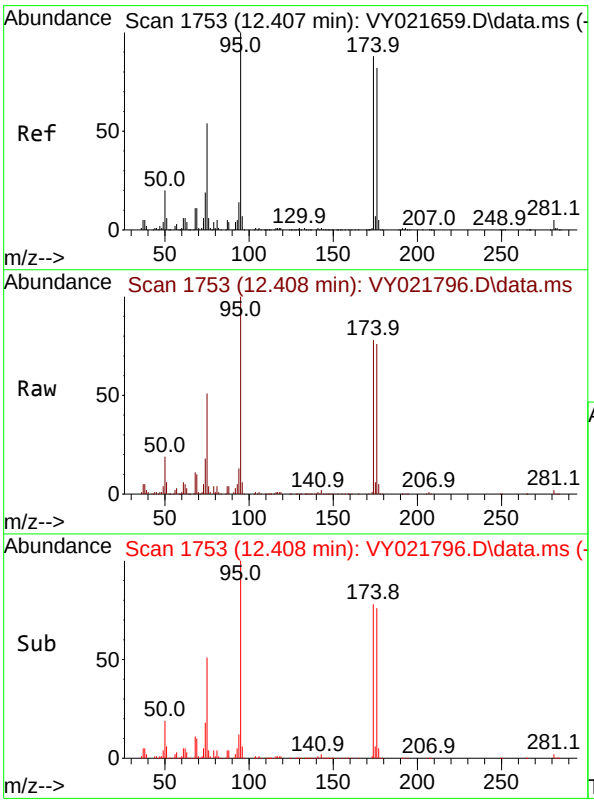
#61
1,2-Dibromoethane
Concen: 19.923 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:107 Resp: 30864

Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.4	111.6

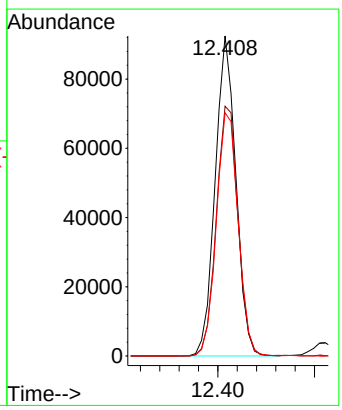


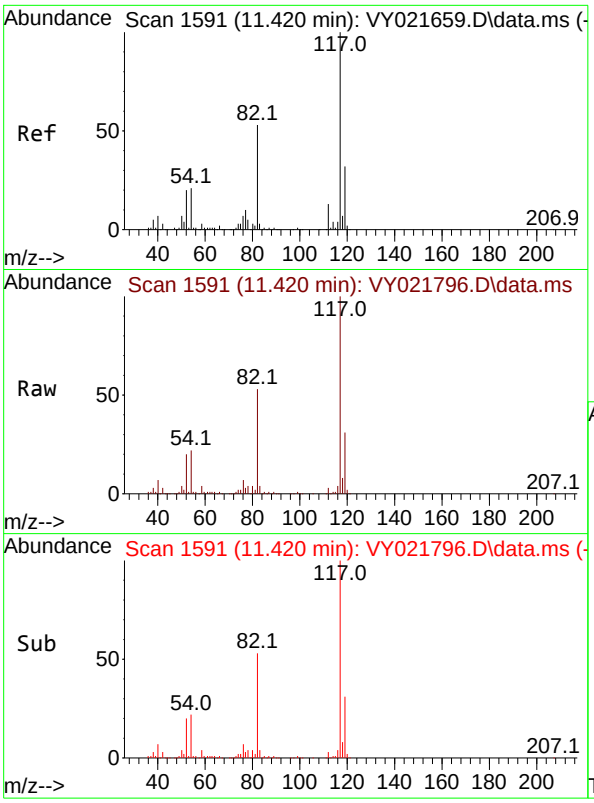


#62
4-Bromofluorobenzene
Concen: 51.789 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 95 Resp: 137431

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	170.8
176	79.9	0.0	162.0



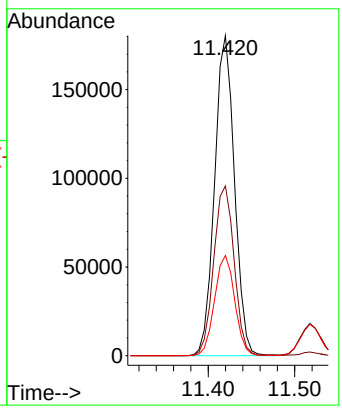


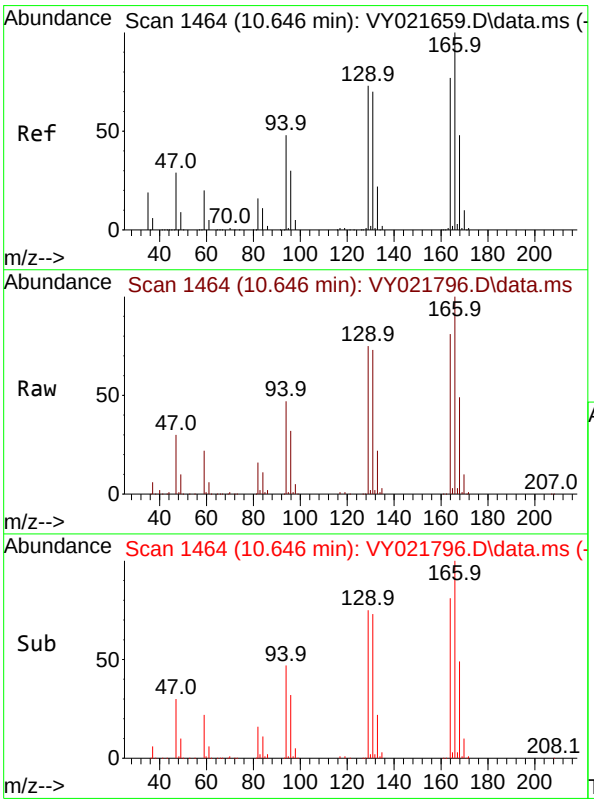
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:117 Resp: 287816

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	31.3	25.7	38.5

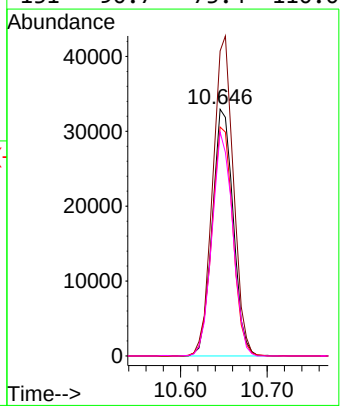


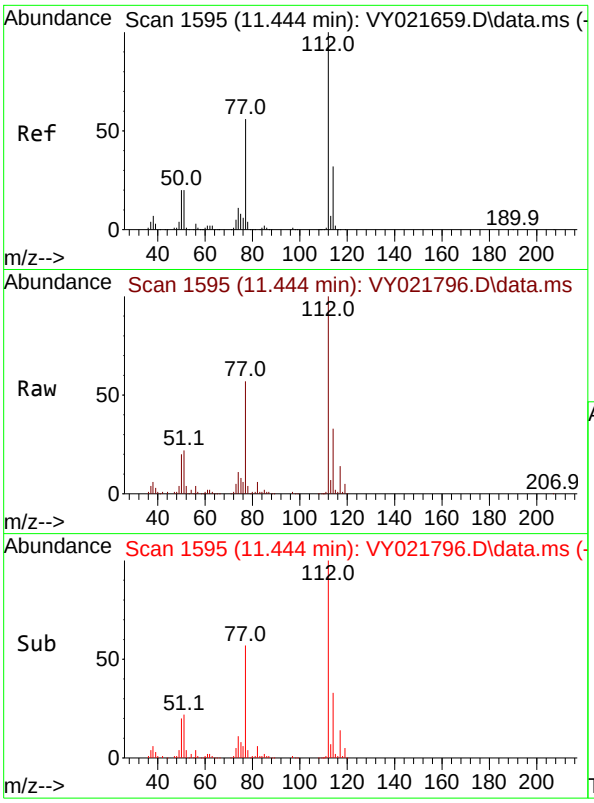


#64
Tetrachloroethene
Concen: 21.151 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:164 Resp: 55443

Ion	Ratio	Lower	Upper
164	100		
166	123.6	104.6	156.8
129	92.8	76.6	114.8
131	90.7	73.4	110.0



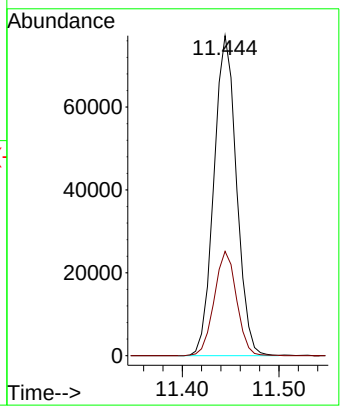


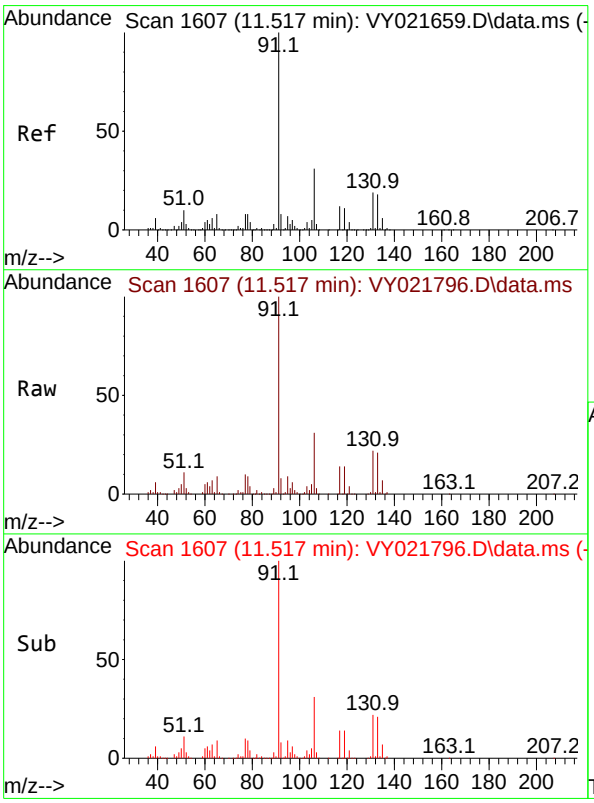
#65
Chlorobenzene
Concen: 18.989 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:112 Resp: 125282

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.9	38.9

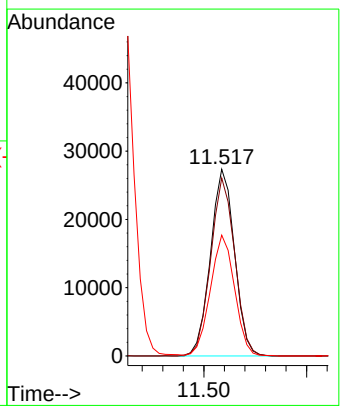


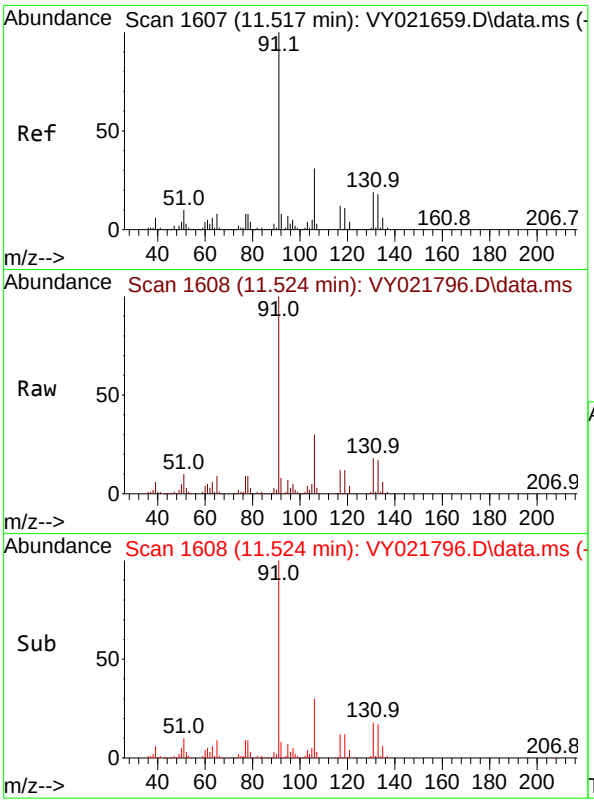


#66
1,1,1,2-Tetrachloroethane
Concen: 18.954 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:131 Resp: 44369

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	65.2	31.6	95.0



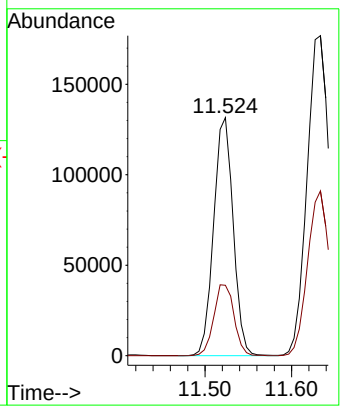


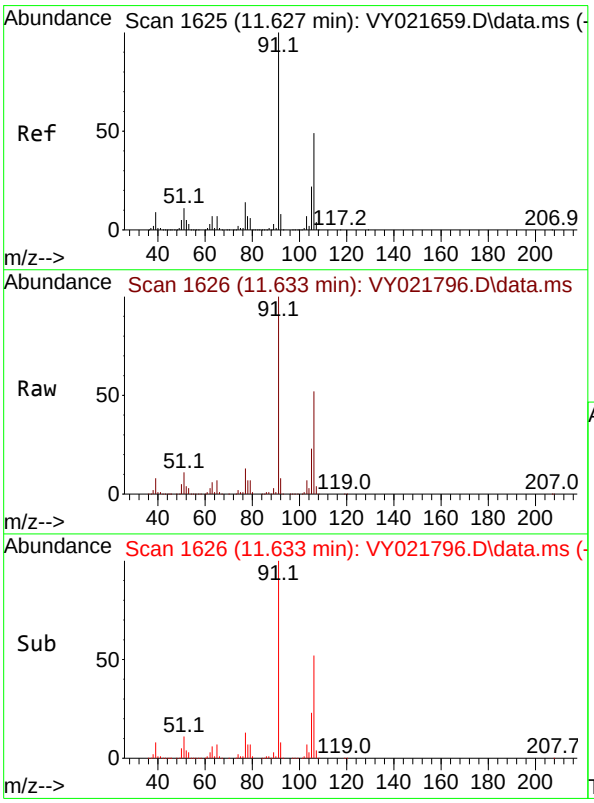
#67
Ethyl Benzene
Concen: 18.222 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 91 Resp: 206159

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.6	36.8

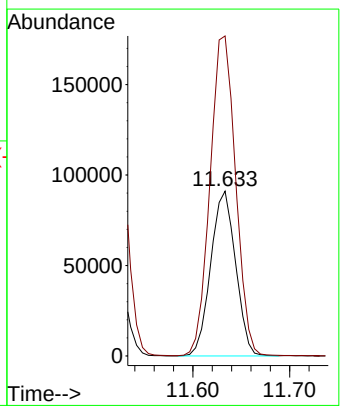


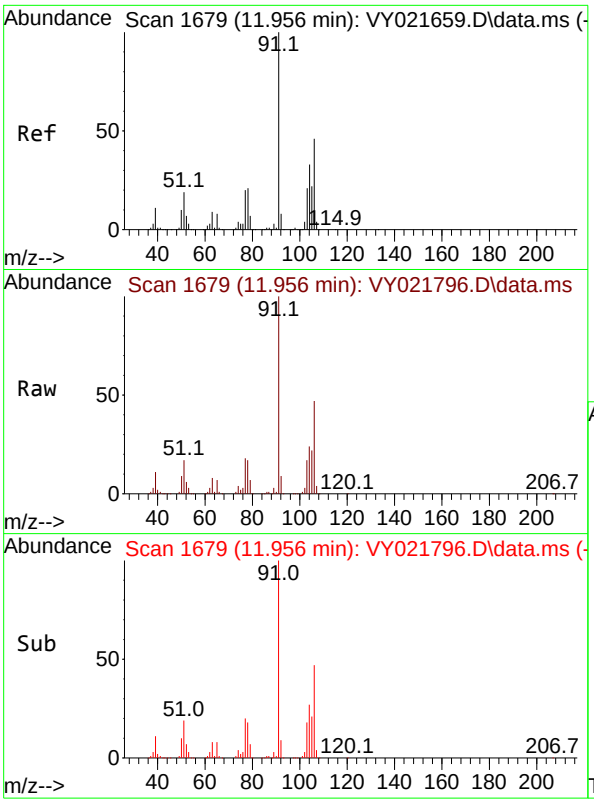


#68
m/p-Xylenes
Concen: 37.528 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:106 Resp: 162584

Ion	Ratio	Lower	Upper
106	100		
91	199.7	162.4	243.6



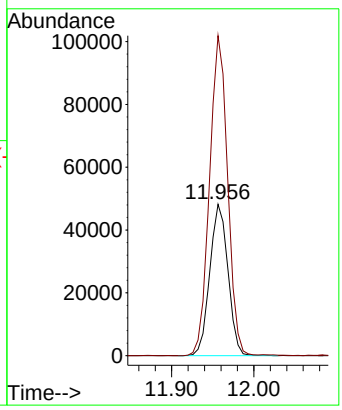


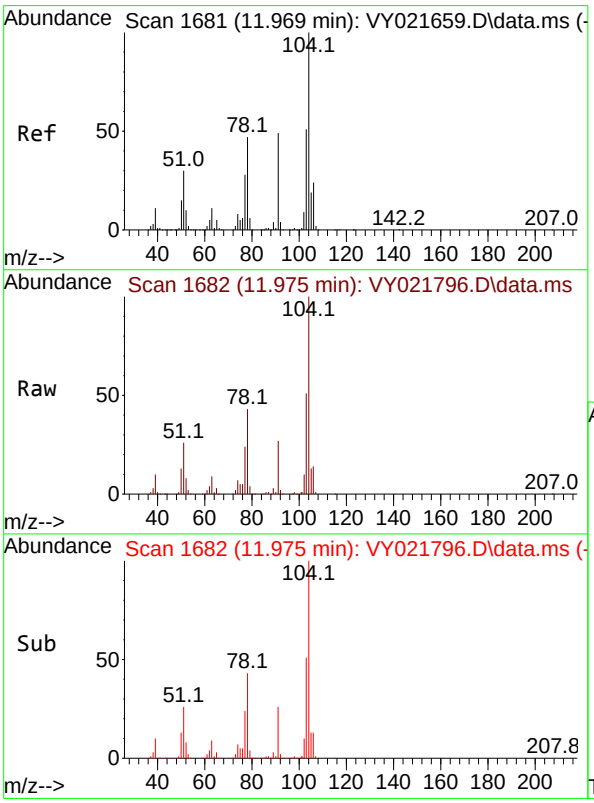
#69
o-Xylene
Concen: 18.495 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:106 Resp: 73961

Ion	Ratio	Lower	Upper
106	100		
91	210.5	106.7	319.9

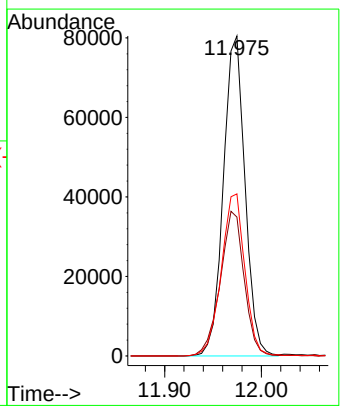


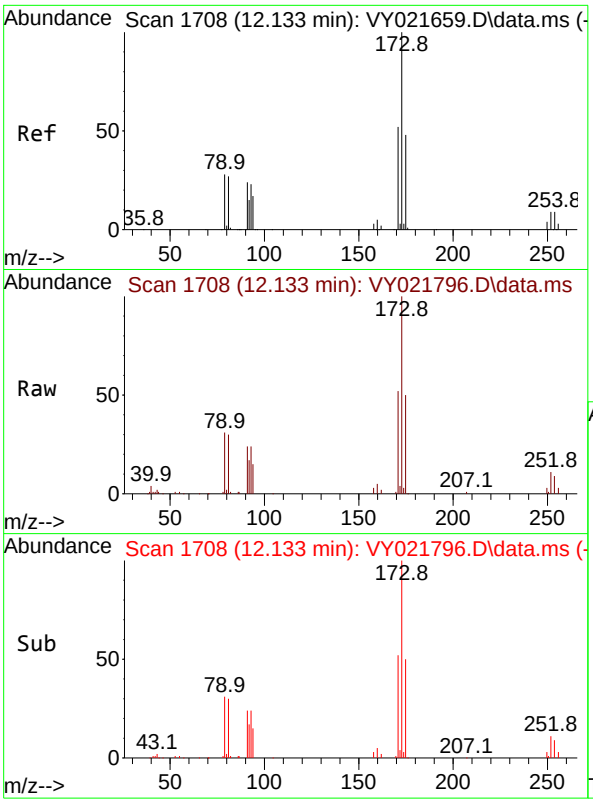


#70
Styrene
Concen: 18.734 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:104 Resp: 124911

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.8	61.2
103	55.6	44.2	66.2



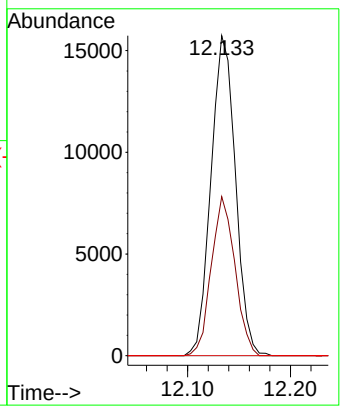


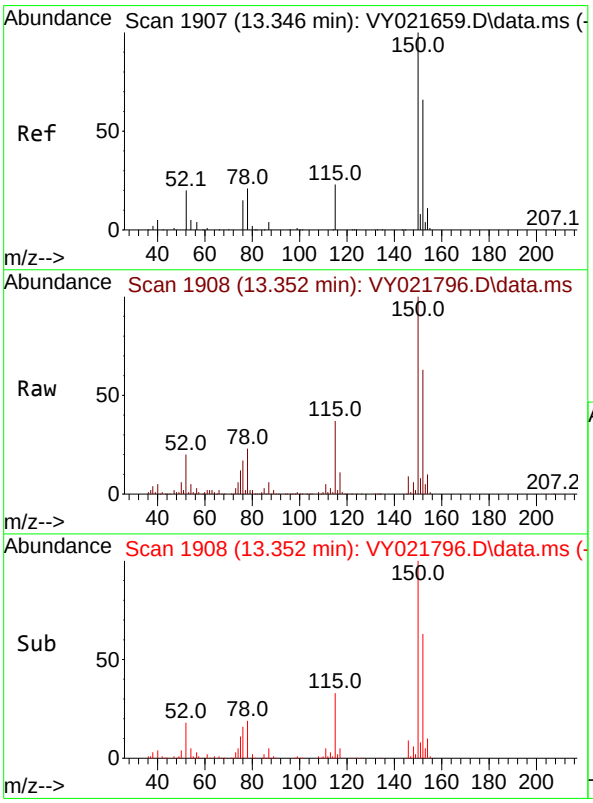
#71
Bromoform
Concen: 19.482 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:173 Resp: 26014

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.0	0.1	0.1#

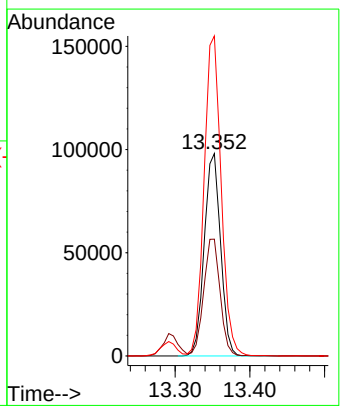


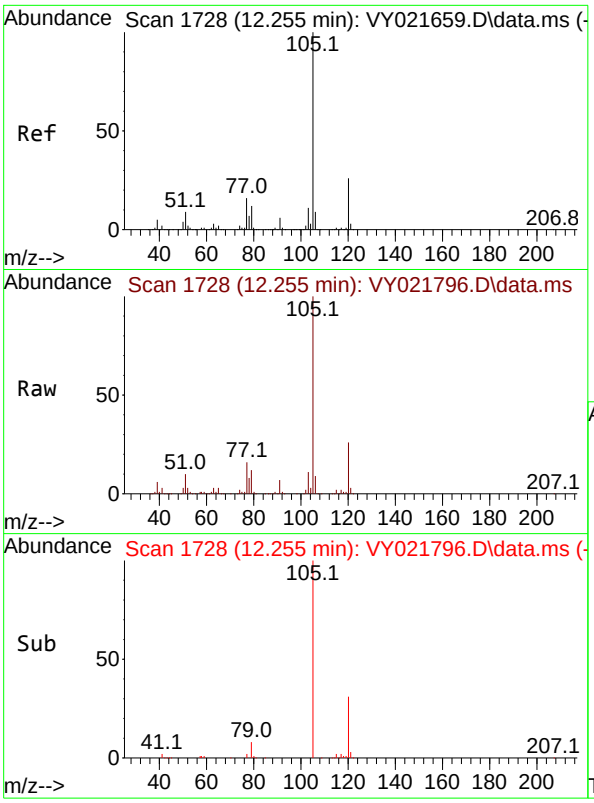


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:152 Resp: 149046

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	164.9	0.0	348.4



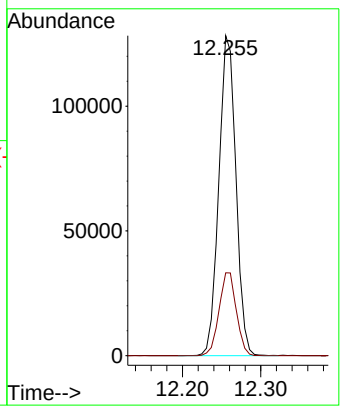


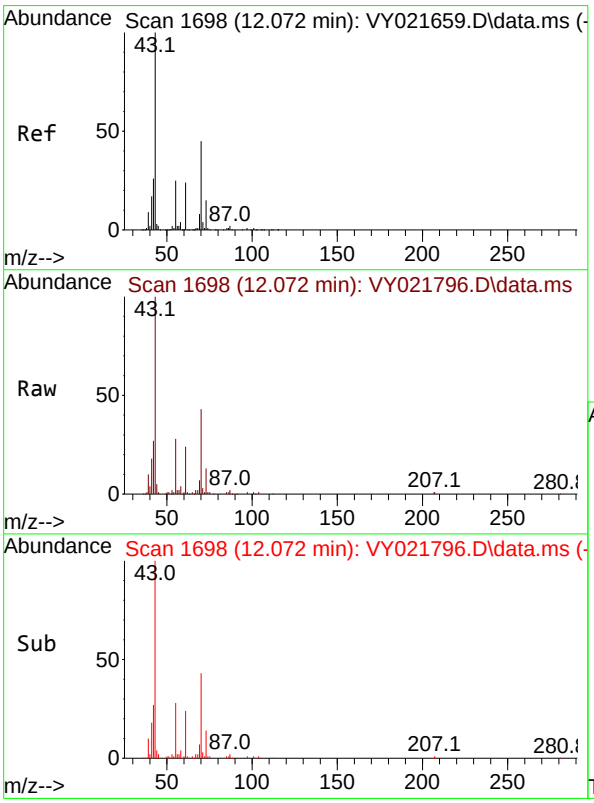
#73
Isopropylbenzene
Concen: 17.583 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:105 Resp: 194649

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

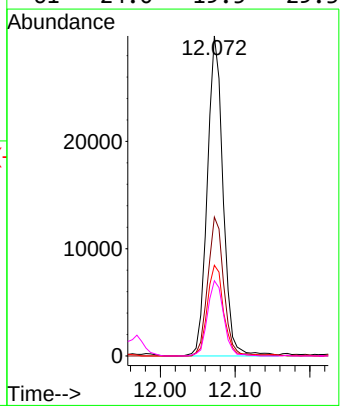


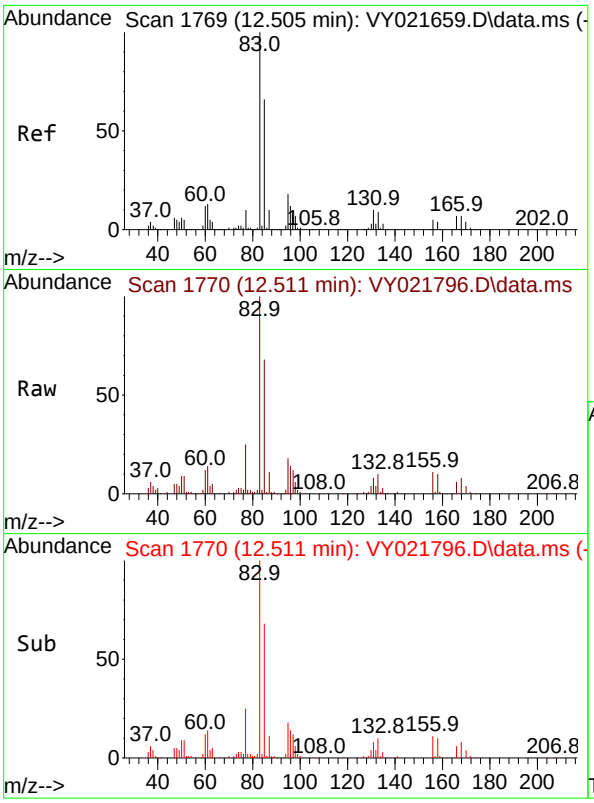


#74
N-amyl acetate
Concen: 16.847 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 43 Resp: 43771

Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.7	52.1
55	29.1	21.2	31.8
61	24.0	19.5	29.3



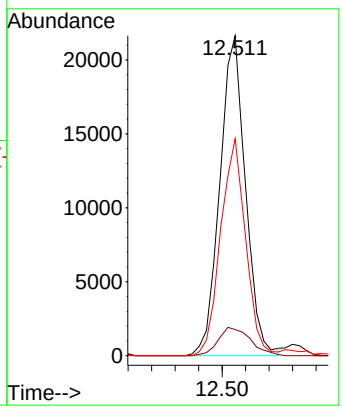


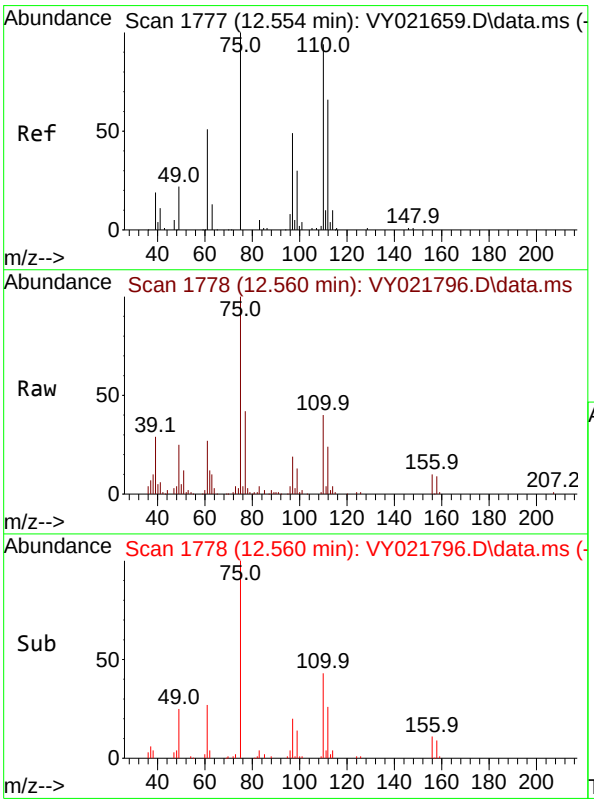
#75
1,1,2,2-Tetrachloroethane
Concen: 16.478 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 83 Resp: 32796

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	66.1	32.3	96.8

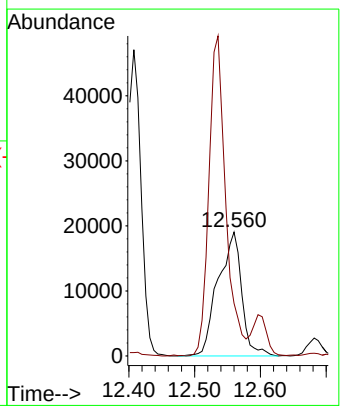


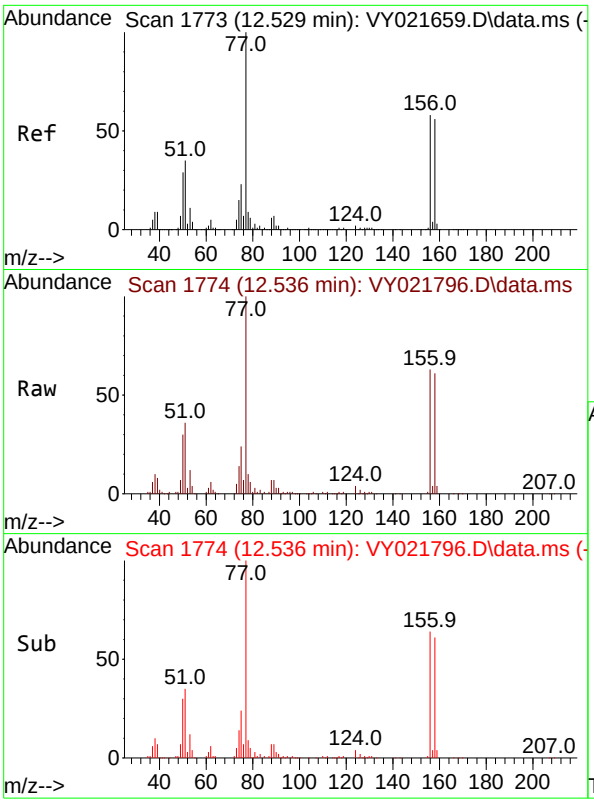


#76
1,2,3-Trichloropropane
Concen: 32.338 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 47777

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



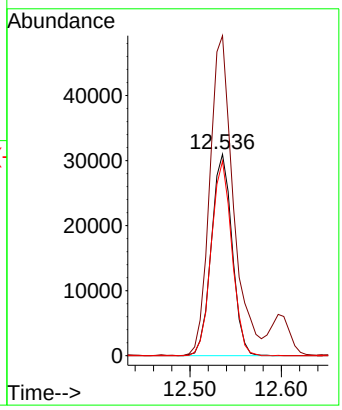


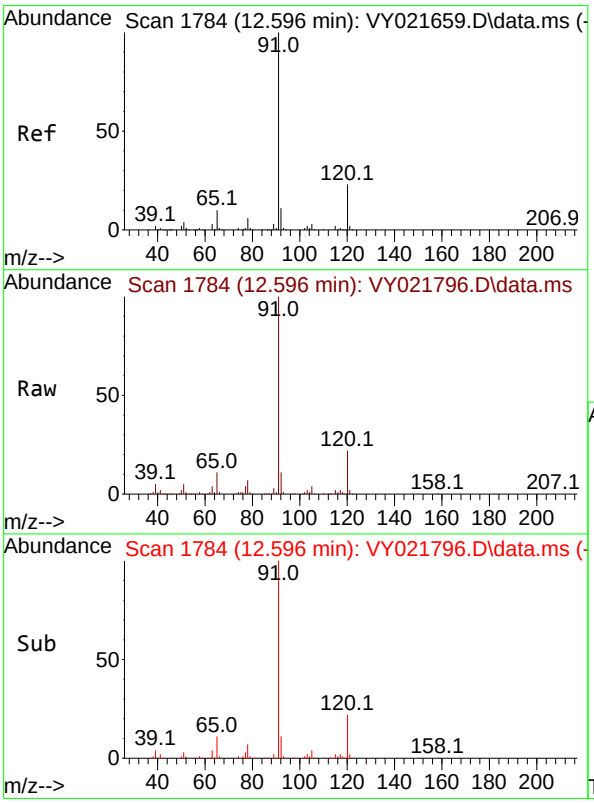
#77
Bromobenzene
Concen: 18.356 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:156 Resp: 48789

Ion	Ratio	Lower	Upper
156	100		
77	180.5	92.8	278.3
158	96.2	48.5	145.6

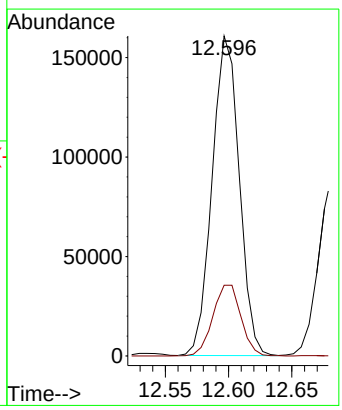


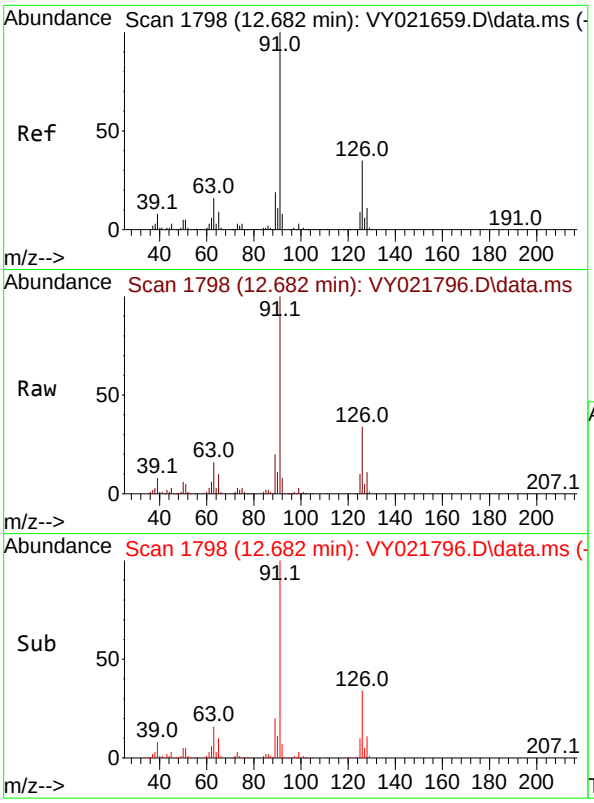


#78
n-propylbenzene
Concen: 17.983 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 239336

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.9



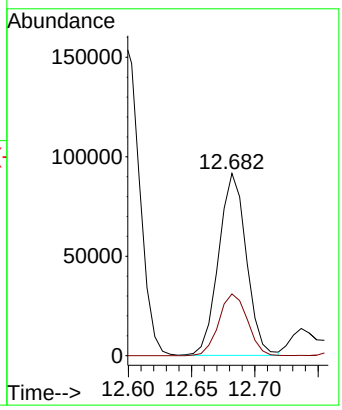


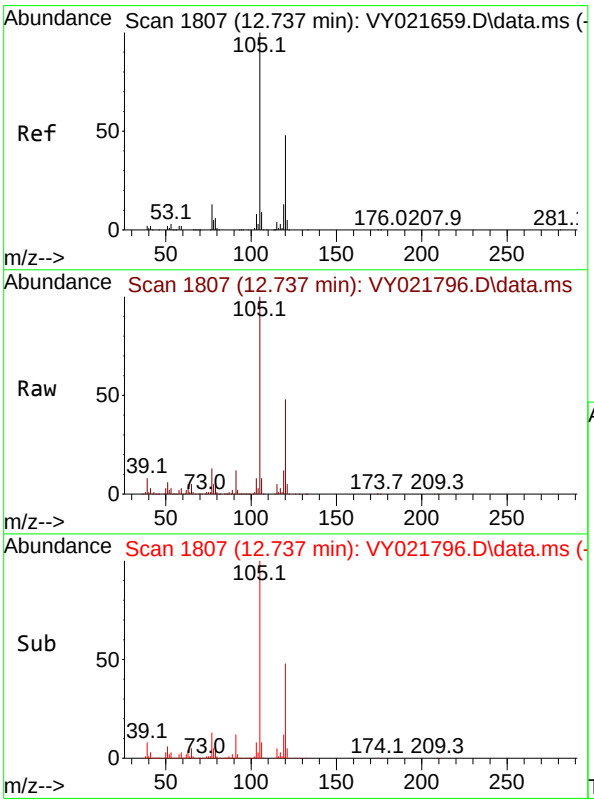
#79
2-Chlorotoluene
Concen: 18.046 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 91 Resp: 139496

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	52.0

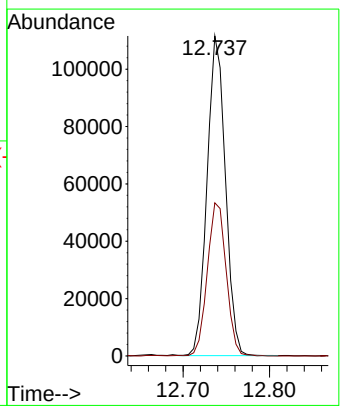


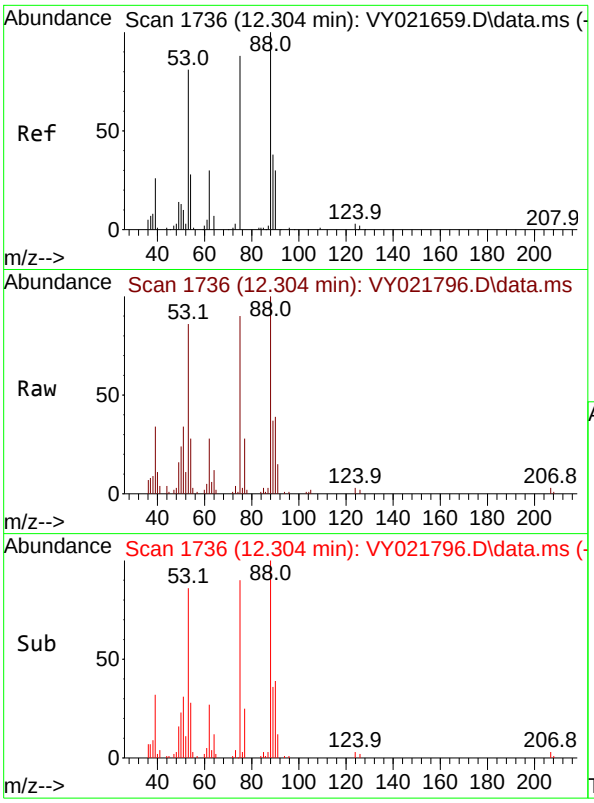


#80
1,3,5-Trimethylbenzene
Concen: 18.130 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:105 Resp: 164031

Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.5	73.5



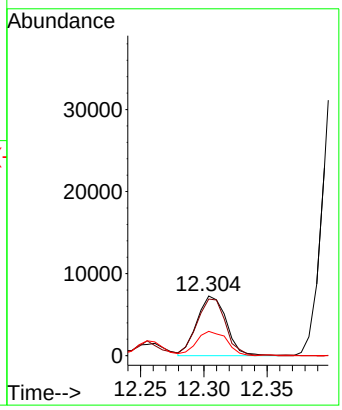


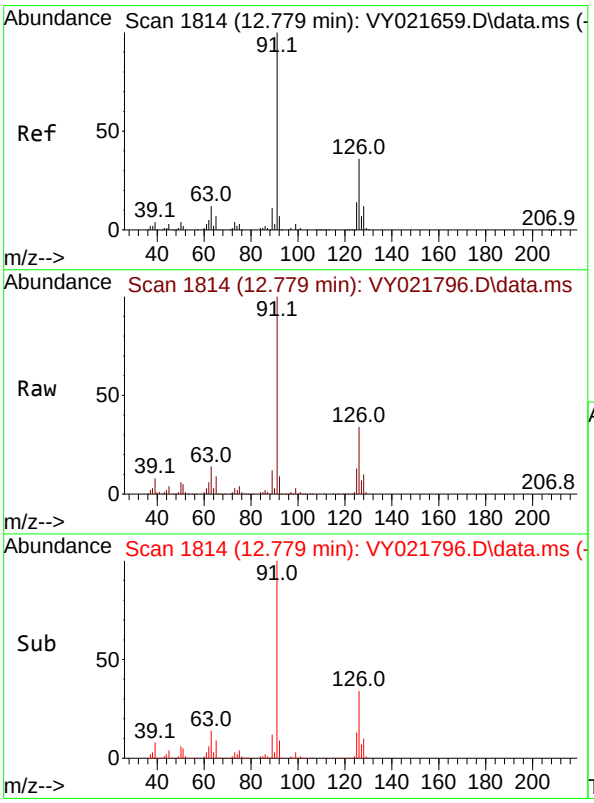
#81
trans-1,4-Dichloro-2-butene
Concen: 18.313 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 75 Resp: 11742

Ion	Ratio	Lower	Upper
75	100		
53	91.7	76.1	114.1
89	42.2	36.2	54.4

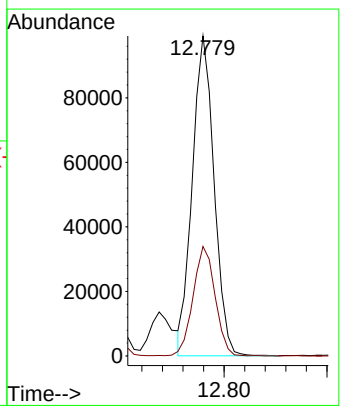


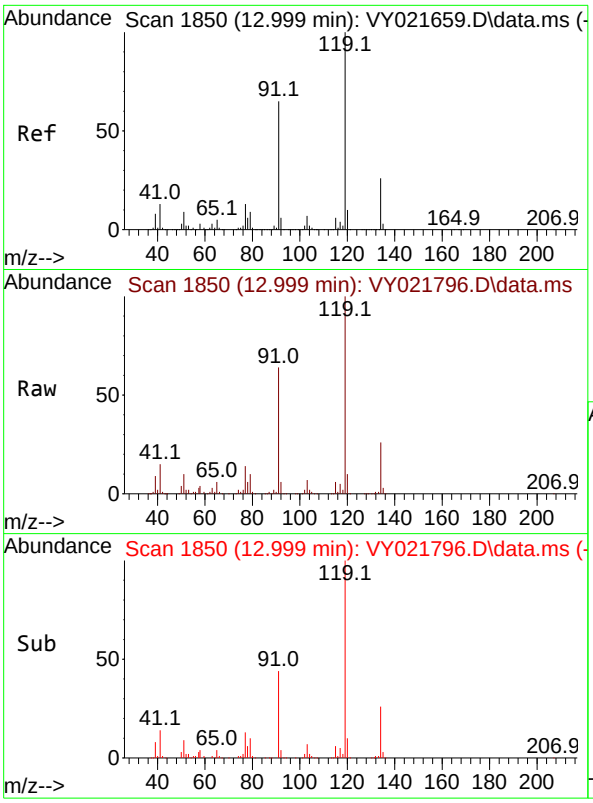


#82
4-Chlorotoluene
Concen: 18.098 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 91 Resp: 145850

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.0	50.9



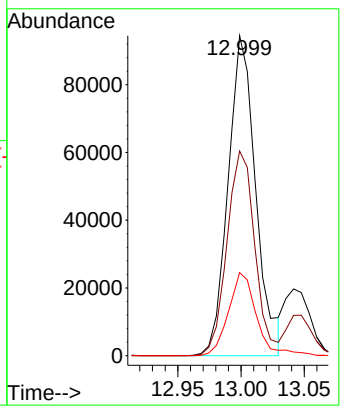


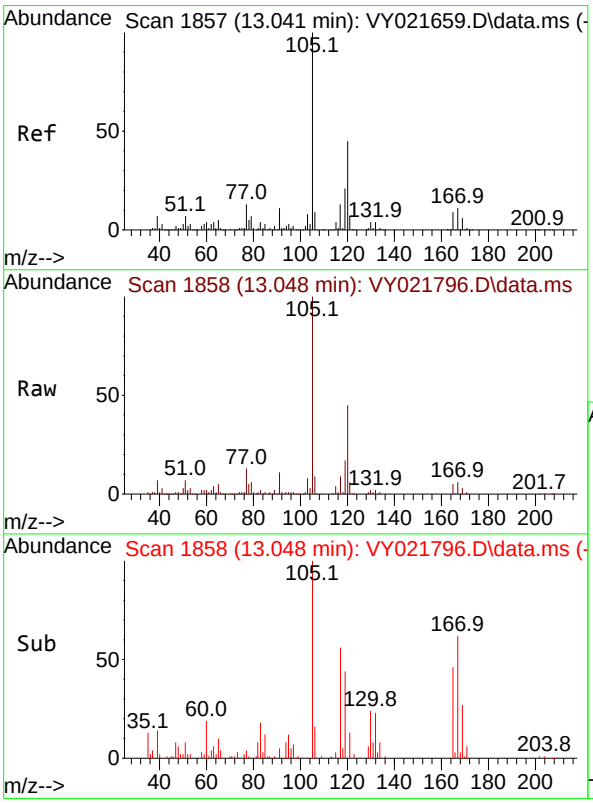
#83
tert-Butylbenzene
Concen: 17.867 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:119 Resp: 143987

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.6	97.7
134	26.2	13.2	39.6

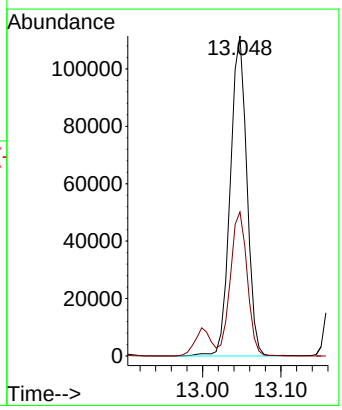


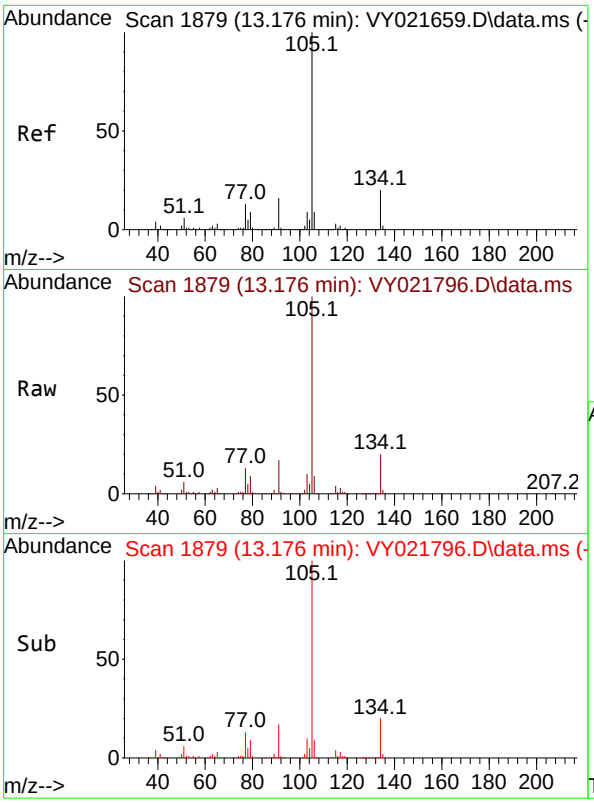


#84
1,2,4-Trimethylbenzene
Concen: 18.300 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:105 Resp: 163642

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1



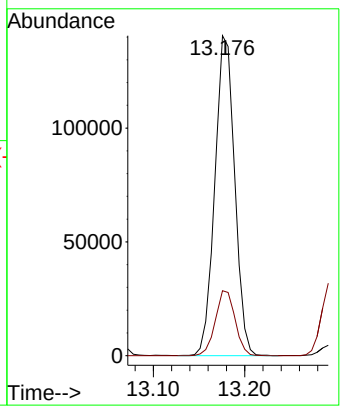


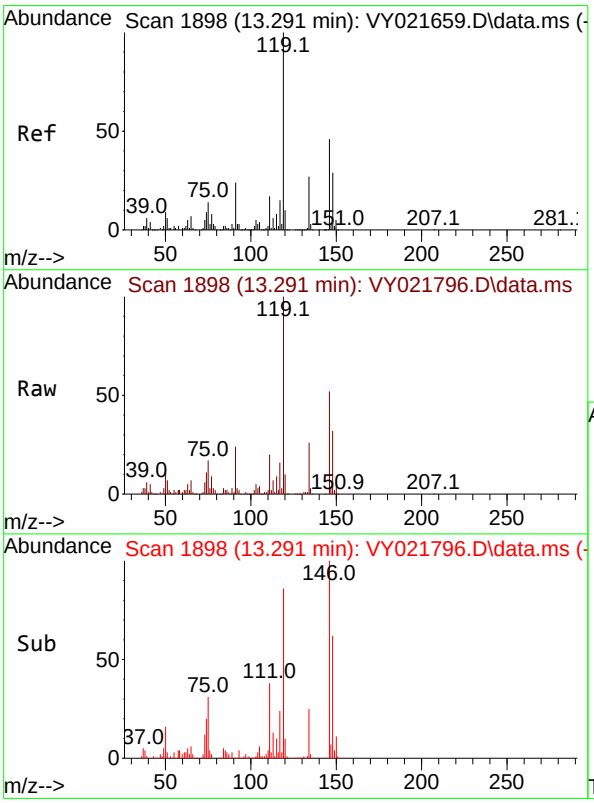
#85
sec-Butylbenzene
Concen: 18.031 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:105 Resp: 212353

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1

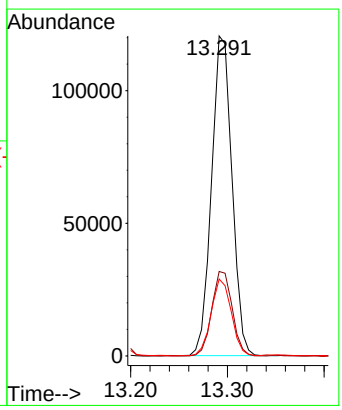


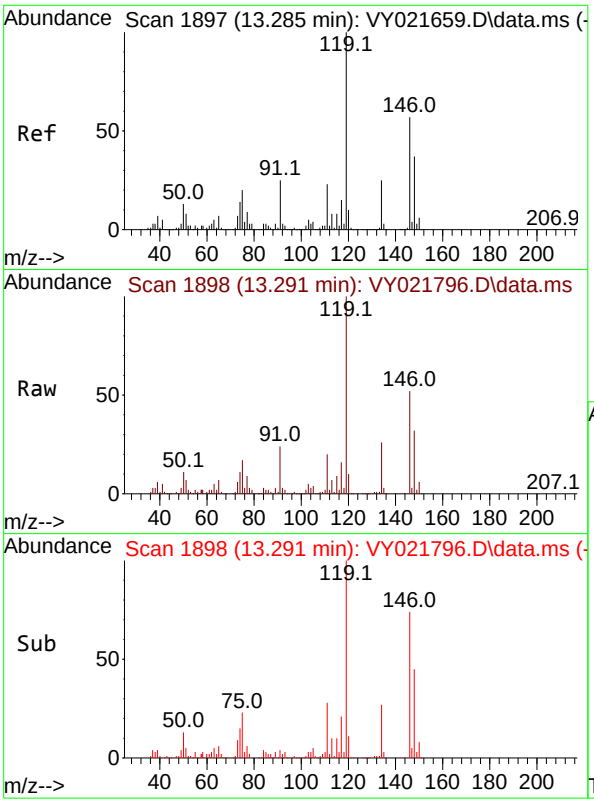


#86
p-Isopropyltoluene
Concen: 18.171 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:119 Resp: 176872

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	23.6	12.0	36.0



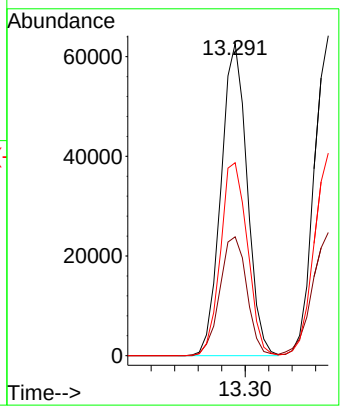


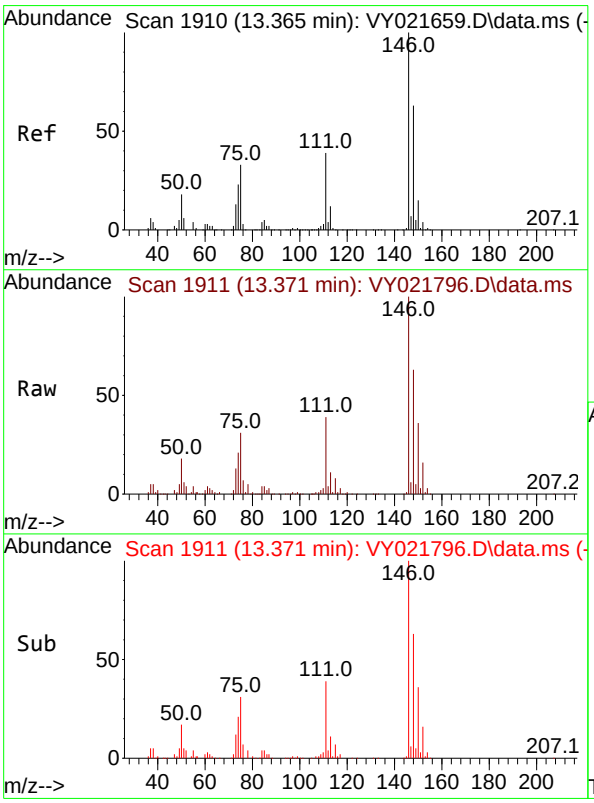
#87
1,3-Dichlorobenzene
Concen: 18.467 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:146 Resp: 96706

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.7	31.8	95.4

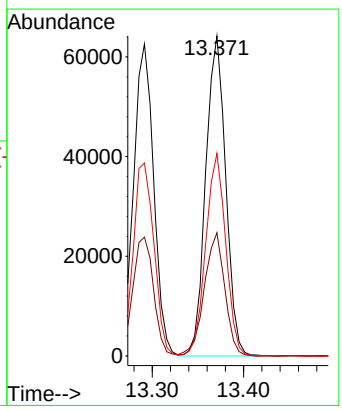


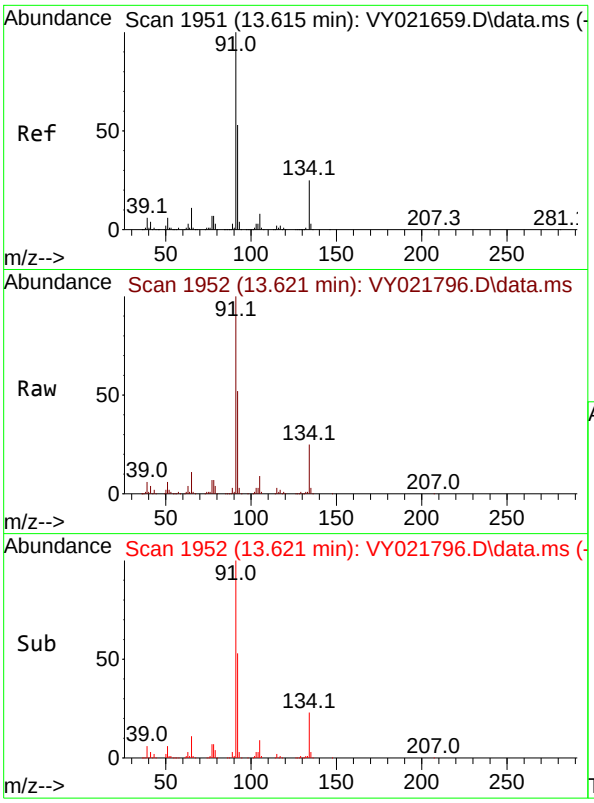


#88
1,4-Dichlorobenzene
Concen: 18.826 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:146 Resp: 97404

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.1
148	63.5	31.5	94.5



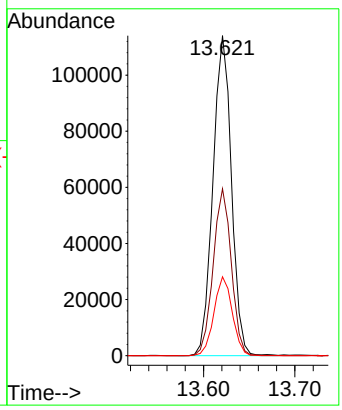


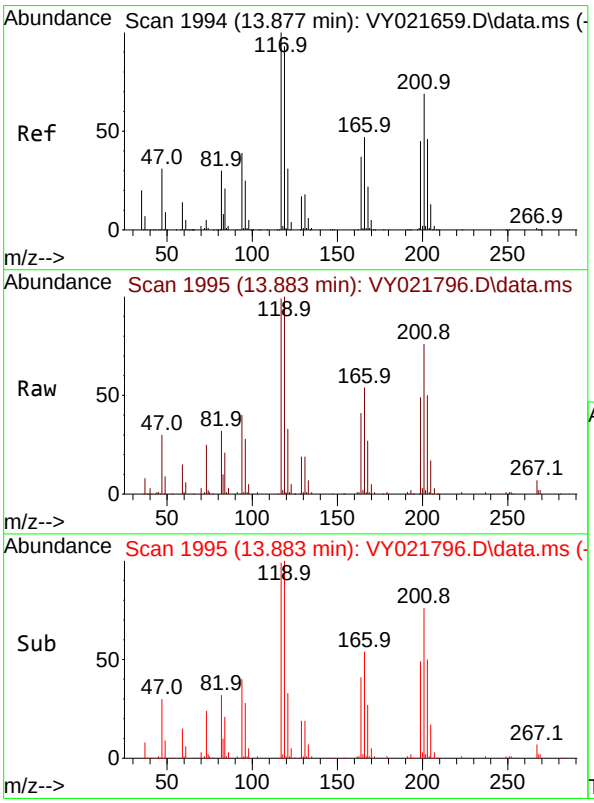
#89
n-Butylbenzene
Concen: 17.835 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion: 91 Resp: 160545

Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.4	79.2
134	24.5	12.8	38.4

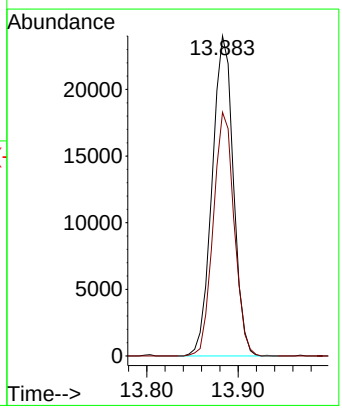


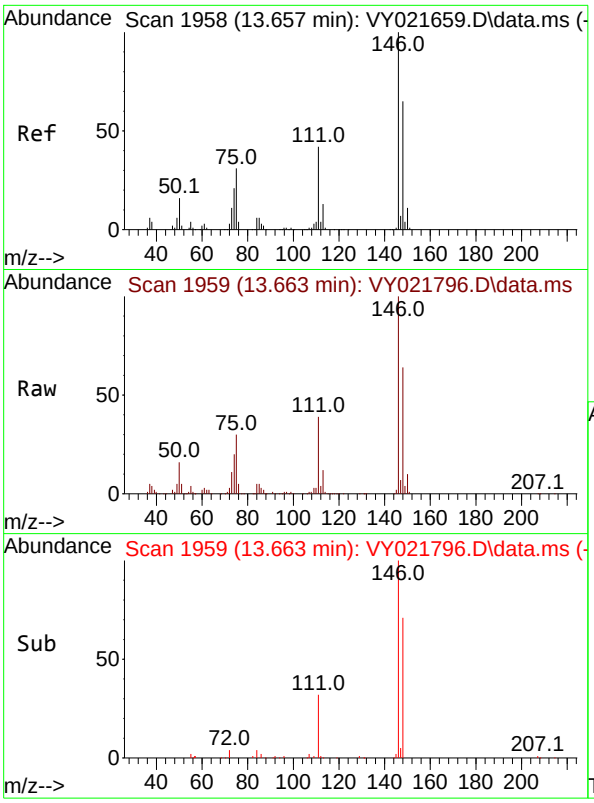


#90
Hexachloroethane
Concen: 18.191 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:117 Resp: 38801

Ion	Ratio	Lower	Upper
117	100		
201	74.9	37.4	112.1



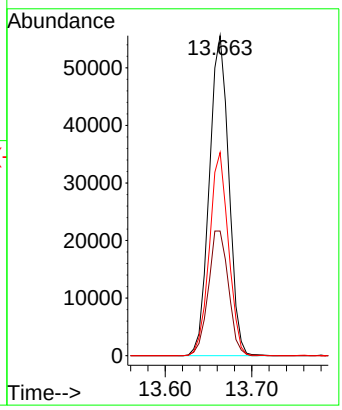


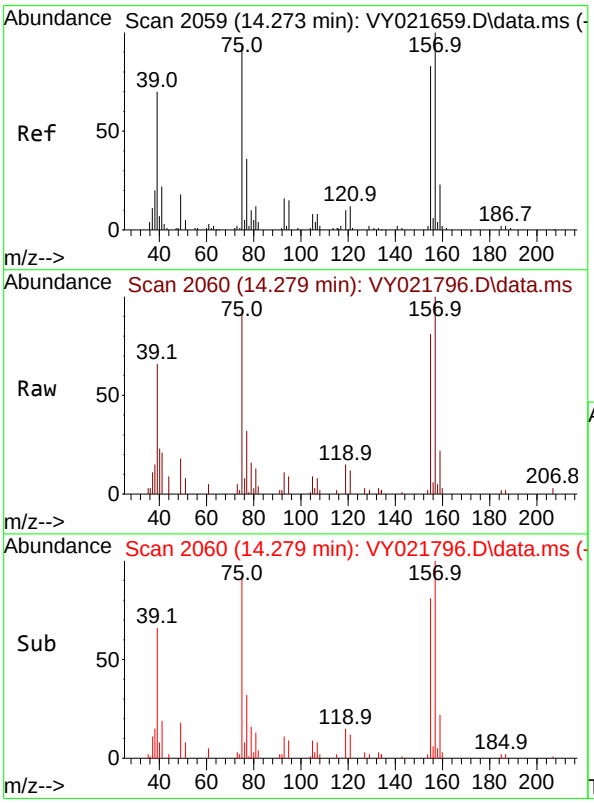
#91
1,2-Dichlorobenzene
Concen: 19.029 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:146 Resp: 86743

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.7	62.1
148	62.2	32.3	96.9

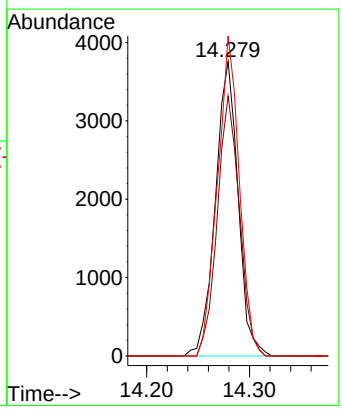


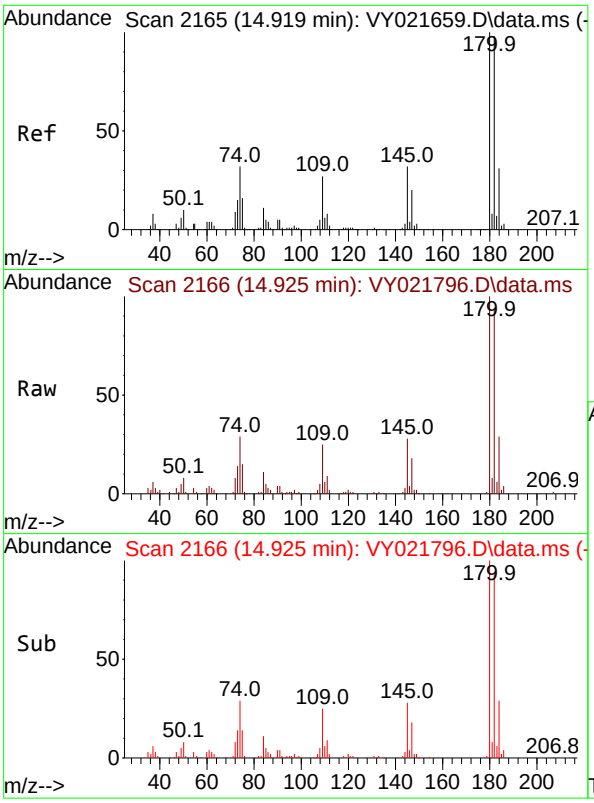


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.688 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion: 75 Resp: 5765

Ion	Ratio	Lower	Upper
75	100		
155	86.3	43.0	128.8
157	104.9	54.0	162.0



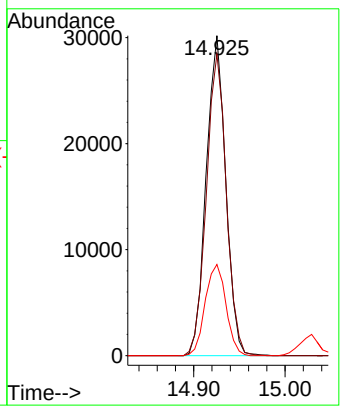


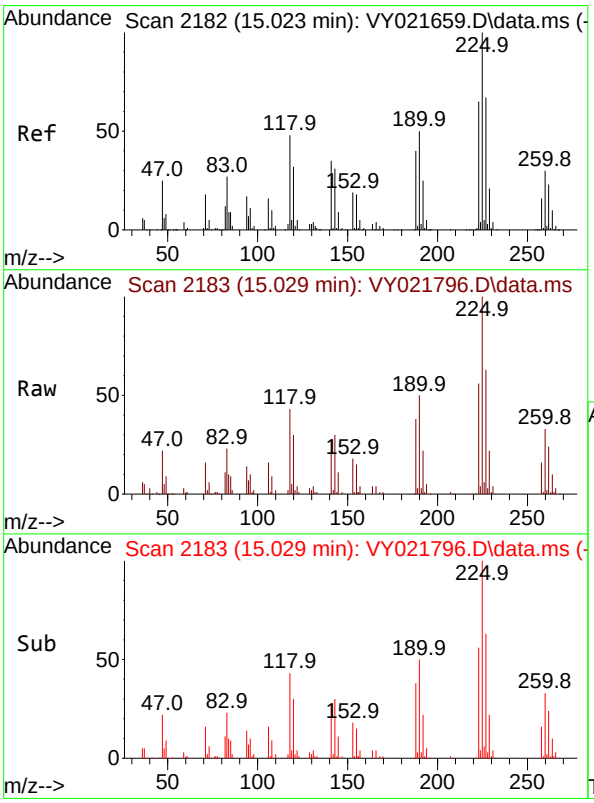
#93
1,2,4-Trichlorobenzene
Concen: 18.097 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:180 Resp: 44738

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	30.4	14.9	44.9

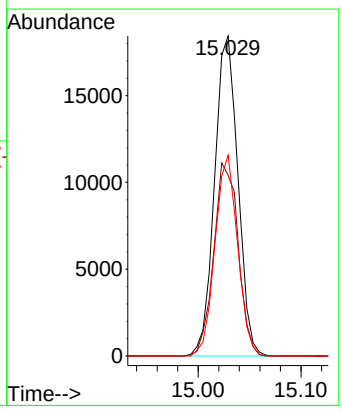


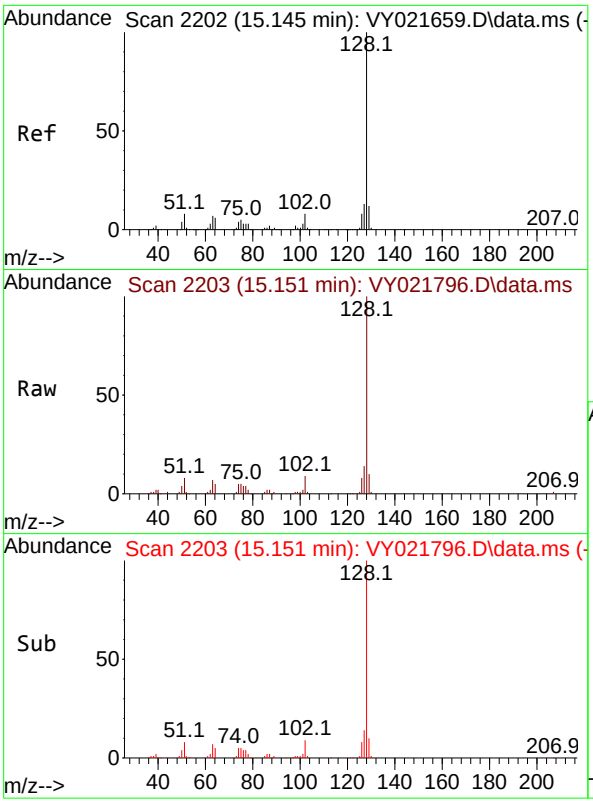


#94
Hexachlorobutadiene
Concen: 18.790 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:225 Resp: 29010

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	60.6	32.4	97.0



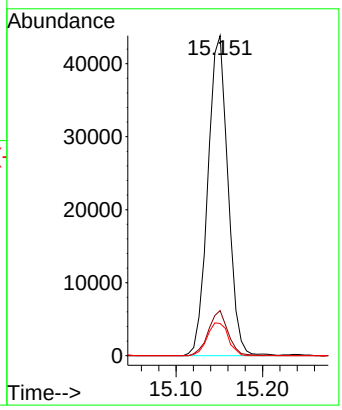


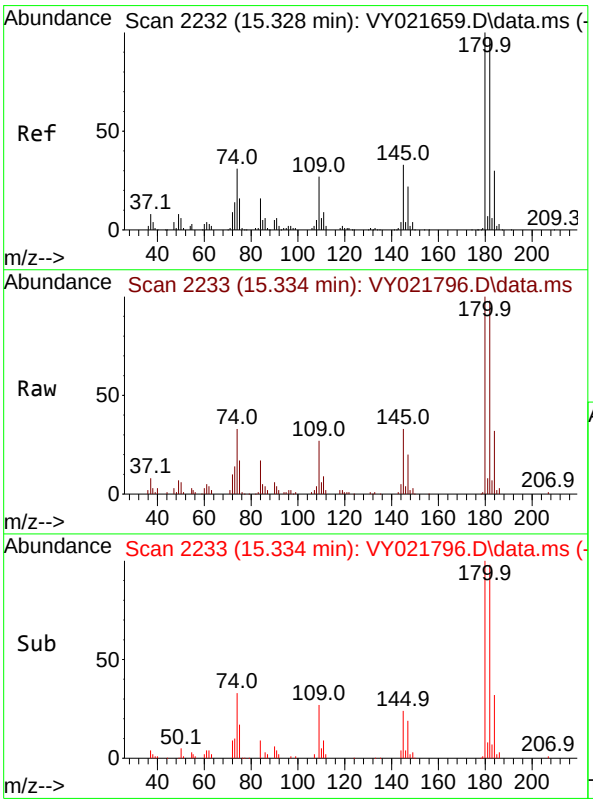
#95
Naphthalene
Concen: 17.212 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0407SBS01

Tgt Ion:128 Resp: 70526

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	10.8	8.8	13.2

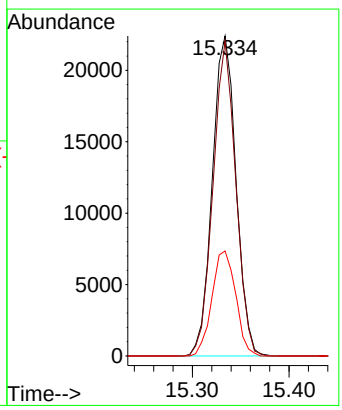




#96
1,2,3-Trichlorobenzene
Concen: 18.085 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021796.D
Acq: 07 Apr 2025 14:07

Tgt Ion:180 Resp: 38125

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.5
145	32.9	15.9	47.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	224532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	341352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122404	50.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.634	113	98899	44.664	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.320%			
50) Toluene-d8	10.109	98	440661	52.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.620%			
62) 4-Bromofluorobenzene	12.408	95	154801	54.329	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	109111	46.885	ug/l	98
3) Chloromethane	2.068	50	149962	45.826	ug/l	98
4) Vinyl Chloride	2.202	62	172733	46.675	ug/l	97
5) Bromomethane	2.592	94	109683	43.454	ug/l	97
6) Chloroethane	2.733	64	113301	46.787	ug/l	100
7) Trichlorofluoromethane	3.056	101	224789	47.416	ug/l	98
8) Diethyl Ether	3.452	74	62320	48.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	122782	49.106	ug/l	99
10) Methyl Iodide	4.001	142	148881	54.276	ug/l	99
11) Tert butyl alcohol	4.866	59	38412	243.094	ug/l	100
12) 1,1-Dichloroethene	3.787	96	116318	49.389	ug/l	99
13) Acrolein	3.659	56	22716	78.732	ug/l	97
14) Allyl chloride	4.385	41	184227	49.061	ug/l	98
15) Acrylonitrile	5.061	53	136191	253.002	ug/l	99
16) Acetone	3.873	43	104517	209.922	ug/l	99
17) Carbon Disulfide	4.104	76	362183	46.691	ug/l	97
18) Methyl Acetate	4.385	43	76494	61.991	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	301905	51.489	ug/l	98
20) Methylene Chloride	4.616	84	129704	53.510	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	128306	49.480	ug/l	99
22) Diisopropyl ether	6.019	45	406412	51.594	ug/l	98
23) Vinyl Acetate	5.958	43	1005856	218.278	ug/l	100
24) 1,1-Dichloroethane	5.915	63	234722	49.834	ug/l	99
25) 2-Butanone	6.890	43	172460	242.513	ug/l	99
26) 2,2-Dichloropropane	6.884	77	203337	48.532	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	147307	50.515	ug/l	98
28) Bromochloromethane	7.244	49	98094	49.382	ug/l	98
29) Tetrahydrofuran	7.262	42	118440	258.784	ug/l	100
30) Chloroform	7.421	83	246310	50.278	ug/l	96
31) Cyclohexane	7.701	56	204030	47.519	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221309	49.982	ug/l	99
36) 1,1-Dichloropropene	7.835	75	174776	51.820	ug/l	99
37) Ethyl Acetate	6.982	43	80524	50.589	ug/l	99
38) Carbon Tetrachloride	7.817	117	201147	52.071	ug/l	100
39) Methylcyclohexane	9.110	83	213550	53.002	ug/l	98
40) Benzene	8.079	78	524100	51.889	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	41173	48.707	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	150119	52.720	ug/l		100
43) Isopropyl Acetate	8.195	43	158937	52.690	ug/l		98
44) Trichloroethene	8.866	130	153934	59.815	ug/l		98
45) 1,2-Dichloropropane	9.140	63	126060	52.726	ug/l		98
46) Dibromomethane	9.231	93	72759	52.805	ug/l		98
47) Bromodichloromethane	9.427	83	186427	52.215	ug/l		99
48) Methyl methacrylate	9.219	41	75589	54.600	ug/l		99
49) 1,4-Dioxane	9.231	88	16797	1137.947	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	437927	278.979	ug/l		99
52) Toluene	10.170	92	337143	53.500	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	165396	52.154	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	195840	52.346	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	95662	53.949	ug/l		98
56) Ethyl methacrylate	10.439	69	131852	58.234	ug/l		98
57) 1,3-Dichloropropane	10.719	76	166086	54.234	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	325502	294.697	ug/l		100
59) 2-Hexanone	10.762	43	291456	278.791	ug/l		99
60) Dibromochloromethane	10.914	129	128616	53.126	ug/l		100
61) 1,2-Dibromoethane	11.012	107	90766	54.567	ug/l		99
64) Tetrachloroethene	10.646	164	188331	66.382	ug/l		98
65) Chlorobenzene	11.444	112	368544	51.612	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	130042	51.329	ug/l		99
67) Ethyl Benzene	11.518	91	651824	53.233	ug/l		99
68) m/p-Xylenes	11.627	106	498739	106.367	ug/l		100
69) o-Xylene	11.957	106	233580	53.967	ug/l		98
70) Styrene	11.969	104	397557	55.090	ug/l		100
71) Bromoform	12.133	173	76677	53.058	ug/l	#	100
73) Isopropylbenzene	12.255	105	623474	49.859	ug/l		100
74) N-amyl acetate	12.072	43	147196	50.156	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	69040	30.709	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	147788	88.555	ug/l	#	100
77) Bromobenzene	12.530	156	148624	49.502	ug/l		98
78) n-propylbenzene	12.597	91	755384	50.246	ug/l		99
79) 2-Chlorotoluene	12.682	91	429871	49.230	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	515287	50.419	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	33694	46.520	ug/l		99
82) 4-Chlorotoluene	12.780	91	446850	49.086	ug/l		100
83) tert-Butylbenzene	12.999	119	452797	49.742	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	519749	51.455	ug/l		99
85) sec-Butylbenzene	13.176	105	670543	50.405	ug/l		99
86) p-Isopropyltoluene	13.292	119	567055	51.574	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	291683	49.310	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	288989	49.448	ug/l		99
89) n-Butylbenzene	13.621	91	522872	51.422	ug/l		100
90) Hexachloroethane	13.877	117	117807	48.894	ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	257864	50.078	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17640	50.624	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	152417	54.582	ug/l		99
94) Hexachlorobutadiene	15.023	225	90260	51.756	ug/l		99
95) Naphthalene	15.145	128	278323	60.132	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	132748	55.748	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

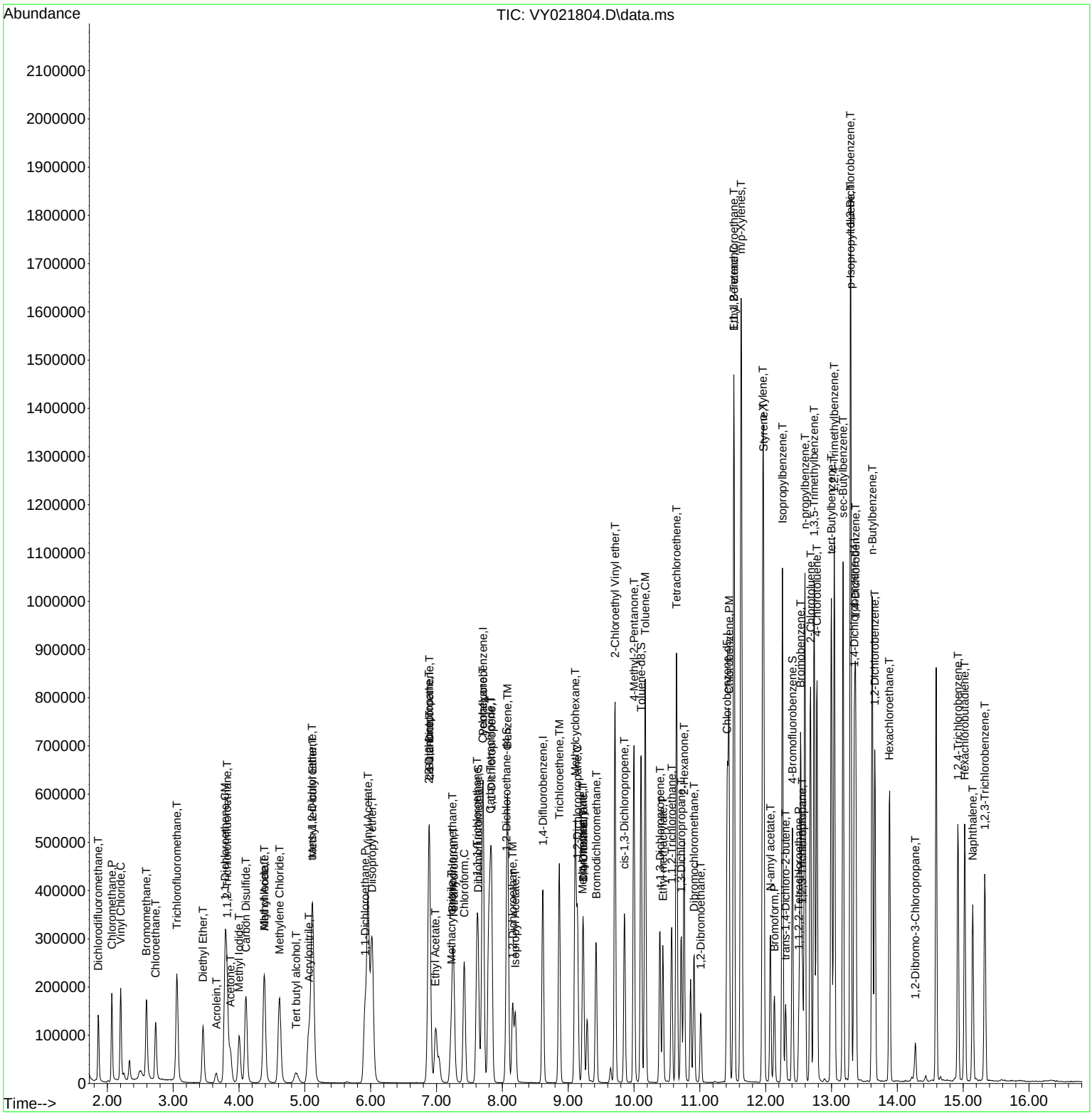
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

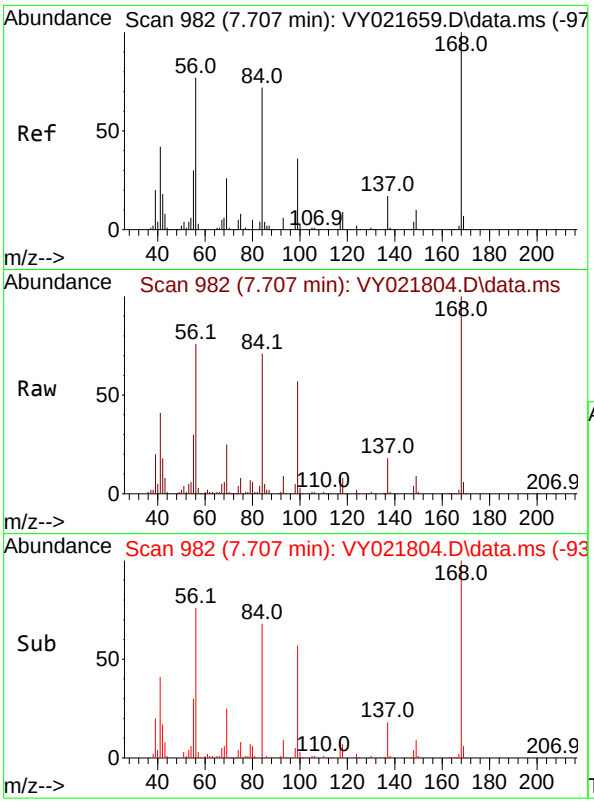
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021804.D
Acq On : 07 Apr 2025 17:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 08 03:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



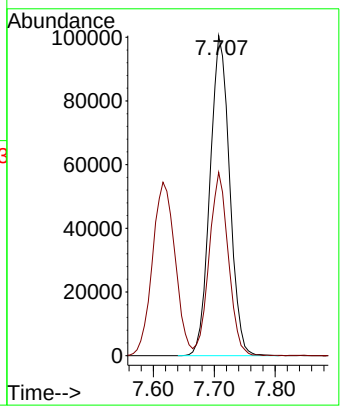


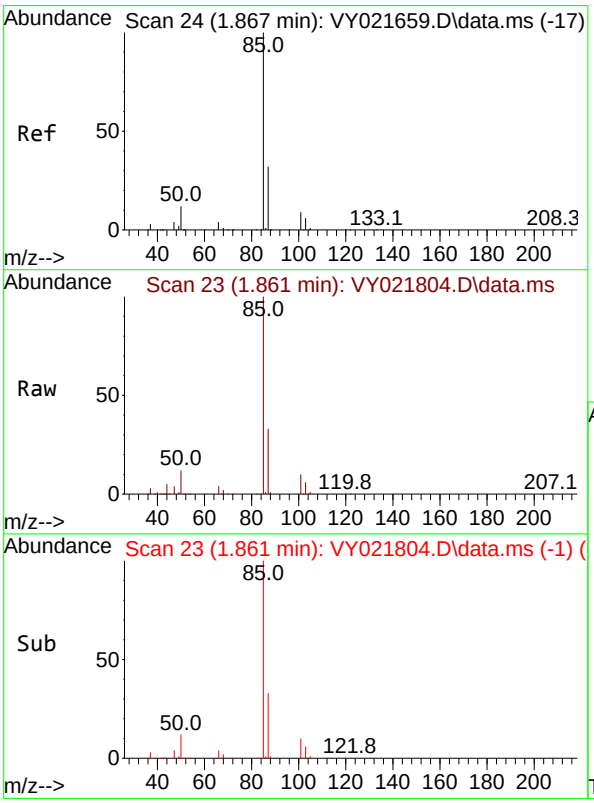
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 224532

Ion	Ratio	Lower	Upper
168	100		
99	57.2	46.7	70.1

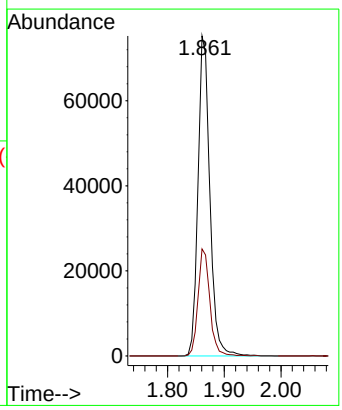


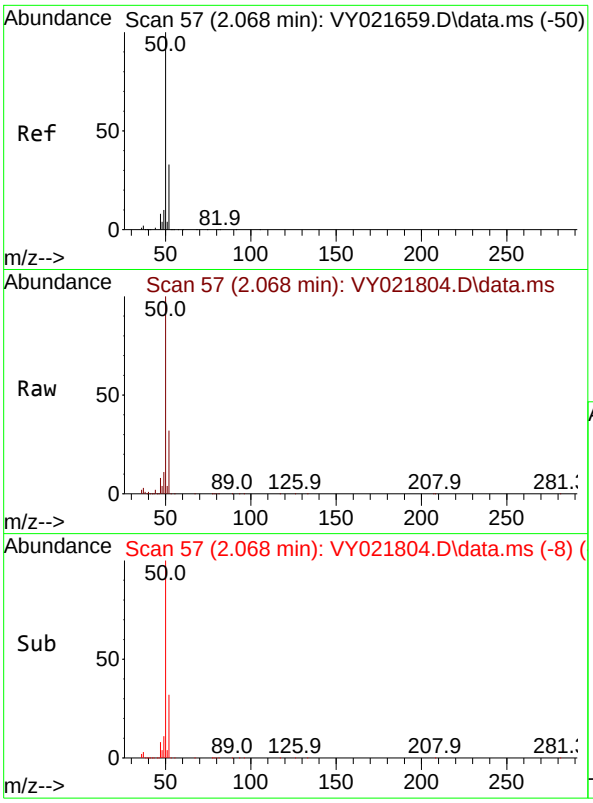


#2
Dichlorodifluoromethane
Concen: 46.885 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 85 Resp: 109111

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.2	48.6



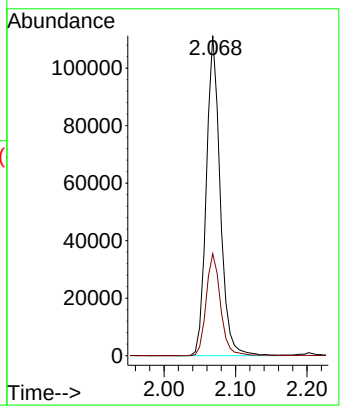


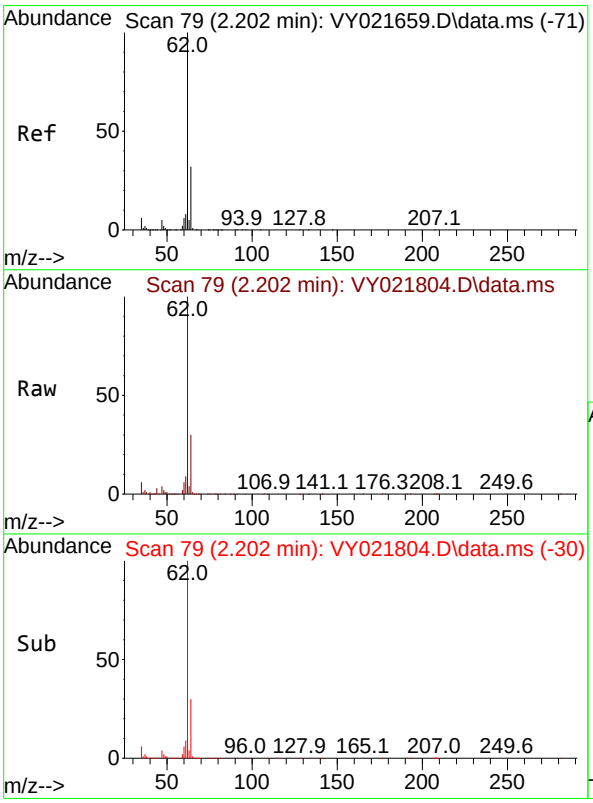
#3
Chloromethane
Concen: 45.826 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 149962

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.3	39.5

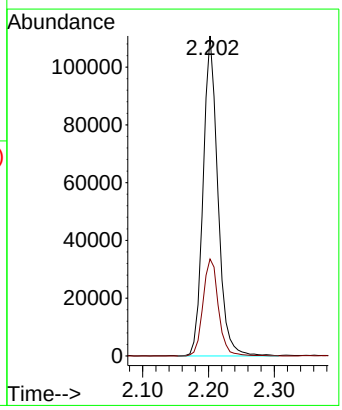


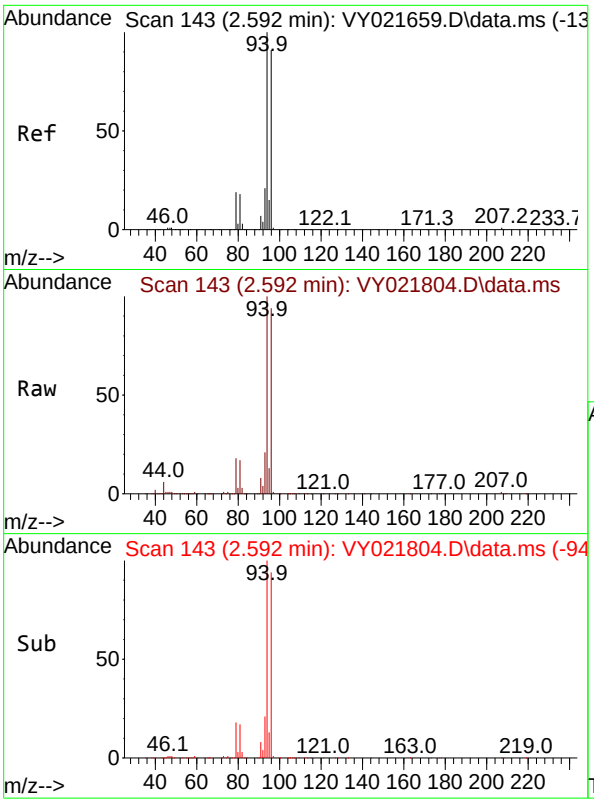


#4
Vinyl Chloride
Concen: 46.675 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 62 Resp: 172733

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.5	38.3



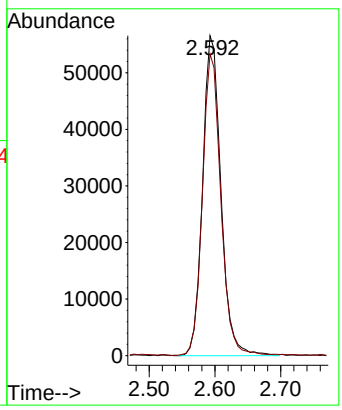


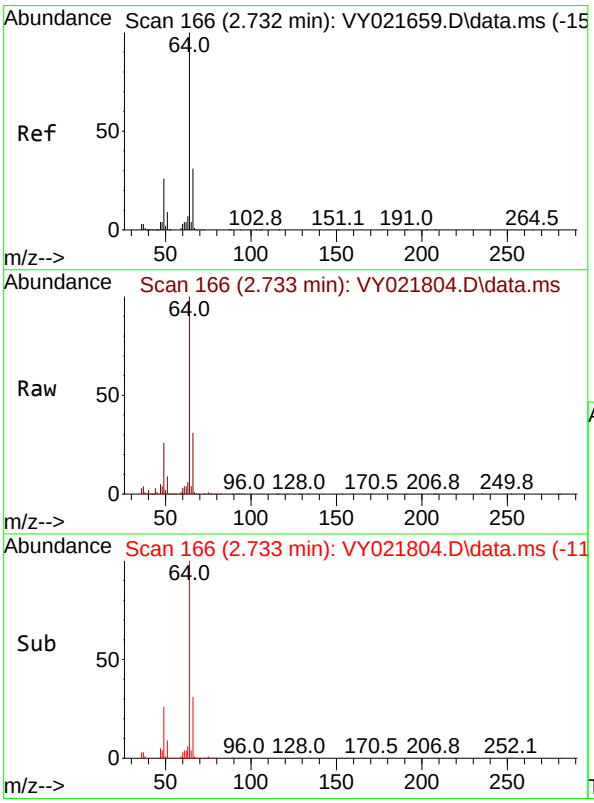
#5
Bromomethane
Concen: 43.454 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 109683

Ion	Ratio	Lower	Upper
94	100		
96	94.1	72.8	109.2

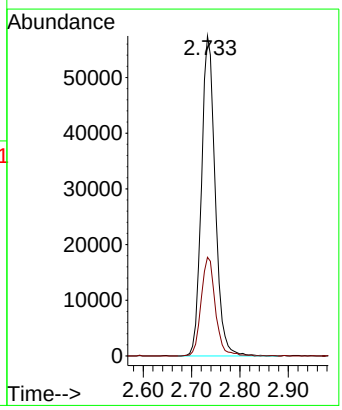


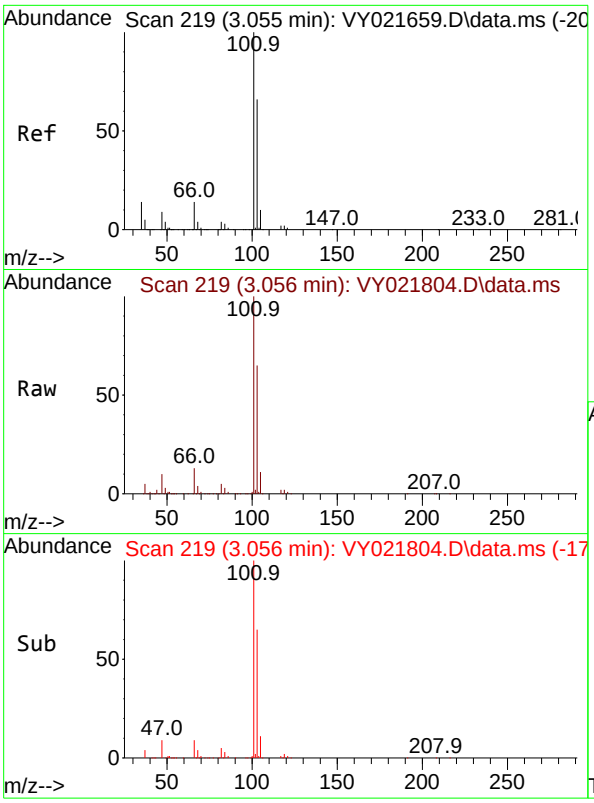


#6
Chloroethane
Concen: 46.787 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 64 Resp: 113301

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.9	37.3



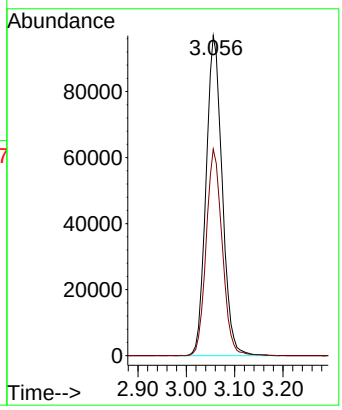


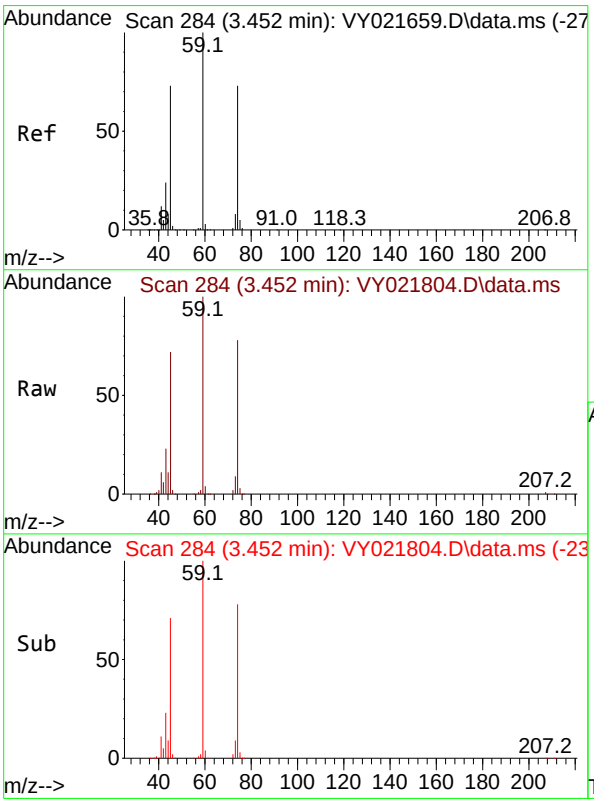
#7
Trichlorofluoromethane
Concen: 47.416 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 224789

Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.1	79.7

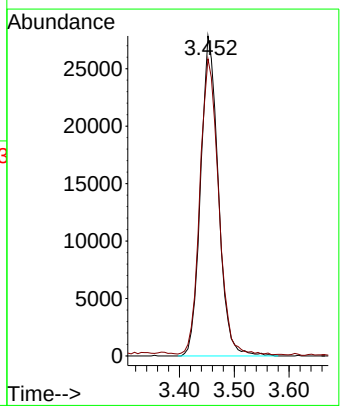


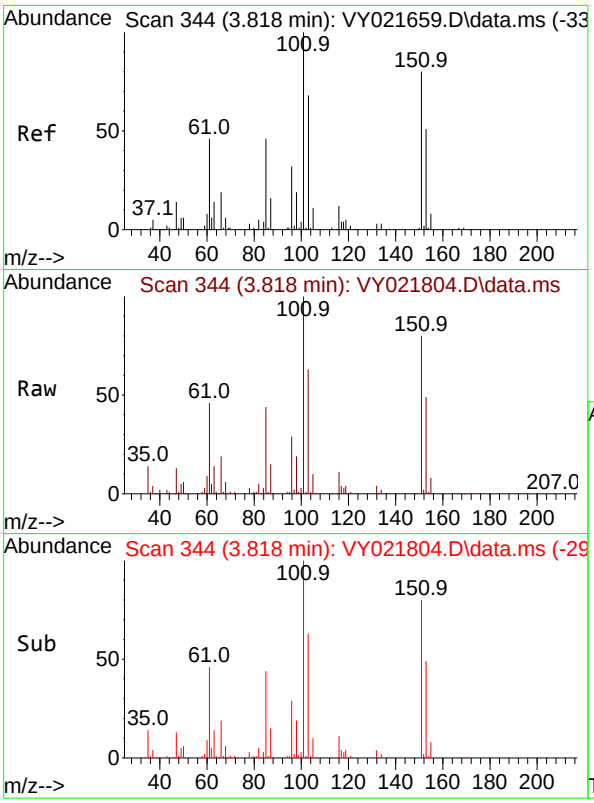


#8
Diethyl Ether
Concen: 48.339 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 74 Resp: 62320

Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.6	145.8



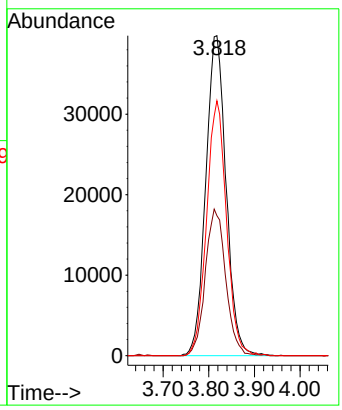


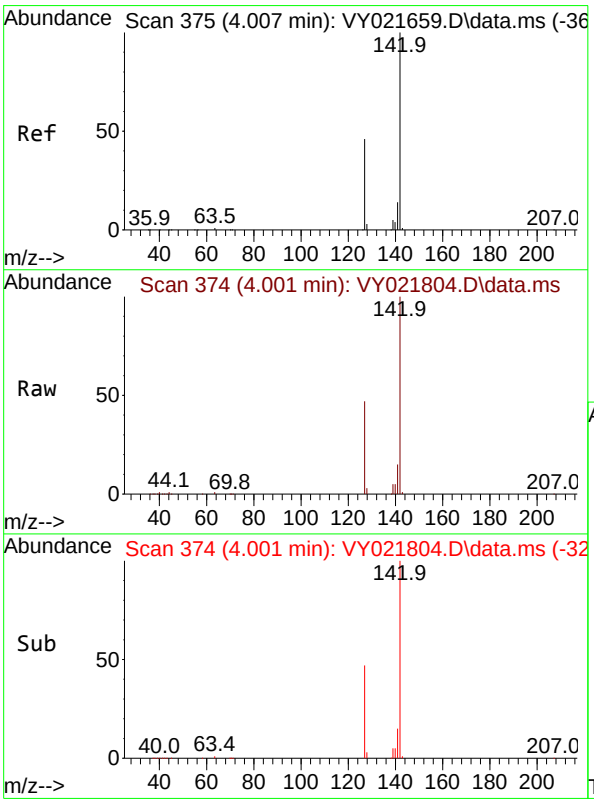
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.106 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 122782

Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.3	54.5
151	78.1	61.3	91.9

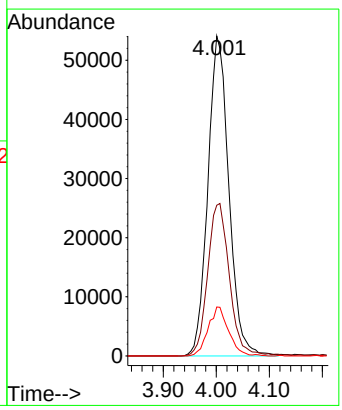


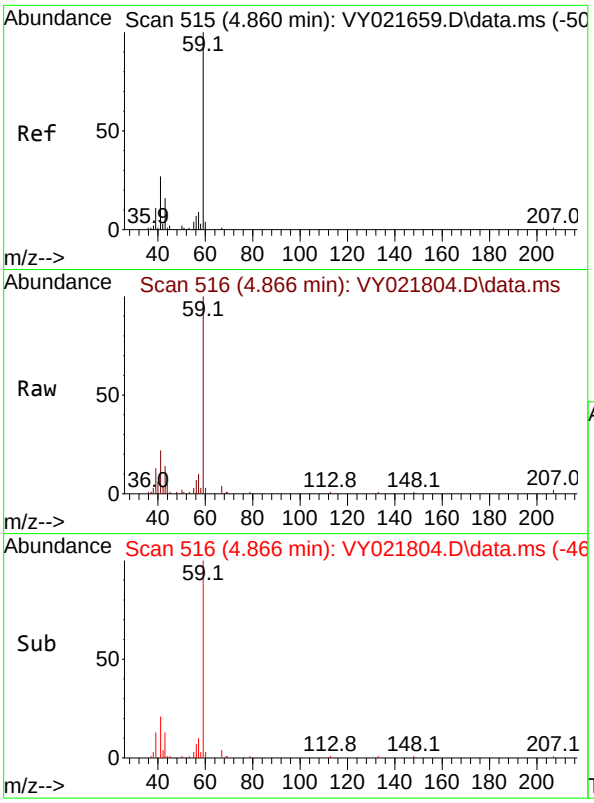


#10
Methyl Iodide
Concen: 54.276 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:142 Resp: 148881

Ion	Ratio	Lower	Upper
142	100		
127	49.5	38.7	58.1
141	14.8	11.5	17.3



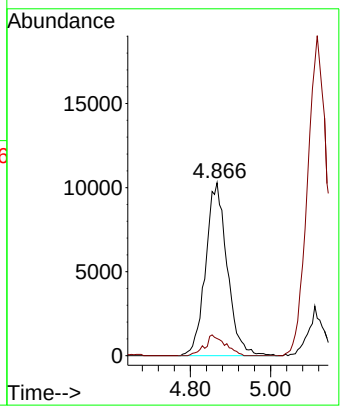


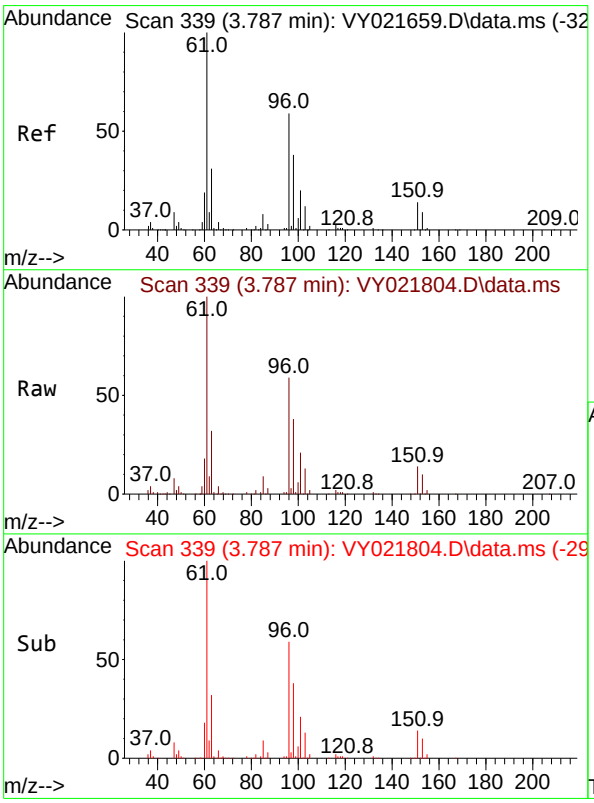
#11
Tert butyl alcohol
Concen: 243.094 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 38412

Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.2	13.8

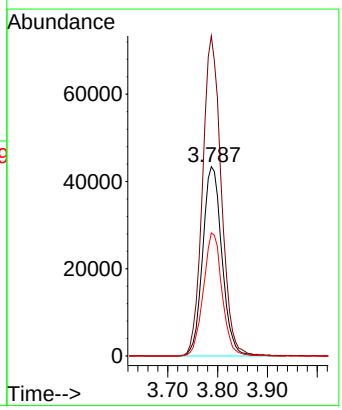


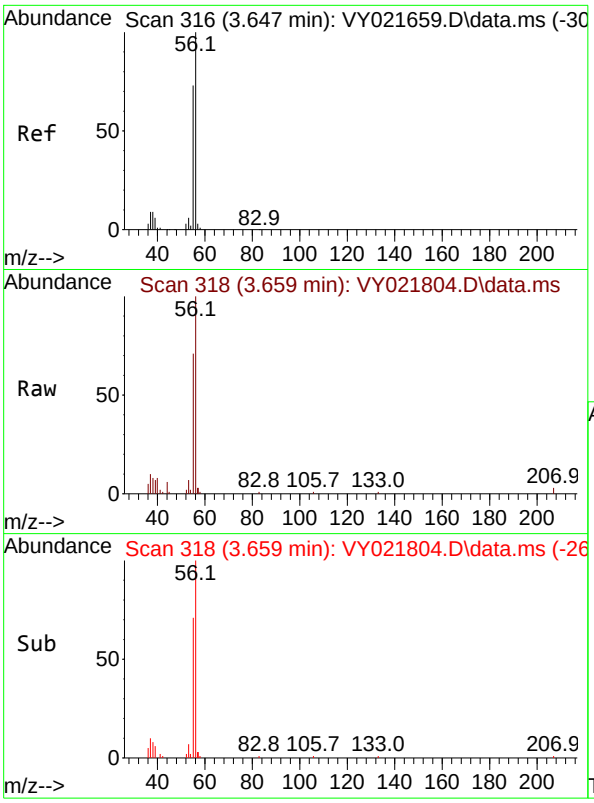


#12
1,1-Dichloroethene
Concen: 49.389 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 96 Resp: 116318

Ion	Ratio	Lower	Upper
96	100		
61	169.1	136.6	204.8
98	65.0	52.3	78.5



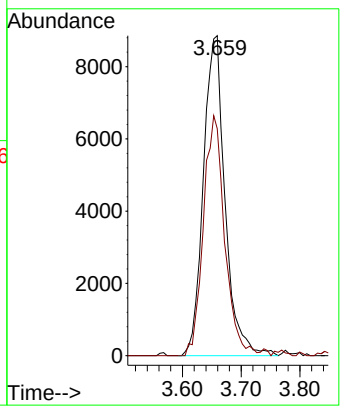


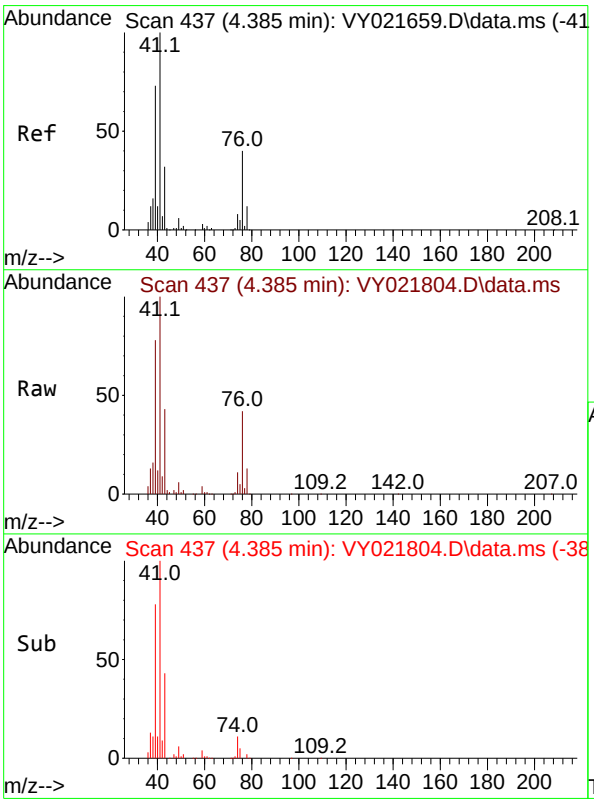
#13
Acrolein
Concen: 78.732 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 22716

Ion	Ratio	Lower	Upper
56	100		
55	73.5	56.6	85.0

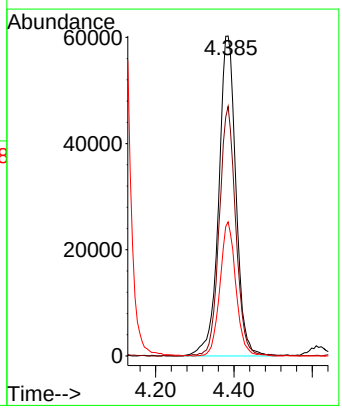


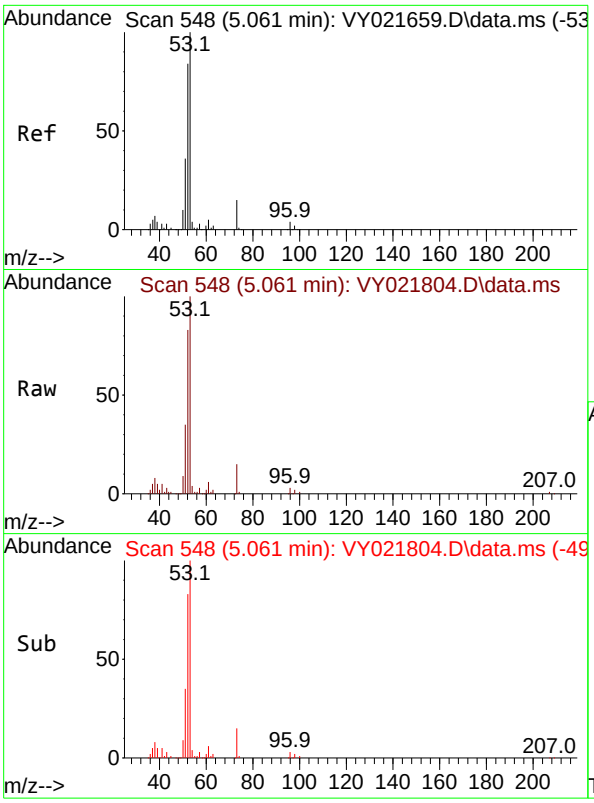


#14
Allyl chloride
Concen: 49.061 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 41 Resp: 184227

Ion	Ratio	Lower	Upper
41	100		
39	74.7	58.6	88.0
76	38.8	30.3	45.5



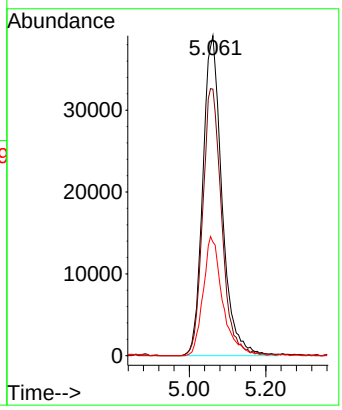


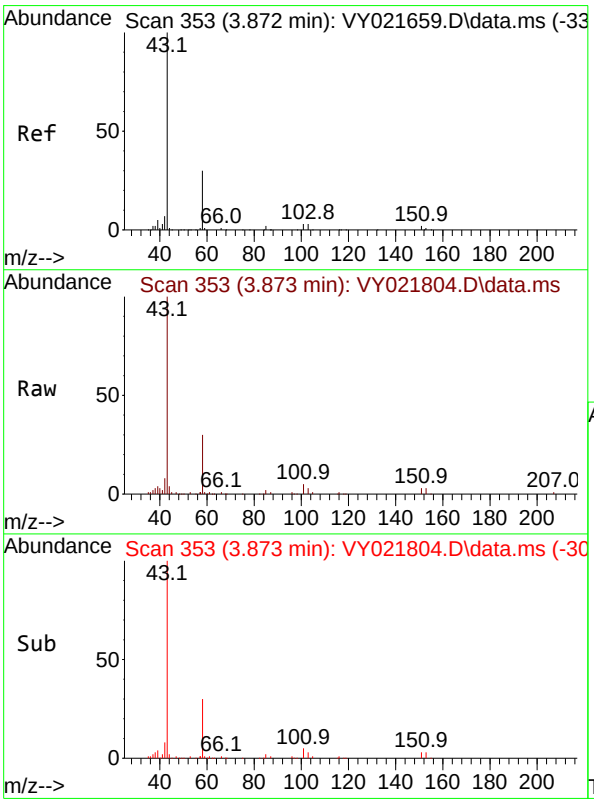
#15
Acrylonitrile
Concen: 253.002 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 136191

Ion	Ratio	Lower	Upper
53	100		
52	82.7	64.9	97.3
51	37.8	30.2	45.2

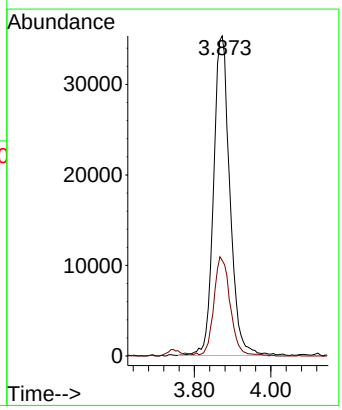


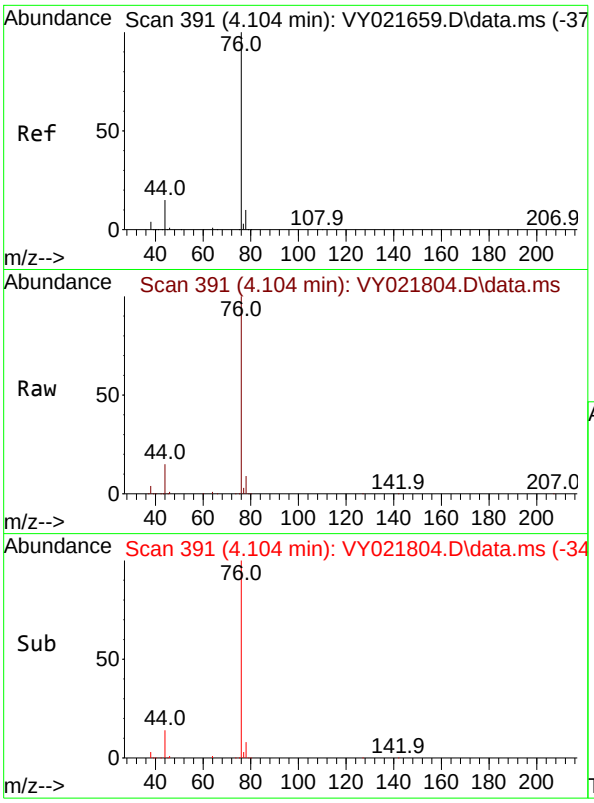


#16
Acetone
Concen: 209.922 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 104517

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.4



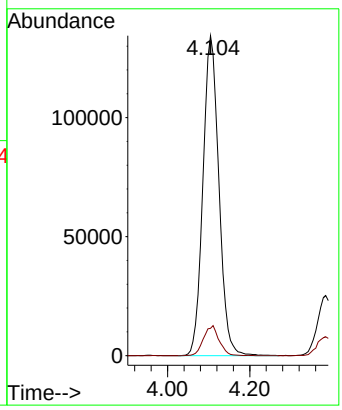


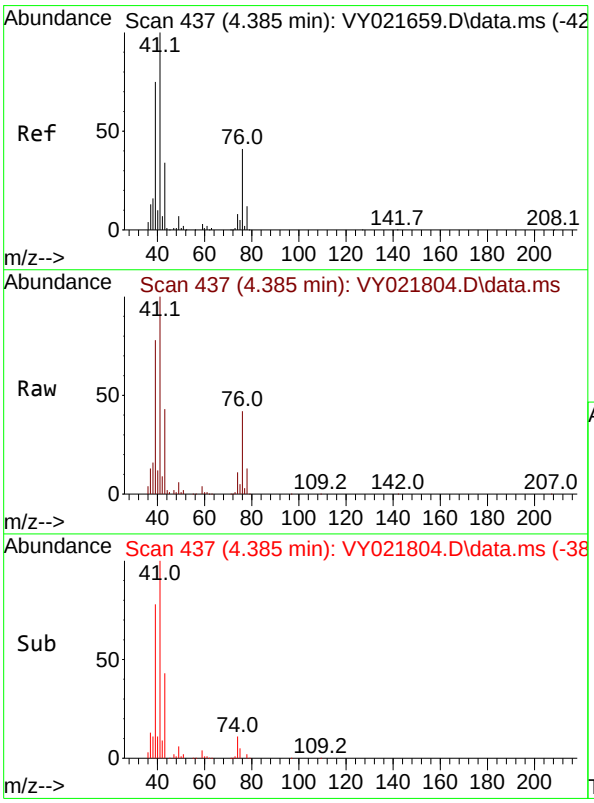
#17
Carbon Disulfide
Concen: 46.691 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 362183

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.6	11.4

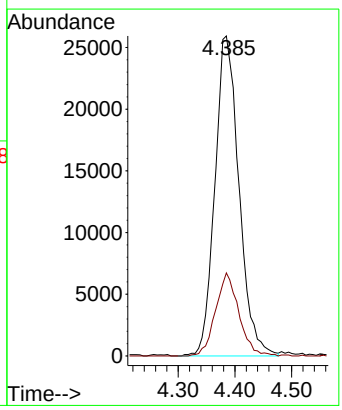


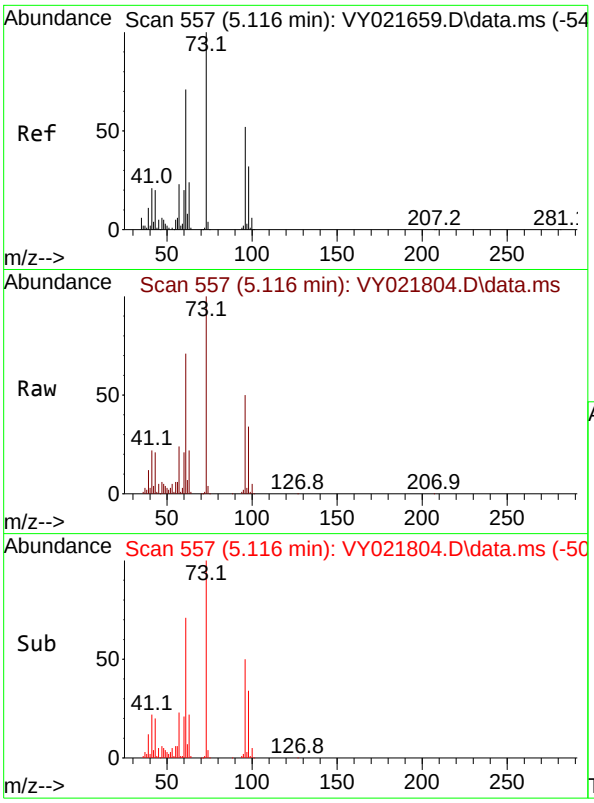


#18
Methyl Acetate
Concen: 61.991 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 76494

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.1	28.7



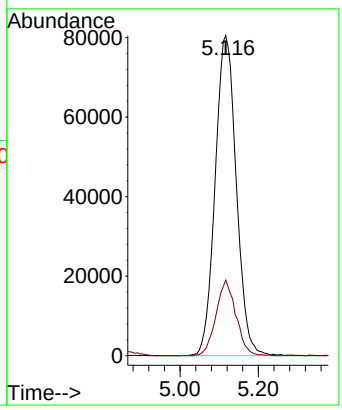


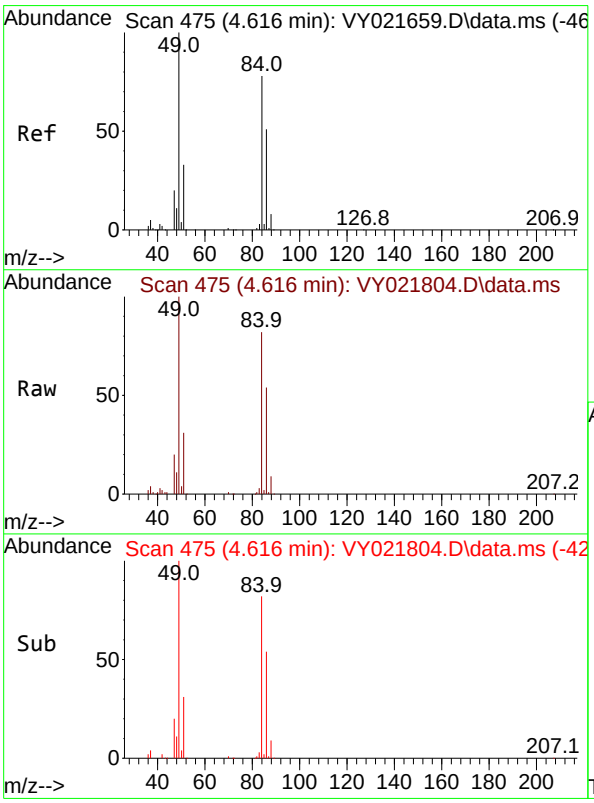
#19
Methyl tert-butyl Ether
Concen: 51.489 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 301905

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.1	27.1

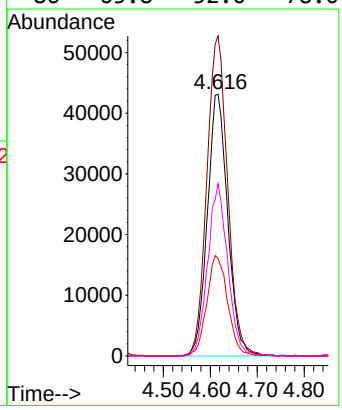


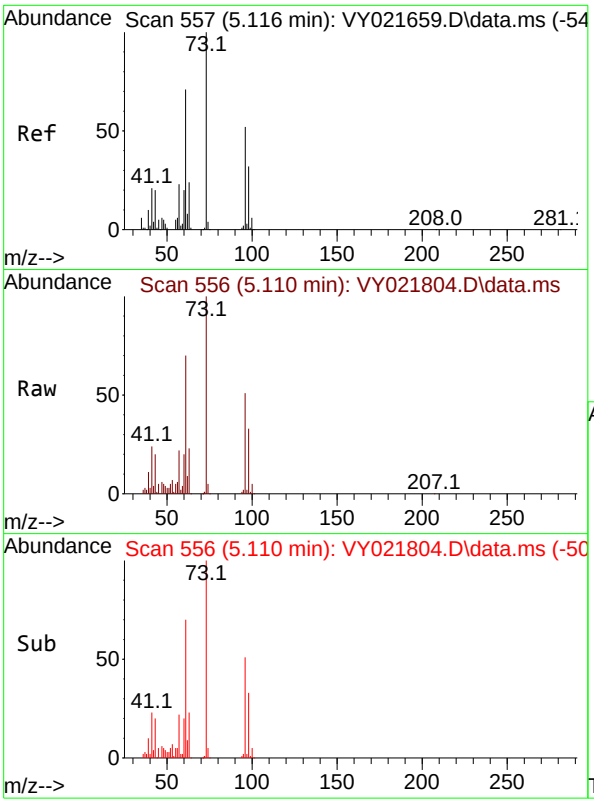


#20
Methylene Chloride
Concen: 53.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 84 Resp: 129704

Ion	Ratio	Lower	Upper
84	100		
49	122.1	102.8	154.2
51	37.4	33.5	50.3
86	65.8	52.0	78.0



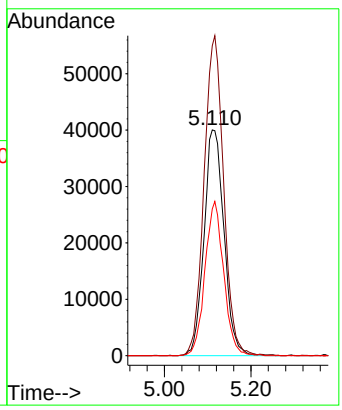


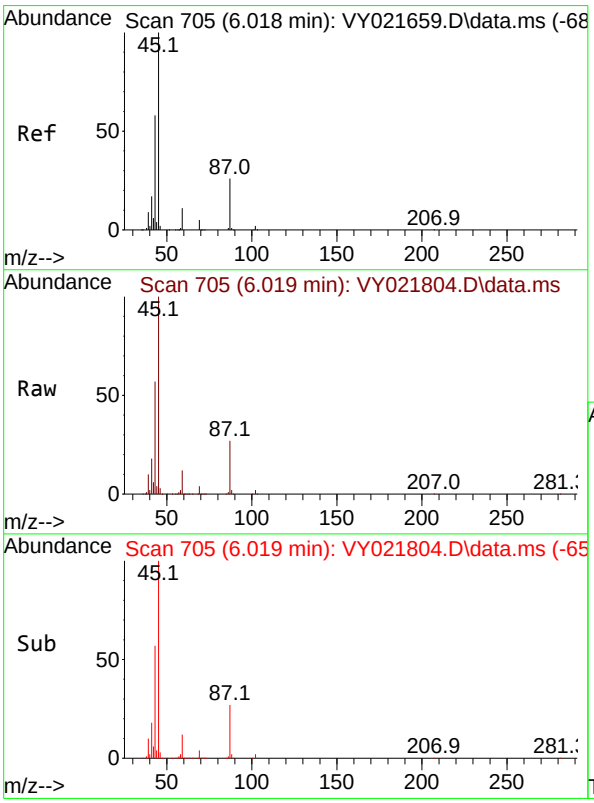
#21
trans-1,2-Dichloroethene
Concen: 49.480 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 128306

Ion	Ratio	Lower	Upper
96	100		
61	137.3	109.4	164.0
98	64.9	50.2	75.2

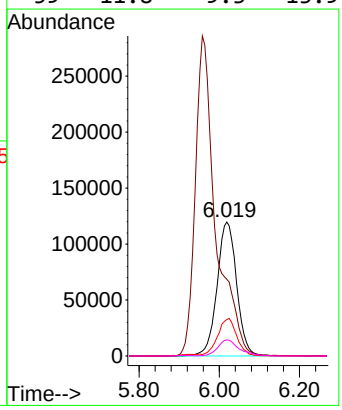


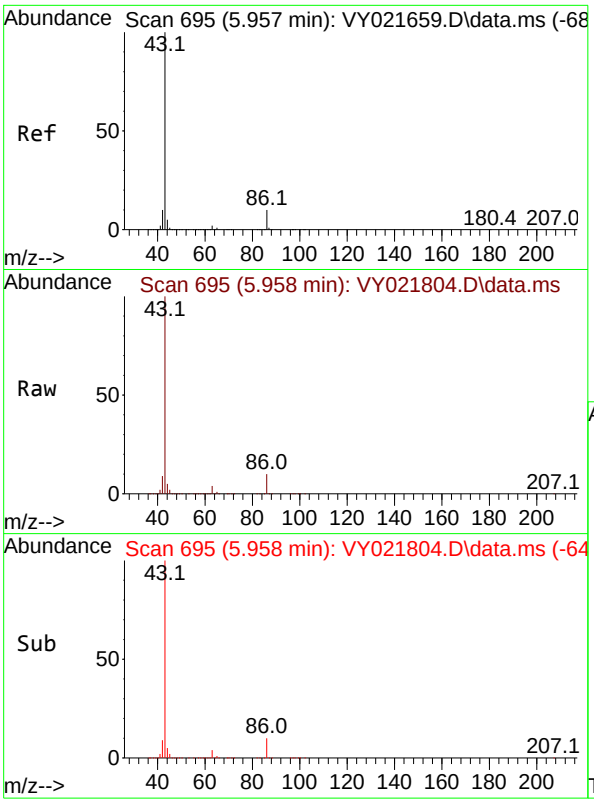


#22
Diisopropyl ether
Concen: 51.594 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 45 Resp: 406412

Ion	Ratio	Lower	Upper
45	100		
43	56.9	46.6	69.8
87	27.2	20.7	31.1
59	11.8	9.3	13.9



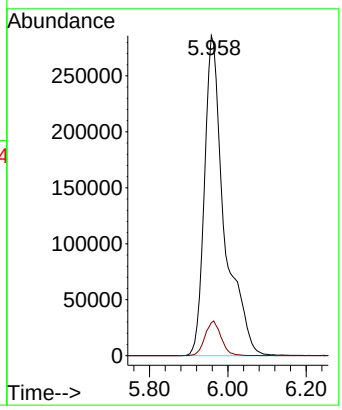


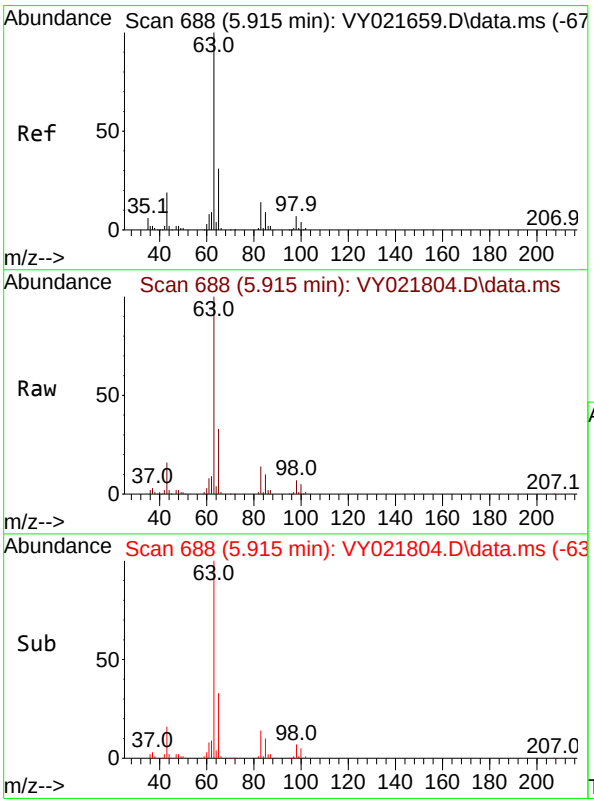
#23
Vinyl Acetate
Concen: 218.278 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1005856

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2

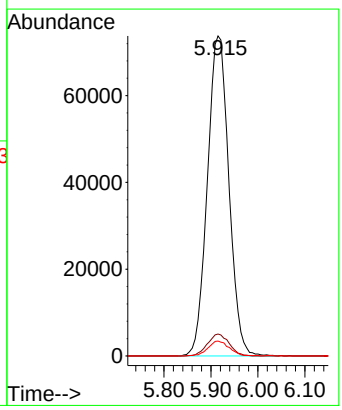


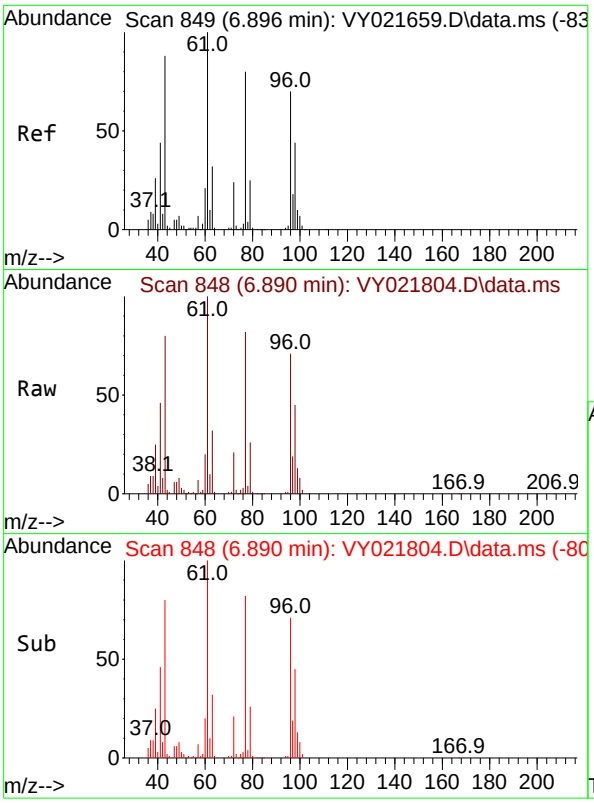


#24
1,1-Dichloroethane
Concen: 49.834 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 63 Resp: 234722

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	4.6	2.2	6.6



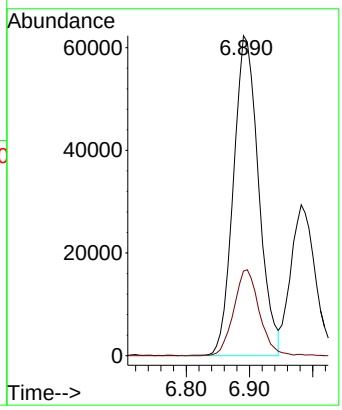


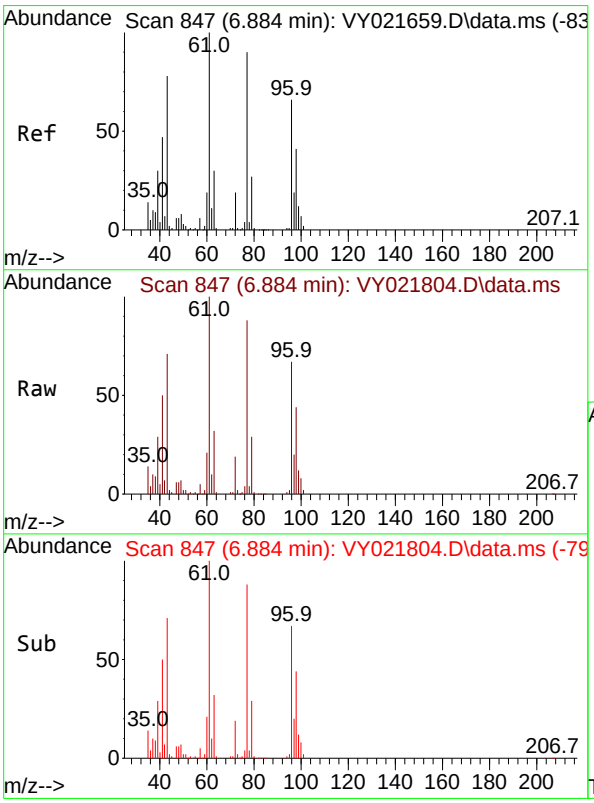
#25
2-Butanone
Concen: 242.513 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 172460

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

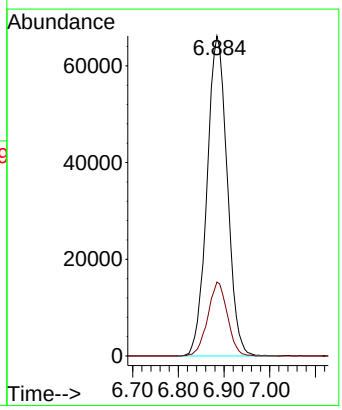


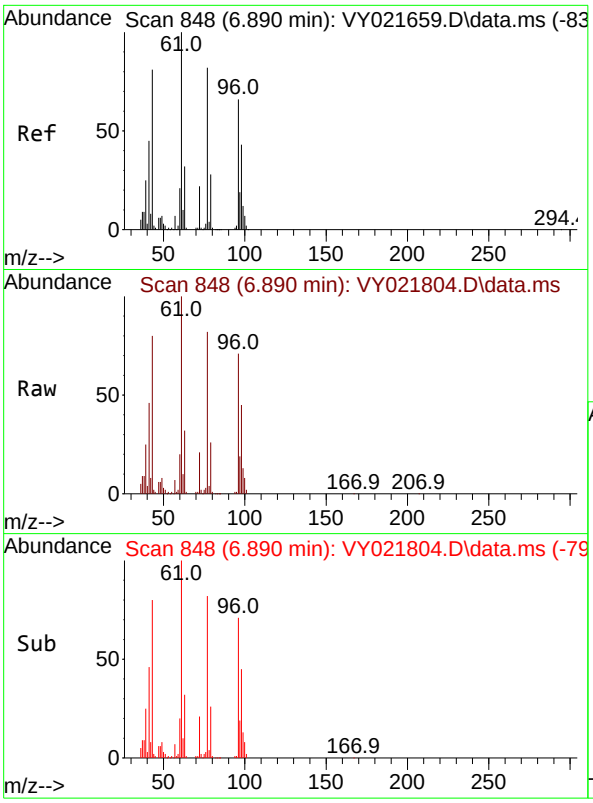


#26
2,2-Dichloropropane
Concen: 48.532 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 77 Resp: 203337

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.1



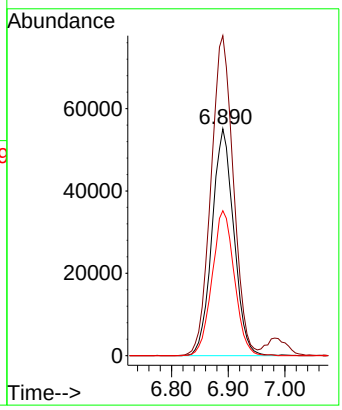


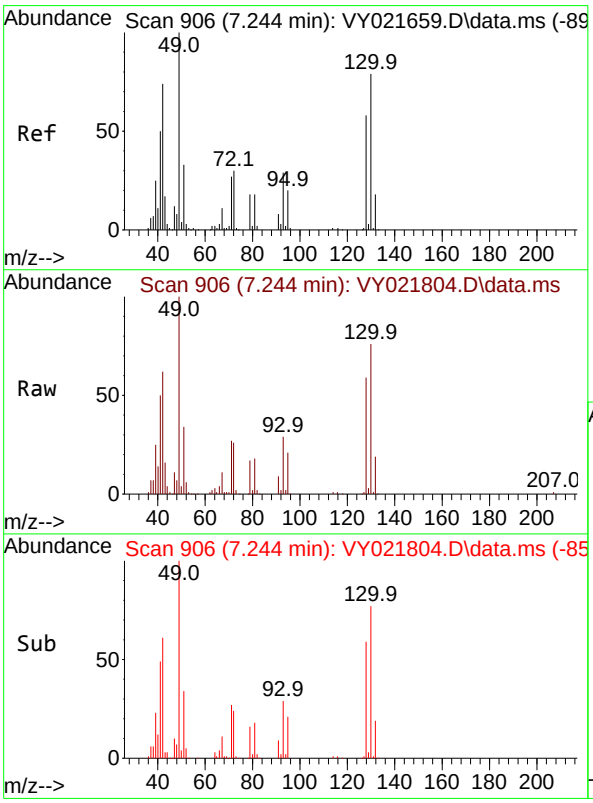
#27
cis-1,2-Dichloroethene
Concen: 50.515 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 147307

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	296.4
98	65.4	0.0	128.0

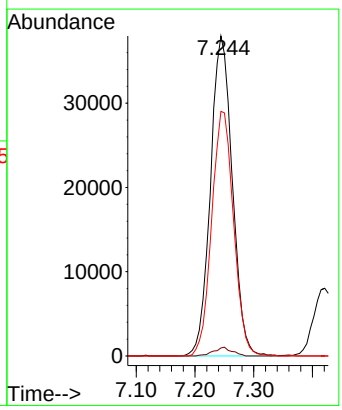


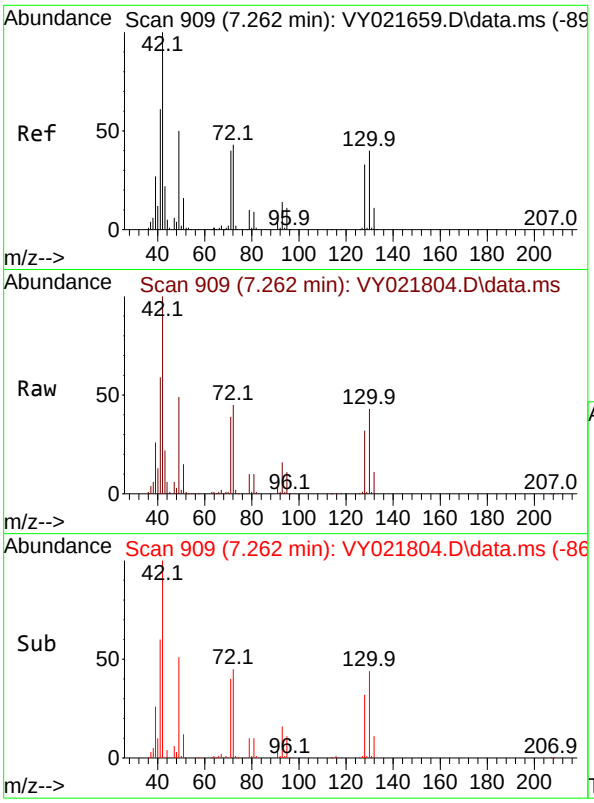


#28
Bromochloromethane
Concen: 49.382 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 49 Resp: 98094

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.6	60.1	90.1



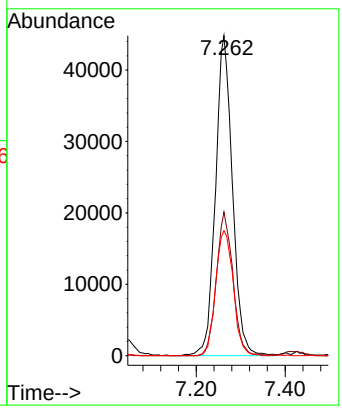


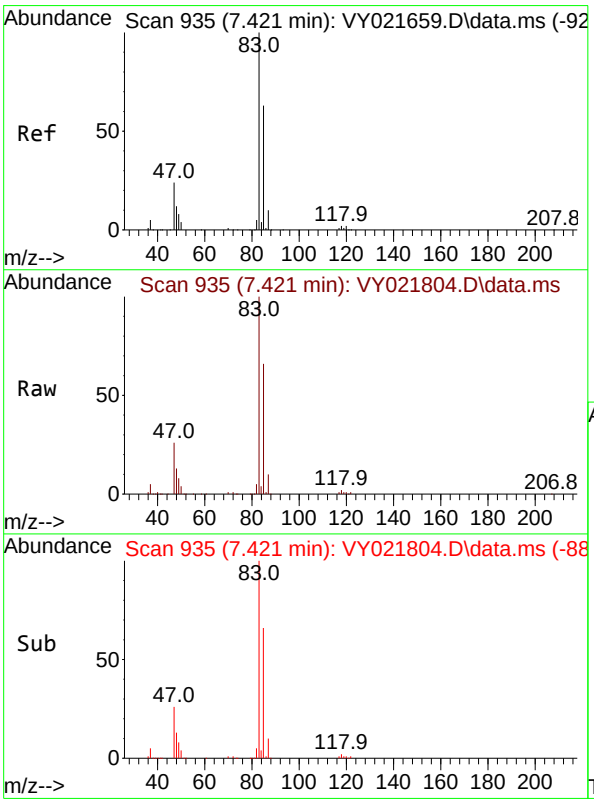
#29
Tetrahydrofuran
Concen: 258.784 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 118440

Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	52.0
71	40.6	32.5	48.7

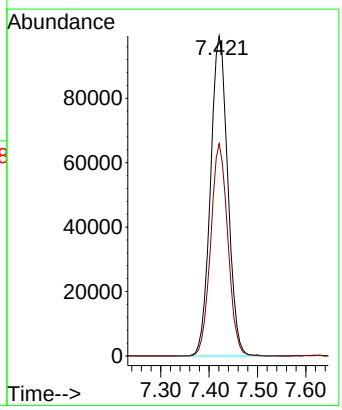


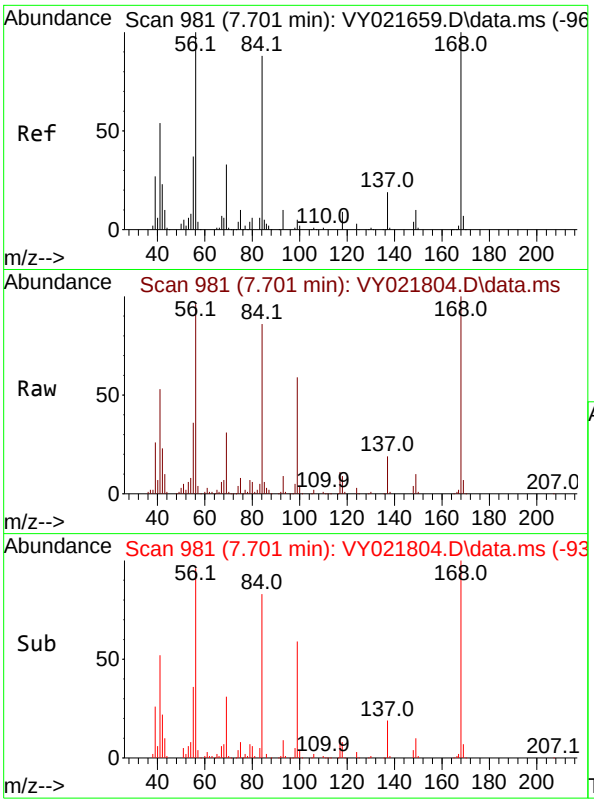


#30
Chloroform
Concen: 50.278 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 83 Resp: 246310

Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.6	75.8



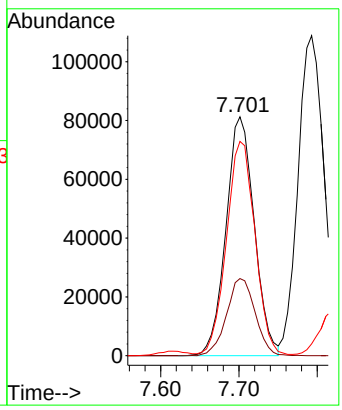


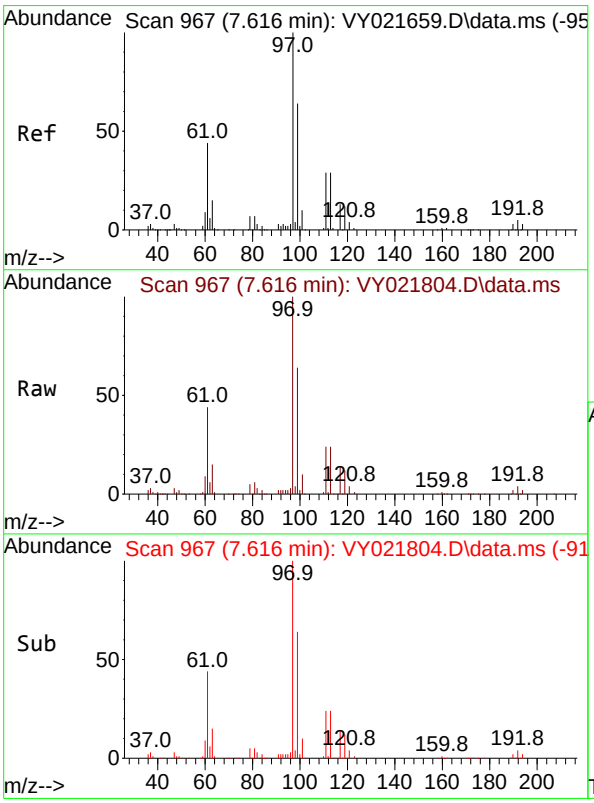
#31
Cyclohexane
Concen: 47.519 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 204030

Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.6	40.0
84	87.9	69.0	103.4

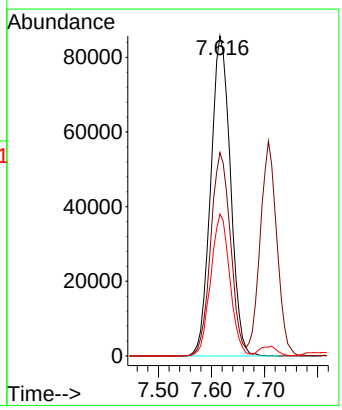


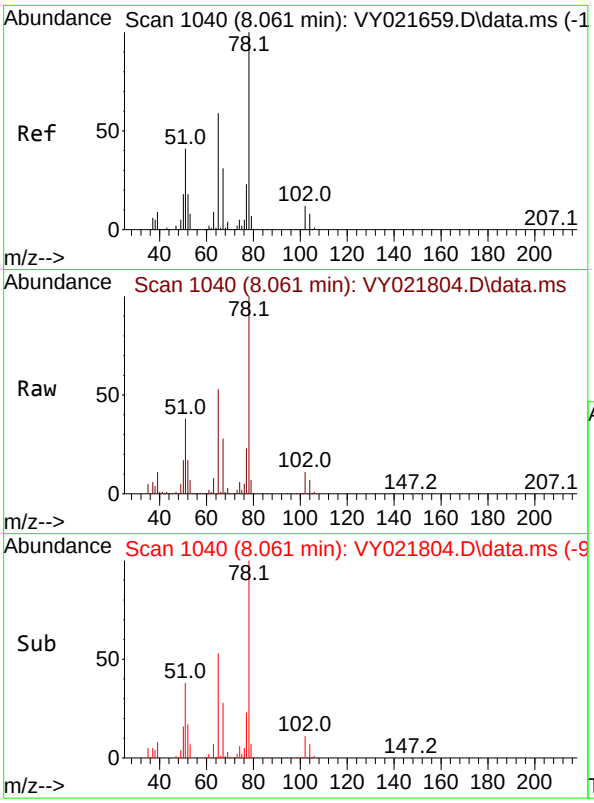


#32
1,1,1-Trichloroethane
Concen: 49.982 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 97 Resp: 221309

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	43.2	35.2	52.8



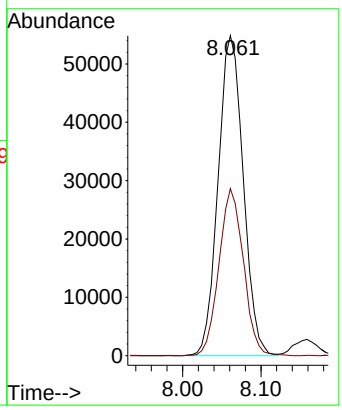


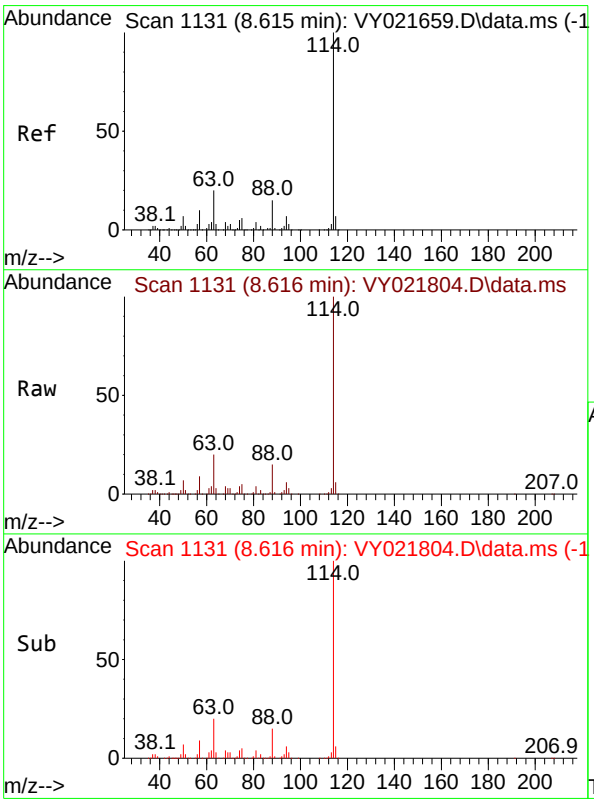
#33
1,2-Dichloroethane-d4
Concen: 50.315 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 122404

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	104.6

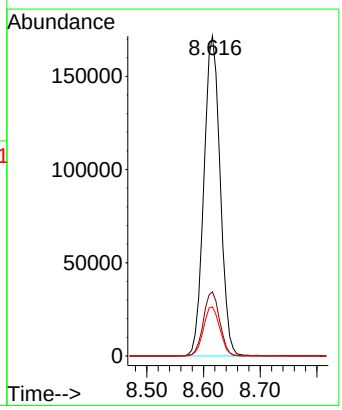


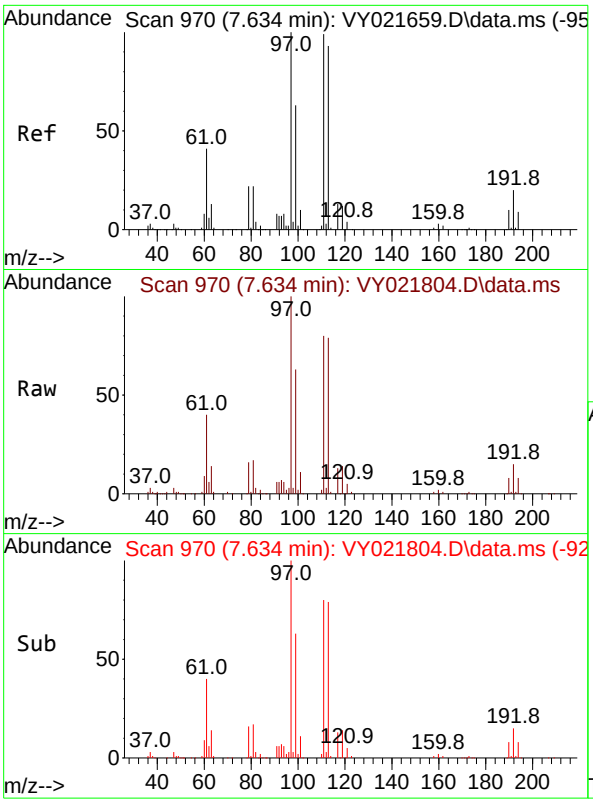


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:114 Resp: 341352

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.3	0.0	29.8



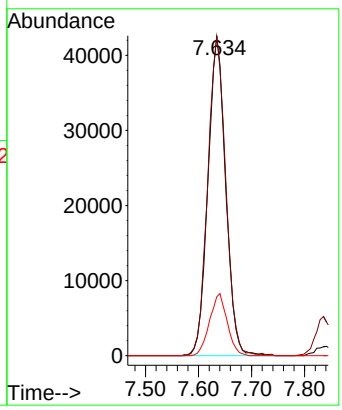


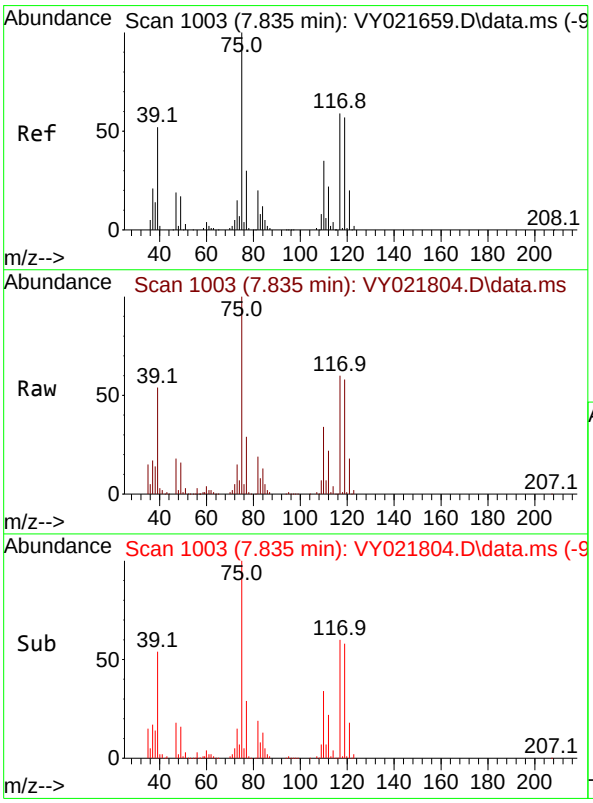
#35
Dibromofluoromethane
Concen: 44.664 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 98899

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	123.8
192	19.4	16.2	24.4

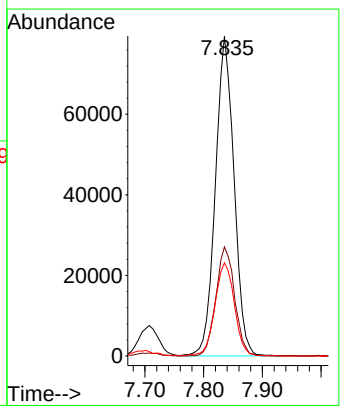


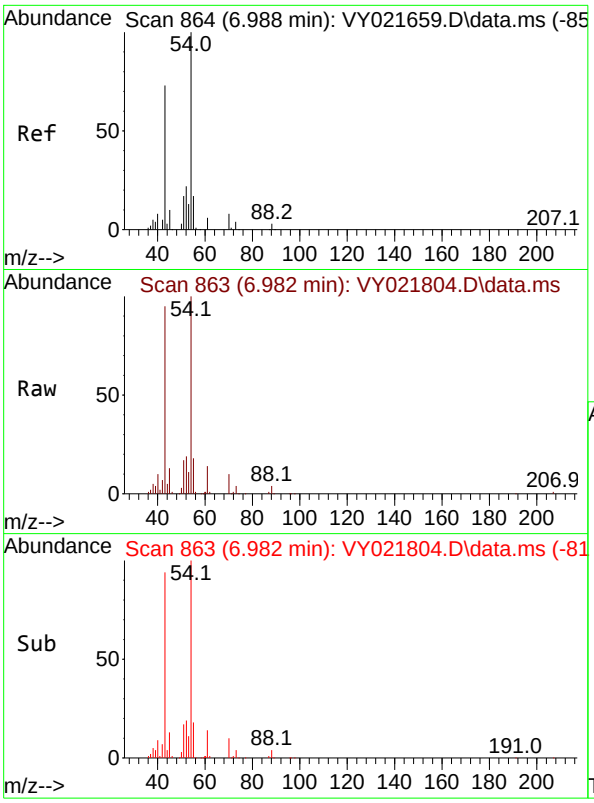


#36
1,1-Dichloropropene
Concen: 51.820 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 174776

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.5	24.8	37.2



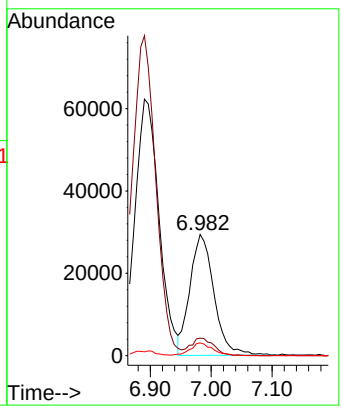


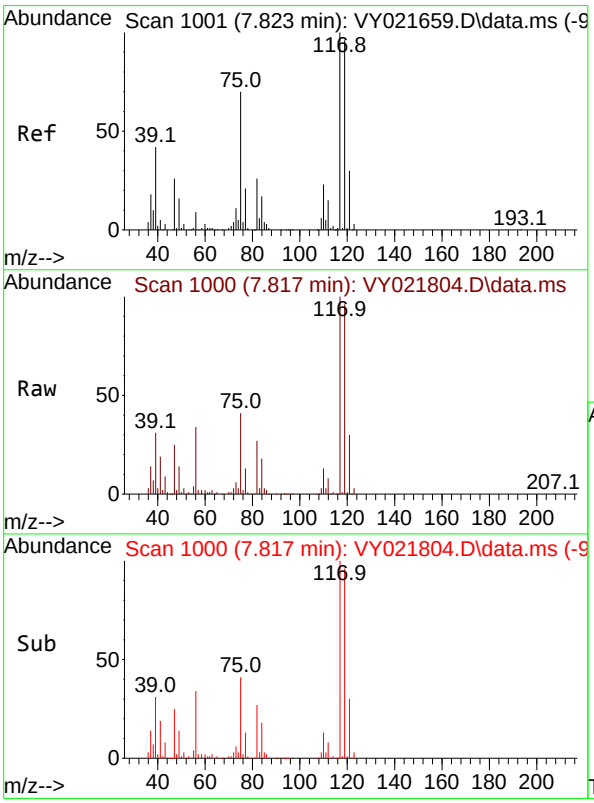
#37
Ethyl Acetate
Concen: 50.589 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 80524

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	9.9	8.1	12.1

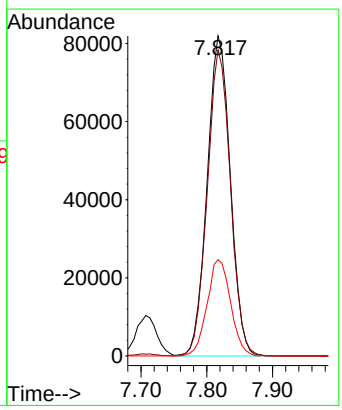


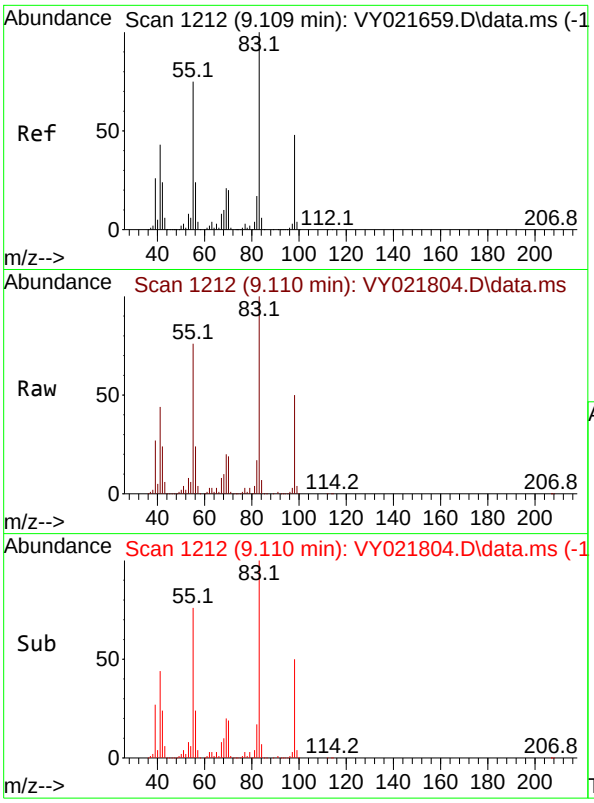


#38
Carbon Tetrachloride
Concen: 52.071 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:117 Resp: 201147

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.2	114.4
121	30.1	24.2	36.4



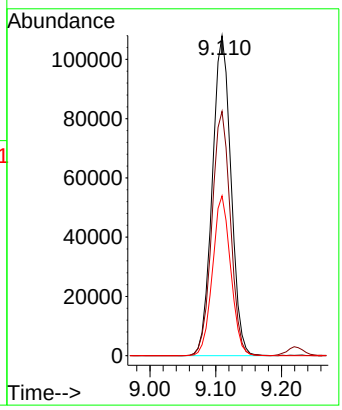


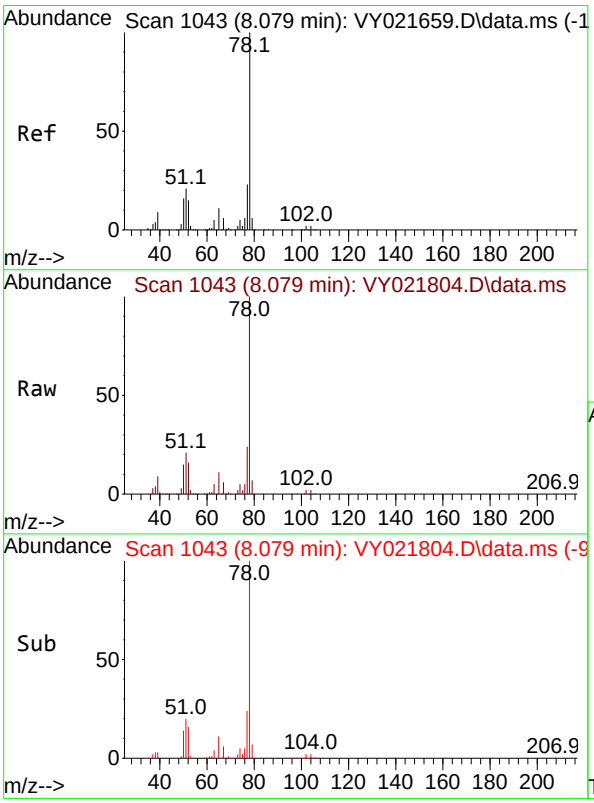
#39
Methylcyclohexane
Concen: 53.002 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 213550

Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	50.0	38.3	57.5

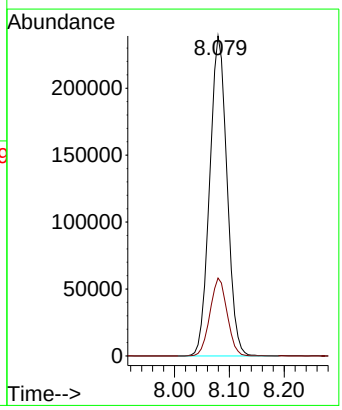


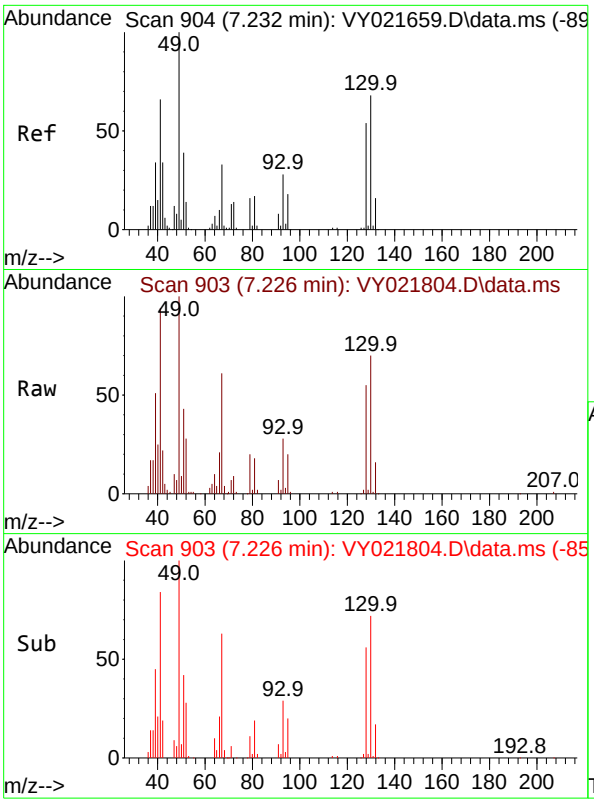


#40
Benzene
Concen: 51.889 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 78 Resp: 524100

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



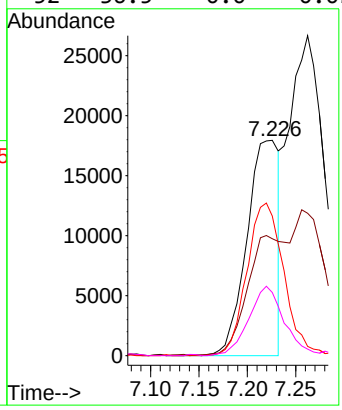


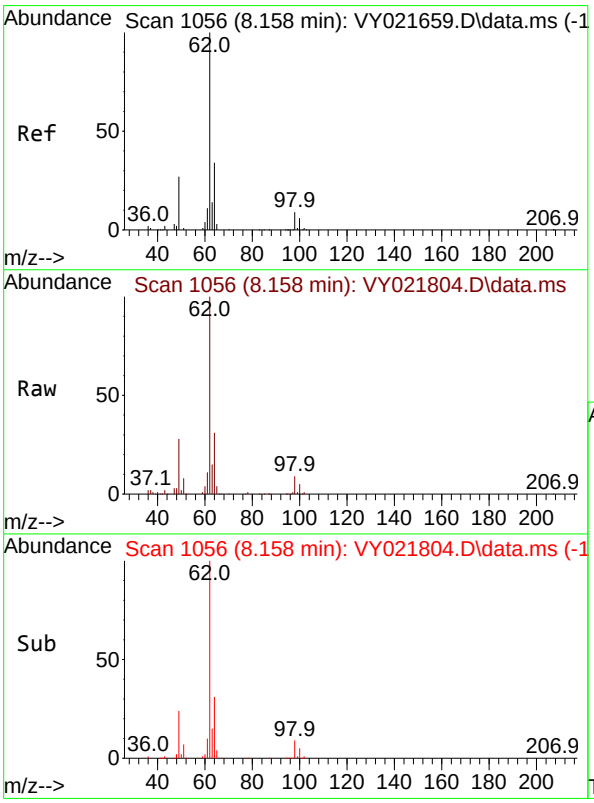
#41
Methacrylonitrile
Concen: 48.707 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 41173

Ion	Ratio	Lower	Upper
41	100		
39	63.5	0.0	0.0#
67	82.3	0.0	0.0#
52	36.5	0.0	0.0#

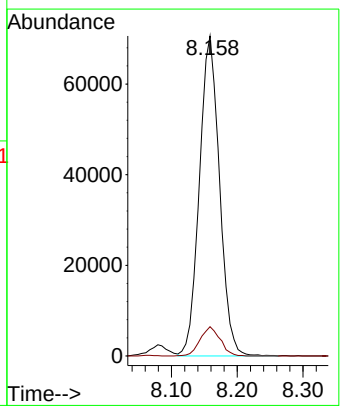


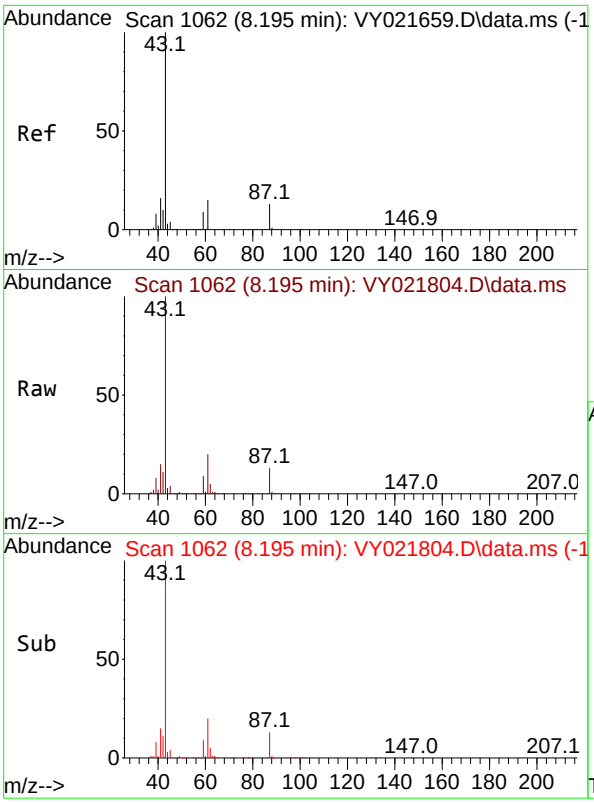


#42
1,2-Dichloroethane
Concen: 52.720 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 62 Resp: 150119

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



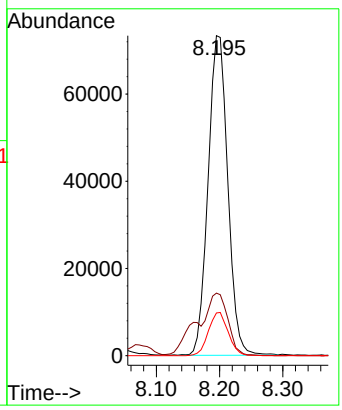


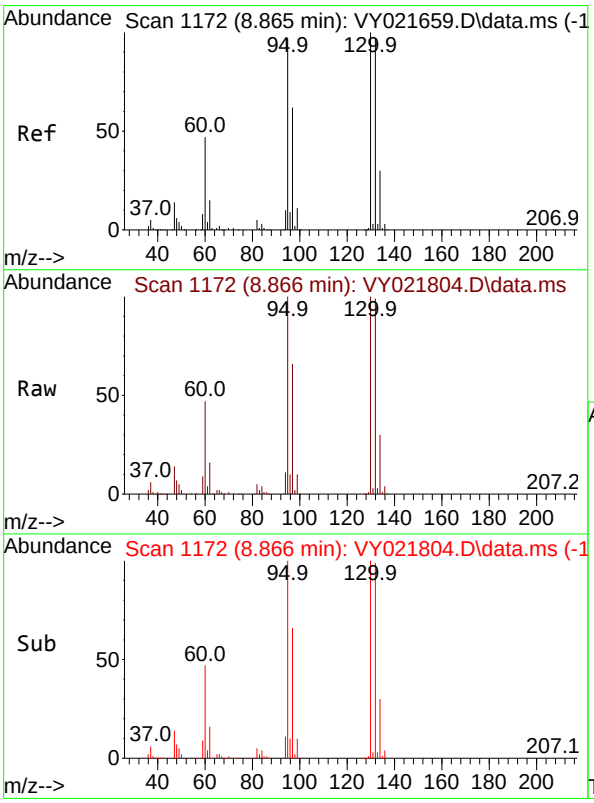
#43
Isopropyl Acetate
Concen: 52.690 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 158937

Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.9	23.9
87	13.6	10.4	15.6

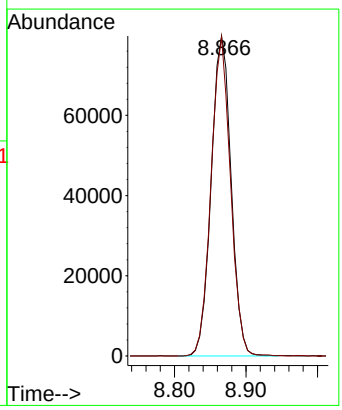


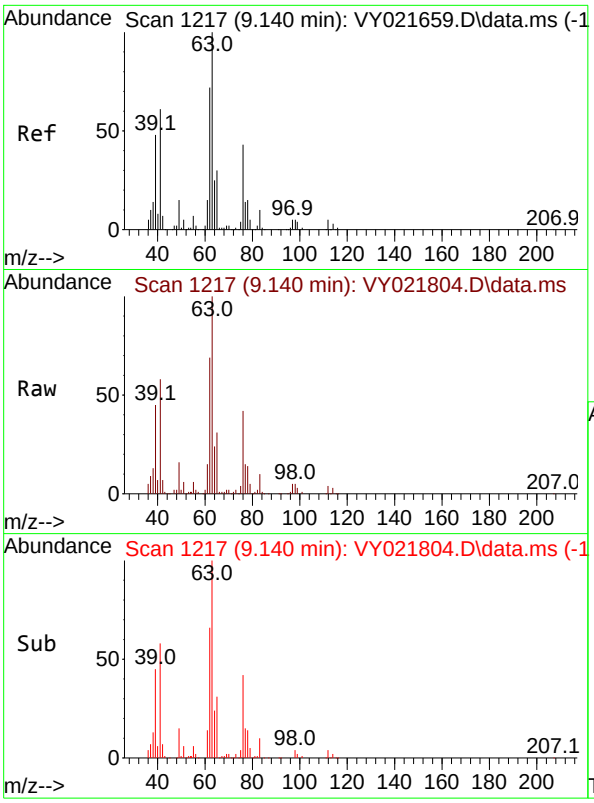


#44
Trichloroethene
Concen: 59.815 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:130 Resp: 153934

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	194.8



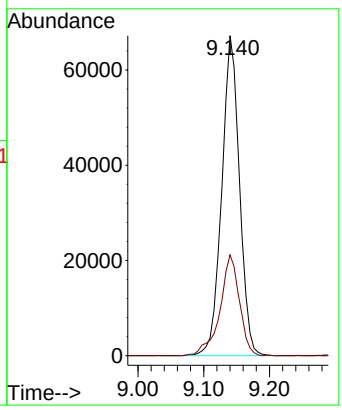


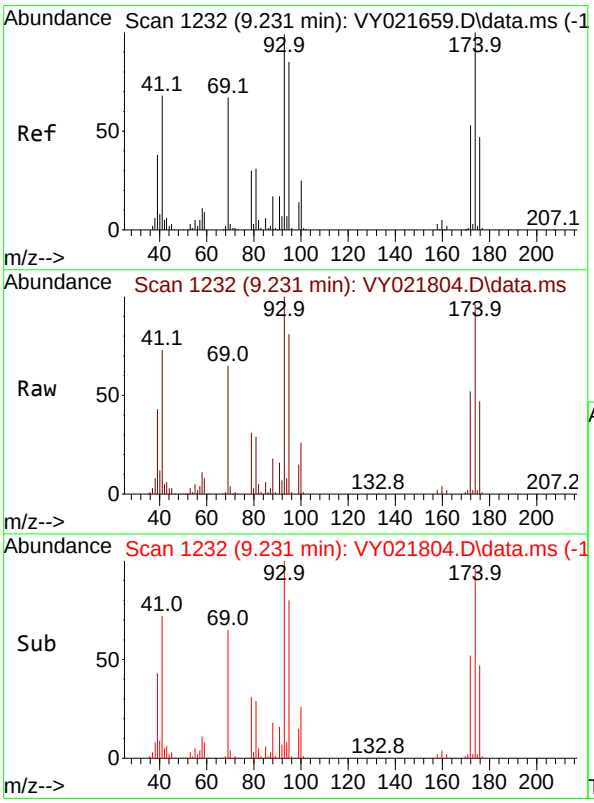
#45
1,2-Dichloropropane
Concen: 52.726 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 126060

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6

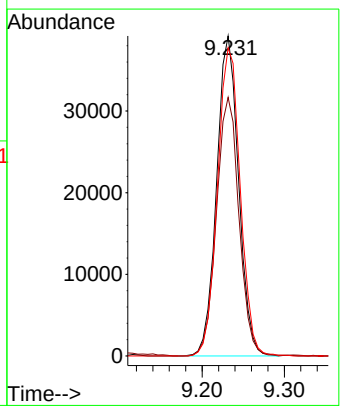


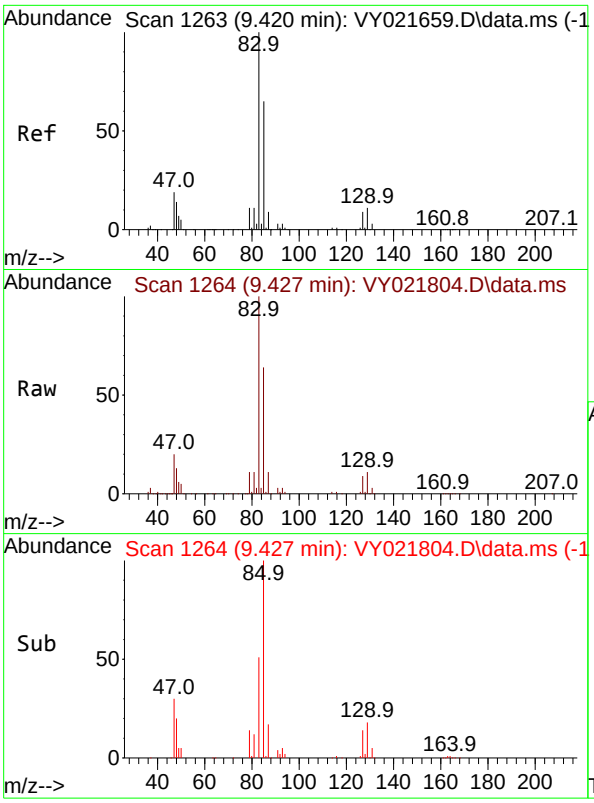


#46
Dibromomethane
Concen: 52.805 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 93 Resp: 72759

Ion	Ratio	Lower	Upper
93	100		
95	83.1	68.1	102.1
174	100.0	80.9	121.3



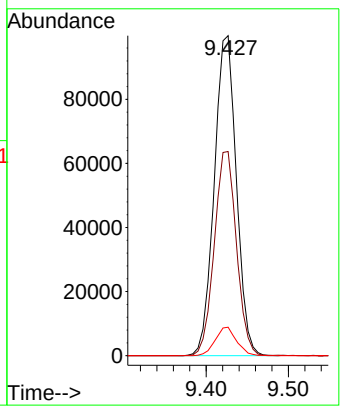


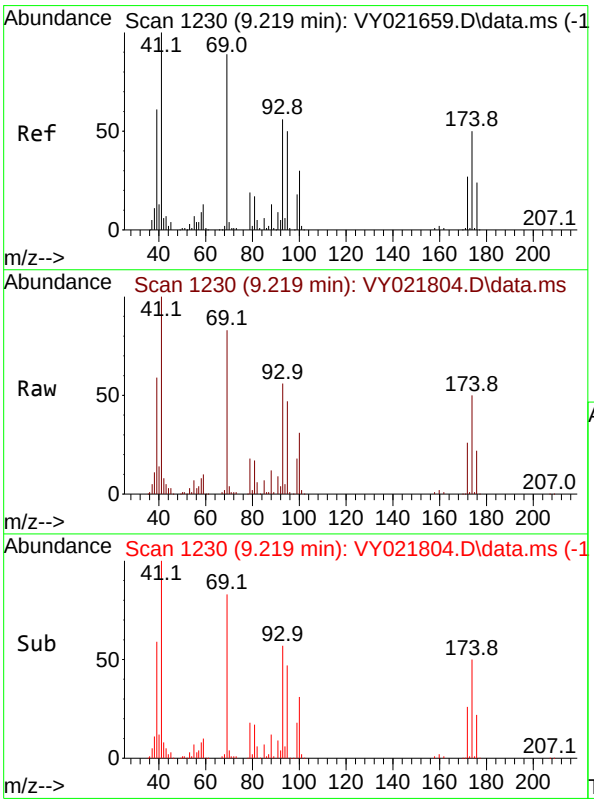
#47
Bromodichloromethane
Concen: 52.215 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 186427

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.9	6.8	10.2

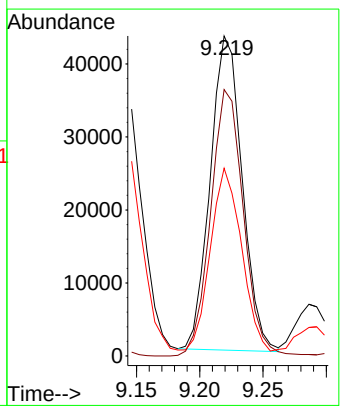


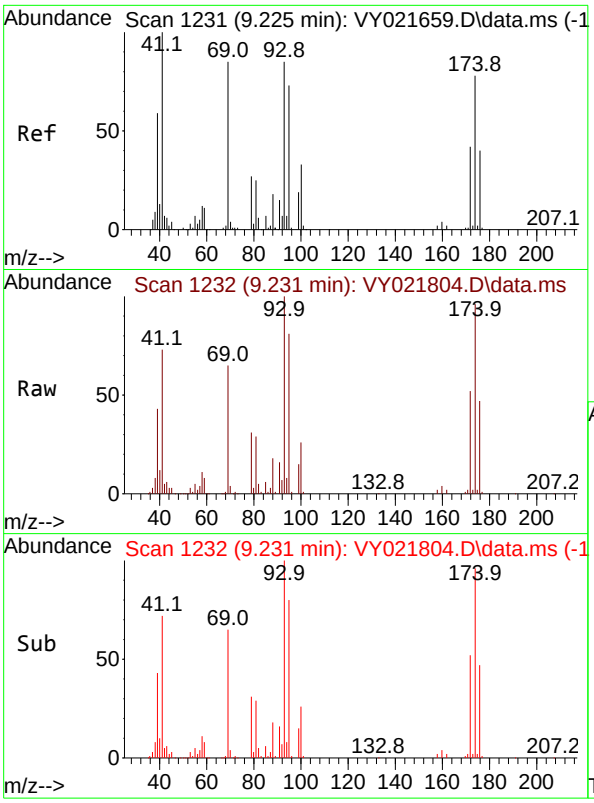


#48
Methyl methacrylate
Concen: 54.600 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 41 Resp: 75589

Ion	Ratio	Lower	Upper
41	100		
69	87.0	69.8	104.8
39	56.9	47.2	70.8



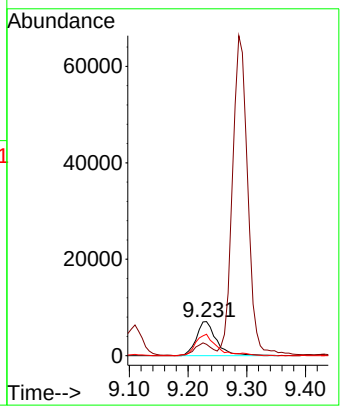


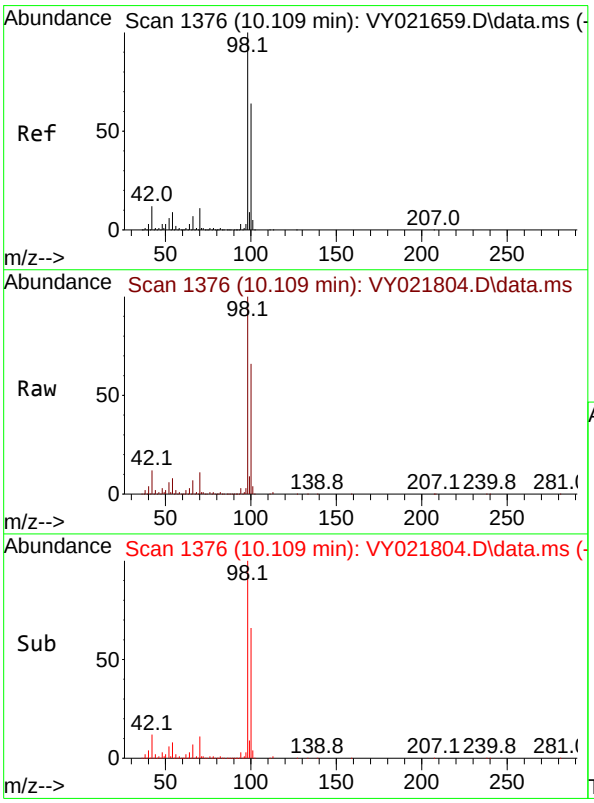
#49
1,4-Dioxane
Concen: 1137.947 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 16797

Ion	Ratio	Lower	Upper
88	100		
43	32.2	28.8	43.2
58	62.9	59.4	89.2

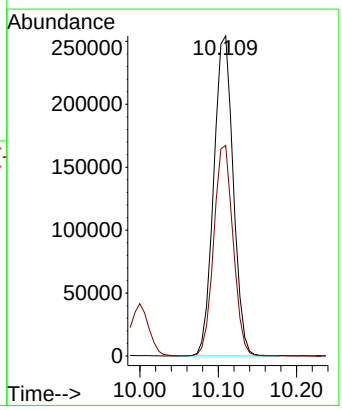


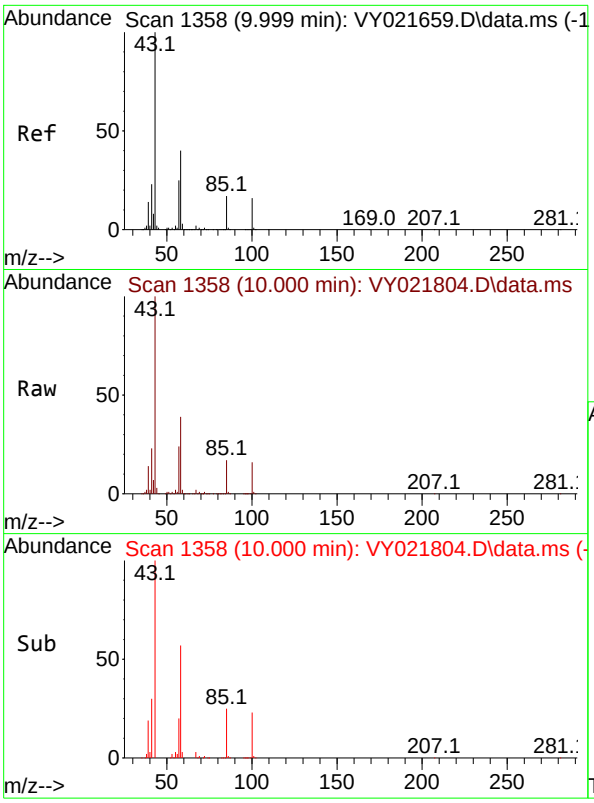


#50
Toluene-d8
Concen: 52.311 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 98 Resp: 440661

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1



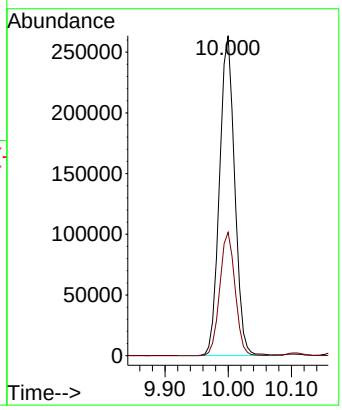


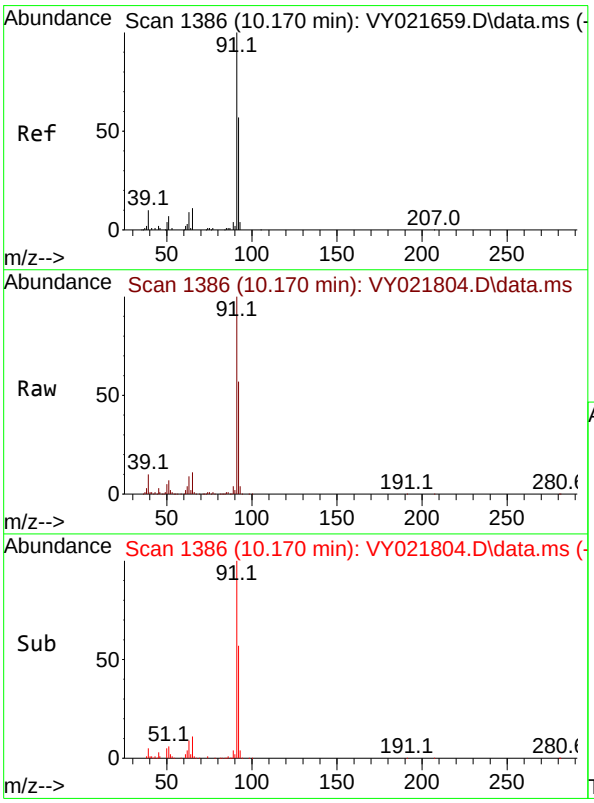
#51
4-Methyl-2-Pentanone
Concen: 278.979 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 437927

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.5	47.3

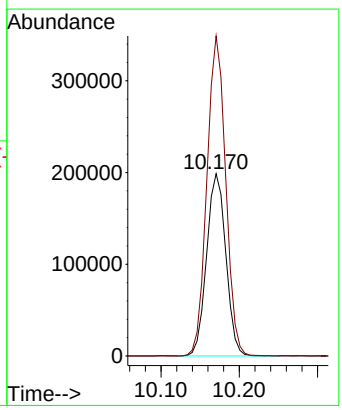


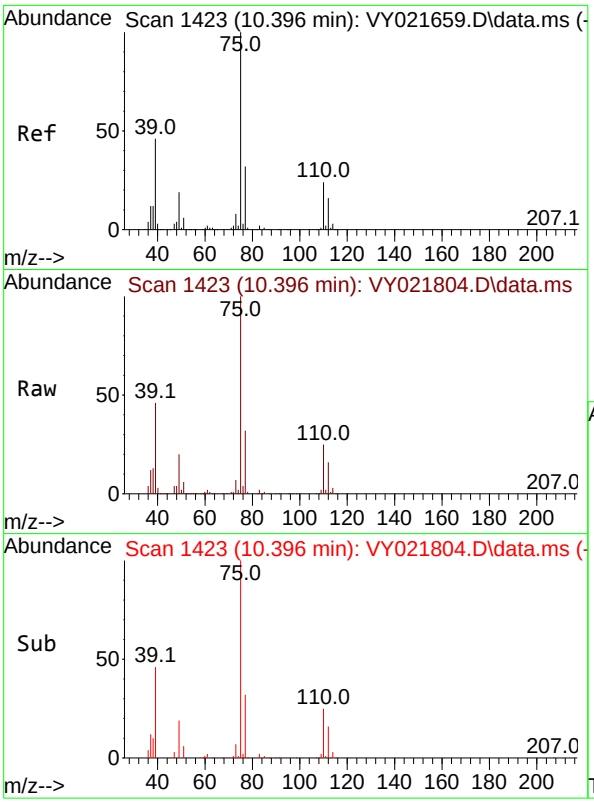


#52
Toluene
Concen: 53.500 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 92 Resp: 337143

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.6	207.8



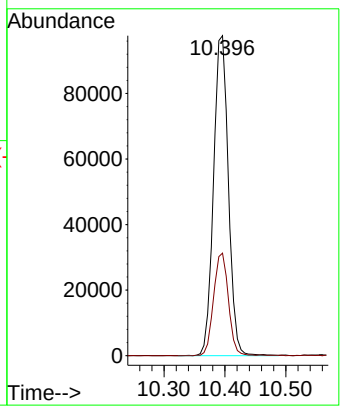


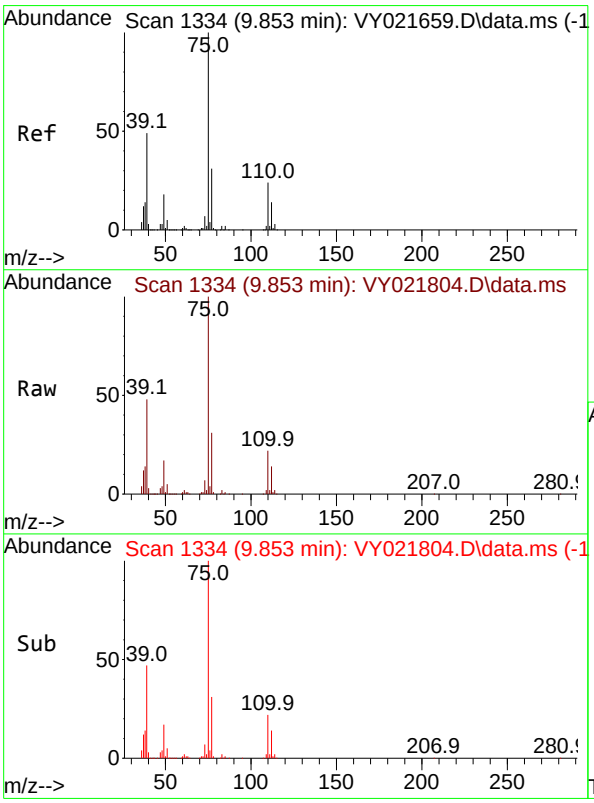
#53
t-1,3-Dichloropropene
Concen: 52.154 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 165396

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9

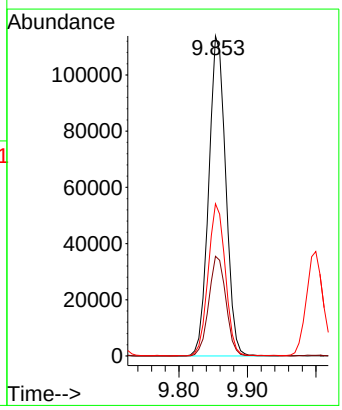


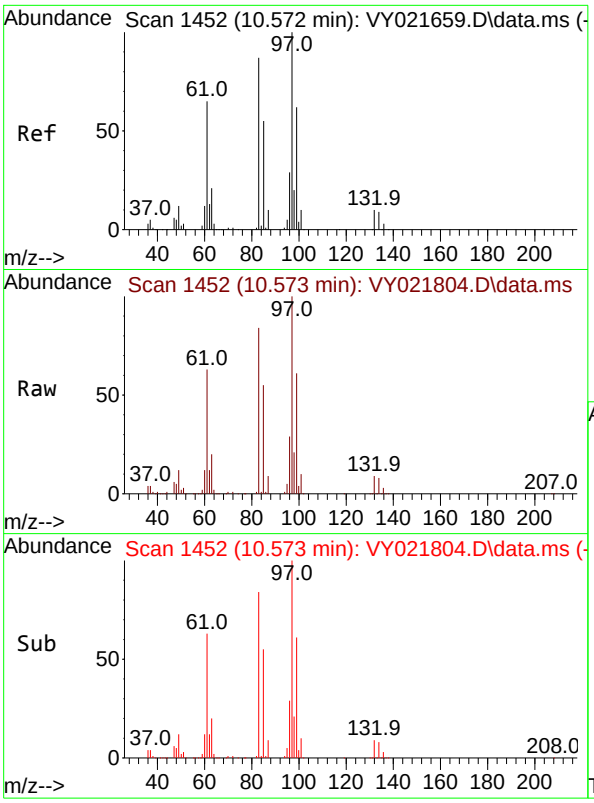


#54
cis-1,3-Dichloropropene
Concen: 52.346 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 195840

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	47.5	39.2	58.8



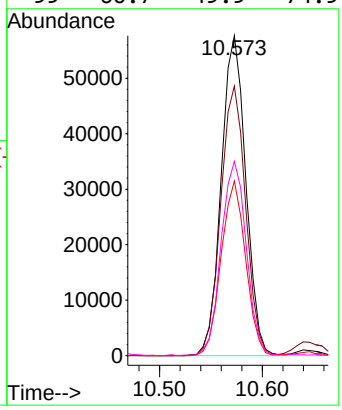


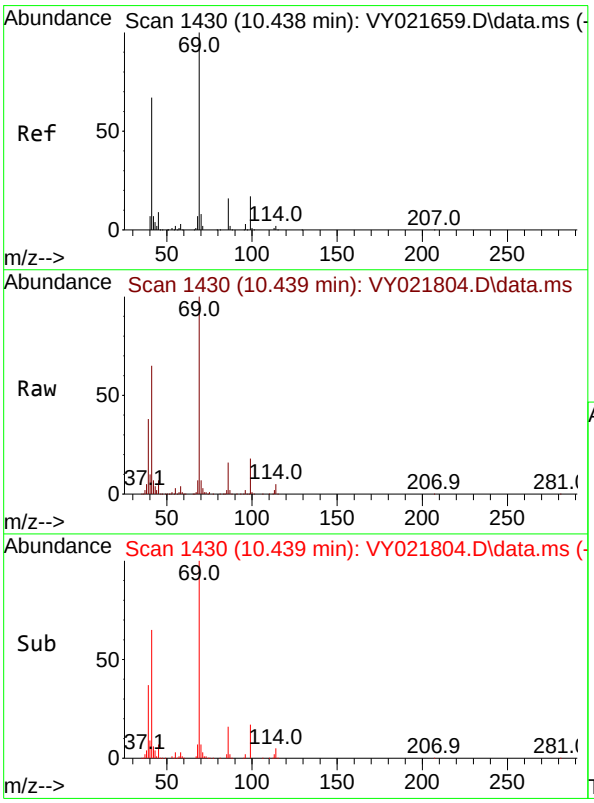
#55
1,1,2-Trichloroethane
Concen: 53.949 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 95662

Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.5	104.3
85	54.6	43.9	65.9
99	60.7	49.9	74.9

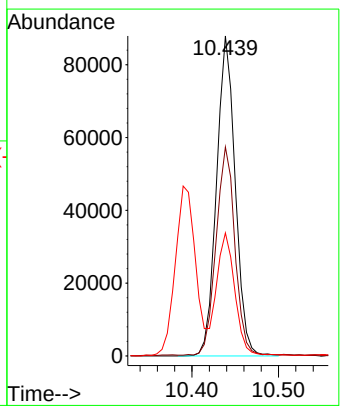


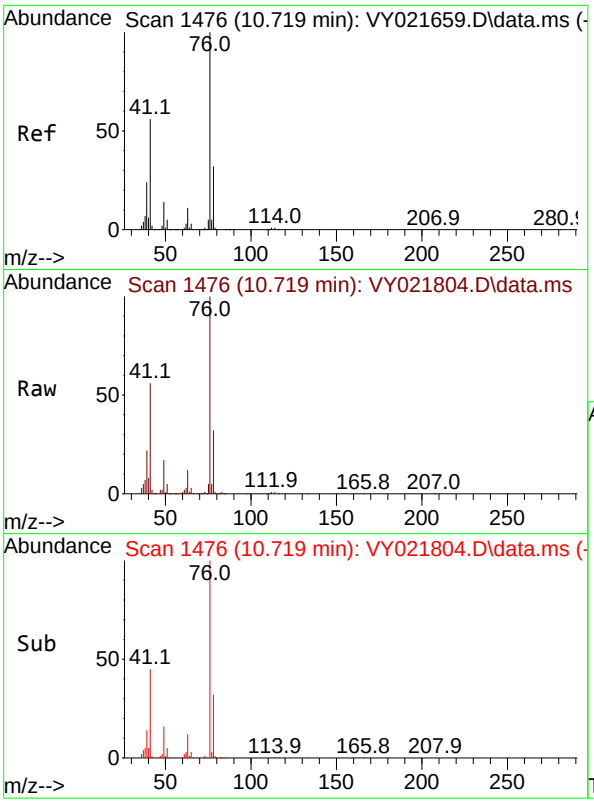


#56
Ethyl methacrylate
Concen: 58.234 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 69 Resp: 131852

Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.8	80.6
39	38.4	29.6	44.4



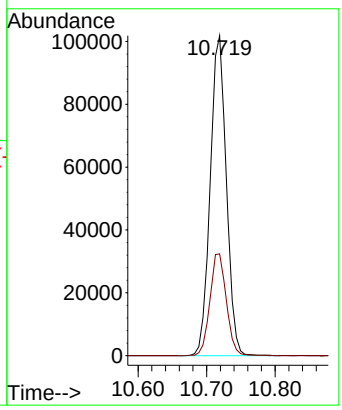


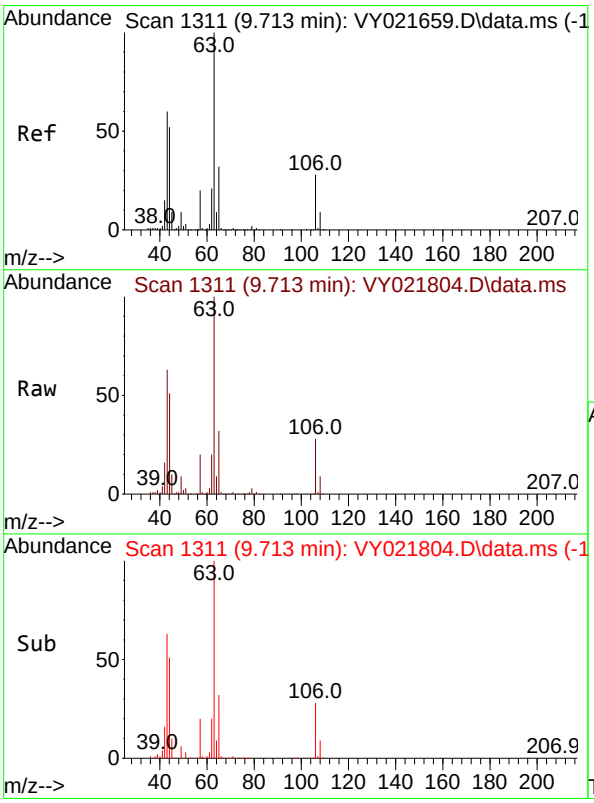
#57
1,3-Dichloropropane
Concen: 54.234 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 166086

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

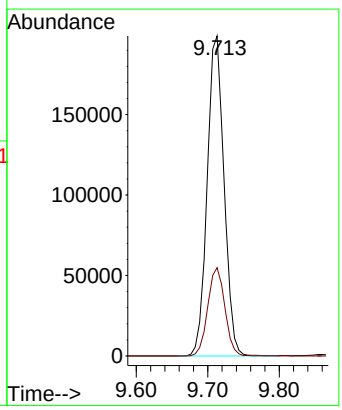


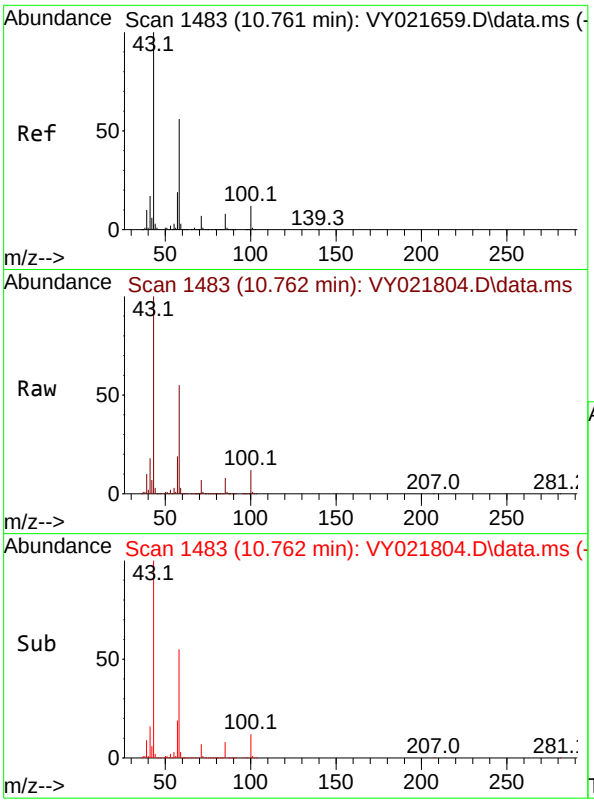


#58
2-Chloroethyl Vinyl ether
Concen: 294.697 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 63 Resp: 325502

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.4	33.6



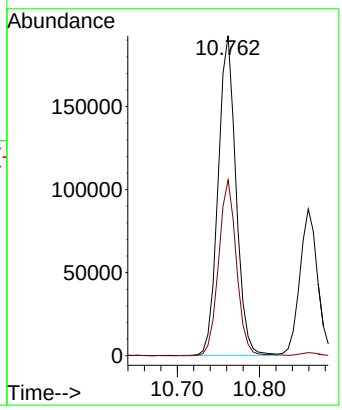


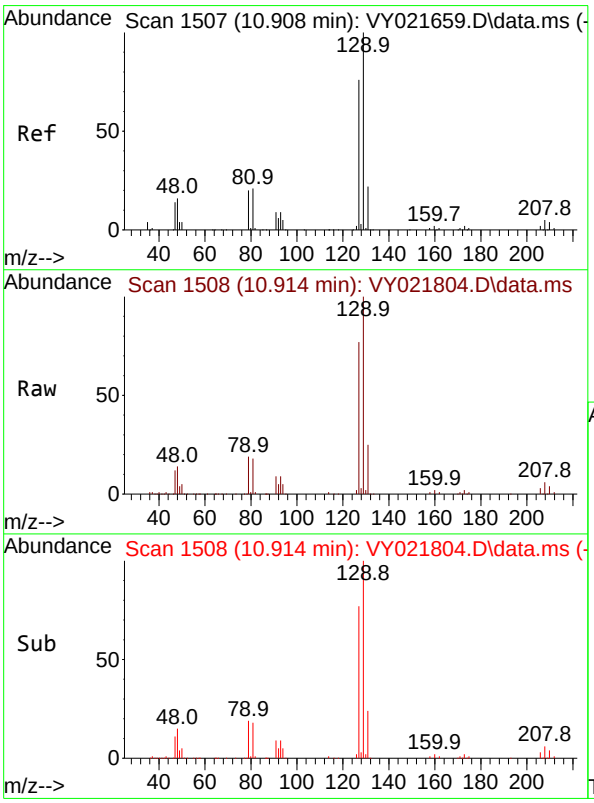
#59
2-Hexanone
Concen: 278.791 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 291456

Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.2	81.5

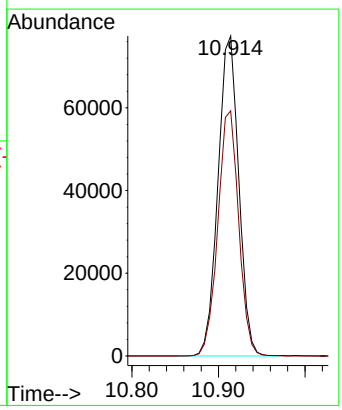


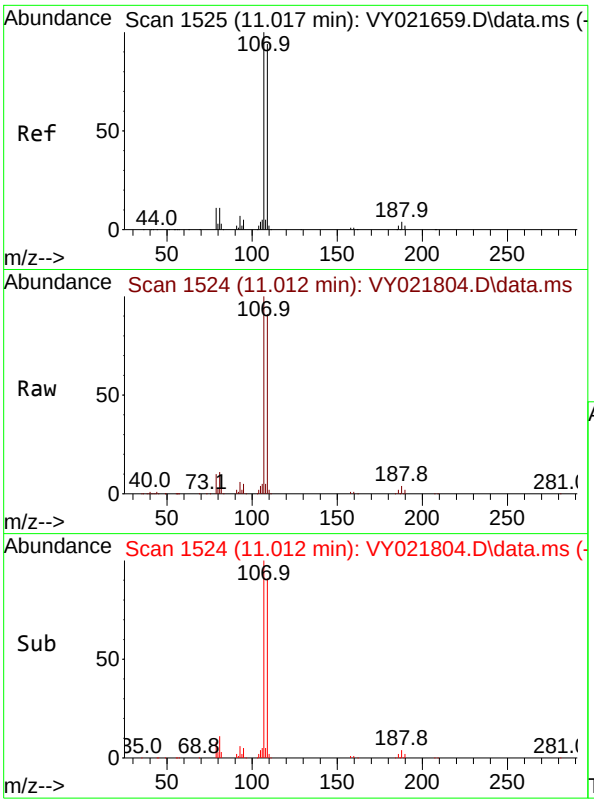


#60
Dibromochloromethane
Concen: 53.126 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:129 Resp: 128616

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.7



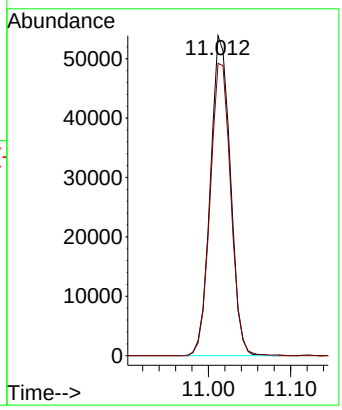


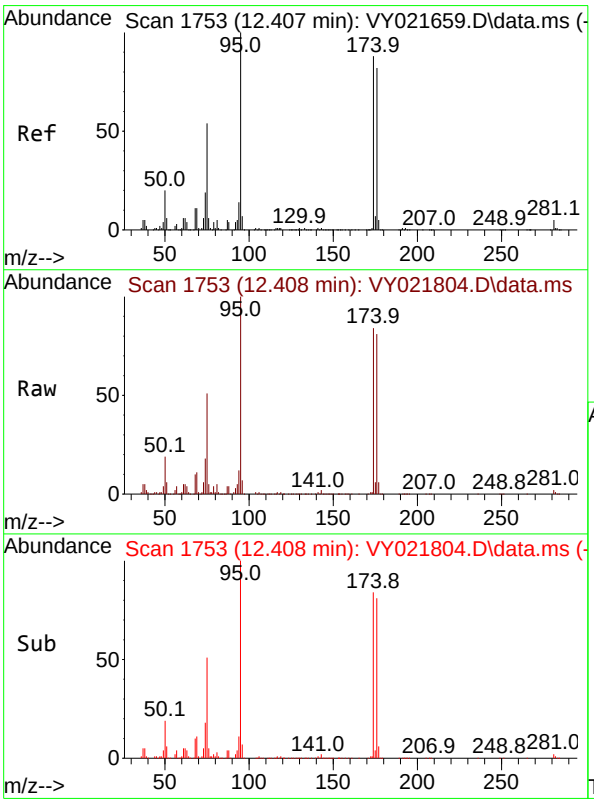
#61
1,2-Dibromoethane
Concen: 54.567 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 90766

Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.4	111.6

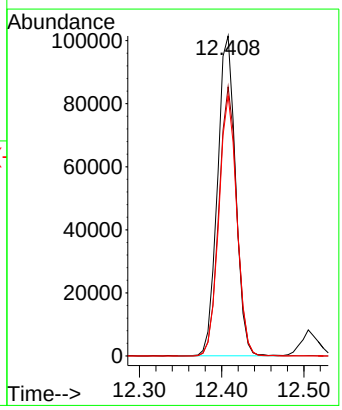


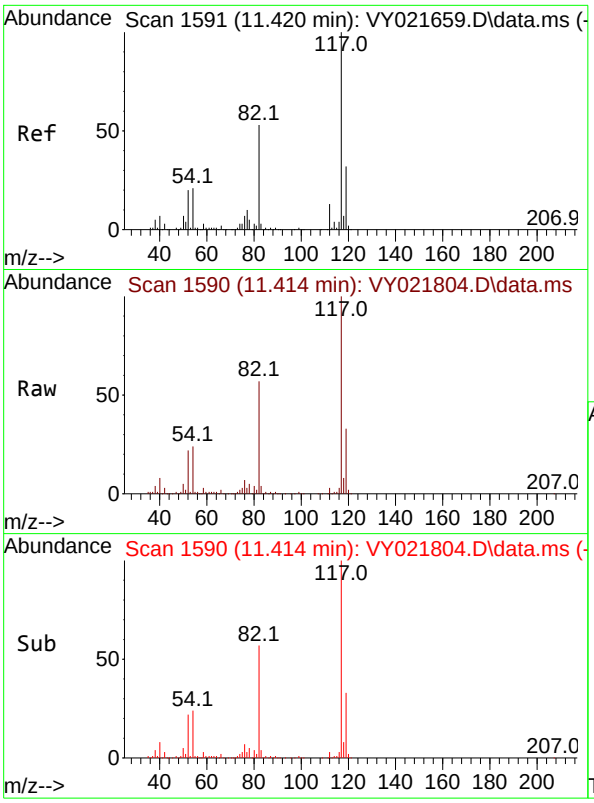


#62
4-Bromofluorobenzene
Concen: 54.329 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 95 Resp: 154801

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.8
176	80.6	0.0	162.0



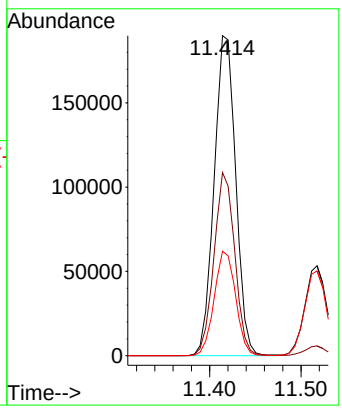


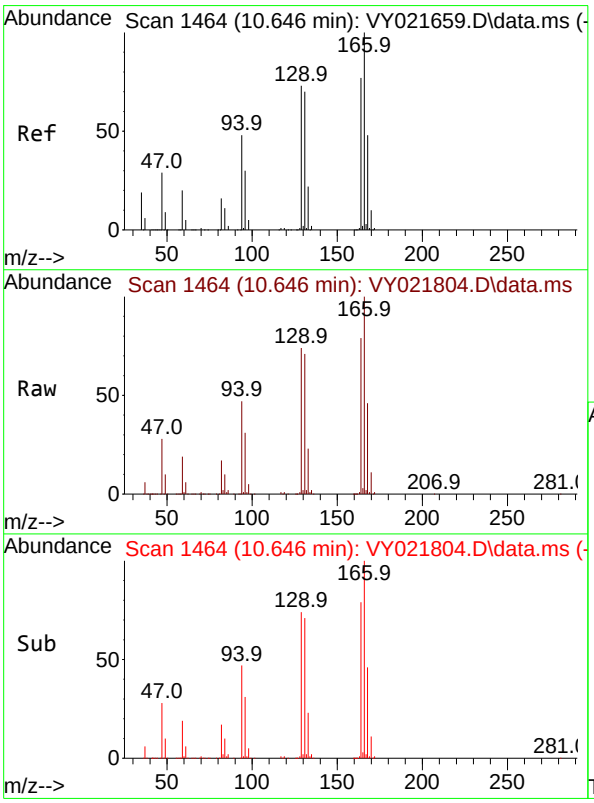
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 311503

Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.8	64.2
119	32.7	25.7	38.5

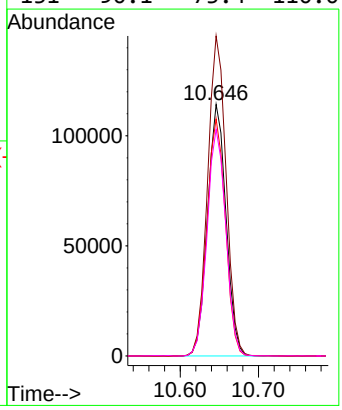


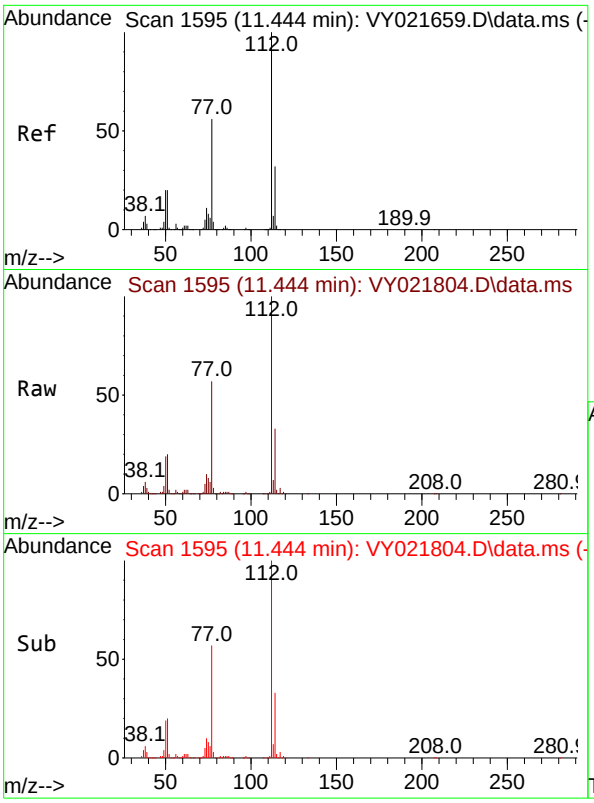


#64
Tetrachloroethene
Concen: 66.382 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:164 Resp: 188331

Ion	Ratio	Lower	Upper
164	100		
166	127.2	104.6	156.8
129	94.3	76.6	114.8
131	90.1	73.4	110.0



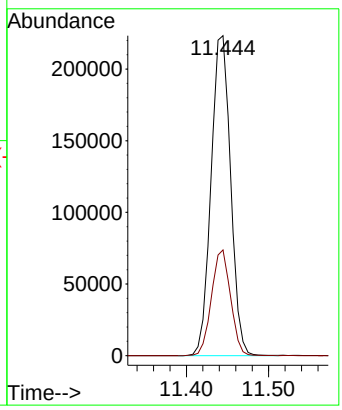


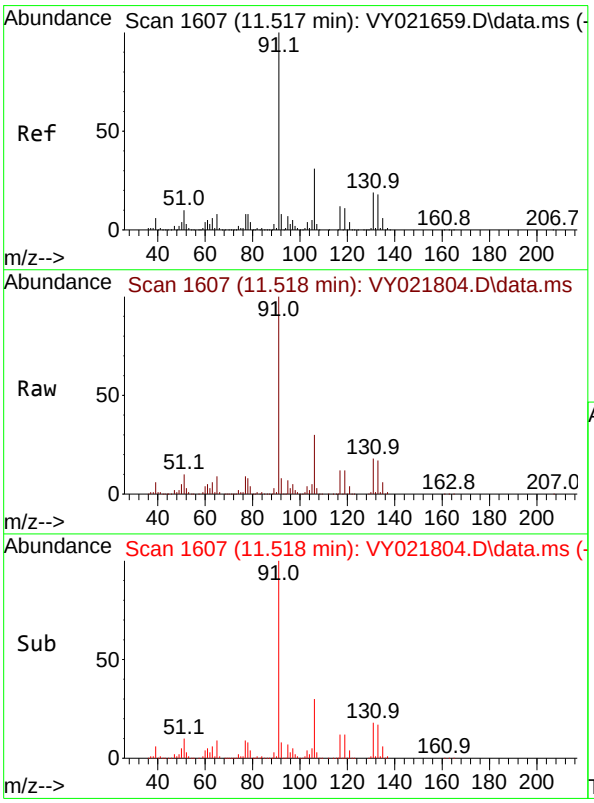
#65
Chlorobenzene
Concen: 51.612 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 368544

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.9	38.9

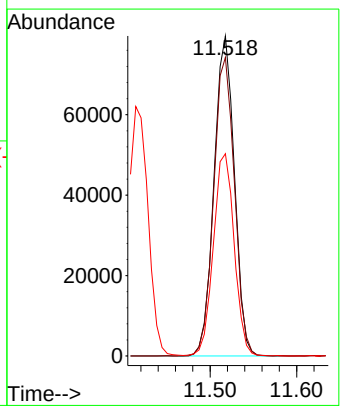


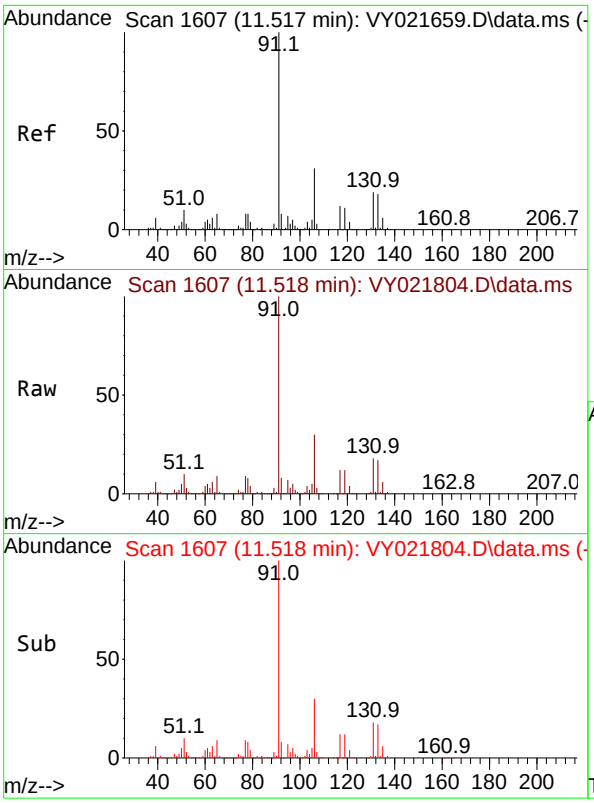


#66
1,1,1,2-Tetrachloroethane
Concen: 51.329 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:131 Resp: 130042

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.8
119	64.7	31.6	95.0



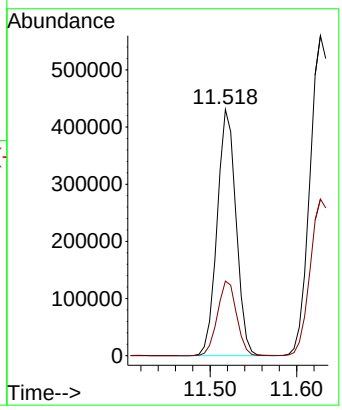


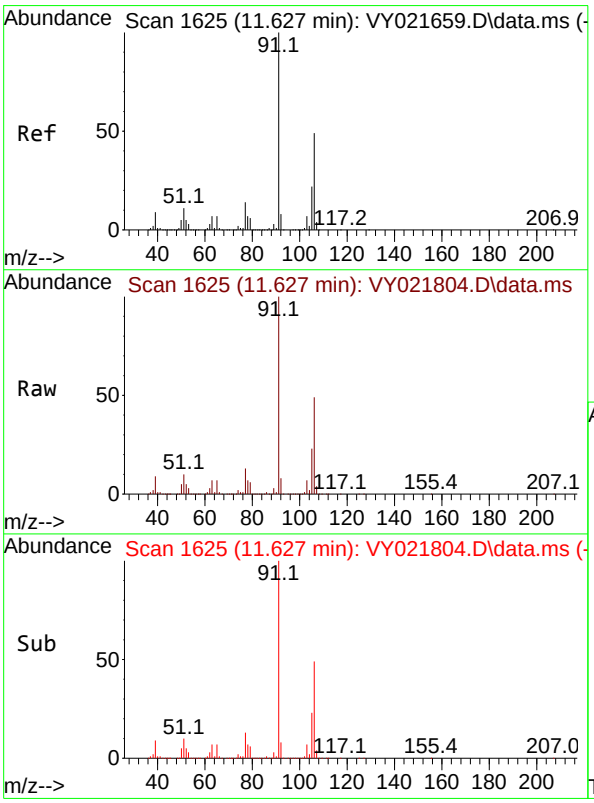
#67
Ethyl Benzene
Concen: 53.233 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 651824

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.6	36.8

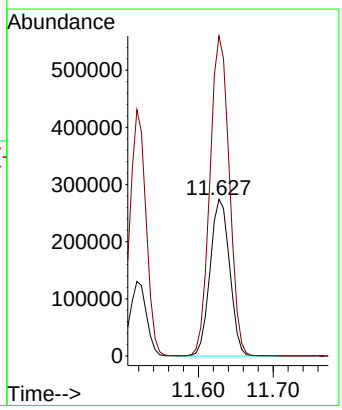


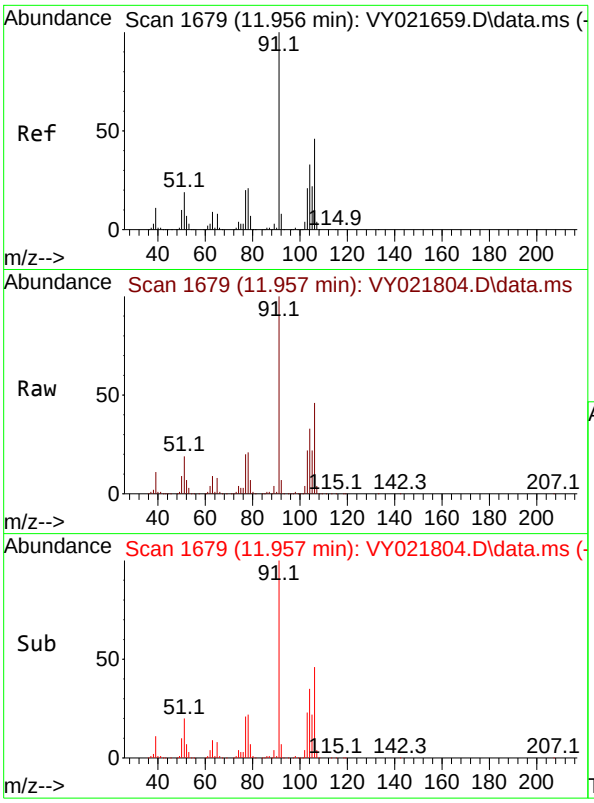


#68
m/p-Xylenes
Concen: 106.367 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:106 Resp: 498739

Ion	Ratio	Lower	Upper
106	100		
91	203.0	162.4	243.6



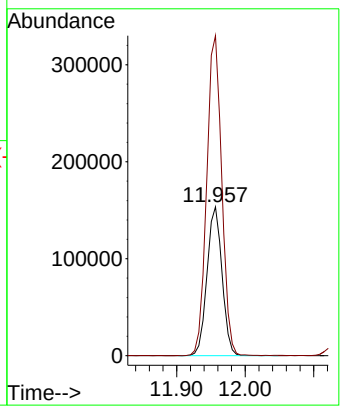


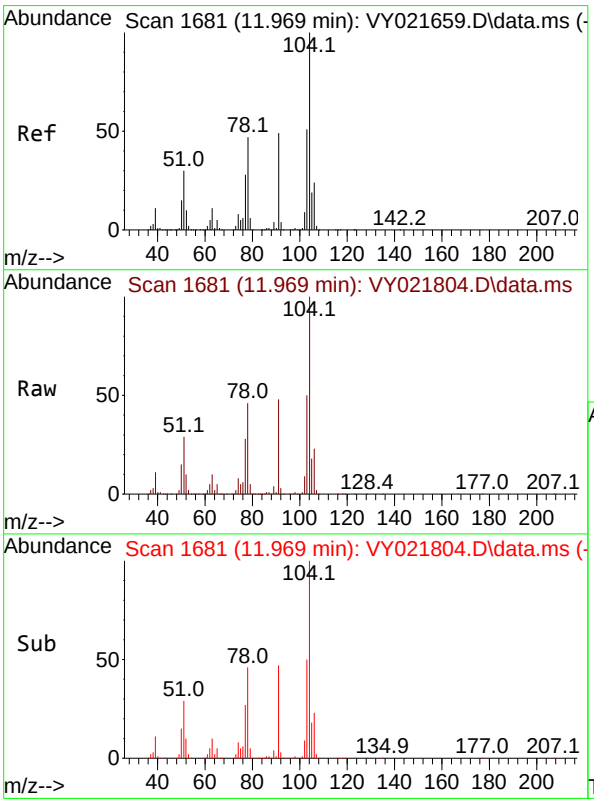
#69
o-Xylene
Concen: 53.967 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 233580

Ion	Ratio	Lower	Upper
106	100		
91	215.8	106.7	319.9

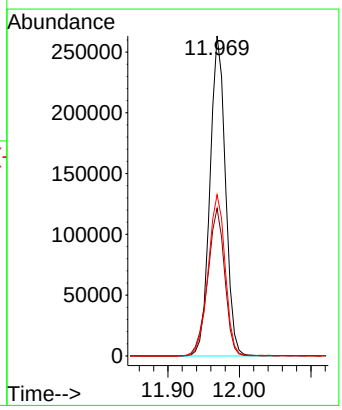


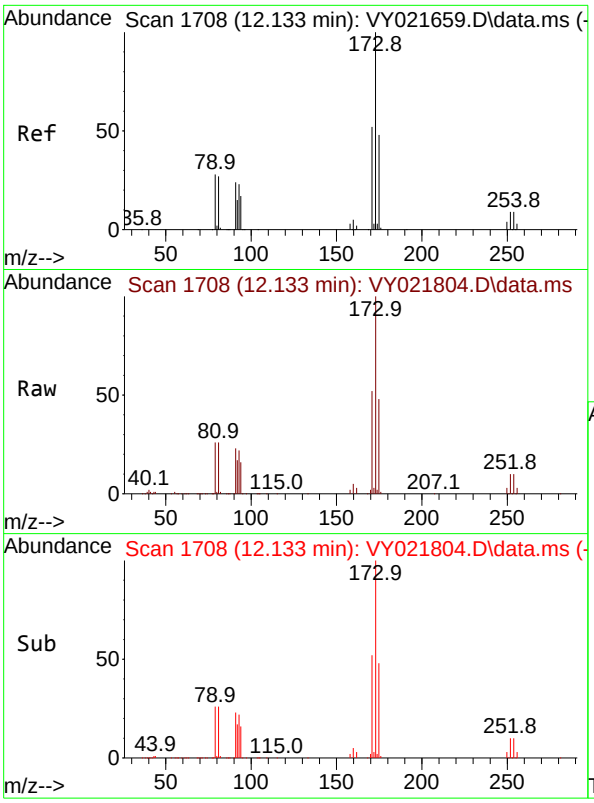


#70
Styrene
Concen: 55.090 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:104 Resp: 397557

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.8	61.2
103	55.0	44.2	66.2



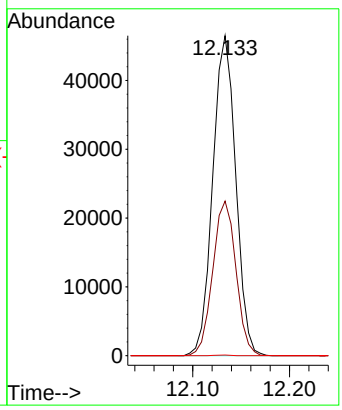


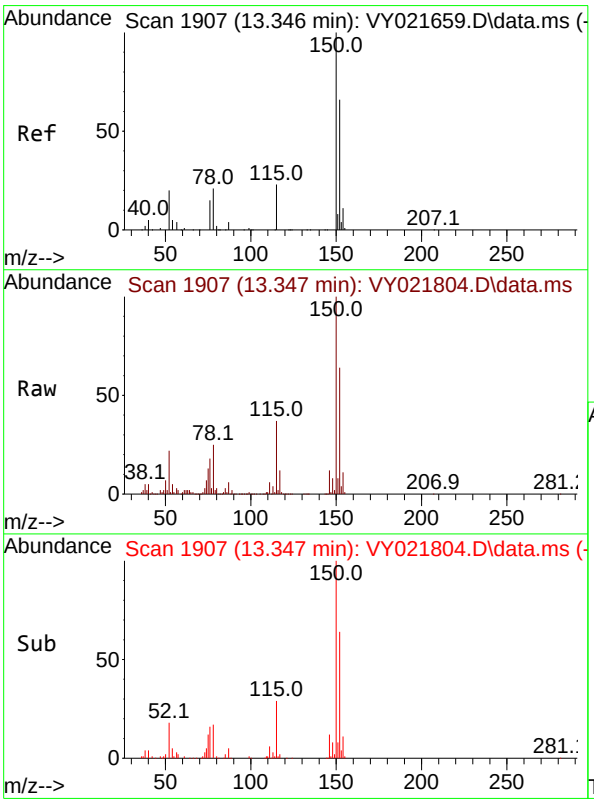
#71
Bromoform
Concen: 53.058 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 76677

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.1	0.1	0.1#

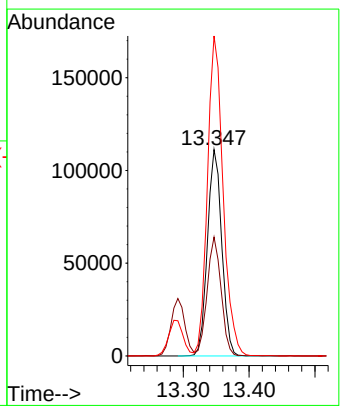


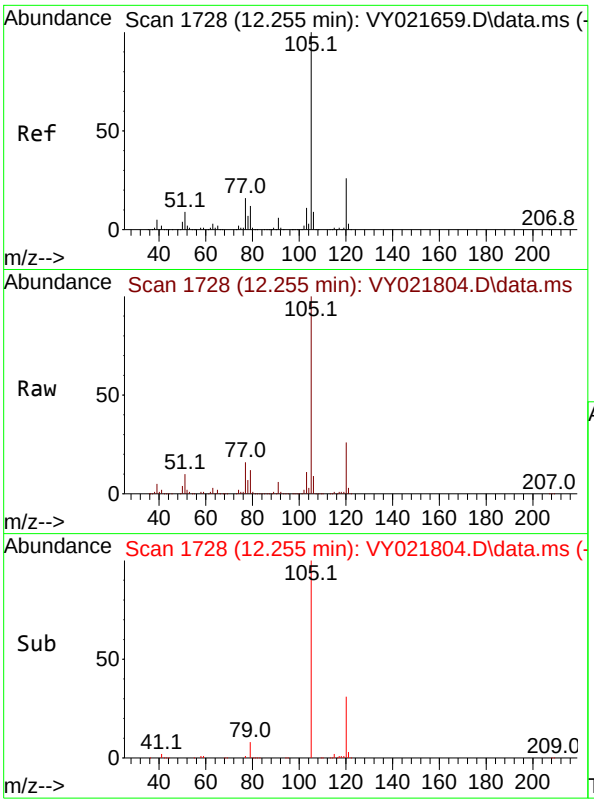


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:152 Resp: 168360

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.8	86.5
150	169.4	0.0	348.4



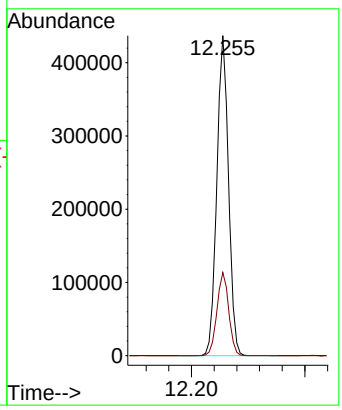


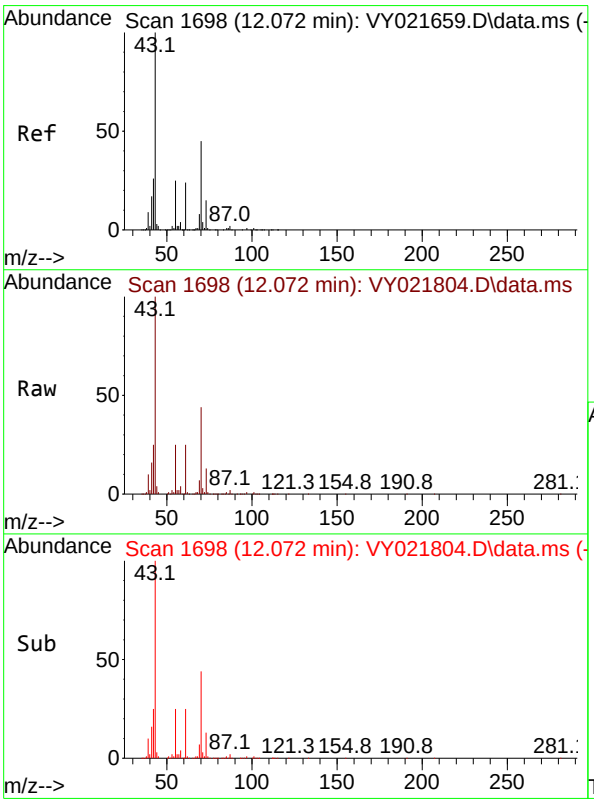
#73
Isopropylbenzene
Concen: 49.859 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 623474

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

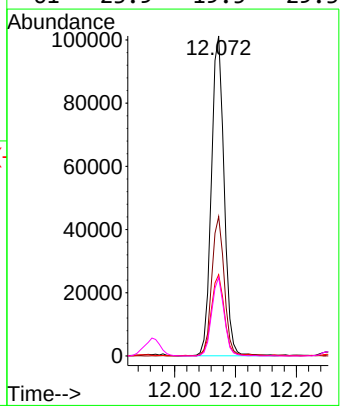


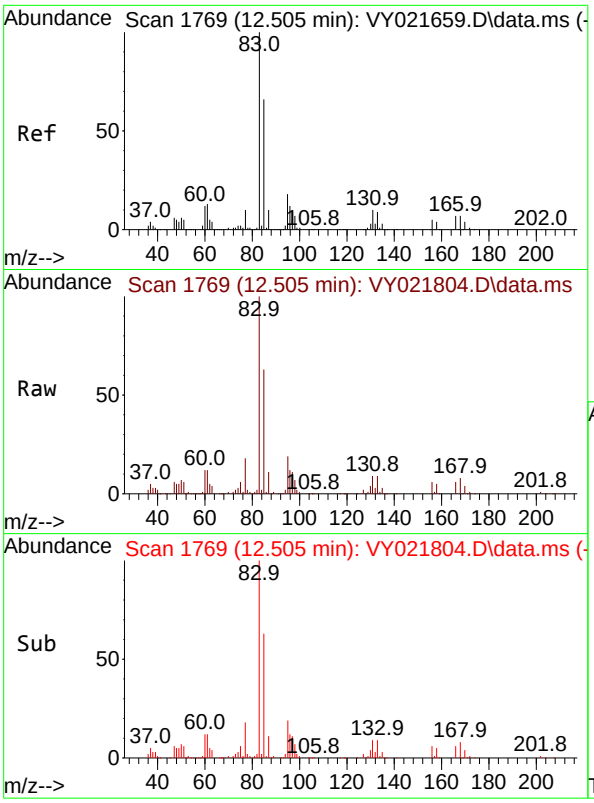


#74
N-amyl acetate
Concen: 50.156 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 43 Resp: 147196

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.7	52.1
55	26.0	21.2	31.8
61	23.9	19.5	29.3



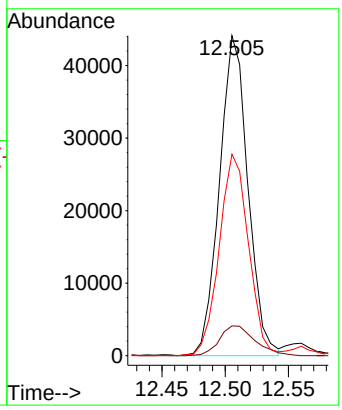


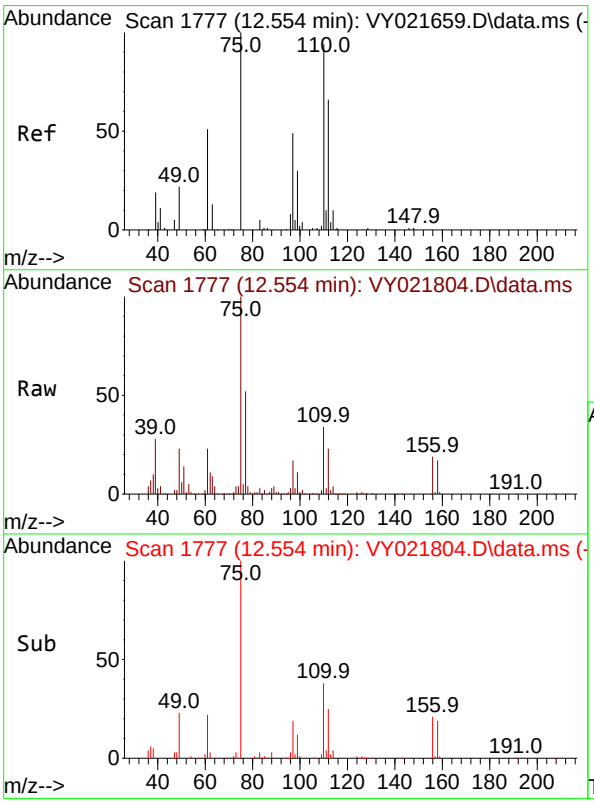
#75
1,1,2,2-Tetrachloroethane
Concen: 30.709 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 69040

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.1	15.3
85	64.7	32.3	96.8

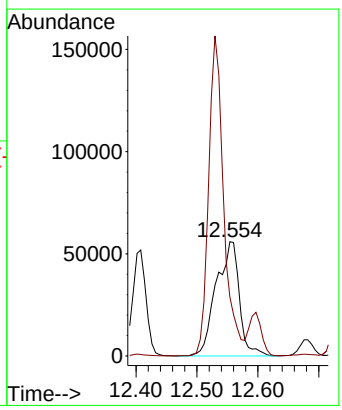


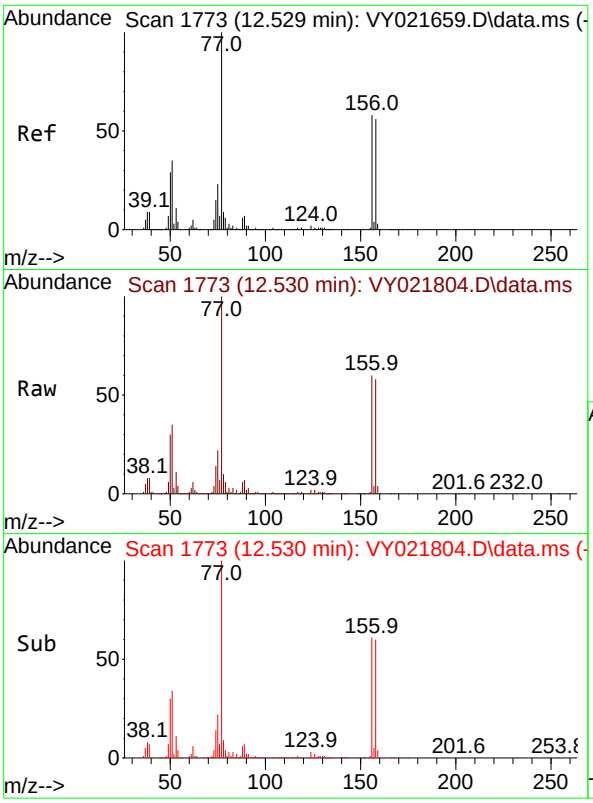


#76
1,2,3-Trichloropropane
Concen: 88.555 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 147788

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



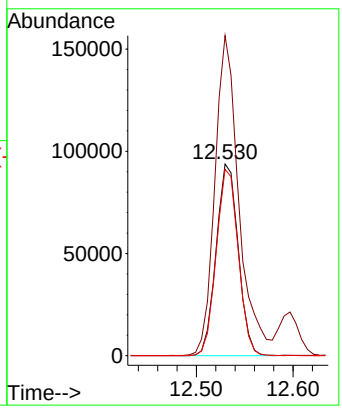


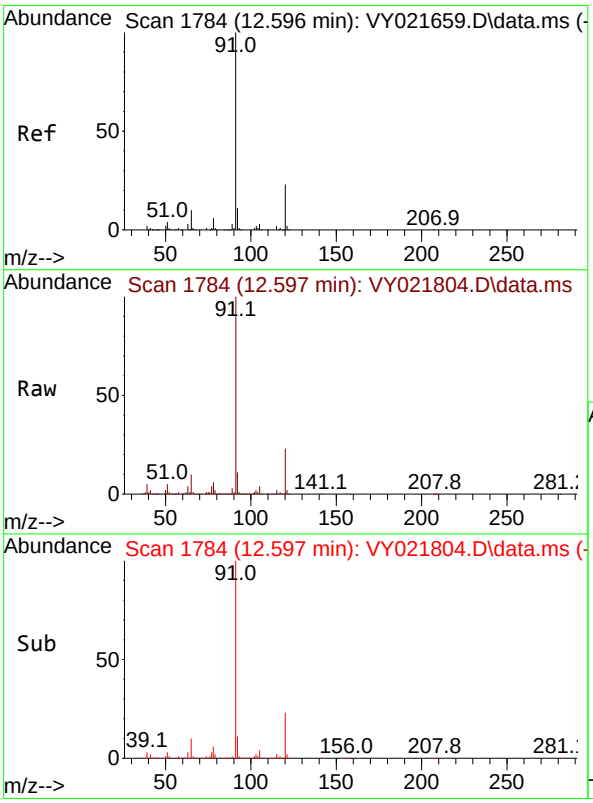
#77
Bromobenzene
Concen: 49.502 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 148624

Ion	Ratio	Lower	Upper
156	100		
77	181.9	92.8	278.3
158	96.8	48.5	145.6

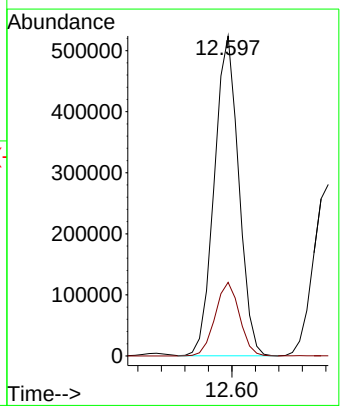


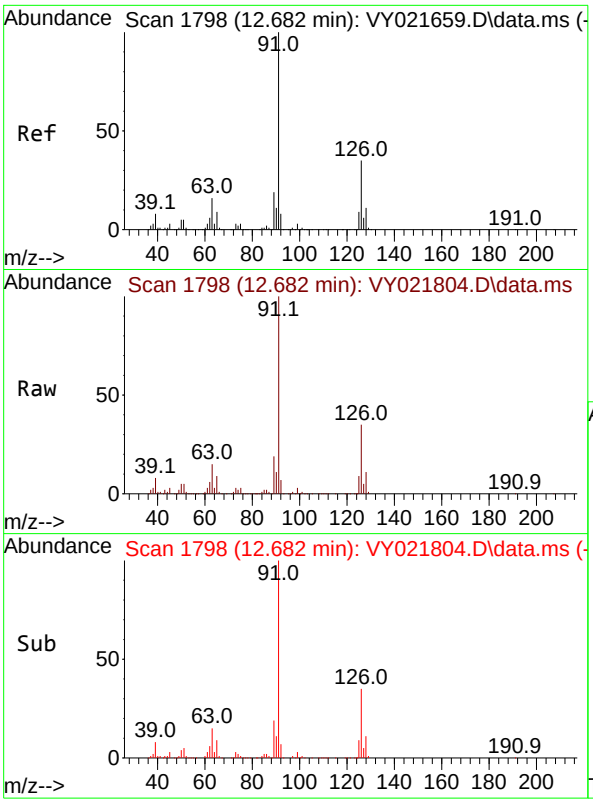


#78
n-propylbenzene
Concen: 50.246 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 755384

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9



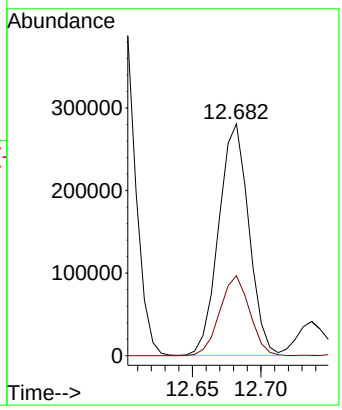


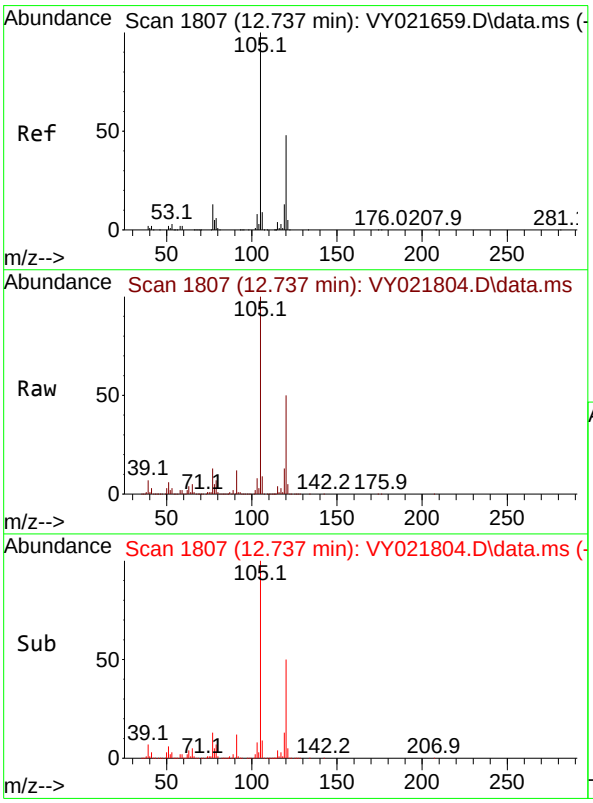
#79
2-Chlorotoluene
Concen: 49.230 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 429871

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0

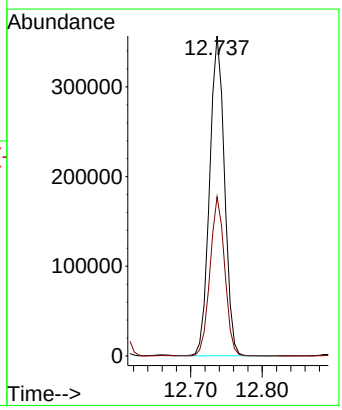


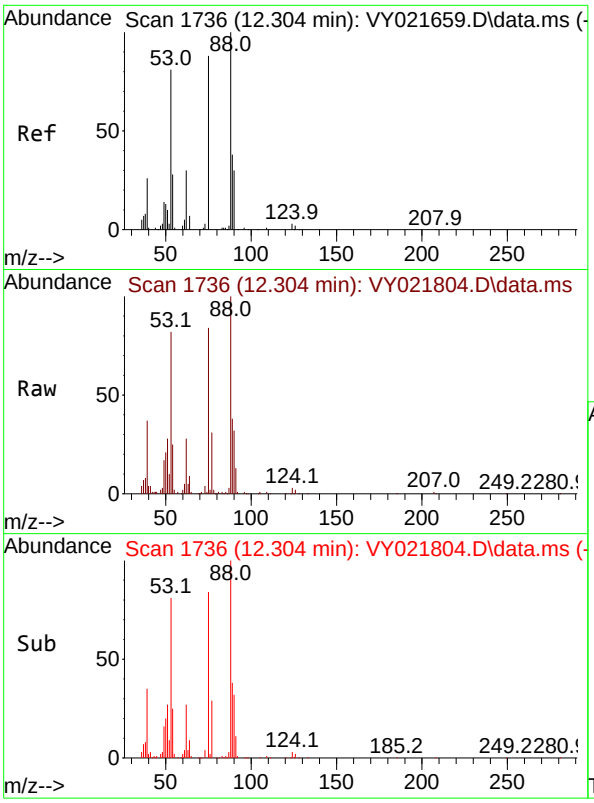


#80
1,3,5-Trimethylbenzene
Concen: 50.419 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:105 Resp: 515287

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.5	73.5



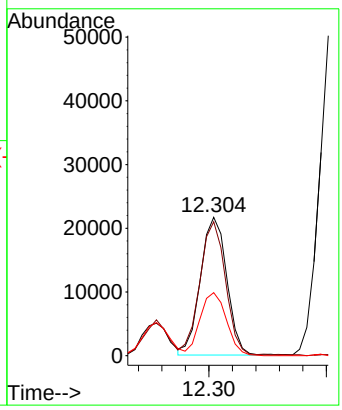


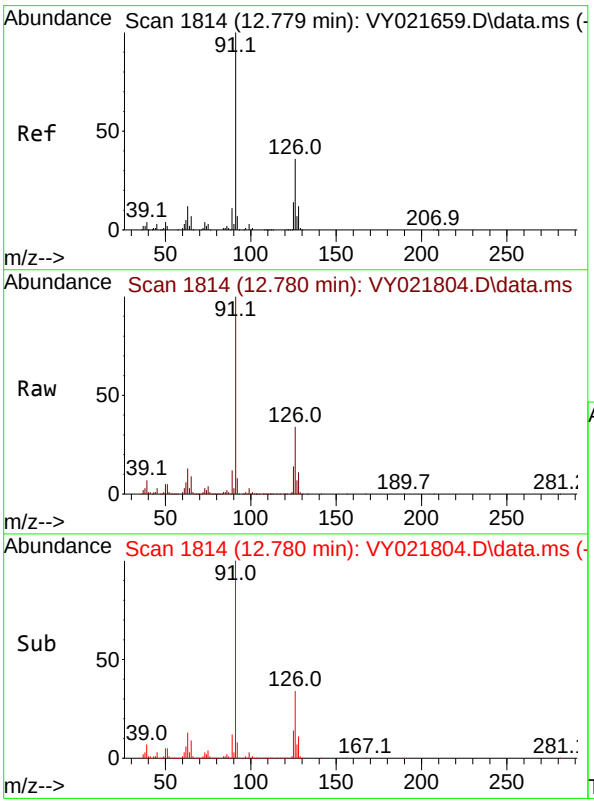
#81
trans-1,4-Dichloro-2-butene
Concen: 46.520 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 33694

Ion	Ratio	Lower	Upper
75	100		
53	96.7	76.1	114.1
89	45.7	36.2	54.4

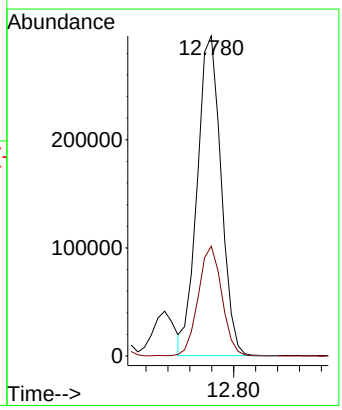


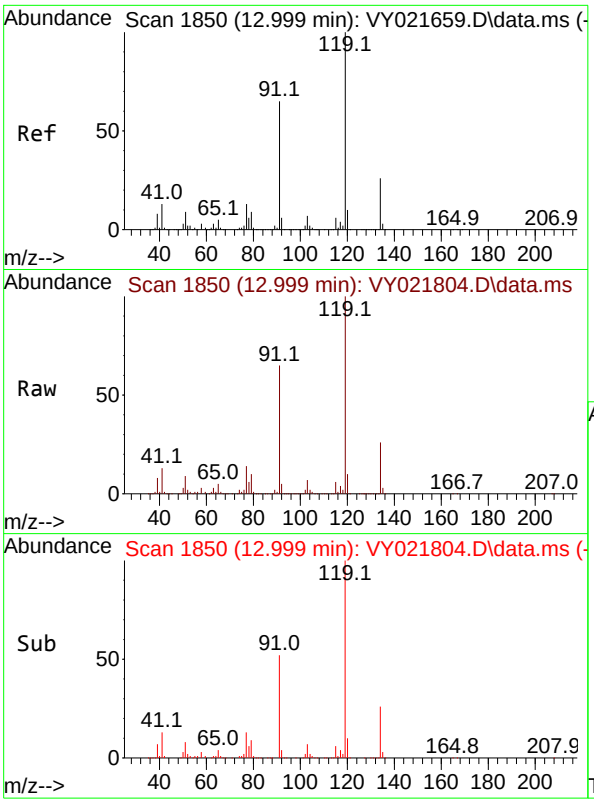


#82
4-Chlorotoluene
Concen: 49.086 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 91 Resp: 446850

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9



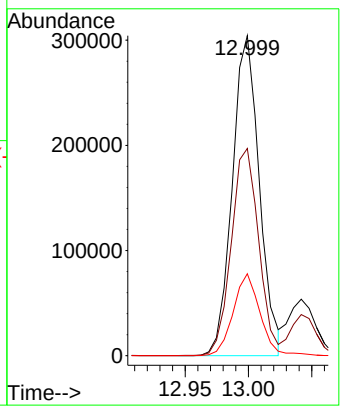


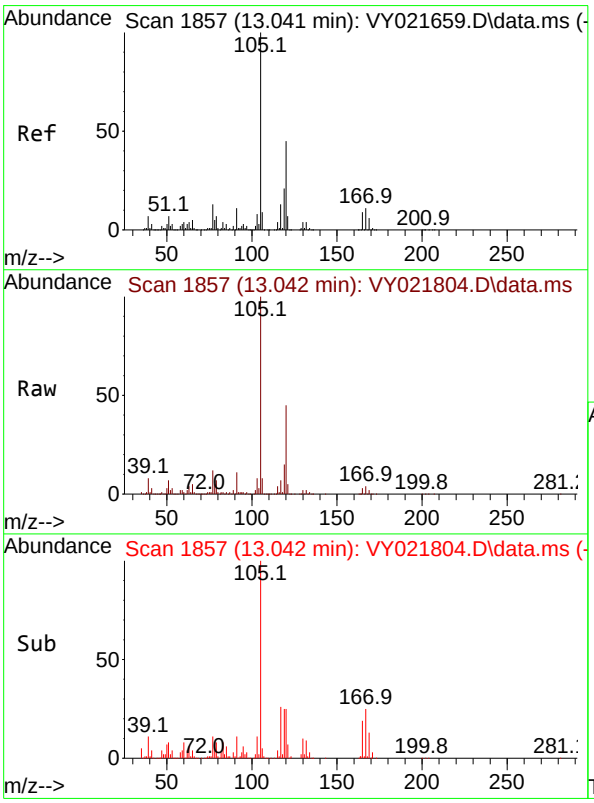
#83
tert-Butylbenzene
Concen: 49.742 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 452797

Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.6	97.7
134	25.6	13.2	39.6

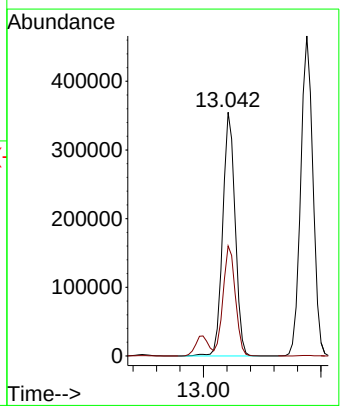


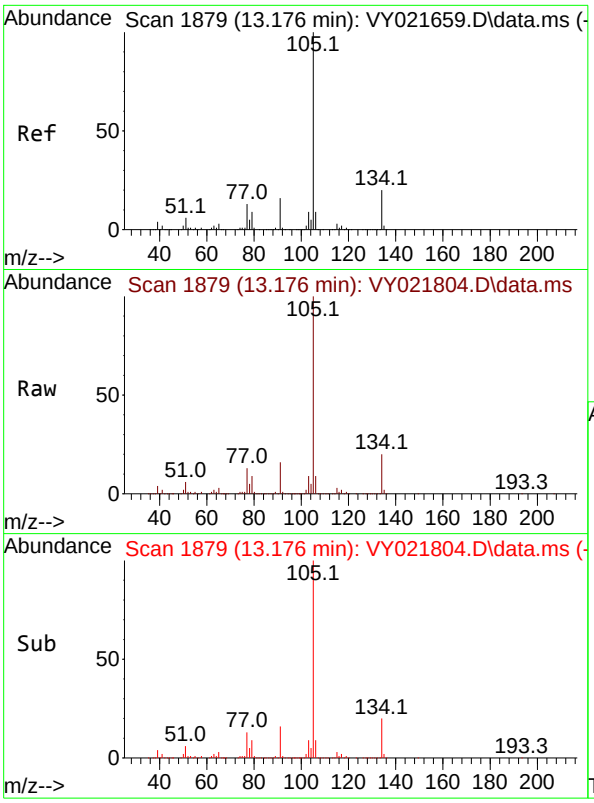


#84
1,2,4-Trimethylbenzene
Concen: 51.455 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:105 Resp: 519749

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1



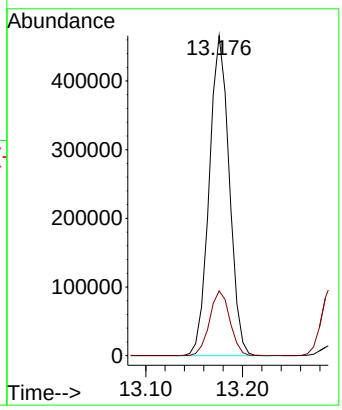


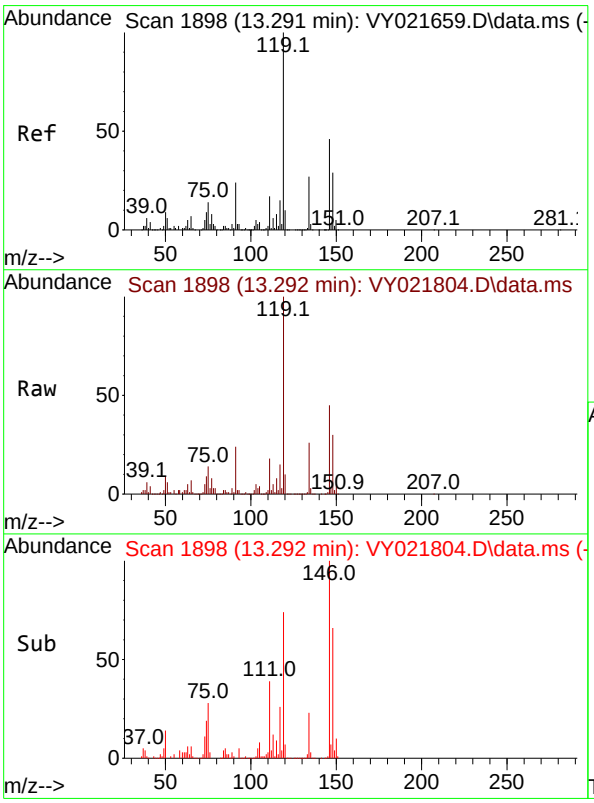
#85
sec-Butylbenzene
Concen: 50.405 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 670543

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.1

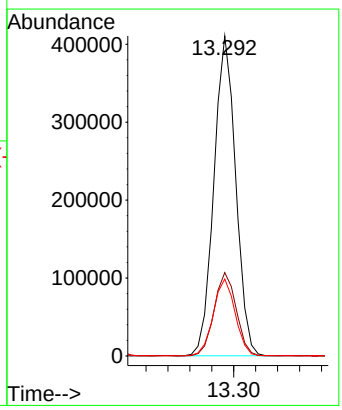


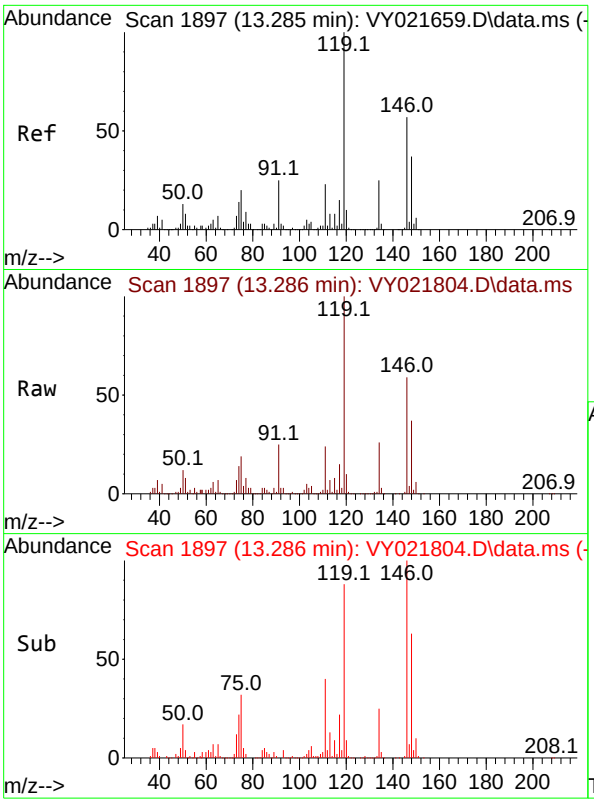


#86
p-Isopropyltoluene
Concen: 51.574 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:119 Resp: 567055

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	24.1	12.0	36.0



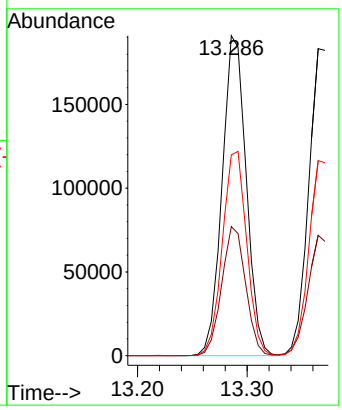


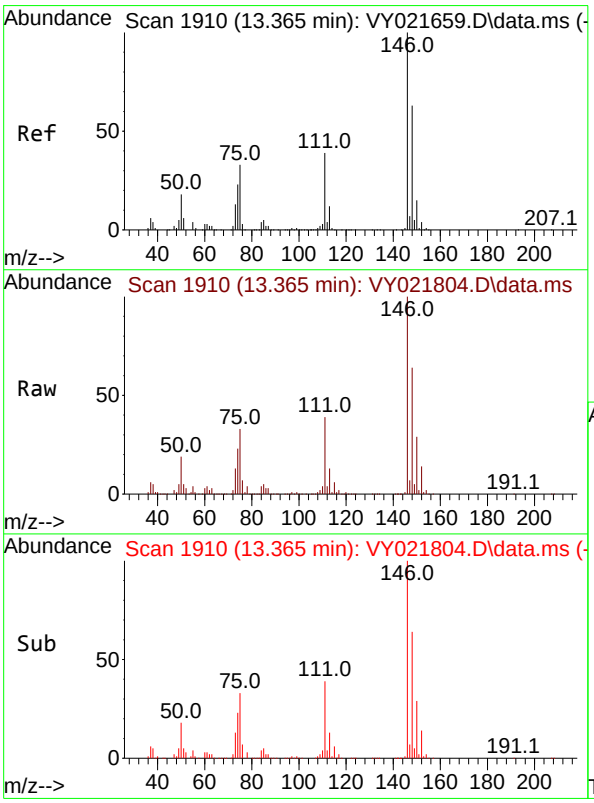
#87
1,3-Dichlorobenzene
Concen: 49.310 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 291683

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.6	31.8	95.4

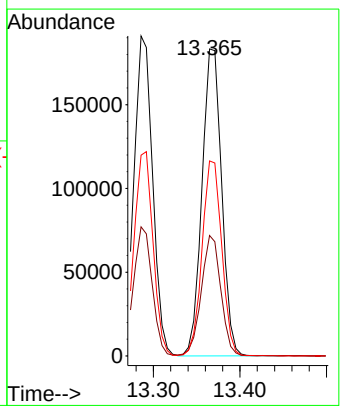


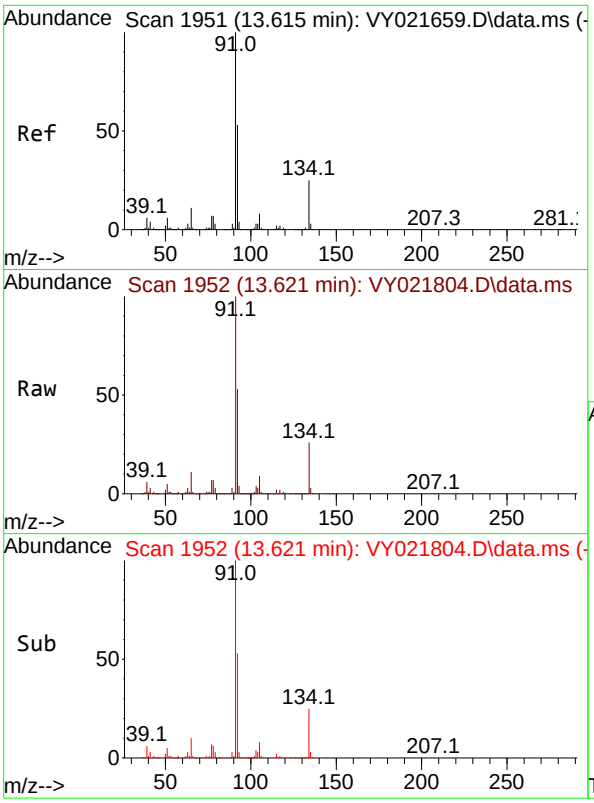


#88
1,4-Dichlorobenzene
Concen: 49.448 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:146 Resp: 288989

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.1
148	63.8	31.5	94.5



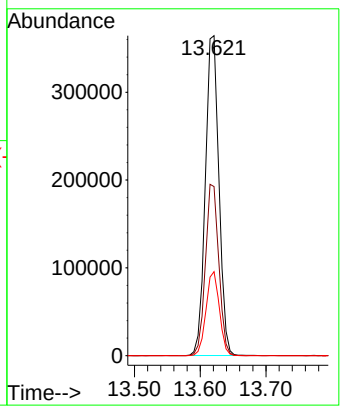


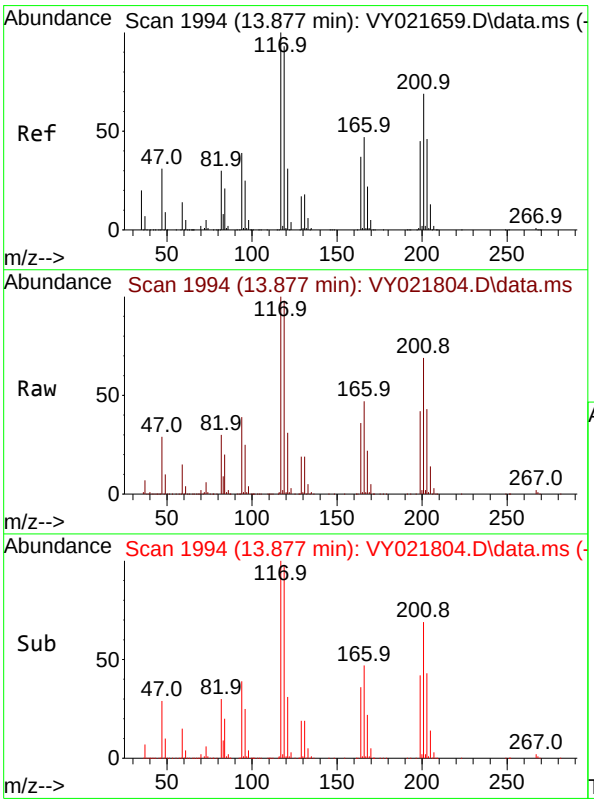
#89
n-Butylbenzene
Concen: 51.422 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 522872

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.8	12.8	38.4

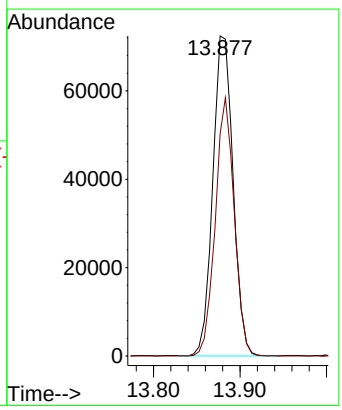


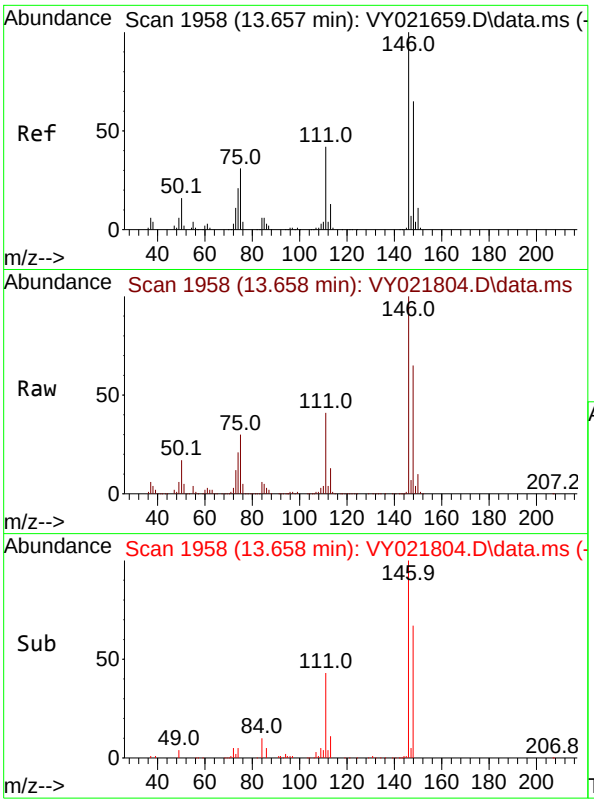


#90
Hexachloroethane
Concen: 48.894 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:117 Resp: 117807

Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.4	112.1



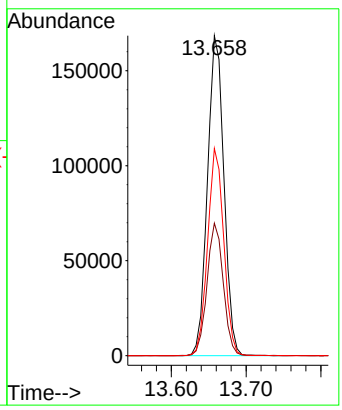


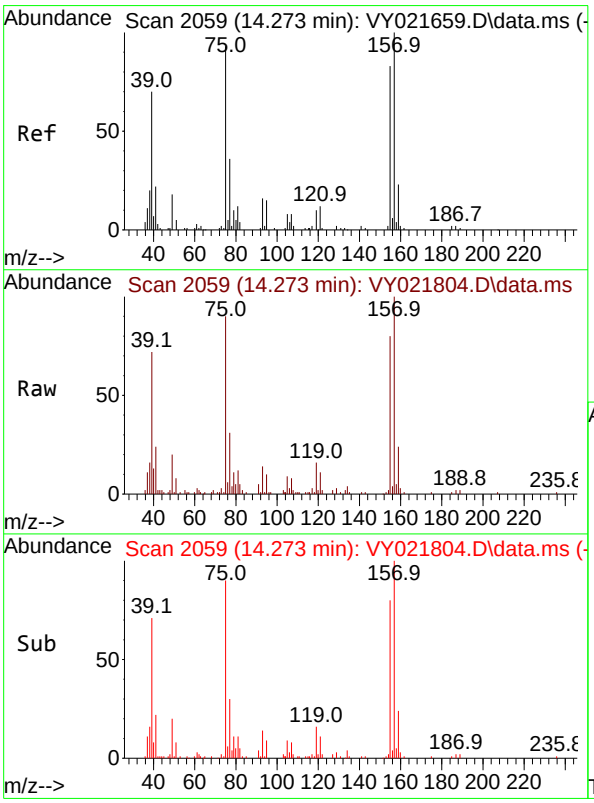
#91
1,2-Dichlorobenzene
Concen: 50.078 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 257864

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.5	32.3	96.9

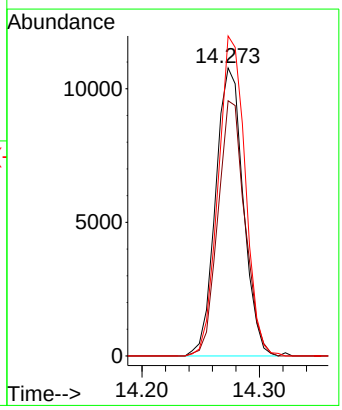


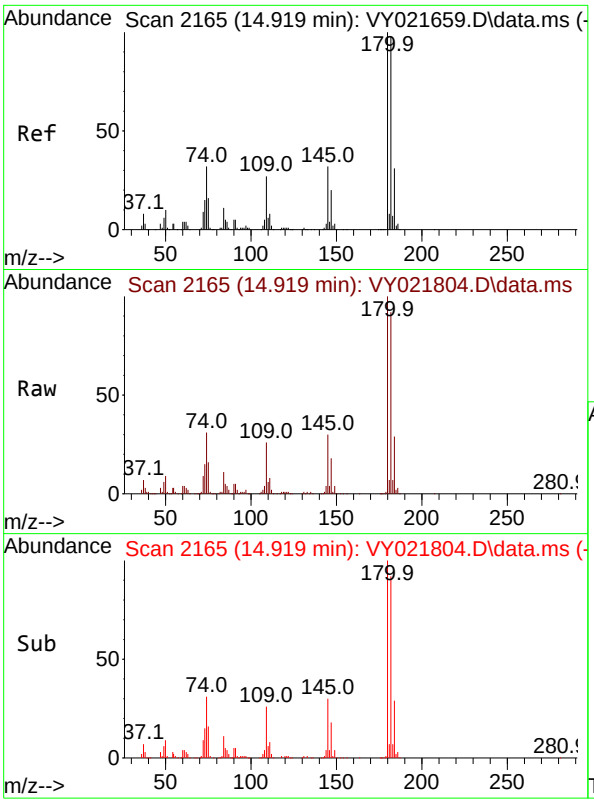


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.624 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion: 75 Resp: 17640

Ion	Ratio	Lower	Upper
75	100		
155	86.1	43.0	128.8
157	108.2	54.0	162.0



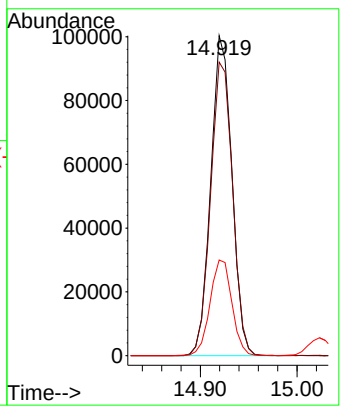


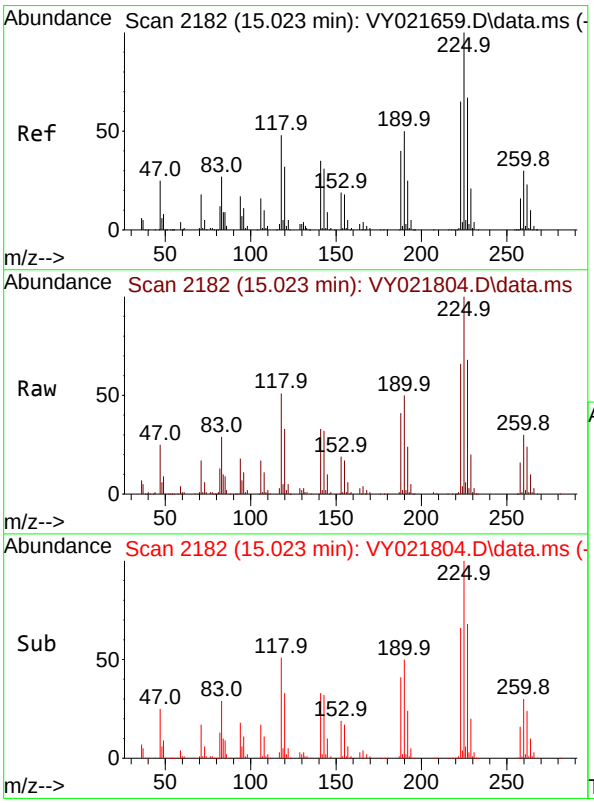
#93
1,2,4-Trichlorobenzene
Concen: 54.582 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 152417

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	31.0	14.9	44.9

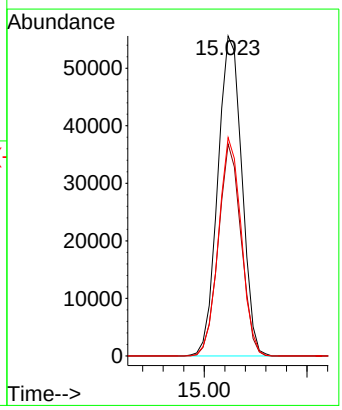


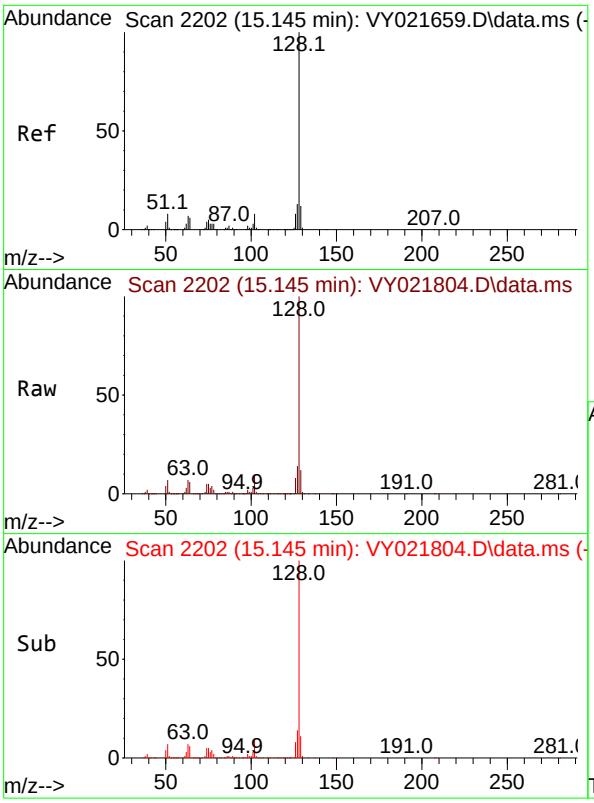


#94
Hexachlorobutadiene
Concen: 51.756 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:225 Resp: 90260

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.7
227	64.7	32.4	97.0



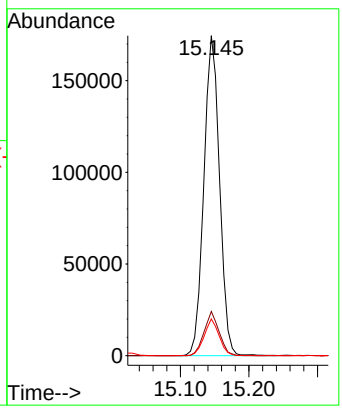


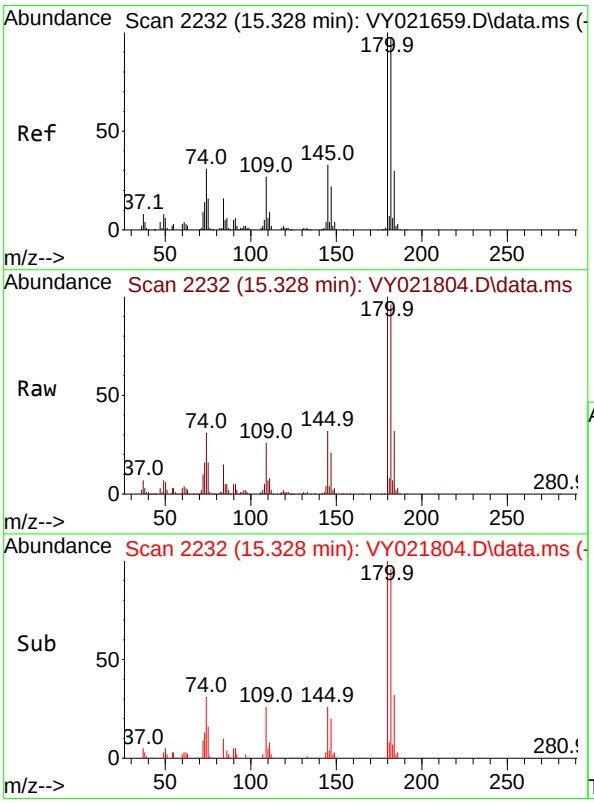
#95
Naphthalene
Concen: 60.132 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 278323

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.0	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 55.748 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021804.D
Acq: 07 Apr 2025 17:29

Tgt Ion:180 Resp: 132748

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	31.7	15.9	47.7

