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 : Q1984

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1984

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1984-01	OU4-PCS-TC-33-050725
Q1984-02	OU4-PCS-TC-33-050725
Q1984-03	OU4-PCS-TC-34-050725
Q1984-04	OU4-PCS-TC-34-050725
Q1984-05	OU4-PCS-TC-35-050725
Q1984-06	OU4-PCS-TC-35-050725
Q1984-07	OU4-TS-24-050725
Q1984-08	OU4-TS-24-050725
Q1984-09	OU4-TS-25-050725
Q1984-10	OU4-TS-25-050725
Q1984-11	OU4-TS-26-050725
Q1984-12	OU4-TS-26-050725
Q1984-13	OU4-TS-27-050725
Q1984-14	OU4-TS-27-050725
Q1984-15	OU4-TS-28-050725
Q1984-16	OU4-TS-28-050725
Q1984-19	OU4-TB01-050725

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

Signature : _____

Date: 5/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q1984
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
17 Solid samples were received on 05/08/2025.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group3 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for
OU4-TS-24-050725 [4-Bromofluorobenzene - 64%], OU4-TS-24-050725RE [4-Bromofluorobenzene - 75%], OU4-TS-28-050725 [4-Bromofluorobenzene - 61%] and OU4-TS-28-050725RE [4-Bromofluorobenzene - 78%],
All the failure samples in surrogates were reanalyzed to confirm
the failure as per method and reported,
Sample # OU4-TS-28-050725 and OU4-TS-28-050725RE not match for positive hit of lab contaminant Acetone but now no more vial for confirmation therefore no corrective action taken

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

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E. Additional Comments:
The Samples OU4-TS-27-050725 and OU4-TS-28-050725RE have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

The SDG Q1984 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1984 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 Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for OU4-TS-24-050725 [4-Bromofluorobenzene - 64%], OU4-TS-24-050725RE [4-Bromofluorobenzene - 75%], OU4-TS-28-050725 [4-Bromofluorobenzene - 61%] and OU4-TS-28-050725RE [4-Bromofluorobenzene - 78%], All the failure samples in surrogates were reanalyzed to confirm the failure as per method and reported. Sample # OU4-TS-28-050725 and OU4-TS-28-050725RE not match for positive hit of lab contaminant Acetone but now no more vial for confirmation therefore no corrective action taken.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

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

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

ADDITIONAL COMMENTS:

The Samples OU4-TS-27-050725 and OU4-TS-28-050725RE have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

The SDG Q1984 is logged for VOCMS group3. Lab is not certified for Tetrahydrofuran and trans-1,4-dichloro-2-butene compounds for 8260D method.

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

The not QT review data is reported in the Miscellaneous.

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

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

_____ _____

QA REVIEW Date

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

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1984

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

QA Review Signature: SOHIL JODHANI **Date:** 05/22/2025

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LAB CHRONICLE

OrderID:	Q1984	**OrderDate:**	5/8/2025 10:48:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1984-01	**OU4-PCS-TC-33-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/15/25	
Q1984-03	**OU4-PCS-TC-34-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/15/25	
Q1984-05	**OU4-PCS-TC-35-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/15/25	
Q1984-07	**OU4-TS-24-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/15/25	
Q1984-07RE	**OU4-TS-24-050725RE**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/16/25	
Q1984-09	**OU4-TS-25-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/16/25	
Q1984-11	**OU4-TS-26-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/16/25	
Q1984-13	**OU4-TS-27-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/16/25	
Q1984-15	**OU4-TS-28-050725**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/15/25	
Q1984-15RE	**OU4-TS-28-050725RE**	**SOIL**			**05/07/25**			**05/08/25**
			VOCMS Group3	8260D			05/16/25	
Q1984-19	**OU4-TB01-050725**	**SOIL**			**05/07/25**			**05/08/25**

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LAB CHRONICLE

VOCMS Group3	8260D	05/16/25

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Hit Summary Sheet
SW-846

SDG No.: Q1984

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**OU4-PCS-TC-34-050725**								
Q1984-03	OU4-PCS-TC-34-0	SOIL	Acetone	0.022	J	0.0044	0.019	0.023	mg/Kg
			Total Voc :	0.022					
			Total Concentration:	0.022					
Client ID:	**OU4-TS-25-050725**								
Q1984-09	OU4-TS-25-050725	SOIL	Acetone	0.044	J	0.012	0.049	0.062	mg/Kg
			Total Voc :	0.044					
			Total Concentration:	0.044					
Client ID:	**OU4-TS-26-050725**								
Q1984-11	OU4-TS-26-050725	SOIL	Acetone	0.055	J	0.011	0.045	0.056	mg/Kg
			Total Voc :	0.055					
			Total Concentration:	0.055					
Client ID:	**OU4-TS-28-050725RE**								
Q1984-15RE	OU4-TS-28-050725	SOIL	Acetone	0.073		0.010	0.042	0.053	mg/Kg
			Total Voc :	0.073					
			Total Concentration:	0.073					

QC SUMMARY

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

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1984-01	OU4-PCS-TC-33-050725	1,2-Dichloroethane-d4	50	44.4	89		71	136
		Dibromofluoromethane	50	48.9	98		78	119
		Toluene-d8	50	48.6	97		85	116
		4-Bromofluorobenzene	50	39.3	79		79	119
Q1984-03	OU4-PCS-TC-34-050725	1,2-Dichloroethane-d4	50	47.4	95		71	136
		Dibromofluoromethane	50	49.3	99		78	119
		Toluene-d8	50	49.7	99		85	116
		4-Bromofluorobenzene	50	43.3	87		79	119
Q1984-05	OU4-PCS-TC-35-050725	1,2-Dichloroethane-d4	50	48.0	96		71	136
		Dibromofluoromethane	50	49.2	98		78	119
		Toluene-d8	50	48.6	97		85	116
		4-Bromofluorobenzene	50	40.5	81		79	119
Q1984-07	OU4-TS-24-050725	1,2-Dichloroethane-d4	50	44.0	88		71	136
		Dibromofluoromethane	50	49.1	98		78	119
		Toluene-d8	50	48.3	96		85	116
		4-Bromofluorobenzene	50	31.9	64	*	79	119
Q1984-07RE	OU4-TS-24-050725RE	1,2-Dichloroethane-d4	50	44.7	89		71	136
		Dibromofluoromethane	50	48.5	97		78	119
		Toluene-d8	50	47.2	94		85	116
		4-Bromofluorobenzene	50	37.5	75	*	79	119
Q1984-09	OU4-TS-25-050725	1,2-Dichloroethane-d4	50	48.2	96		71	136
		Dibromofluoromethane	50	49.9	100		78	119
		Toluene-d8	50	49.0	98		85	116
		4-Bromofluorobenzene	50	39.7	79		79	119
Q1984-11	OU4-TS-26-050725	1,2-Dichloroethane-d4	50	54.0	108		71	136
		Dibromofluoromethane	50	51.6	103		78	119
		Toluene-d8	50	49.7	99		85	116
		4-Bromofluorobenzene	50	41.4	83		79	119
Q1984-13	OU4-TS-27-050725	1,2-Dichloroethane-d4	50	49.1	98		71	136
		Dibromofluoromethane	50	49.8	100		78	119
		Toluene-d8	50	48.9	98		85	116
		4-Bromofluorobenzene	50	40.1	80		79	119
Q1984-15	OU4-TS-28-050725	1,2-Dichloroethane-d4	50	48.5	97		71	136
		Dibromofluoromethane	50	49.9	100		78	119
		Toluene-d8	50	47.1	94		85	116
		4-Bromofluorobenzene	50	30.7	61	*	79	119
Q1984-15RE	OU4-TS-28-050725RE	1,2-Dichloroethane-d4	50	52.3	105		71	136
		Dibromofluoromethane	50	49.9	100		78	119
		Toluene-d8	50	48.9	98		85	116
		4-Bromofluorobenzene	50	38.8	78	*	79	119
Q1984-19	OU4-TB01-050725	1,2-Dichloroethane-d4	50	48.6	97		71	136
		Dibromofluoromethane	50	49.7	99		78	119
		Toluene-d8	50	48.9	98		85	116
		4-Bromofluorobenzene	50	39.9	80		79	119
VY0515SBL01	VY0515SBL01	1,2-Dichloroethane-d4	50	42.8	86		71	136
		Dibromofluoromethane	50	48.3	97		78	119
		Toluene-d8	50	48.7	97		85	116
		4-Bromofluorobenzene	50	39.8	80		79	119
VY0515SBS01	VY0515SBS01	1,2-Dichloroethane-d4	50	51.2	102		71	136
		Dibromofluoromethane	50	51.1	102		78	119

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Surrogate Summary

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0515SBS01	VY0515SBS01	Toluene-d8	50	51.3	103	85	116
		4-Bromofluorobenzene	50	50.2	100	79	119
VY0515SBSD01	VY0515SBSD01	1,2-Dichloroethane-d4	50	51.9	104	71	136
		Dibromofluoromethane	50	51.4	103	78	119
		Toluene-d8	50	51.2	102	85	116
		4-Bromofluorobenzene	50	50.4	101	79	119
VY0516SBL01	VY0516SBL01	1,2-Dichloroethane-d4	50	43.9	88	71	136
		Dibromofluoromethane	50	48.0	96	78	119
		Toluene-d8	50	48.8	98	85	116
		4-Bromofluorobenzene	50	48.5	97	79	119
VY0516SBS01	VY0516SBS01	1,2-Dichloroethane-d4	50	51.1	102	71	136
		Dibromofluoromethane	50	50.8	102	78	119
		Toluene-d8	50	50.9	102	85	116
		4-Bromofluorobenzene	50	49.4	99	79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBS01	Dichlorodifluoromethane	20	22.3	ug/Kg	112			29	149	
	Chloromethane	20	24.4	ug/Kg	122			50	136	
	Vinyl chloride	20	23.6	ug/Kg	118			56	135	
	Bromomethane	20	24.8	ug/Kg	124			53	143	
	Chloroethane	20	22.8	ug/Kg	114			59	139	
	Tetrahydrofuran	100	100	ug/Kg	100			61	135	
	Trichlorofluoromethane	20	22.9	ug/Kg	115			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			66	136	
	1,1-Dichloroethene	20	21.4	ug/Kg	107			70	131	
	Acrylonitrile	100	100	ug/Kg	100			65	134	
	Acetone	100	100	ug/Kg	100			36	164	
	Carbon disulfide	20	21.4	ug/Kg	107			63	132	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			73	125	
	Methylene Chloride	20	21.3	ug/Kg	106			70	128	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			74	125	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			76	125	
	2-Butanone	100	98.4	ug/Kg	98			51	148	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			70	135	
	2,2-Dichloropropane	20	20.9	ug/Kg	104			67	133	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			77	123	
	Chloroform	20	21.2	ug/Kg	106			78	123	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			73	130	
	1,1-Dichloropropene	20	20.4	ug/Kg	102			76	125	
	Benzene	20	20.8	ug/Kg	104			77	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			73	128	
	Trichloroethene	20	20.6	ug/Kg	103			77	123	
	1,2-Dichloropropane	20	20.4	ug/Kg	102			76	123	
	Dibromomethane	20	20.4	ug/Kg	102			78	125	
	Bromodichloromethane	20	20.8	ug/Kg	104			75	127	
	4-Methyl-2-Pentanone	100	98.1	ug/Kg	98			65	135	
	Toluene	20	20.1	ug/Kg	101			77	121	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			71	130	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			74	126	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			78	121	
	1,3-Dichloropropane	20	20.3	ug/Kg	102			77	121	
	2-Hexanone	100	96.4	ug/Kg	96			53	145	
	Dibromochloromethane	20	20.7	ug/Kg	104			74	126	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			78	122	
	Tetrachloroethene	20	19.9	ug/Kg	100			73	128	
	Chlorobenzene	20	20.3	ug/Kg	102			79	120	
	1,1,1,2-Tetrachloroethane	20	19.7	ug/Kg	99			78	125	
	Ethyl Benzene	20	20.1	ug/Kg	101			76	122	
	m/p-Xylenes	40	39.8	ug/Kg	100			77	124	
	o-Xylene	20	19.9	ug/Kg	100			77	123	
	Styrene	20	19.8	ug/Kg	99			76	124	
	Bromoform	20	19.8	ug/Kg	99			67	132	
	Isopropylbenzene	20	20.2	ug/Kg	101			68	134	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022262.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBS01	1,2,3-Trichloropropane	20	20.0	ug/Kg	100			73	125	
	Bromobenzene	20	19.6	ug/Kg	98			78	121	
	N-propylbenzene	20	20.6	ug/Kg	103			73	125	
	2-Chlorotoluene	20	19.8	ug/Kg	99			75	122	
	1,3,5-Trimethylbenzene	20	19.9	ug/Kg	100			73	124	
	4-Chlorotoluene	20	19.9	ug/Kg	100			72	124	
	tert-Butylbenzene	20	20.3	ug/Kg	102			73	125	
	1,2,4-Trimethylbenzene	20	20.0	ug/Kg	100			75	123	
	Sec-butylbenzene	20	20.3	ug/Kg	102			73	126	
	p-Isopropyltoluene	20	19.9	ug/Kg	100			73	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			77	121	
	1,4-Dichlorobenzene	20	19.9	ug/Kg	100			75	120	
	n-Butylbenzene	20	20.4	ug/Kg	102			70	128	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			78	121	
	1,2-Dibromo-3-Chloropropane	20	20.7	ug/Kg	104			61	132	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			67	129	
	Hexachlorobutadiene	20	20.2	ug/Kg	101			61	135	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			66	130	
	trans-1,4-Dichloro-2-butene	20	18.6	ug/Kg	93			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBSD01	Dichlorodifluoromethane	20	21.3	ug/Kg	106	6		29	149	20
	Chloromethane	20	23.0	ug/Kg	115	6		50	136	20
	Vinyl chloride	20	22.8	ug/Kg	114	3		56	135	20
	Bromomethane	20	24.3	ug/Kg	121	2		53	143	20
	Chloroethane	20	22.4	ug/Kg	112	2		59	139	20
	Tetrahydrofuran	100	110	ug/Kg	110	10		61	135	20
	Trichlorofluoromethane	20	22.1	ug/Kg	111	4		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104	2		66	136	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	7		70	131	20
	Acrylonitrile	100	110	ug/Kg	110	10		65	134	20
	Acetone	100	100	ug/Kg	100	0		36	164	20
	Carbon disulfide	20	20.5	ug/Kg	103	4		63	132	20
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105	3		73	125	20
	Methylene Chloride	20	21.3	ug/Kg	106	0		70	128	20
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104	1		74	125	20
	1,1-Dichloroethane	20	20.3	ug/Kg	102	2		76	125	20
	2-Butanone	100	100	ug/Kg	100	2		51	148	20
	Carbon Tetrachloride	20	19.8	ug/Kg	99	3		70	135	20
	2,2-Dichloropropane	20	20.0	ug/Kg	100	4		67	133	20
	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101	3		77	123	20
	Chloroform	20	20.5	ug/Kg	103	3		78	123	20
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	5		73	130	20
	1,1-Dichloropropene	20	19.9	ug/Kg	100	2		76	125	20
	Benzene	20	20.0	ug/Kg	100	4		77	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	0		73	128	20
	Trichloroethene	20	19.8	ug/Kg	99	4		77	123	20
	1,2-Dichloropropane	20	19.9	ug/Kg	100	2		76	123	20
	Dibromomethane	20	20.4	ug/Kg	102	0		78	125	20
	Bromodichloromethane	20	20.3	ug/Kg	102	2		75	127	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	12		65	135	20
	Toluene	20	19.5	ug/Kg	98	3		77	121	20
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	0		71	130	20
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100	3		74	126	20
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		78	121	20
	1,3-Dichloropropane	20	20.6	ug/Kg	103	1		77	121	20
	2-Hexanone	100	100	ug/Kg	100	4		53	145	20
	Dibromochloromethane	20	20.4	ug/Kg	102	2		74	126	20
	1,2-Dibromoethane	20	20.5	ug/Kg	103	2		78	122	20
	Tetrachloroethene	20	19.9	ug/Kg	100	0		73	128	20
	Chlorobenzene	20	20.0	ug/Kg	100	2		79	120	20
	1,1,1,2-Tetrachloroethane	20	18.9	ug/Kg	95	4		78	125	20
	Ethyl Benzene	20	19.6	ug/Kg	98	3		76	122	20
	m/p-Xylenes	40	39.1	ug/Kg	98	2		77	124	20
	o-Xylene	20	19.7	ug/Kg	99	1		77	123	20
	Styrene	20	19.4	ug/Kg	97	2		76	124	20
	Bromoform	20	20.6	ug/Kg	103	4		67	132	20
	Isopropylbenzene	20	19.6	ug/Kg	98	3		68	134	20
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106	5		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0515SBSD01	1,2,3-Trichloropropane	20	20.8	ug/Kg	104	4		73	125	20
	Bromobenzene	20	19.6	ug/Kg	98	0		78	121	20
	N-propylbenzene	20	19.7	ug/Kg	99	4		73	125	20
	2-Chlorotoluene	20	19.5	ug/Kg	98	1		75	122	20
	1,3,5-Trimethylbenzene	20	19.3	ug/Kg	97	3		73	124	20
	4-Chlorotoluene	20	19.7	ug/Kg	99	1		72	124	20
	tert-Butylbenzene	20	19.9	ug/Kg	100	2		73	125	20
	1,2,4-Trimethylbenzene	20	19.6	ug/Kg	98	2		75	123	20
	Sec-butylbenzene	20	19.8	ug/Kg	99	3		73	126	20
	p-Isopropyltoluene	20	19.5	ug/Kg	98	2		73	127	20
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97	1		77	121	20
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	0		75	120	20
	n-Butylbenzene	20	19.9	ug/Kg	100	2		70	128	20
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	1		78	121	20
	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107	3		61	132	20
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	4		67	129	20
	Hexachlorobutadiene	20	21.0	ug/Kg	105	4		61	135	20
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105	8		66	130	20
	trans-1,4-Dichloro-2-butene	20	19.9	ug/Kg	100	7		62	136	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			29	149	
	Chloromethane	20	24.4	ug/Kg	122			50	136	
	Vinyl chloride	20	24.1	ug/Kg	121			56	135	
	Bromomethane	20	26.5	ug/Kg	133			53	143	
	Chloroethane	20	24.7	ug/Kg	124			59	139	
	Tetrahydrofuran	100	95.5	ug/Kg	96			61	135	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			66	136	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			70	131	
	Acrylonitrile	100	97.7	ug/Kg	98			65	134	
	Acetone	100	85.5	ug/Kg	86			36	164	
	Carbon disulfide	20	20.7	ug/Kg	104			63	132	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			73	125	
	Methylene Chloride	20	20.0	ug/Kg	100			70	128	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			74	125	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			76	125	
	2-Butanone	100	91.5	ug/Kg	92			51	148	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70	135	
	2,2-Dichloropropane	20	20.0	ug/Kg	100			67	133	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			77	123	
	Chloroform	20	20.9	ug/Kg	104			78	123	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			73	130	
	1,1-Dichloropropene	20	19.5	ug/Kg	98			76	125	
	Benzene	20	20.1	ug/Kg	101			77	121	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			73	128	
	Trichloroethene	20	20.4	ug/Kg	102			77	123	
	1,2-Dichloropropane	20	19.4	ug/Kg	97			76	123	
	Dibromomethane	20	19.5	ug/Kg	98			78	125	
	Bromodichloromethane	20	20.2	ug/Kg	101			75	127	
	4-Methyl-2-Pentanone	100	90.9	ug/Kg	91			65	135	
	Toluene	20	19.5	ug/Kg	98			77	121	
	t-1,3-Dichloropropene	20	18.9	ug/Kg	95			71	130	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			74	126	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			78	121	
	1,3-Dichloropropane	20	19.2	ug/Kg	96			77	121	
	2-Hexanone	100	89.2	ug/Kg	89			53	145	
	Dibromochloromethane	20	19.6	ug/Kg	98			74	126	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			78	122	
	Tetrachloroethene	20	19.8	ug/Kg	99			73	128	
	Chlorobenzene	20	19.7	ug/Kg	99			79	120	
	1,1,1,2-Tetrachloroethane	20	19.1	ug/Kg	96			78	125	
	Ethyl Benzene	20	19.0	ug/Kg	95			76	122	
	m/p-Xylenes	40	38.4	ug/Kg	96			77	124	
	o-Xylene	20	19.4	ug/Kg	97			77	123	
	Styrene	20	18.9	ug/Kg	95			76	124	
	Bromoform	20	18.4	ug/Kg	92			67	132	
	Isopropylbenzene	20	19.3	ug/Kg	97			68	134	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	1,2,3-Trichloropropane	20	19.3	ug/Kg	97			73	125	
	Bromobenzene	20	18.9	ug/Kg	95			78	121	
	N-propylbenzene	20	19.4	ug/Kg	97			73	125	
	2-Chlorotoluene	20	19.1	ug/Kg	96			75	122	
	1,3,5-Trimethylbenzene	20	18.9	ug/Kg	95			73	124	
	4-Chlorotoluene	20	18.7	ug/Kg	94			72	124	
	tert-Butylbenzene	20	19.3	ug/Kg	97			73	125	
	1,2,4-Trimethylbenzene	20	19.2	ug/Kg	96			75	123	
	Sec-butylbenzene	20	19.2	ug/Kg	96			73	126	
	p-Isopropyltoluene	20	18.9	ug/Kg	95			73	127	
	1,3-Dichlorobenzene	20	18.4	ug/Kg	92			77	121	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			75	120	
	n-Butylbenzene	20	19.3	ug/Kg	97			70	128	
	1,2-Dichlorobenzene	20	19.1	ug/Kg	96			78	121	
	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			61	132	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			67	129	
	Hexachlorobutadiene	20	18.9	ug/Kg	95			61	135	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			66	130	
	trans-1,4-Dichloro-2-butene	20	16.8	ug/Kg	84			62	136	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0515SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab File ID: VY022261.D Lab Sample ID: VY0515SBL01

Date Analyzed: 05/15/2025 Time Analyzed: 13:44

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
VY0515SBS01	VY0515SBS01	VY022262.D	05/15/2025
VY0515SBSD01	VY0515SBSD01	VY022263.D	05/15/2025
OU4-PCS-TC-33-050725	Q1984-01	VY022264.D	05/15/2025
OU4-PCS-TC-34-050725	Q1984-03	VY022265.D	05/15/2025
OU4-PCS-TC-35-050725	Q1984-05	VY022266.D	05/15/2025
OU4-TS-24-050725	Q1984-07	VY022267.D	05/15/2025
OU4-TS-28-050725	Q1984-15	VY022271.D	05/15/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0516SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab File ID: VY022278.D Lab Sample ID: VY0516SBL01

Date Analyzed: 05/16/2025 Time Analyzed: 09:37

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
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025
OU4-TS-24-050725RE	Q1984-07RE	VY022281.D	05/16/2025
OU4-TS-25-050725	Q1984-09	VY022282.D	05/16/2025
OU4-TS-26-050725	Q1984-11	VY022283.D	05/16/2025
OU4-TS-27-050725	Q1984-13	VY022284.D	05/16/2025
OU4-TS-28-050725RE	Q1984-15RE	VY022285.D	05/16/2025
OU4-TB01-050725	Q1984-19	VY022298.D	05/16/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

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

Instrument ID: MSVOA_Y BFB Injection Time: 07:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022253.D	05/15/2025	09:46
VSTDICC010	VSTDICC010	VY022254.D	05/15/2025	10:16
VSTDICC020	VSTDICC020	VY022255.D	05/15/2025	10:39
VSTDICCC050	VSTDICCC050	VY022256.D	05/15/2025	11:02
VSTDICC100	VSTDICC100	VY022257.D	05/15/2025	11:24
VSTDICC150	VSTDICC150	VY022258.D	05/15/2025	11:47
VY0515SBL01	VY0515SBL01	VY022261.D	05/15/2025	13:44
VY0515SBS01	VY0515SBS01	VY022262.D	05/15/2025	14:07
VY0515SBSD01	VY0515SBSD01	VY022263.D	05/15/2025	14:29
OU4-PCS-TC-33-050725	Q1984-01	VY022264.D	05/15/2025	15:12
OU4-PCS-TC-34-050725	Q1984-03	VY022265.D	05/15/2025	15:35
OU4-PCS-TC-35-050725	Q1984-05	VY022266.D	05/15/2025	15:59
OU4-TS-24-050725	Q1984-07	VY022267.D	05/15/2025	16:22
OU4-TS-28-050725	Q1984-15	VY022271.D	05/15/2025	17:56
VSTDCCC050EC	VSTDCCC050	VY022275.D	05/15/2025	19:52

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab File ID: VY022276.D BFB Injection Date: 05/16/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:54

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	25.1
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.2 (7.4) 1
176	95.0 - 101.0% of mass 174	81.9 (98.3) 1
177	5.0 - 9.0% of mass 176	5.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022277.D	05/16/2025	08:24
VY0516SBL01	VY0516SBL01	VY022278.D	05/16/2025	09:37
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025	10:09
OU4-TS-24-050725RE	Q1984-07RE	VY022281.D	05/16/2025	11:17
OU4-TS-25-050725	Q1984-09	VY022282.D	05/16/2025	11:41
OU4-TS-26-050725	Q1984-11	VY022283.D	05/16/2025	12:04
OU4-TS-27-050725	Q1984-13	VY022284.D	05/16/2025	12:29
OU4-TS-28-050725RE	Q1984-15RE	VY022285.D	05/16/2025	12:54
OU4-TB01-050725	Q1984-19	VY022298.D	05/16/2025	17:59
VSTDCCC050EC	VSTDCCC050	VY022301.D	05/16/2025	19:29

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab File ID: VY022256.D Date Analyzed: 05/15/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:02

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	267598	7.71	439323	8.62	377571	11.41
UPPER LIMIT	535196	8.207	878646	9.116	755142	11.914
LOWER LIMIT	133799	7.207	219662	8.116	188786	10.914
EPA SAMPLE NO.						
OU4-PCS-TC-33-050725	335713	7.71	583367	8.62	455663	11.41
OU4-PCS-TC-34-050725	328781	7.71	578595	8.61	473987	11.41
OU4-PCS-TC-35-050725	325803	7.71	579791	8.62	460550	11.41
OU4-TS-24-050725	338191	7.71	583353	8.62	417105	11.41
OU4-TS-28-050725	295768	7.71	512727	8.61	353419	11.41
VY0515SBL01	357935	7.71	617938	8.62	477752	11.41
VY0515SBS01	240556	7.71	405751	8.62	344872	11.41
VY0515SBSD01	238919	7.71	402031	8.62	341987	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.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab File ID: VY022256.D Date Analyzed: 05/15/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:02

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

	IS4 AREA #	RT #				
12 HOUR STD	180358	13.346				
UPPER LIMIT	360716	13.846				
LOWER LIMIT	90179	12.846				
EPA SAMPLE NO.						
OU4-PCS-TC-33-050725	163510	13.35				
OU4-PCS-TC-34-050725	189383	13.35				
OU4-PCS-TC-35-050725	168641	13.35				
OU4-TS-24-050725	112628	13.35				
OU4-TS-28-050725	96887	13.35				
VY0515SBL01	173912	13.35				
VY0515SBS01	163448	13.35				
VY0515SBSD01	161126	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.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab File ID: VY022277.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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	212993	7.71	356583	8.62	305829	11.42
UPPER LIMIT	425986	8.207	713166	9.115	611658	11.92
LOWER LIMIT	106497	7.207	178292	8.115	152915	10.92
EPA SAMPLE NO.						
OU4-TS-24-050725RE	291145	7.71	506824	8.62	348369	11.42
OU4-TS-25-050725	290980	7.71	516868	8.62	401768	11.41
OU4-TS-26-050725	289636	7.71	518563	8.62	423867	11.41
OU4-TS-27-050725	290740	7.71	521620	8.62	417665	11.41
OU4-TS-28-050725RE	264515	7.71	453356	8.62	350356	11.41
OU4-TB01-050725	261424	7.71	469953	8.61	375976	11.41
VY0516SBL01	314347	7.71	555500	8.62	426459	11.42
VY0516SBS01	205076	7.71	351708	8.62	300126	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.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab File ID: VY022277.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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

	IS4 AREA #	RT #				
12 HOUR STD	144477	13.346				
UPPER LIMIT	288954	13.846				
LOWER LIMIT	72238.5	12.846				
EPA SAMPLE NO.						
OU4-TS-24-050725RE	87017	13.35				
OU4-TS-25-050725	145583	13.35				
OU4-TS-26-050725	157695	13.35				
OU4-TS-27-050725	152557	13.35				
OU4-TS-28-050725RE	125365	13.35				
OU4-TB01-050725	137120	13.35				
VY0516SBL01	151389	13.35				
VY0516SBS01	141210	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.1
Sample Wt/Vol:	5.29 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
VY022264.D	1		05/15/25 15:12	VY051525

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	0.012	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	0.0011	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	0.020	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	0.0099	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	0.00080	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	0.00096	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	0.00075	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	0.00079	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	0.00090	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	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0036	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.1
Sample Wt/Vol:	5.29 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
VY022264.D	1		05/15/25 15:12	VY051525

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	0.00091	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	0.012	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	0.00077	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	0.0099	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	0.00071	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	0.00078	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	0.00081	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	0.00067	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.1
Sample Wt/Vol:	5.29 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
VY022264.D	1		05/15/25 15:12	VY051525

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	0.0030	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	44.4		71 - 136		89%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		78 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.6		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3		79 - 119		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	336000	7.707				
540-36-3	1,4-Difluorobenzene	583000	8.616				
3114-55-4	Chlorobenzene-d5	456000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	164000	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\VY051525\
Data File : VY022264.D
Acq On : 15 May 2025 15:12
Operator : SY/MD
Sample : Q1984-01
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Quant Time: May 16 01:56:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

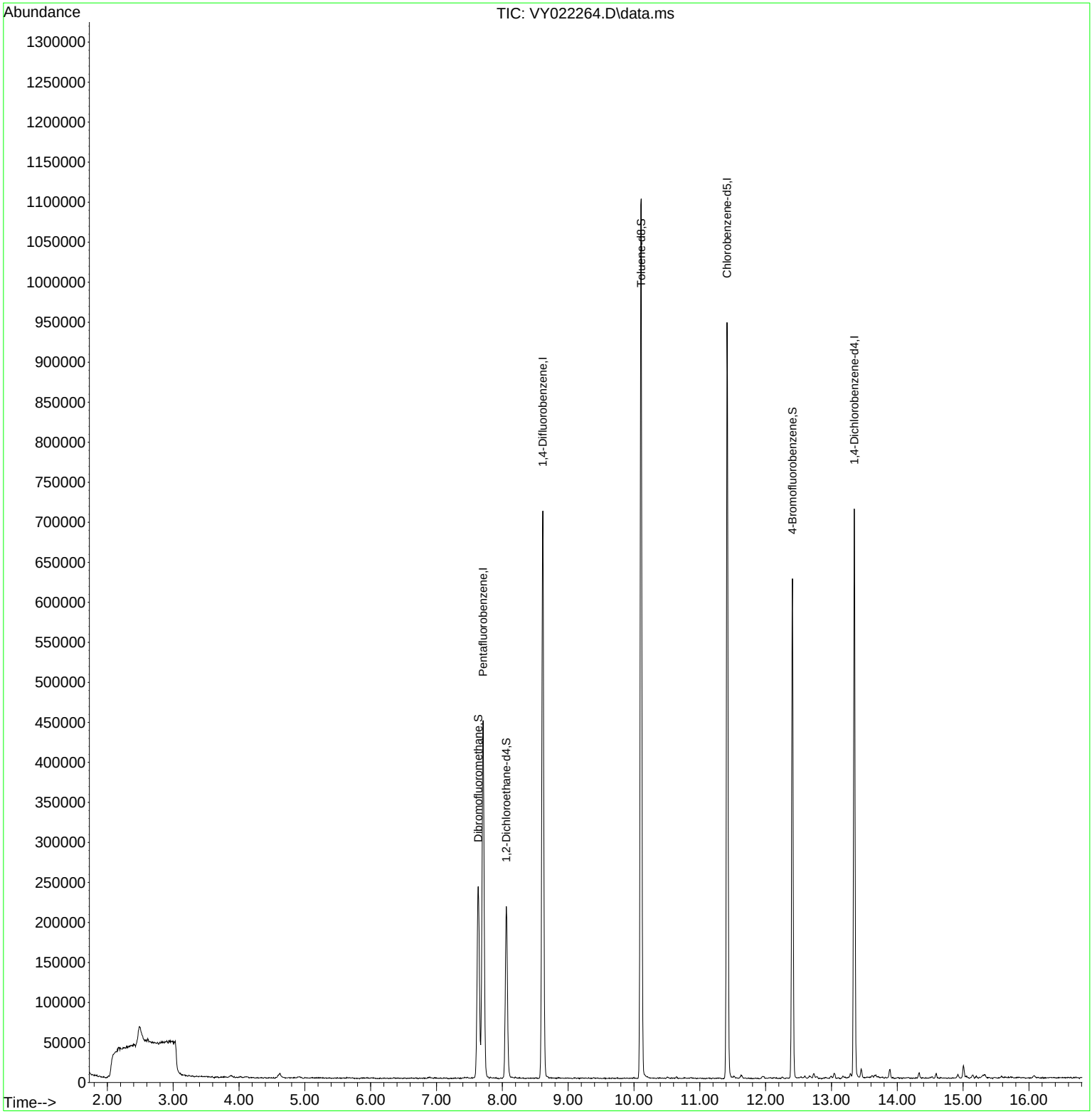
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	335713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	583367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	455663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162950	44.412	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.820%		
35) Dibromofluoromethane	7.634	113	170196	48.881	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.760%		
50) Toluene-d8	10.109	98	693172	48.609	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.220%		
62) 4-Bromofluorobenzene	12.408	95	177590	39.290	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.580%		
Target Compounds						Qvalue

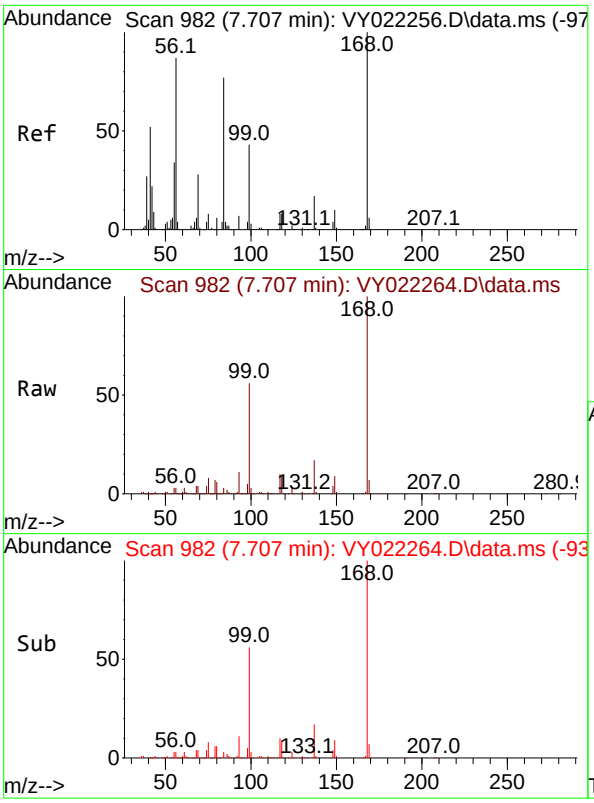
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022264.D
Acq On : 15 May 2025 15:12
Operator : SY/MD
Sample : Q1984-01
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Quant Time: May 16 01:56:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



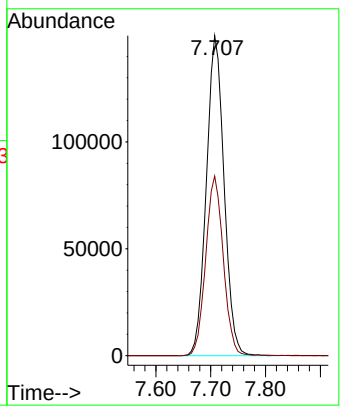


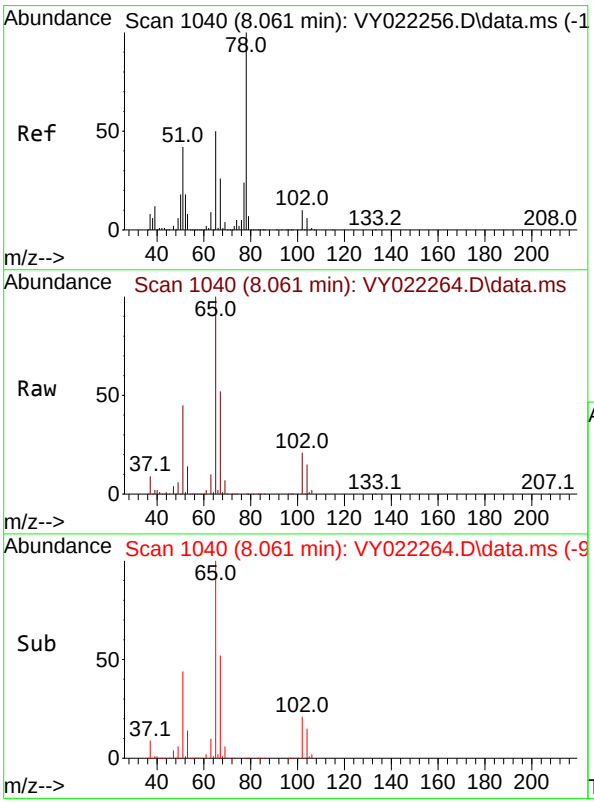
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion:168 Resp: 335713

Ion	Ratio	Lower	Upper
168	100		
99	56.2	44.2	66.4

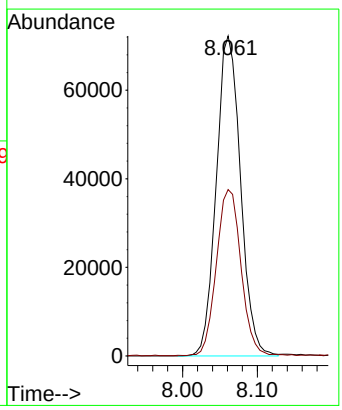


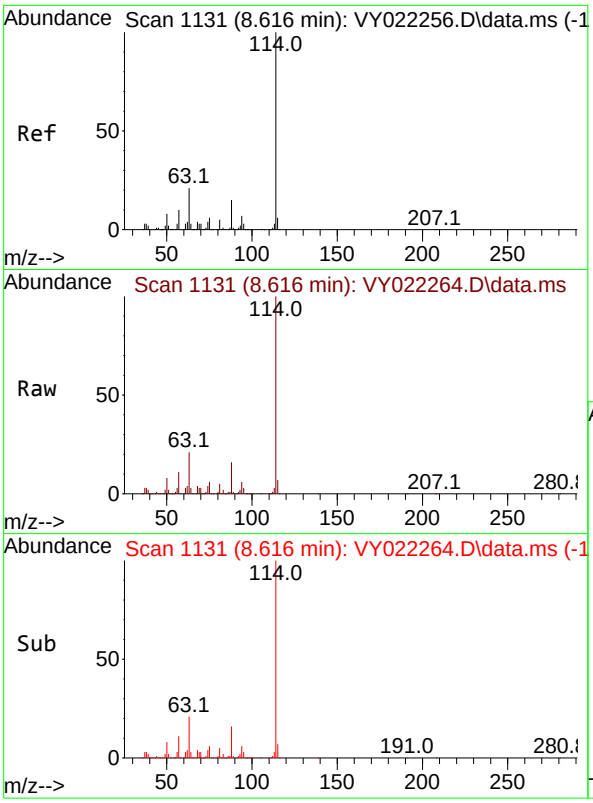


#33
1,2-Dichloroethane-d4
Concen: 44.412 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 65 Resp: 162950

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6



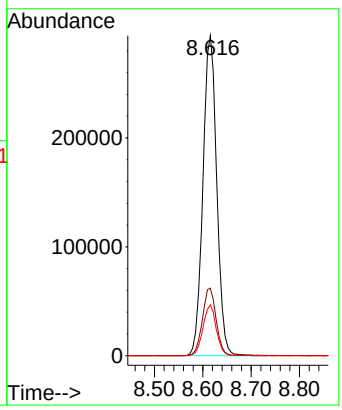


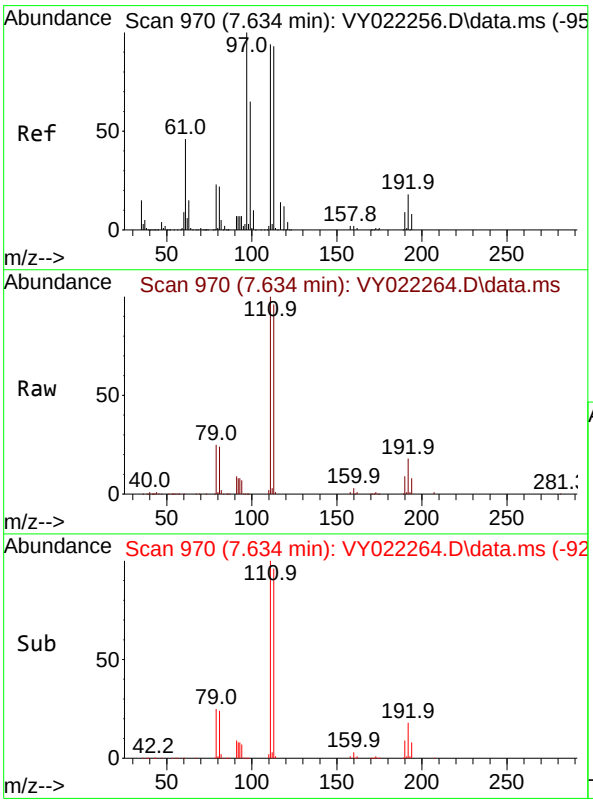
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion:114 Resp: 583367

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	15.9	0.0	29.4

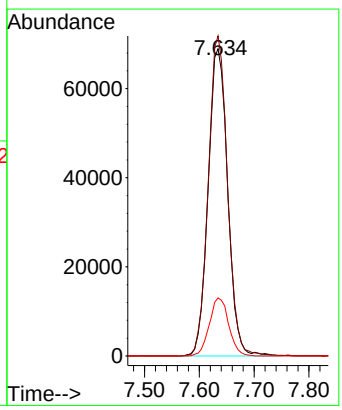


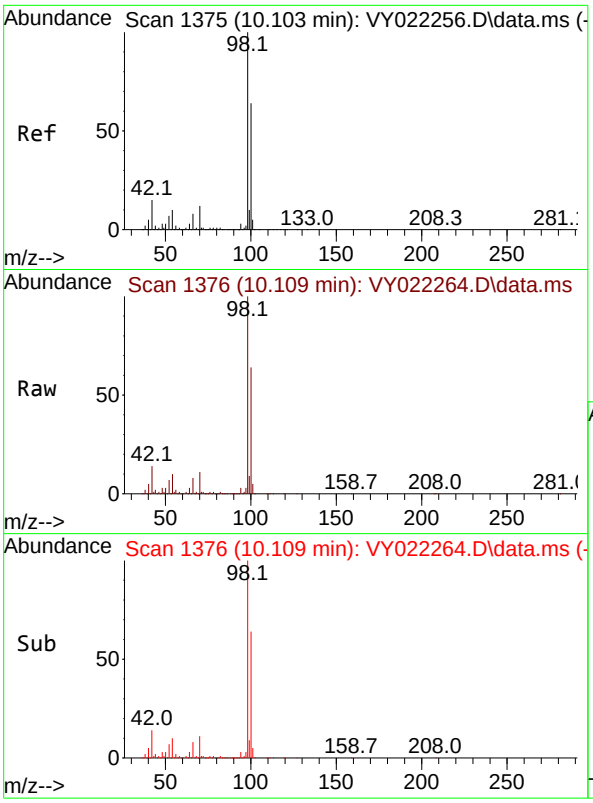


#35
Dibromofluoromethane
Concen: 48.881 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion:113 Resp: 170196

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	18.8	15.2	22.8



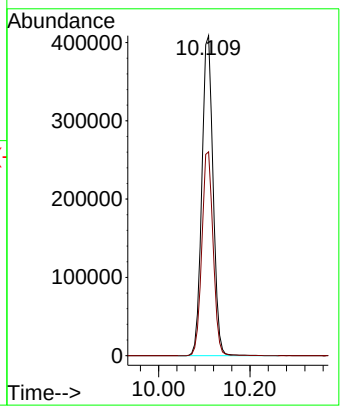


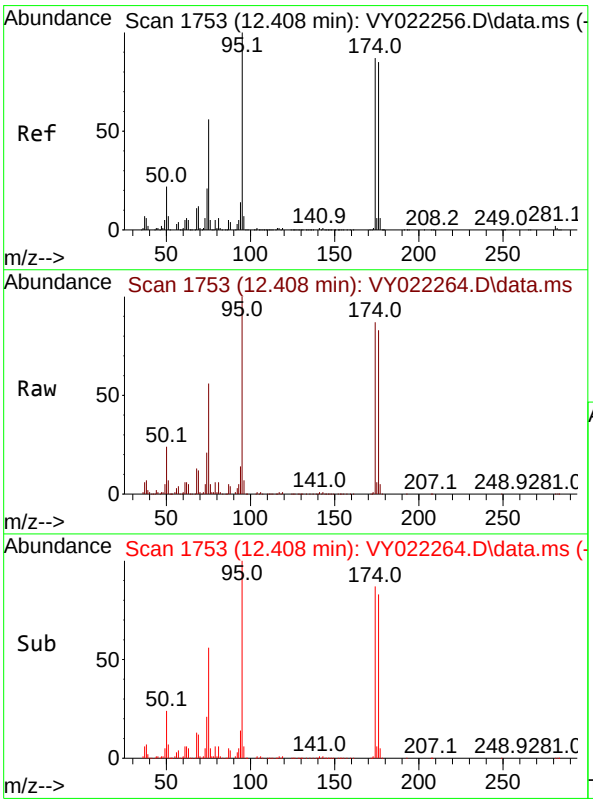
#50
Toluene-d8
Concen: 48.609 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion: 98 Resp: 693172

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8

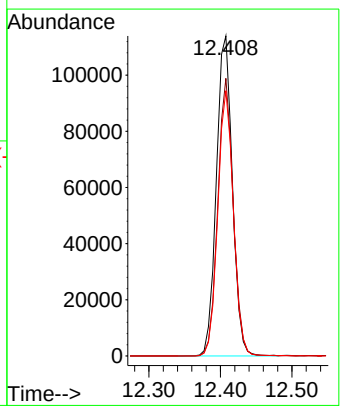


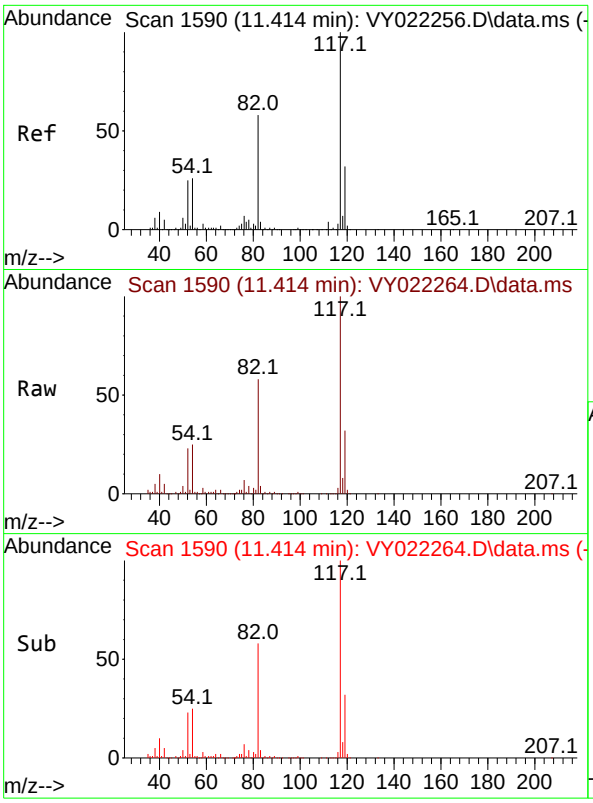


#62
4-Bromofluorobenzene
Concen: 39.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 95 Resp: 177590

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	166.8
176	80.7	0.0	160.8



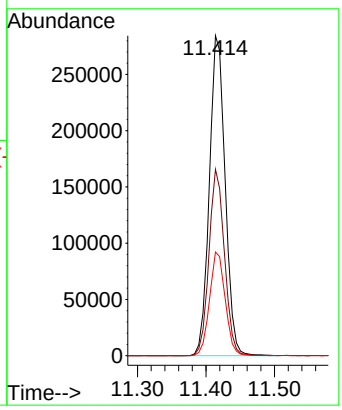


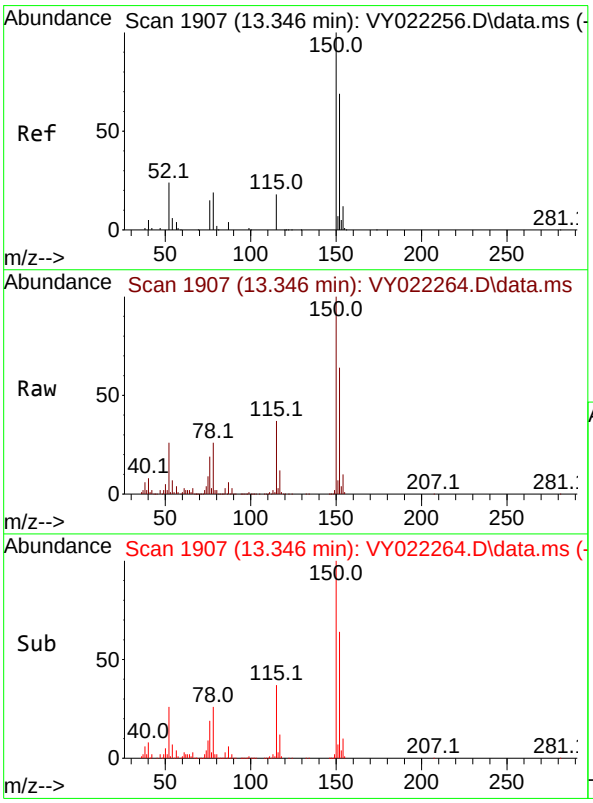
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion:117 Resp: 455663

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.6	70.0
119	32.4	25.8	38.6

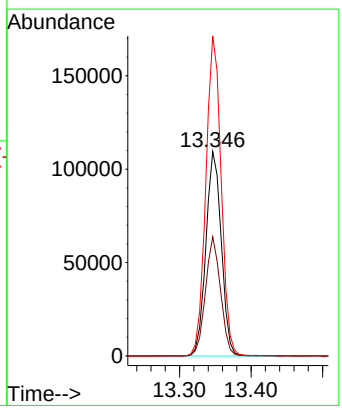




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion:152 Resp: 163510

Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.4	88.2
150	156.1	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.7
Sample Wt/Vol:	5.65 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
VY022265.D	1		05/15/25 15:35	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0037	U	0.0011	0.0037	0.0046	mg/Kg
74-87-3	Chloromethane	0.0023	U	0.0011	0.0023	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
74-83-9	Bromomethane	0.0037	U	0.00099	0.0037	0.0046	mg/Kg
75-00-3	Chloroethane	0.0023	U	0.0012	0.0023	0.0046	mg/Kg
109-99-9	Tetrahydrofuran	0.012	U	0.0043	0.012	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0037	U	0.0011	0.0037	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0023	U	0.00098	0.0023	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.0023	U	0.00092	0.0023	0.0046	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0046	0.012	0.023	mg/Kg
67-64-1	Acetone	0.022	J	0.0044	0.019	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0037	U	0.00098	0.0037	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0023	U	0.00068	0.0023	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0074	U	0.0033	0.0074	0.0092	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0023	U	0.00080	0.0023	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.0023	U	0.00074	0.0023	0.0046	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0060	0.019	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0023	U	0.00090	0.0023	0.0046	mg/Kg
594-20-7	2,2-Dichloropropane	0.0037	U	0.0012	0.0037	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0023	U	0.00069	0.0023	0.0046	mg/Kg
67-66-3	Chloroform	0.0037	U	0.00078	0.0037	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0023	U	0.00086	0.0023	0.0046	mg/Kg
563-58-6	1,1-Dichloropropene	0.0023	U	0.00080	0.0023	0.0046	mg/Kg
71-43-2	Benzene	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.0023	U	0.00073	0.0023	0.0046	mg/Kg
79-01-6	Trichloroethene	0.0023	U	0.00075	0.0023	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.0023	U	0.00084	0.0023	0.0046	mg/Kg
74-95-3	Dibromomethane	0.0023	U	0.00082	0.0023	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.0023	U	0.00072	0.0023	0.0046	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,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.7
Sample Wt/Vol:	5.65 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
VY022265.D	1		05/15/25 15:35	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0023	U	0.00072	0.0023	0.0046	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0023	U	0.00060	0.0023	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0023	U	0.00085	0.0023	0.0046	mg/Kg
142-28-9	1,3-Dichloropropane	0.0023	U	0.00063	0.0023	0.0046	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	0.00080	0.0023	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.0023	U	0.00081	0.0023	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.0023	U	0.00097	0.0023	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.0023	U	0.00084	0.0023	0.0046	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0023	U	0.00071	0.0023	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.0023	U	0.00062	0.0023	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0046	U	0.0011	0.0046	0.0092	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	0.00076	0.0023	0.0046	mg/Kg
100-42-5	Styrene	0.0023	U	0.00066	0.0023	0.0046	mg/Kg
75-25-2	Bromoform	0.0023	U	0.00080	0.0023	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.0023	U	0.00072	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	0.0037	U	0.0011	0.0037	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	0.00068	0.0023	0.0046	mg/Kg
95-49-8	2-Chlorotoluene	0.0023	U	0.00063	0.0023	0.0046	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0023	U	0.00076	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	0.00062	0.0023	0.0046	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0023	U	0.00059	0.0023	0.0046	mg/Kg
135-98-8	sec-Butylbenzene	0.0023	U	0.00061	0.0023	0.0046	mg/Kg
99-87-6	p-Isopropyltoluene	0.0023	U	0.00057	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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Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	95.7
Sample Wt/Vol:	5.65 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
VY022265.D	1		05/15/25 15:35	VY051525

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	0.0037	U	0.0017	0.0037	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0037	U	0.0027	0.0037	0.0046	mg/Kg
87-68-3	Hexachlorobutadiene	0.0023	U	0.0018	0.0023	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0037	U	0.0029	0.0037	0.0046	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0023	U	0.00098	0.0023	0.0046	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.3		71 - 136		95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		79 - 119		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	329000	7.707				
540-36-3	1,4-Difluorobenzene	579000	8.609				
3114-55-4	Chlorobenzene-d5	474000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.346				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022265.D
Acq On : 15 May 2025 15:35
Operator : SY/MD
Sample : Q1984-03
Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

Quant Time: May 16 01:56:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

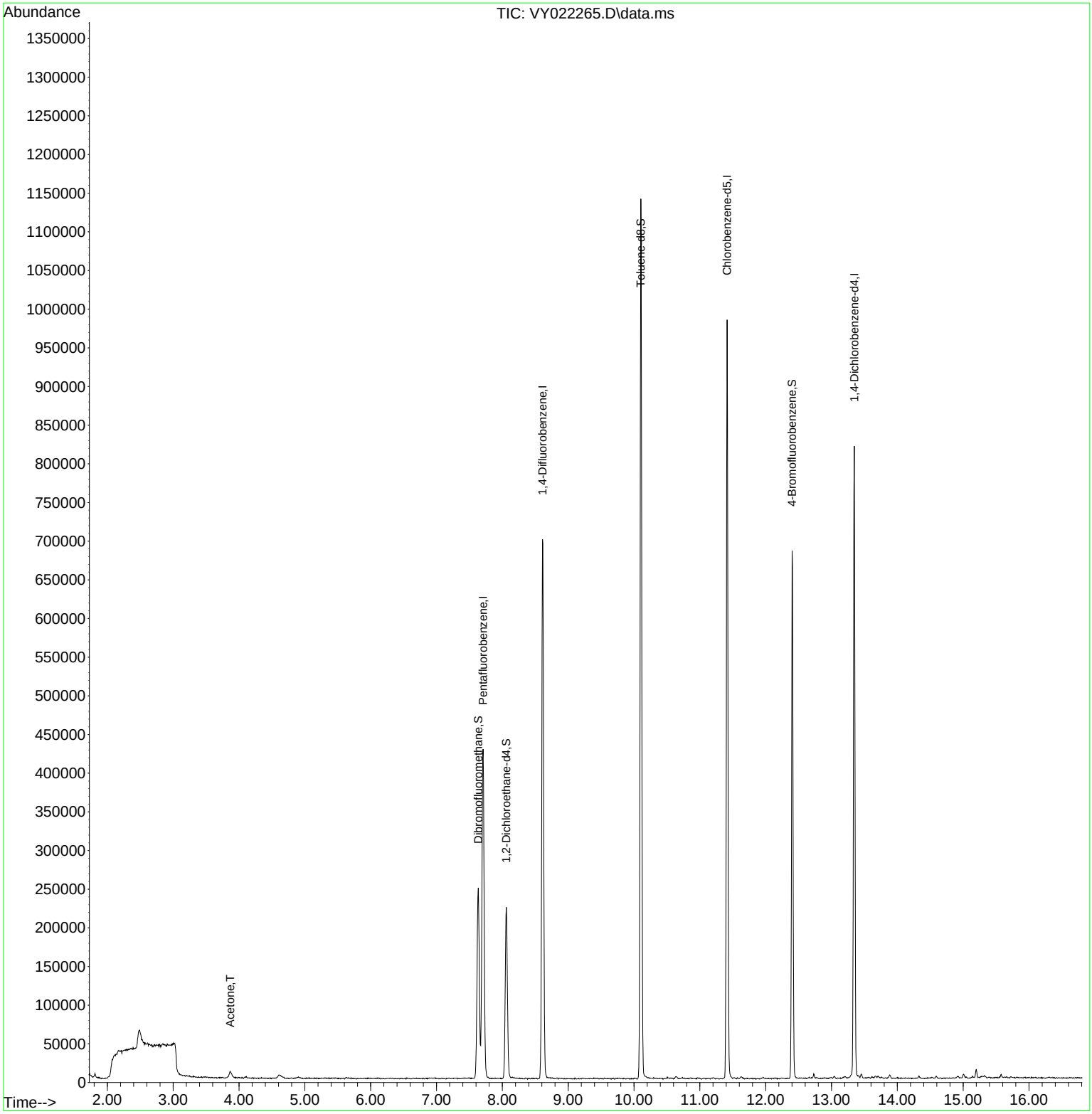
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	328781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	578595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	473987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170135	47.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.700%			
35) Dibromofluoromethane	7.634	113	170320	49.320	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.640%			
50) Toluene-d8	10.103	98	702946	49.701	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.401	95	194312	43.344	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.680%			
Target Compounds						Qvalue
16) Acetone	3.866	43	15631	23.200	ug/l	97

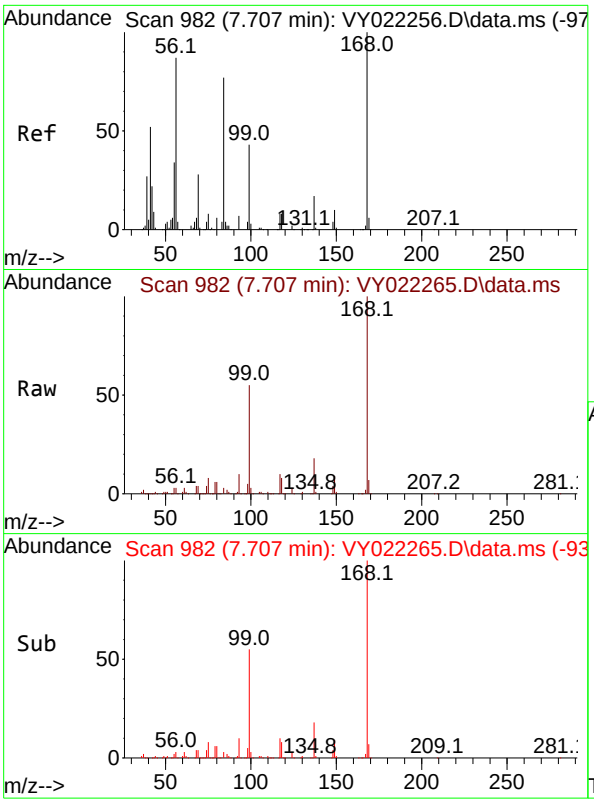
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022265.D
Acq On : 15 May 2025 15:35
Operator : SY/MD
Sample : Q1984-03
Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

Quant Time: May 16 01:56:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



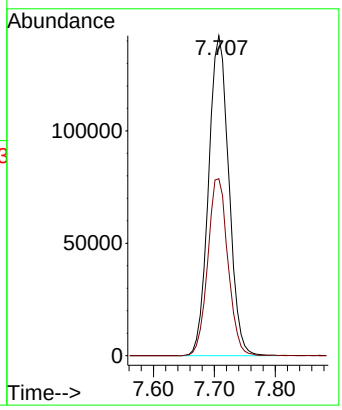


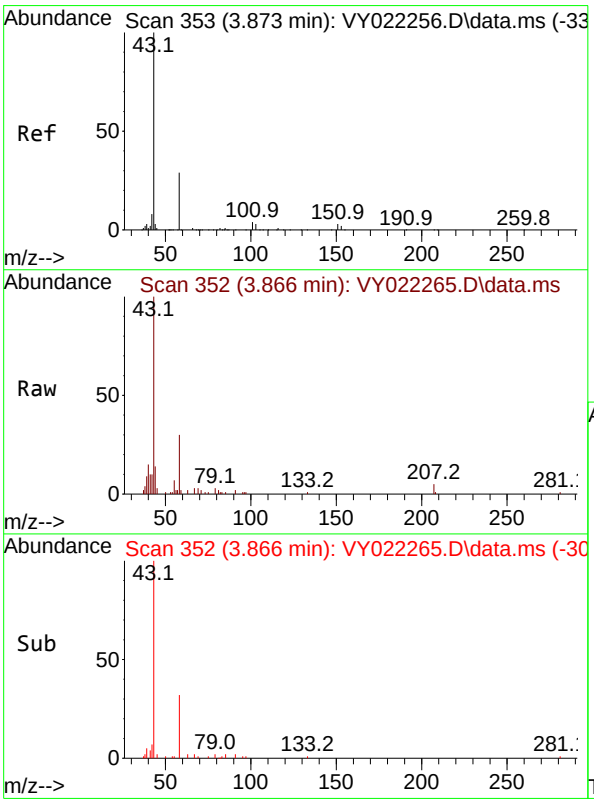
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

Tgt Ion:168 Resp: 328781

Ion	Ratio	Lower	Upper
168	100		
99	55.3	44.2	66.4

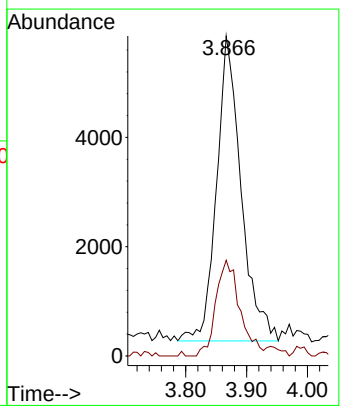


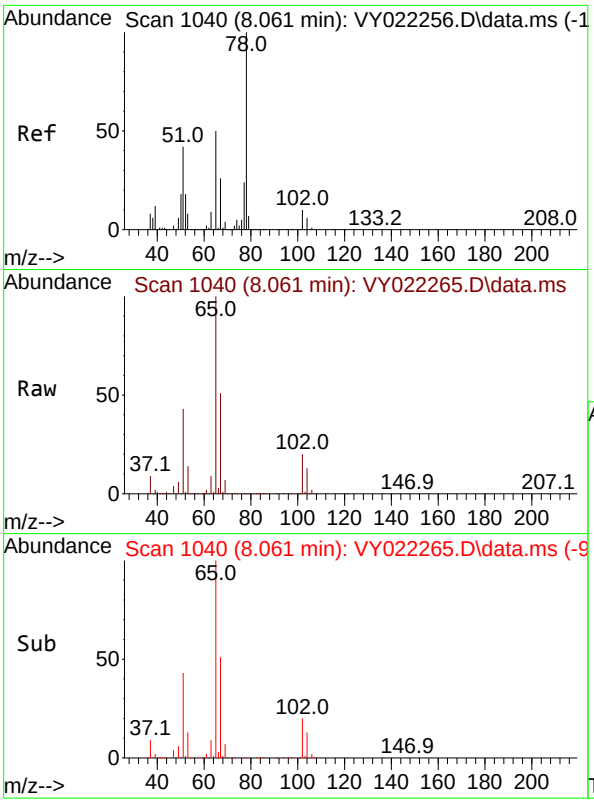


#16
Acetone
Concen: 23.200 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 43 Resp: 15631

Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.6	35.4



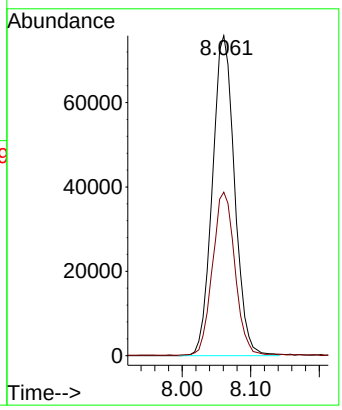


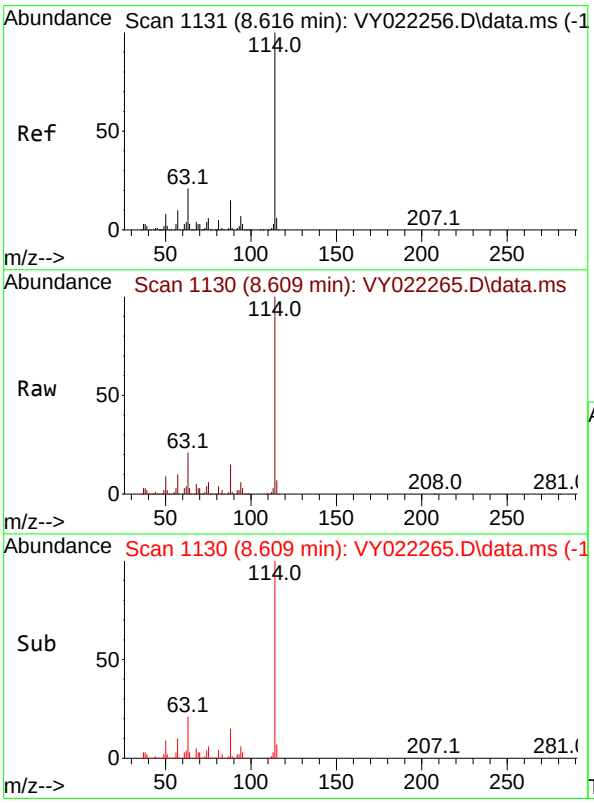
#33
1,2-Dichloroethane-d4
Concen: 47.348 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

Tgt Ion: 65 Resp: 170135

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6

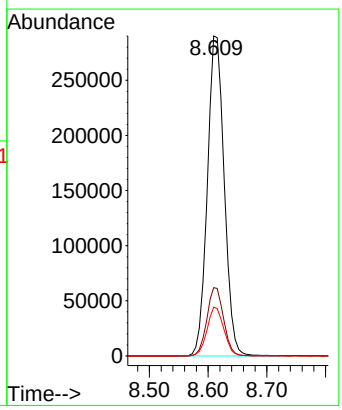


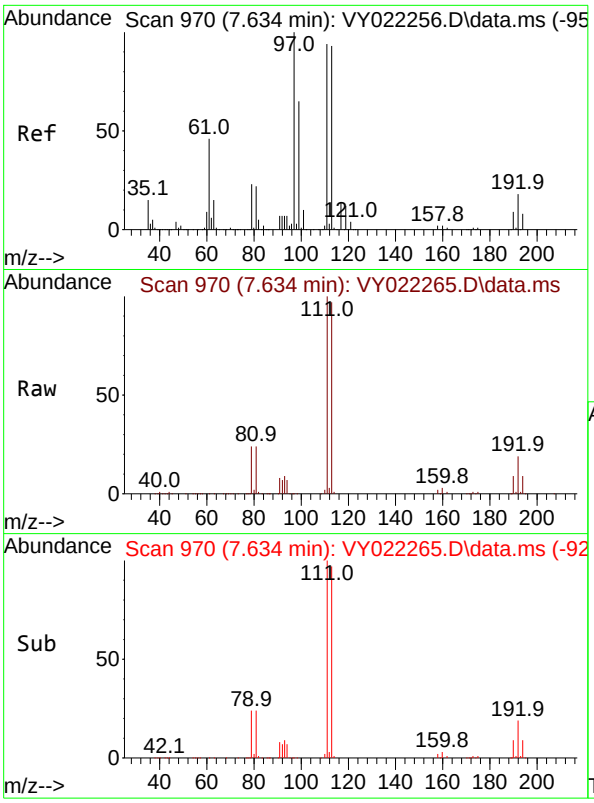


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion:114 Resp: 578595

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	15.3	0.0	29.4



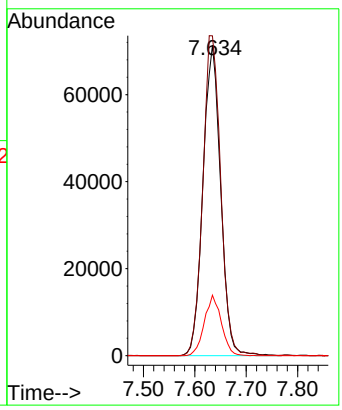


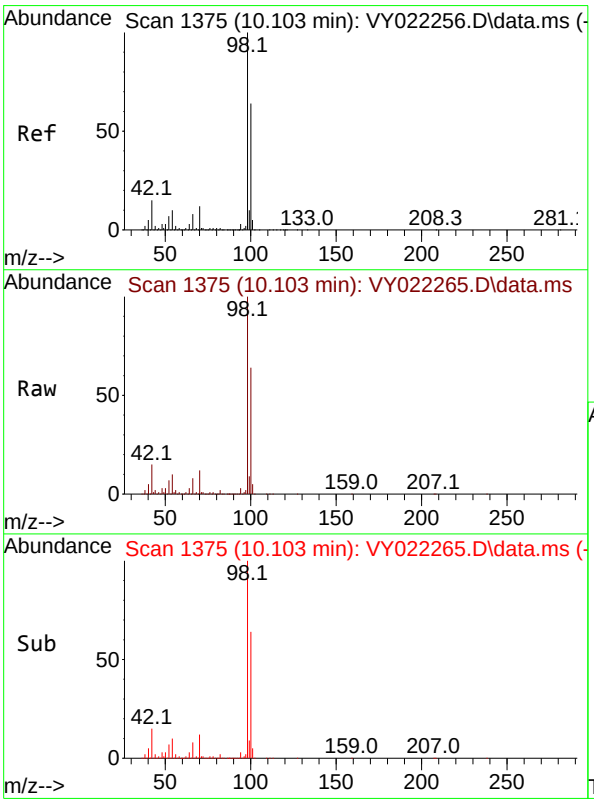
#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

Tgt Ion:113 Resp: 170320

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	123.8
192	18.8	15.2	22.8

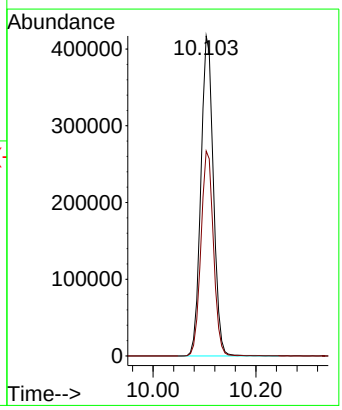


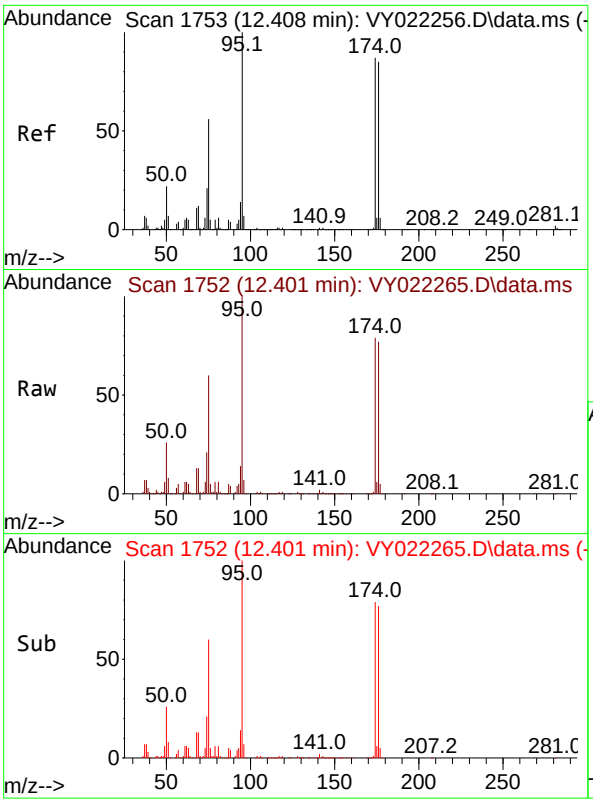


#50
Toluene-d8
Concen: 49.701 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 98 Resp: 702946

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8



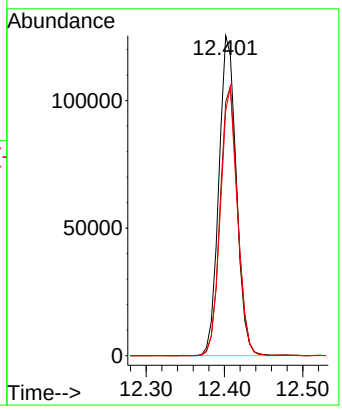


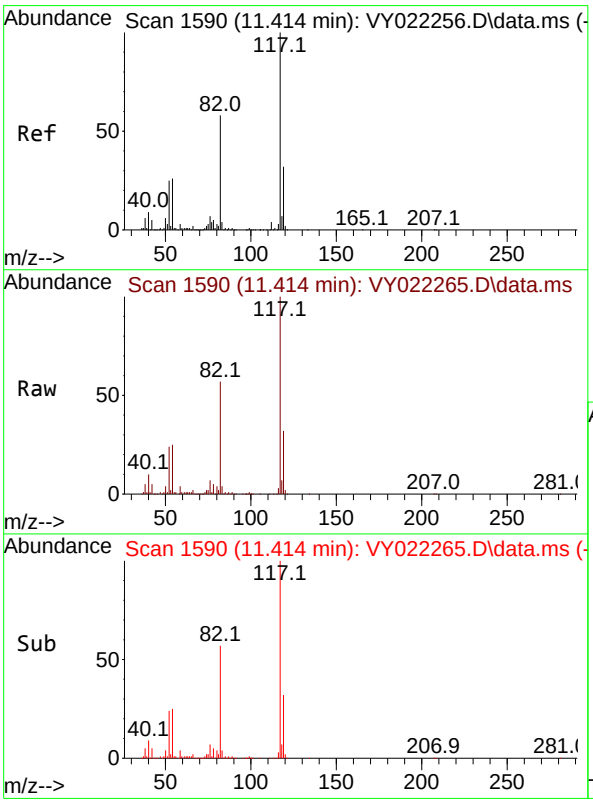
#62
4-Bromofluorobenzene
Concen: 43.344 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

Tgt Ion: 95 Resp: 194312

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	166.8
176	81.9	0.0	160.8

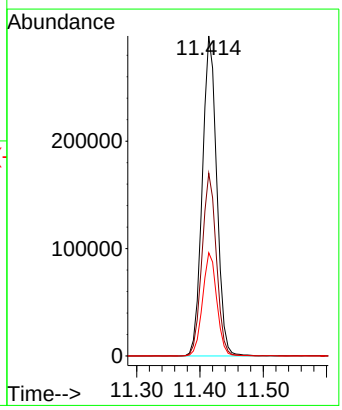


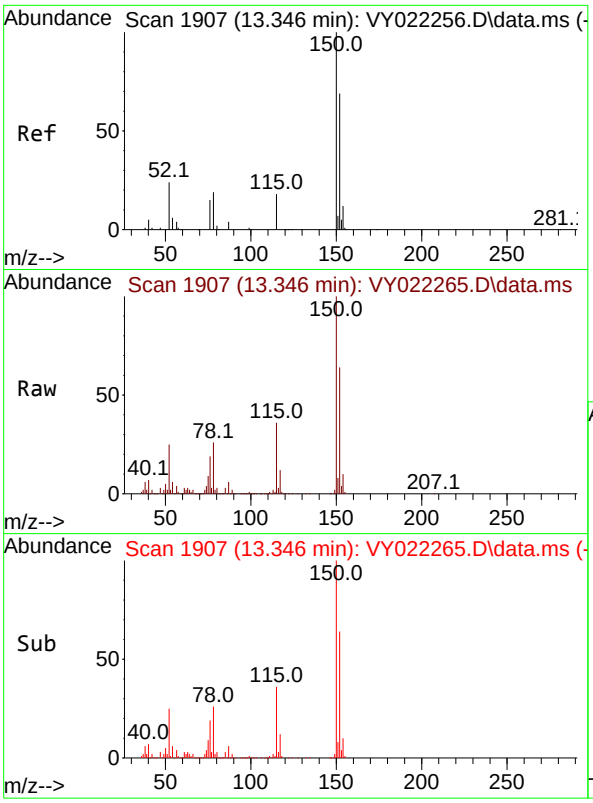


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion:117 Resp: 473987

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.6	70.0
119	32.2	25.8	38.6



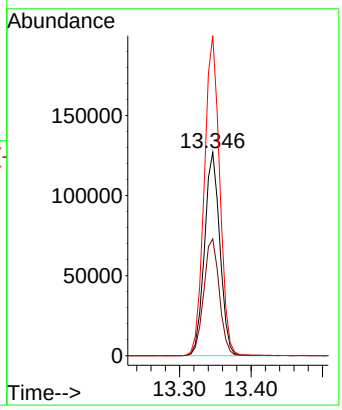


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-34-050725

Tgt Ion:152 Resp: 189383

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	157.8	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.4
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
VY022266.D	1		05/15/25 15:59	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0039	U	0.0011	0.0039	0.0048	mg/Kg
74-87-3	Chloromethane	0.0024	U	0.0011	0.0024	0.0048	mg/Kg
75-01-4	Vinyl Chloride	0.0024	U	0.00076	0.0024	0.0048	mg/Kg
74-83-9	Bromomethane	0.0039	U	0.0010	0.0039	0.0048	mg/Kg
75-00-3	Chloroethane	0.0024	U	0.0012	0.0024	0.0048	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	0.0048	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0024	U	0.0010	0.0024	0.0048	mg/Kg
75-35-4	1,1-Dichloroethene	0.0024	U	0.00097	0.0024	0.0048	mg/Kg
107-13-1	Acrylonitrile	0.012	U	0.0048	0.012	0.024	mg/Kg
67-64-1	Acetone	0.019	U	0.0046	0.019	0.024	mg/Kg
75-15-0	Carbon Disulfide	0.0039	U	0.0010	0.0039	0.0048	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0024	U	0.00071	0.0024	0.0048	mg/Kg
75-09-2	Methylene Chloride	0.0077	U	0.0034	0.0077	0.0097	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0024	U	0.00083	0.0024	0.0048	mg/Kg
75-34-3	1,1-Dichloroethane	0.0024	U	0.00077	0.0024	0.0048	mg/Kg
78-93-3	2-Butanone	0.019	U	0.0063	0.019	0.024	mg/Kg
56-23-5	Carbon Tetrachloride	0.0024	U	0.00094	0.0024	0.0048	mg/Kg
594-20-7	2,2-Dichloropropane	0.0039	U	0.0012	0.0039	0.0048	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0024	U	0.00072	0.0024	0.0048	mg/Kg
67-66-3	Chloroform	0.0039	U	0.00081	0.0039	0.0048	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0024	U	0.00090	0.0024	0.0048	mg/Kg
563-58-6	1,1-Dichloropropene	0.0024	U	0.00084	0.0024	0.0048	mg/Kg
71-43-2	Benzene	0.0024	U	0.00076	0.0024	0.0048	mg/Kg
107-06-2	1,2-Dichloroethane	0.0024	U	0.00076	0.0024	0.0048	mg/Kg
79-01-6	Trichloroethene	0.0024	U	0.00078	0.0024	0.0048	mg/Kg
78-87-5	1,2-Dichloropropane	0.0024	U	0.00088	0.0024	0.0048	mg/Kg
74-95-3	Dibromomethane	0.0024	U	0.00086	0.0024	0.0048	mg/Kg
75-27-4	Bromodichloromethane	0.0024	U	0.00075	0.0024	0.0048	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.012	U	0.0035	0.012	0.024	mg/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.4
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
VY022266.D	1		05/15/25 15:59	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0024	U	0.00075	0.0024	0.0048	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0024	U	0.00063	0.0024	0.0048	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	0.00060	0.0024	0.0048	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0024	U	0.00089	0.0024	0.0048	mg/Kg
142-28-9	1,3-Dichloropropane	0.0024	U	0.00066	0.0024	0.0048	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	0.00084	0.0024	0.0048	mg/Kg
106-93-4	1,2-Dibromoethane	0.0024	U	0.00085	0.0024	0.0048	mg/Kg
127-18-4	Tetrachloroethene	0.0024	U	0.0010	0.0024	0.0048	mg/Kg
108-90-7	Chlorobenzene	0.0024	U	0.00088	0.0024	0.0048	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0024	U	0.00074	0.0024	0.0048	mg/Kg
100-41-4	Ethyl Benzene	0.0024	U	0.00065	0.0024	0.0048	mg/Kg
179601-23-1	m/p-Xylenes	0.0048	U	0.0012	0.0048	0.0097	mg/Kg
1330-20-7	Total Xylenes	0.0072	U	0.0020	0.0072	0.015	mg/Kg
95-47-6	o-Xylene	0.0024	U	0.00079	0.0024	0.0048	mg/Kg
100-42-5	Styrene	0.0024	U	0.00069	0.0024	0.0048	mg/Kg
75-25-2	Bromoform	0.0024	U	0.00083	0.0024	0.0048	mg/Kg
98-82-8	Isopropylbenzene	0.0024	U	0.00075	0.0024	0.0048	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	0.0012	0.0024	0.0048	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0039	U	0.0012	0.0039	0.0048	mg/Kg
108-86-1	Bromobenzene	0.0024	U	0.0012	0.0024	0.0048	mg/Kg
103-65-1	n-propylbenzene	0.0024	U	0.00071	0.0024	0.0048	mg/Kg
95-49-8	2-Chlorotoluene	0.0024	U	0.00066	0.0024	0.0048	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0024	U	0.00079	0.0024	0.0048	mg/Kg
106-43-4	4-Chlorotoluene	0.0024	U	0.0012	0.0024	0.0048	mg/Kg
98-06-6	tert-Butylbenzene	0.0024	U	0.00065	0.0024	0.0048	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0024	U	0.00062	0.0024	0.0048	mg/Kg
135-98-8	sec-Butylbenzene	0.0024	U	0.00064	0.0024	0.0048	mg/Kg
99-87-6	p-Isopropyltoluene	0.0024	U	0.00060	0.0024	0.0048	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0024	U	0.0017	0.0024	0.0048	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0024	U	0.0015	0.0024	0.0048	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.4
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
VY022266.D	1		05/15/25 15:59	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0024	U	0.0014	0.0024	0.0048	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0024	U	0.0014	0.0024	0.0048	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0039	U	0.0018	0.0039	0.0048	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0039	U	0.0029	0.0039	0.0048	mg/Kg
87-68-3	Hexachlorobutadiene	0.0024	U	0.0018	0.0024	0.0048	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0039	U	0.0031	0.0039	0.0048	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0024	U	0.0010	0.0024	0.0048	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.0		71 - 136		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		78 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.6		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		79 - 119		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	326000	7.707				
540-36-3	1,4-Difluorobenzene	580000	8.616				
3114-55-4	Chlorobenzene-d5	461000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	169000	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\VY051525\
Data File : VY022266.D
Acq On : 15 May 2025 15:59
Operator : SY/MD
Sample : Q1984-05
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-35-050725

Quant Time: May 16 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

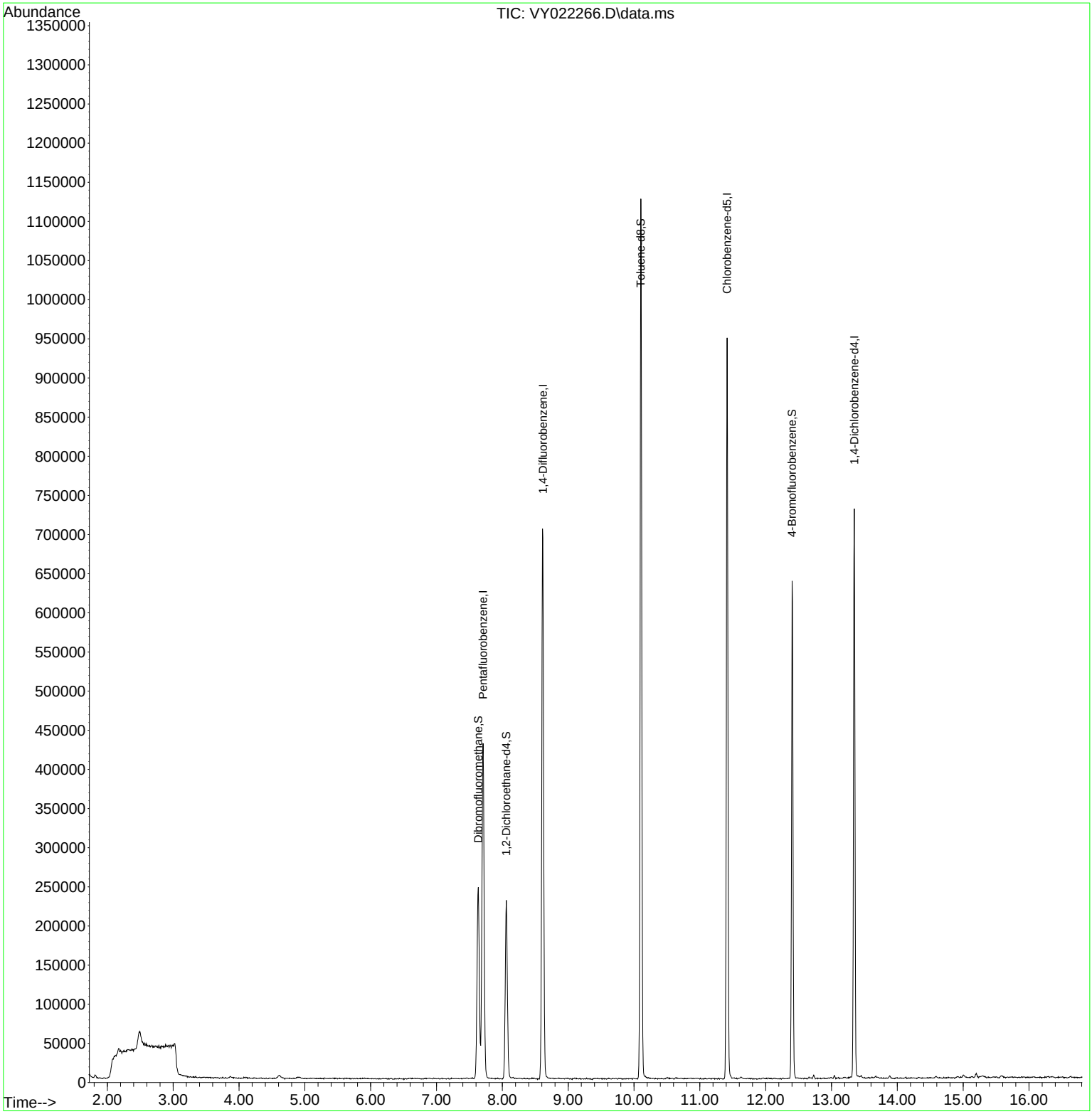
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	325803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	579791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	460550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170915	48.000	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.000%		
35) Dibromofluoromethane	7.634	113	170283	49.207	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.420%		
50) Toluene-d8	10.103	98	688618	48.587	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.180%		
62) 4-Bromofluorobenzene	12.402	95	181953	40.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.000%		
Target Compounds						Qvalue

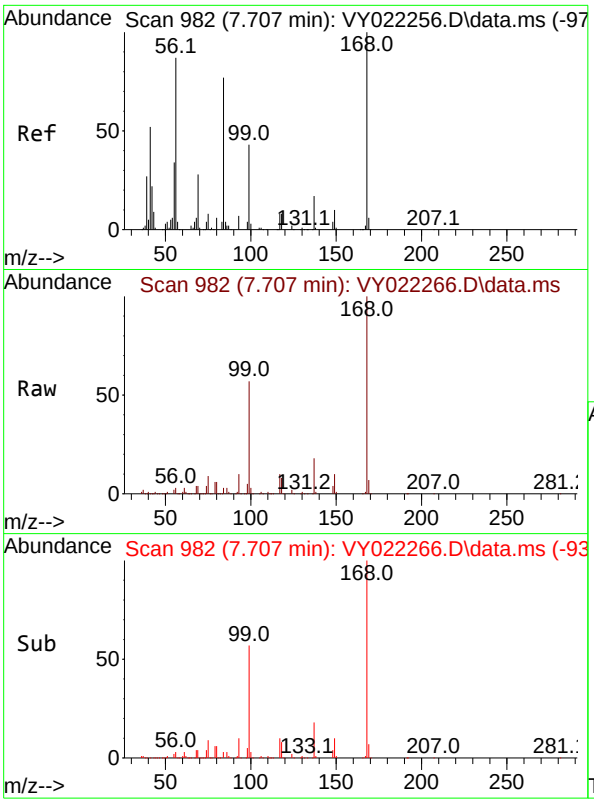
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022266.D
Acq On : 15 May 2025 15:59
Operator : SY/MD
Sample : Q1984-05
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-35-050725

Quant Time: May 16 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



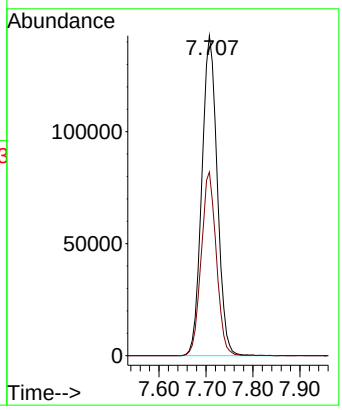


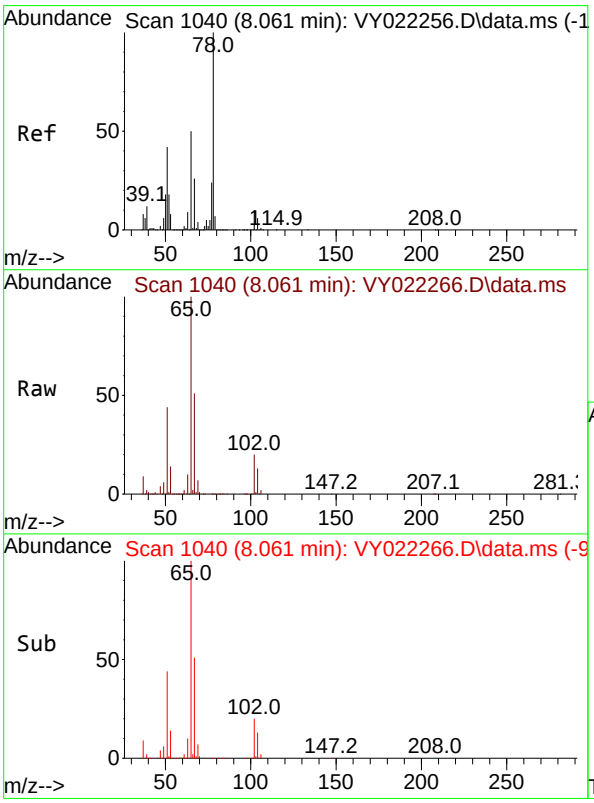
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-35-050725

Tgt Ion:168 Resp: 325803

Ion	Ratio	Lower	Upper
168	100		
99	57.4	44.2	66.4

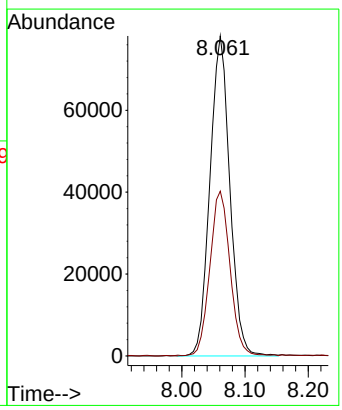


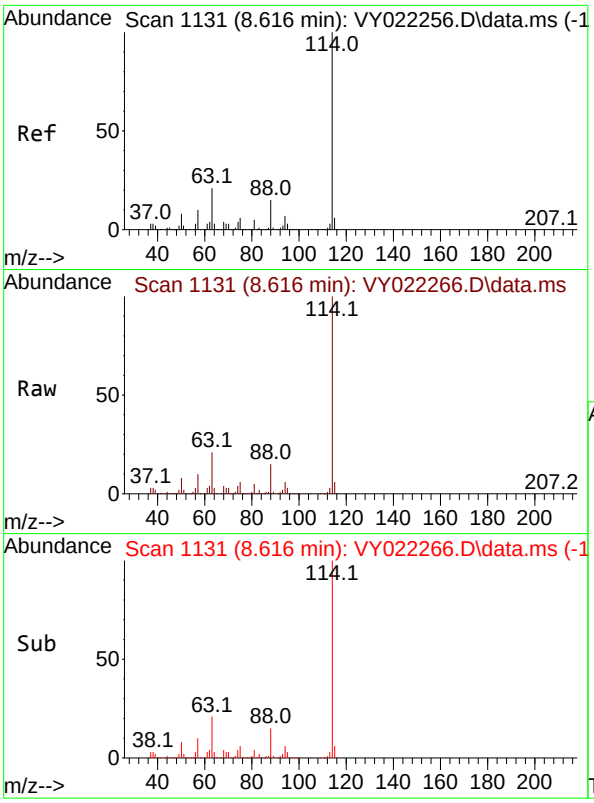


#33
1,2-Dichloroethane-d4
Concen: 48.000 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Tgt Ion: 65 Resp: 170915

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6



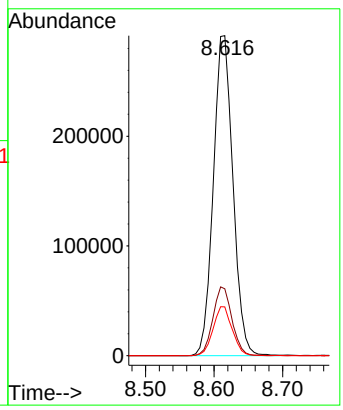


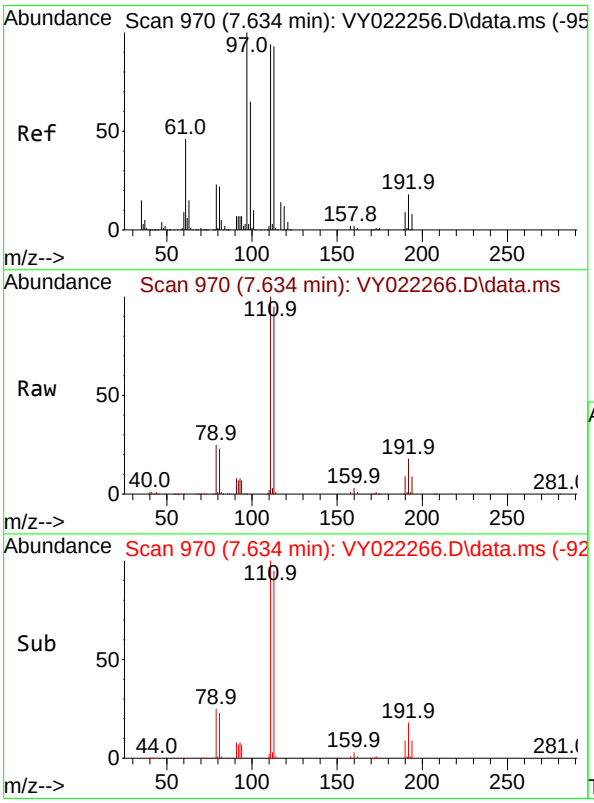
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-35-050725

Tgt Ion:114 Resp: 579791

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.0
88	15.3	0.0	29.4

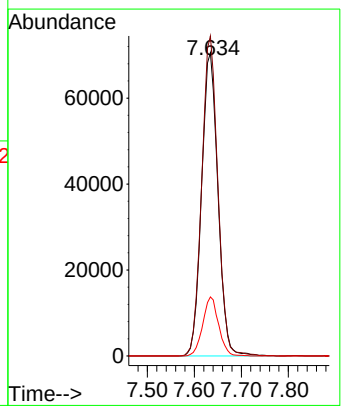


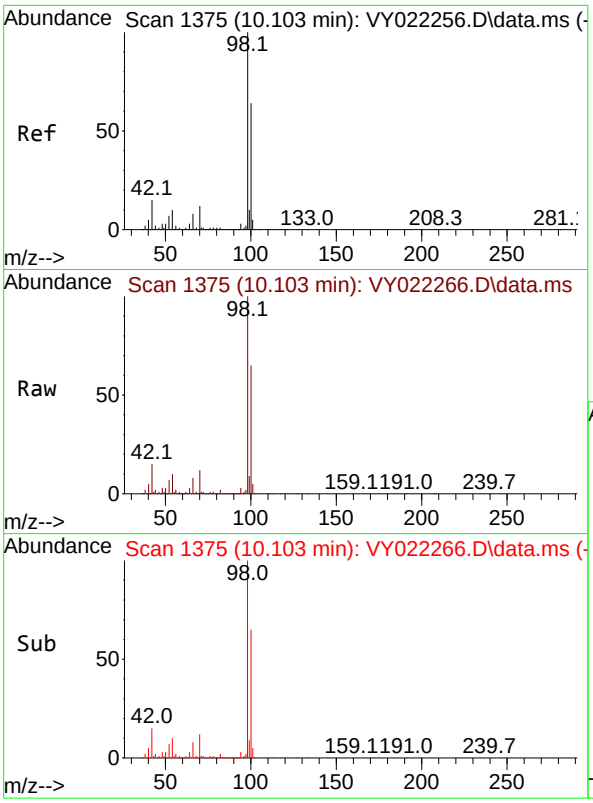


#35
Dibromofluoromethane
Concen: 49.207 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Tgt Ion:113 Resp: 170283

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	18.9	15.2	22.8



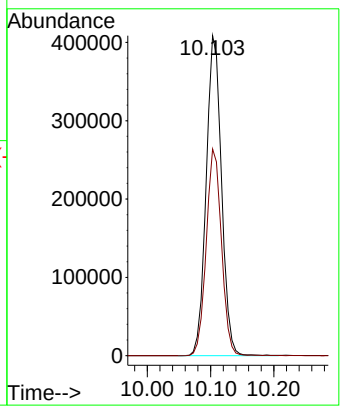


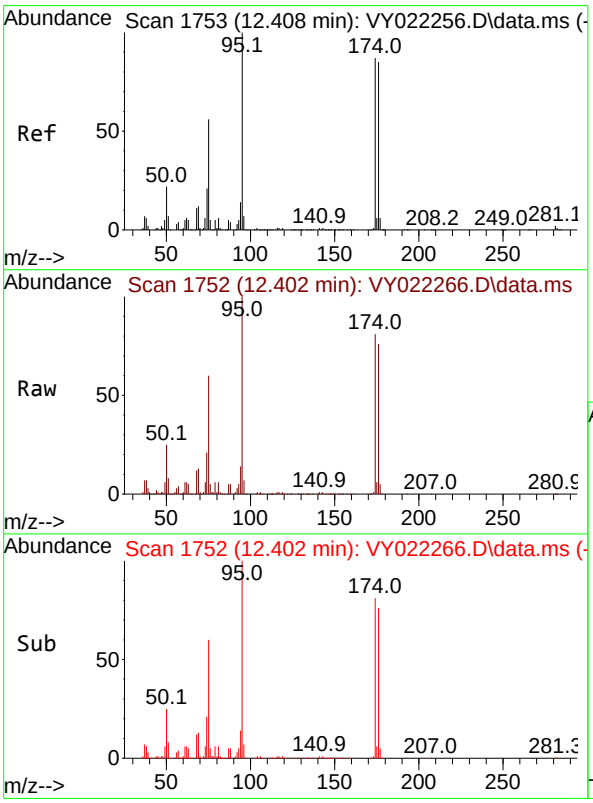
#50
Toluene-d8
Concen: 48.587 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-35-050725

Tgt Ion: 98 Resp: 688618

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

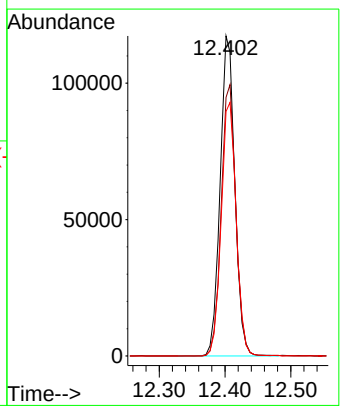


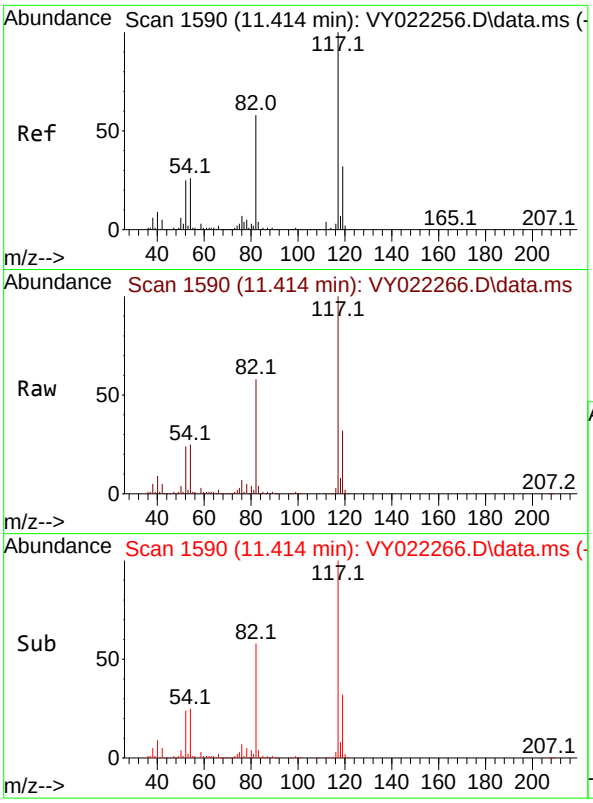


#62
4-Bromofluorobenzene
Concen: 40.503 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Tgt Ion: 95 Resp: 181953

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	166.8
176	80.8	0.0	160.8



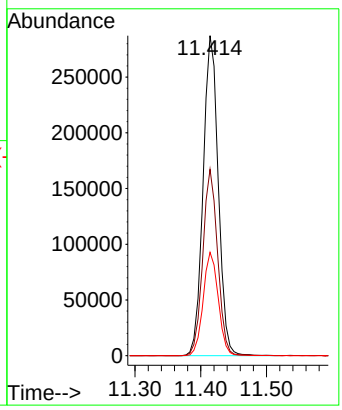


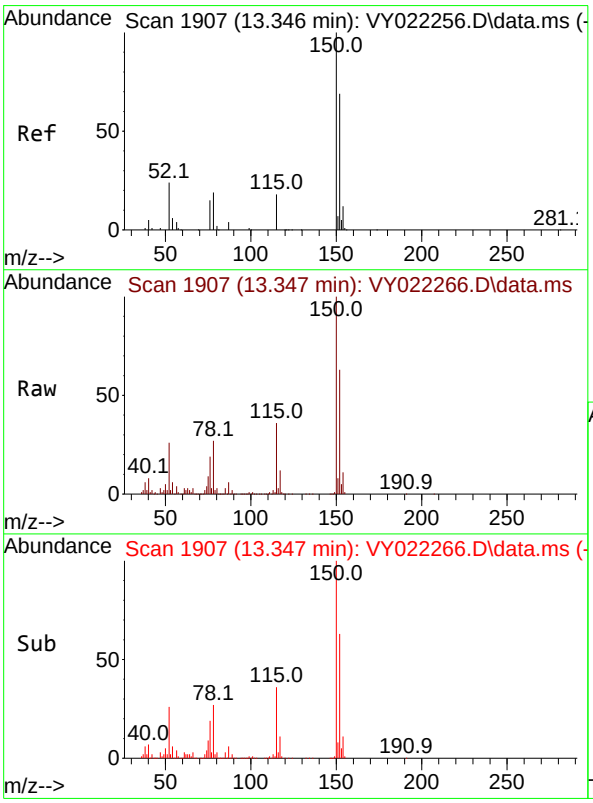
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-35-050725

Tgt Ion:117 Resp: 460550

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.6	70.0
119	32.3	25.8	38.6

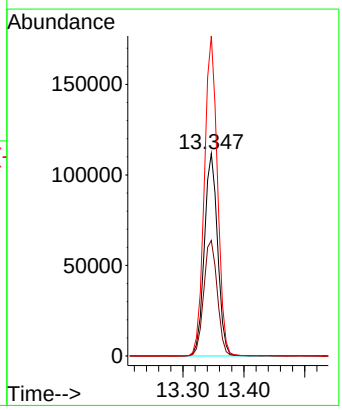




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022266.D
Acq: 15 May 2025 15:59

Tgt Ion:152 Resp: 168641

Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.4	88.2
150	156.8	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	69.7
Sample Wt/Vol:	2.85 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
VY022267.D	1		05/15/25 16:22	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.010	U	0.0029	0.010	0.013	mg/Kg
74-87-3	Chloromethane	0.0063	U	0.0029	0.0063	0.013	mg/Kg
75-01-4	Vinyl Chloride	0.0063	U	0.0020	0.0063	0.013	mg/Kg
74-83-9	Bromomethane	0.010	U	0.0027	0.010	0.013	mg/Kg
75-00-3	Chloroethane	0.0063	U	0.0032	0.0063	0.013	mg/Kg
109-99-9	Tetrahydrofuran	0.032	U	0.012	0.032	0.063	mg/Kg
75-69-4	Trichlorofluoromethane	0.010	U	0.0030	0.010	0.013	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0063	U	0.0027	0.0063	0.013	mg/Kg
75-35-4	1,1-Dichloroethene	0.0063	U	0.0025	0.0063	0.013	mg/Kg
107-13-1	Acrylonitrile	0.032	U	0.013	0.032	0.063	mg/Kg
67-64-1	Acetone	0.050	U	0.012	0.050	0.063	mg/Kg
75-15-0	Carbon Disulfide	0.010	U	0.0027	0.010	0.013	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0063	U	0.0018	0.0063	0.013	mg/Kg
75-09-2	Methylene Chloride	0.020	U	0.0089	0.020	0.025	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0063	U	0.0022	0.0063	0.013	mg/Kg
75-34-3	1,1-Dichloroethane	0.0063	U	0.0020	0.0063	0.013	mg/Kg
78-93-3	2-Butanone	0.050	U	0.017	0.050	0.063	mg/Kg
56-23-5	Carbon Tetrachloride	0.0063	U	0.0024	0.0063	0.013	mg/Kg
594-20-7	2,2-Dichloropropane	0.010	U	0.0032	0.010	0.013	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0063	U	0.0019	0.0063	0.013	mg/Kg
67-66-3	Chloroform	0.010	U	0.0021	0.010	0.013	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0063	U	0.0023	0.0063	0.013	mg/Kg
563-58-6	1,1-Dichloropropene	0.0063	U	0.0022	0.0063	0.013	mg/Kg
71-43-2	Benzene	0.0063	U	0.0020	0.0063	0.013	mg/Kg
107-06-2	1,2-Dichloroethane	0.0063	U	0.0020	0.0063	0.013	mg/Kg
79-01-6	Trichloroethene	0.0063	U	0.0020	0.0063	0.013	mg/Kg
78-87-5	1,2-Dichloropropane	0.0063	U	0.0023	0.0063	0.013	mg/Kg
74-95-3	Dibromomethane	0.0063	U	0.0022	0.0063	0.013	mg/Kg
75-27-4	Bromodichloromethane	0.0063	U	0.0020	0.0063	0.013	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.032	U	0.0090	0.032	0.063	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	69.7
Sample Wt/Vol:	2.85 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
VY022267.D	1		05/15/25 16:22	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0063	U	0.0020	0.0063	0.013	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0063	U	0.0016	0.0063	0.013	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0063	U	0.0016	0.0063	0.013	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0063	U	0.0023	0.0063	0.013	mg/Kg
142-28-9	1,3-Dichloropropane	0.0063	U	0.0017	0.0063	0.013	mg/Kg
591-78-6	2-Hexanone	0.032	U	0.0093	0.032	0.063	mg/Kg
124-48-1	Dibromochloromethane	0.0063	U	0.0022	0.0063	0.013	mg/Kg
106-93-4	1,2-Dibromoethane	0.0063	U	0.0022	0.0063	0.013	mg/Kg
127-18-4	Tetrachloroethene	0.0063	U	0.0026	0.0063	0.013	mg/Kg
108-90-7	Chlorobenzene	0.0063	U	0.0023	0.0063	0.013	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0063	U	0.0019	0.0063	0.013	mg/Kg
100-41-4	Ethyl Benzene	0.0063	U	0.0017	0.0063	0.013	mg/Kg
179601-23-1	m/p-Xylenes	0.013	U	0.0031	0.013	0.025	mg/Kg
1330-20-7	Total Xylenes	0.019	U	0.0052	0.019	0.038	mg/Kg
95-47-6	o-Xylene	0.0063	U	0.0021	0.0063	0.013	mg/Kg
100-42-5	Styrene	0.0063	U	0.0018	0.0063	0.013	mg/Kg
75-25-2	Bromoform	0.0063	U	0.0022	0.0063	0.013	mg/Kg
98-82-8	Isopropylbenzene	0.0063	U	0.0020	0.0063	0.013	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0063	U	0.0030	0.0063	0.013	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.010	U	0.0031	0.010	0.013	mg/Kg
108-86-1	Bromobenzene	0.0063	U	0.0030	0.0063	0.013	mg/Kg
103-65-1	n-propylbenzene	0.0063	U	0.0018	0.0063	0.013	mg/Kg
95-49-8	2-Chlorotoluene	0.0063	U	0.0017	0.0063	0.013	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0063	U	0.0021	0.0063	0.013	mg/Kg
106-43-4	4-Chlorotoluene	0.0063	U	0.0031	0.0063	0.013	mg/Kg
98-06-6	tert-Butylbenzene	0.0063	U	0.0017	0.0063	0.013	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0063	U	0.0016	0.0063	0.013	mg/Kg
135-98-8	sec-Butylbenzene	0.0063	U	0.0017	0.0063	0.013	mg/Kg
99-87-6	p-Isopropyltoluene	0.0063	U	0.0016	0.0063	0.013	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0063	U	0.0043	0.0063	0.013	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0063	U	0.0039	0.0063	0.013	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	69.7
Sample Wt/Vol:	2.85 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
VY022267.D	1		05/15/25 16:22	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0063	U	0.0036	0.0063	0.013	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0063	U	0.0036	0.0063	0.013	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.0046	0.010	0.013	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.010	U	0.0075	0.010	0.013	mg/Kg
87-68-3	Hexachlorobutadiene	0.0063	U	0.0048	0.0063	0.013	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.010	U	0.0080	0.010	0.013	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0063	U	0.0027	0.0063	0.013	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.0		71 - 136		88%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		78 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.2		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.9	*	79 - 119		64%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	338000	7.707				
540-36-3	1,4-Difluorobenzene	583000	8.616				
3114-55-4	Chlorobenzene-d5	417000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	113000	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\VY051525\
Data File : VY022267.D
Acq On : 15 May 2025 16:22
Operator : SY/MD
Sample : Q1984-07
Misc : 2.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

Quant Time: May 16 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

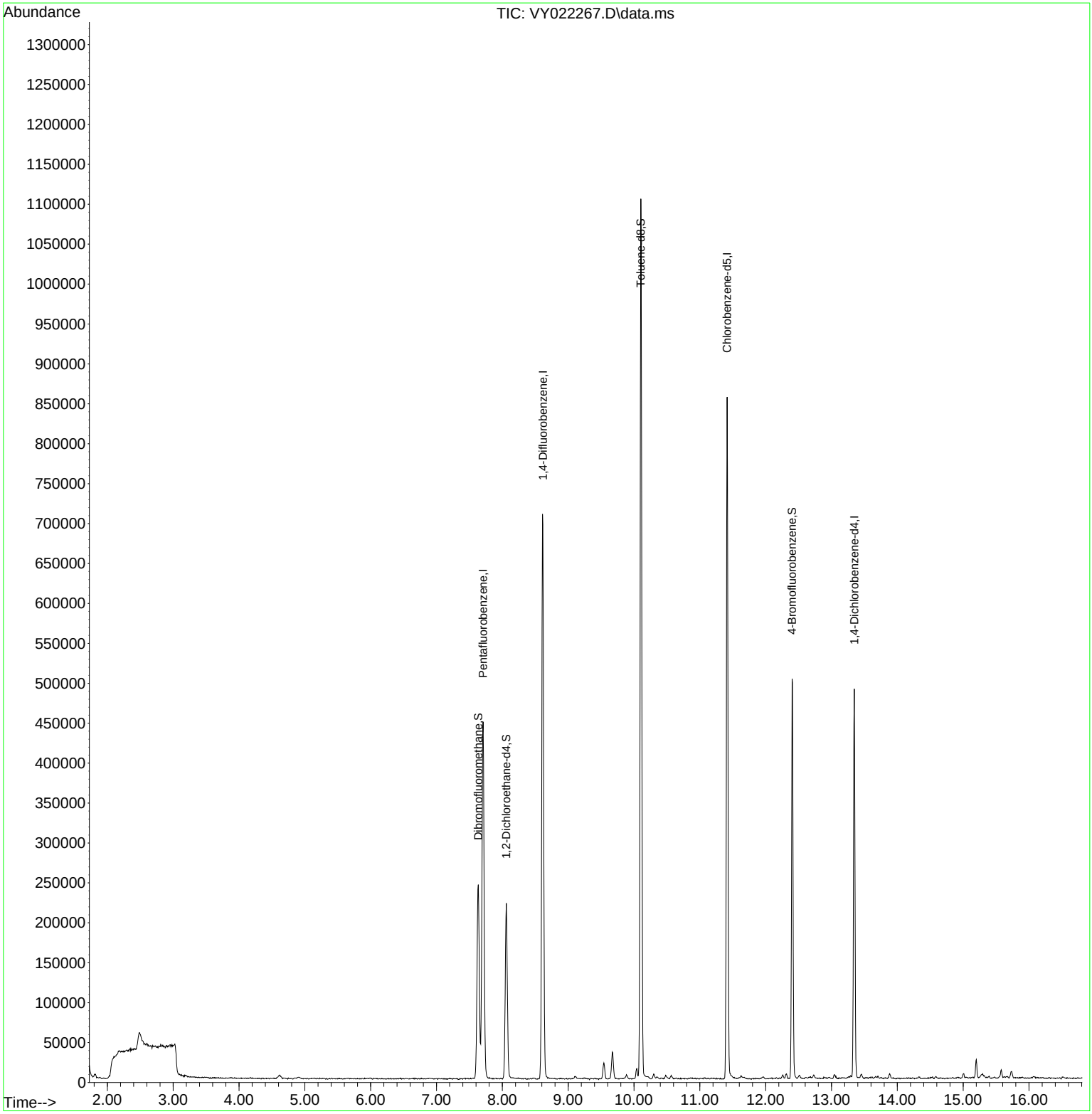
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	338191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	583353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162770	44.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.080%		
35) Dibromofluoromethane	7.634	113	170879	49.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.160%		
50) Toluene-d8	10.103	98	687979	48.246	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.500%		
62) 4-Bromofluorobenzene	12.401	95	144029	31.866	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	63.740%		
Target Compounds						Qvalue

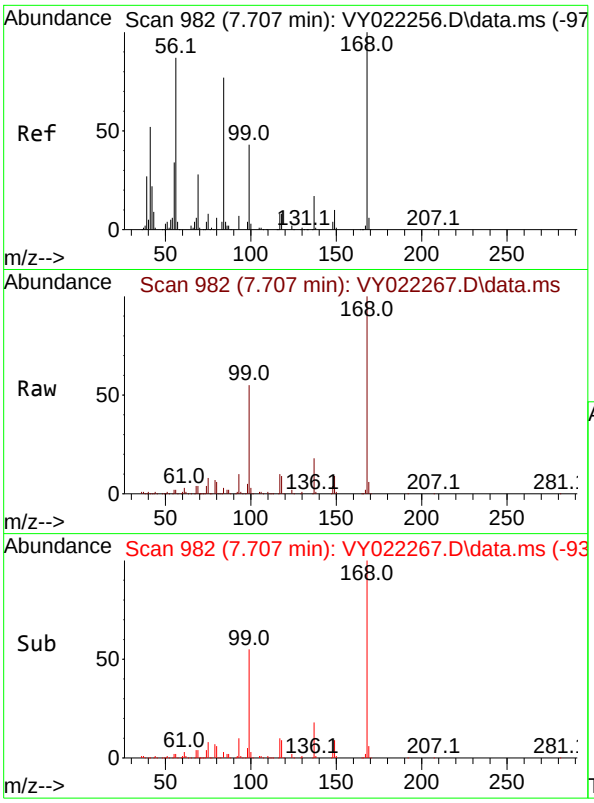
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022267.D
Acq On : 15 May 2025 16:22
Operator : SY/MD
Sample : Q1984-07
Misc : 2.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

Quant Time: May 16 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



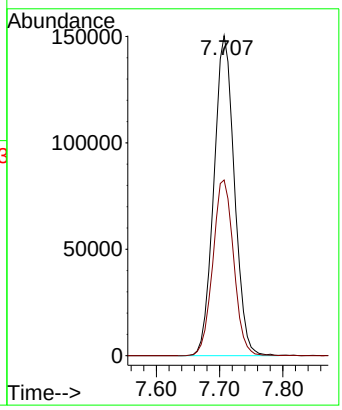


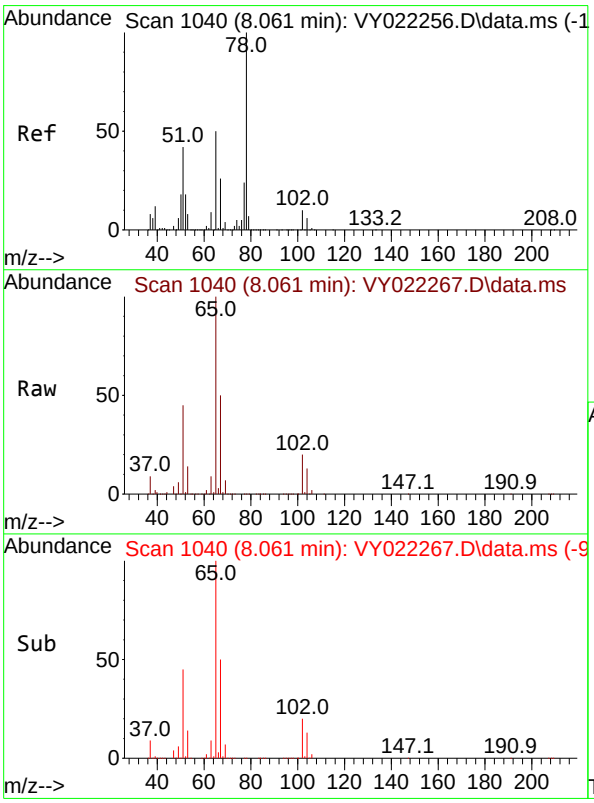
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

Tgt Ion:168 Resp: 338191

Ion	Ratio	Lower	Upper
168	100		
99	54.9	44.2	66.4

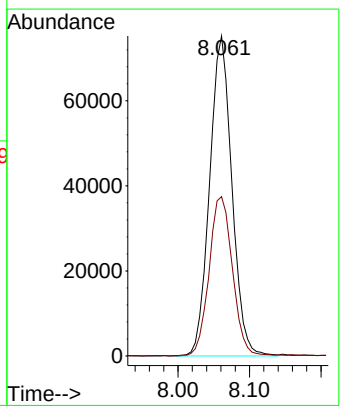


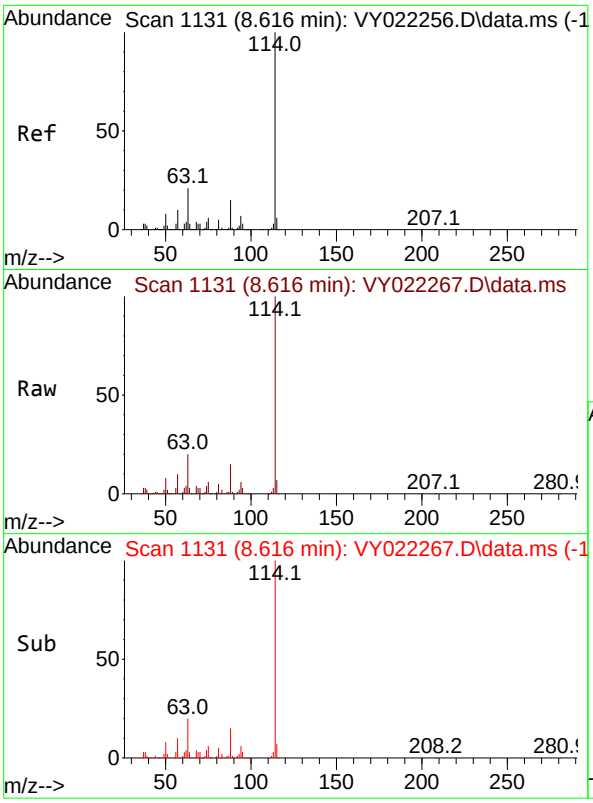


#33
1,2-Dichloroethane-d4
Concen: 44.038 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion: 65 Resp: 162770

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6



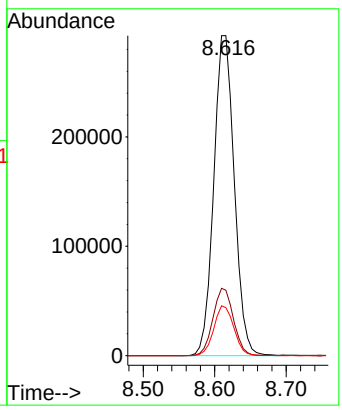


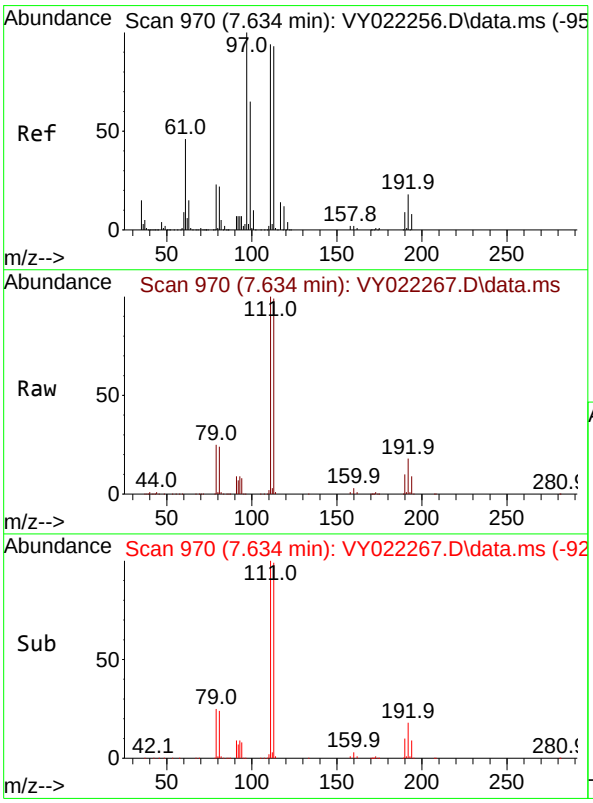
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

Tgt Ion:114 Resp: 583353

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	15.0	0.0	29.4

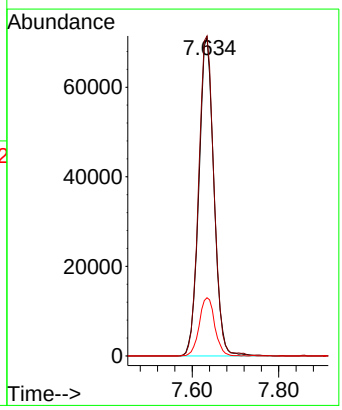


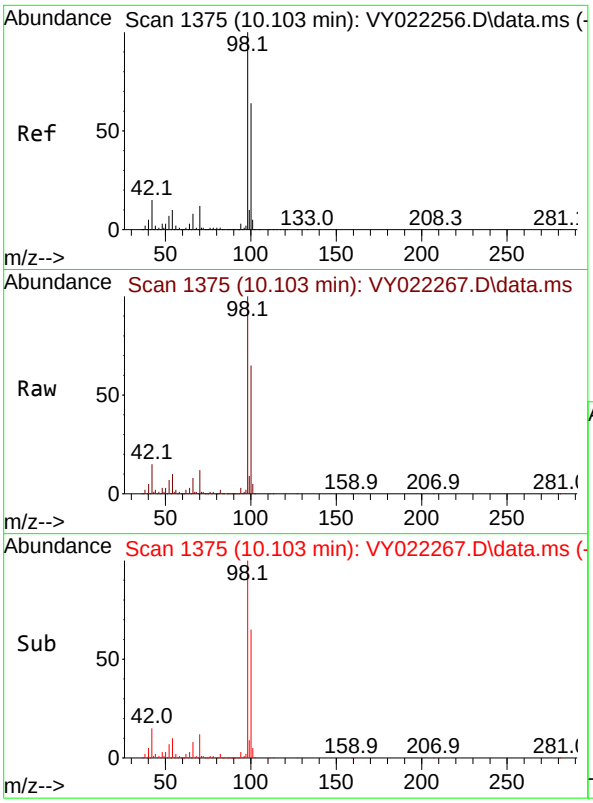


#35
Dibromofluoromethane
Concen: 49.078 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion:113 Resp: 170879

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	18.9	15.2	22.8



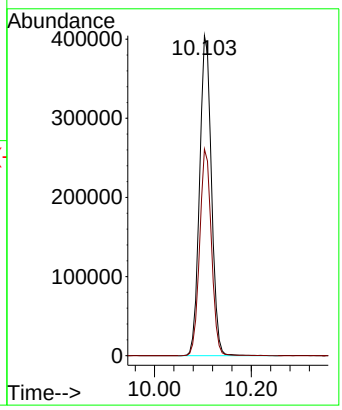


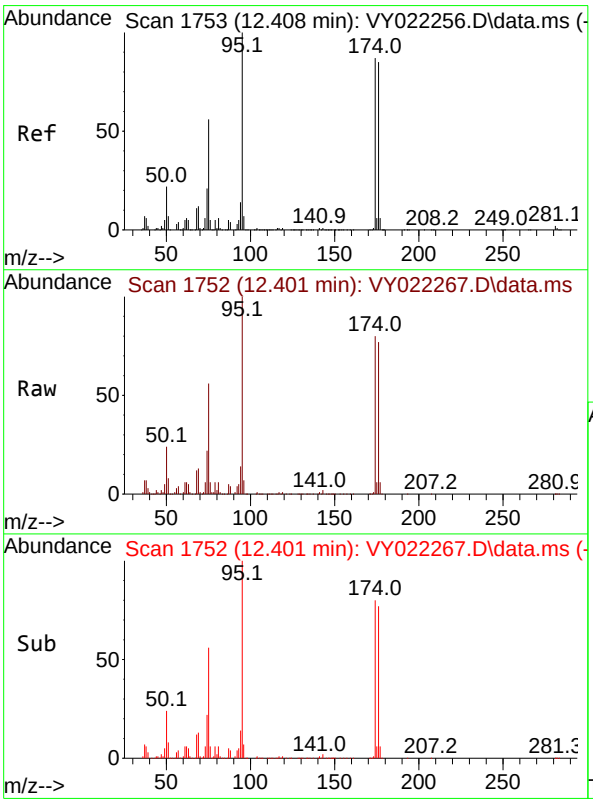
#50
Toluene-d8
Concen: 48.246 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

Tgt Ion: 98 Resp: 687979

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8

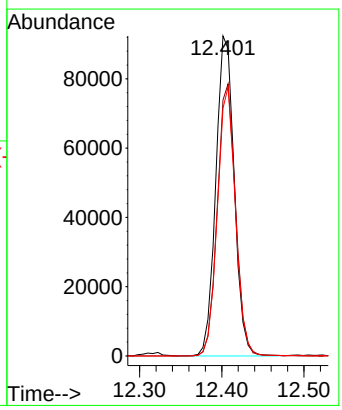


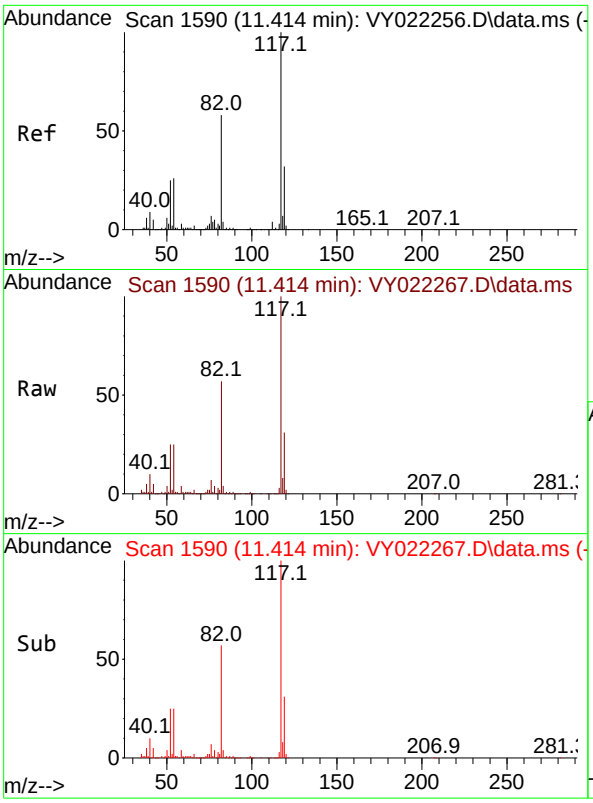


#62
4-Bromofluorobenzene
Concen: 31.866 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion: 95 Resp: 144029

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	166.8
176	82.2	0.0	160.8



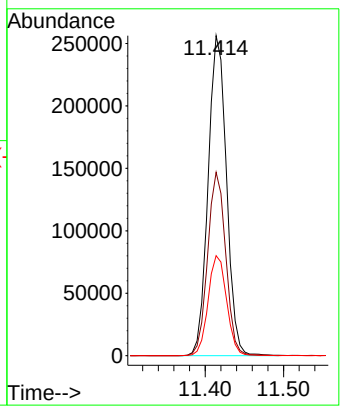


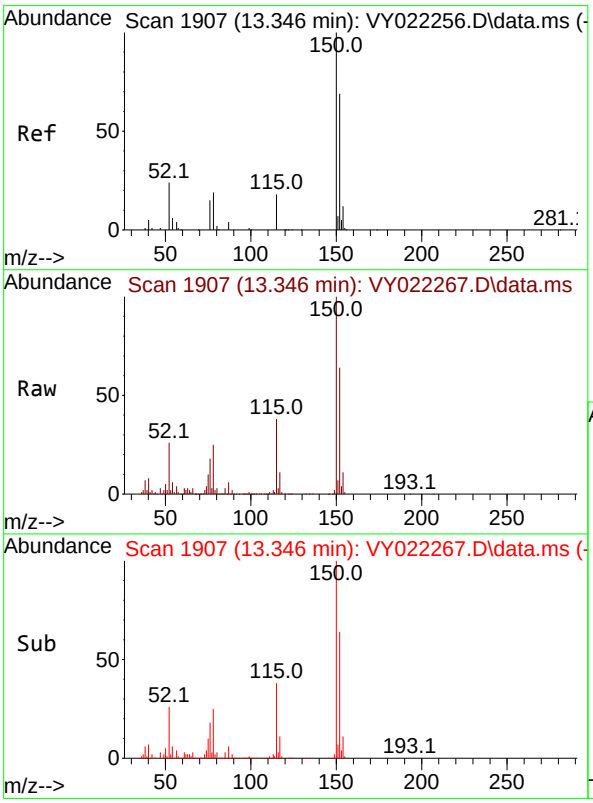
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725

Tgt Ion:117 Resp: 417105

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.6	70.0
119	31.3	25.8	38.6

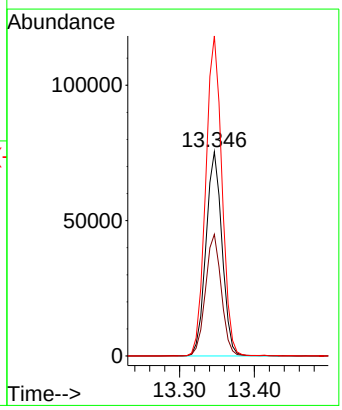




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022267.D
Acq: 15 May 2025 16:22

Tgt Ion:152 Resp: 112628

Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.4	88.2
150	158.2	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725RE	SDG No.:	Q1984
Lab Sample ID:	Q1984-07RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	69.7
Sample Wt/Vol:	2.93 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
VY022281.D	1		05/16/25 11:17	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0098	U	0.0028	0.0098	0.012	mg/Kg
74-87-3	Chloromethane	0.0061	U	0.0028	0.0061	0.012	mg/Kg
75-01-4	Vinyl Chloride	0.0061	U	0.0019	0.0061	0.012	mg/Kg
74-83-9	Bromomethane	0.0098	U	0.0026	0.0098	0.012	mg/Kg
75-00-3	Chloroethane	0.0061	U	0.0031	0.0061	0.012	mg/Kg
109-99-9	Tetrahydrofuran	0.031	U	0.011	0.031	0.061	mg/Kg
75-69-4	Trichlorofluoromethane	0.0098	U	0.0030	0.0098	0.012	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0061	U	0.0026	0.0061	0.012	mg/Kg
75-35-4	1,1-Dichloroethene	0.0061	U	0.0024	0.0061	0.012	mg/Kg
107-13-1	Acrylonitrile	0.031	U	0.012	0.031	0.061	mg/Kg
67-64-1	Acetone	0.049	U	0.012	0.049	0.061	mg/Kg
75-15-0	Carbon Disulfide	0.0098	U	0.0026	0.0098	0.012	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0061	U	0.0018	0.0061	0.012	mg/Kg
75-09-2	Methylene Chloride	0.020	U	0.0086	0.020	0.025	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0061	U	0.0021	0.0061	0.012	mg/Kg
75-34-3	1,1-Dichloroethane	0.0061	U	0.0020	0.0061	0.012	mg/Kg
78-93-3	2-Butanone	0.049	U	0.016	0.049	0.061	mg/Kg
56-23-5	Carbon Tetrachloride	0.0061	U	0.0024	0.0061	0.012	mg/Kg
594-20-7	2,2-Dichloropropane	0.0098	U	0.0031	0.0098	0.012	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0061	U	0.0018	0.0061	0.012	mg/Kg
67-66-3	Chloroform	0.0098	U	0.0021	0.0098	0.012	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0061	U	0.0023	0.0061	0.012	mg/Kg
563-58-6	1,1-Dichloropropene	0.0061	U	0.0021	0.0061	0.012	mg/Kg
71-43-2	Benzene	0.0061	U	0.0019	0.0061	0.012	mg/Kg
107-06-2	1,2-Dichloroethane	0.0061	U	0.0019	0.0061	0.012	mg/Kg
79-01-6	Trichloroethene	0.0061	U	0.0020	0.0061	0.012	mg/Kg
78-87-5	1,2-Dichloropropane	0.0061	U	0.0022	0.0061	0.012	mg/Kg
74-95-3	Dibromomethane	0.0061	U	0.0022	0.0061	0.012	mg/Kg
75-27-4	Bromodichloromethane	0.0061	U	0.0019	0.0061	0.012	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.031	U	0.0088	0.031	0.061	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725RE	SDG No.:	Q1984
Lab Sample ID:	Q1984-07RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	69.7
Sample Wt/Vol:	2.93 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
VY022281.D	1		05/16/25 11:17	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0061	U	0.0019	0.0061	0.012	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0061	U	0.0016	0.0061	0.012	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0061	U	0.0015	0.0061	0.012	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0061	U	0.0023	0.0061	0.012	mg/Kg
142-28-9	1,3-Dichloropropane	0.0061	U	0.0017	0.0061	0.012	mg/Kg
591-78-6	2-Hexanone	0.031	U	0.0090	0.031	0.061	mg/Kg
124-48-1	Dibromochloromethane	0.0061	U	0.0021	0.0061	0.012	mg/Kg
106-93-4	1,2-Dibromoethane	0.0061	U	0.0022	0.0061	0.012	mg/Kg
127-18-4	Tetrachloroethene	0.0061	U	0.0026	0.0061	0.012	mg/Kg
108-90-7	Chlorobenzene	0.0061	U	0.0022	0.0061	0.012	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0061	U	0.0019	0.0061	0.012	mg/Kg
100-41-4	Ethyl Benzene	0.0061	U	0.0016	0.0061	0.012	mg/Kg
179601-23-1	m/p-Xylenes	0.012	U	0.0030	0.012	0.025	mg/Kg
1330-20-7	Total Xylenes	0.018	U	0.0050	0.018	0.037	mg/Kg
95-47-6	o-Xylene	0.0061	U	0.0020	0.0061	0.012	mg/Kg
100-42-5	Styrene	0.0061	U	0.0017	0.0061	0.012	mg/Kg
75-25-2	Bromoform	0.0061	U	0.0021	0.0061	0.012	mg/Kg
98-82-8	Isopropylbenzene	0.0061	U	0.0019	0.0061	0.012	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0061	U	0.0030	0.0061	0.012	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0098	U	0.0030	0.0098	0.012	mg/Kg
108-86-1	Bromobenzene	0.0061	U	0.0029	0.0061	0.012	mg/Kg
103-65-1	n-propylbenzene	0.0061	U	0.0018	0.0061	0.012	mg/Kg
95-49-8	2-Chlorotoluene	0.0061	U	0.0017	0.0061	0.012	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0061	U	0.0020	0.0061	0.012	mg/Kg
106-43-4	4-Chlorotoluene	0.0061	U	0.0030	0.0061	0.012	mg/Kg
98-06-6	tert-Butylbenzene	0.0061	U	0.0016	0.0061	0.012	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0061	U	0.0016	0.0061	0.012	mg/Kg
135-98-8	sec-Butylbenzene	0.0061	U	0.0016	0.0061	0.012	mg/Kg
99-87-6	p-Isopropyltoluene	0.0061	U	0.0015	0.0061	0.012	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0061	U	0.0042	0.0061	0.012	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0061	U	0.0038	0.0061	0.012	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725RE	SDG No.:	Q1984
Lab Sample ID:	Q1984-07RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	69.7
Sample Wt/Vol:	2.93 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
VY022281.D	1		05/16/25 11:17	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0061	U	0.0036	0.0061	0.012	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0061	U	0.0036	0.0061	0.012	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0098	U	0.0045	0.0098	0.012	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0098	U	0.0073	0.0098	0.012	mg/Kg
87-68-3	Hexachlorobutadiene	0.0061	U	0.0047	0.0061	0.012	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0098	U	0.0078	0.0098	0.012	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0061	U	0.0026	0.0061	0.012	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.7		71 - 136		89%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.2		85 - 116		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.5	*	79 - 119		75%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	291000	7.707				
540-36-3	1,4-Difluorobenzene	507000	8.615				
3114-55-4	Chlorobenzene-d5	348000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	87000	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\VY051625\
Data File : VY022281.D
Acq On : 16 May 2025 11:17
Operator : SY/MD
Sample : Q1984-07RE
Misc : 2.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725RE

Quant Time: May 17 01:30:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

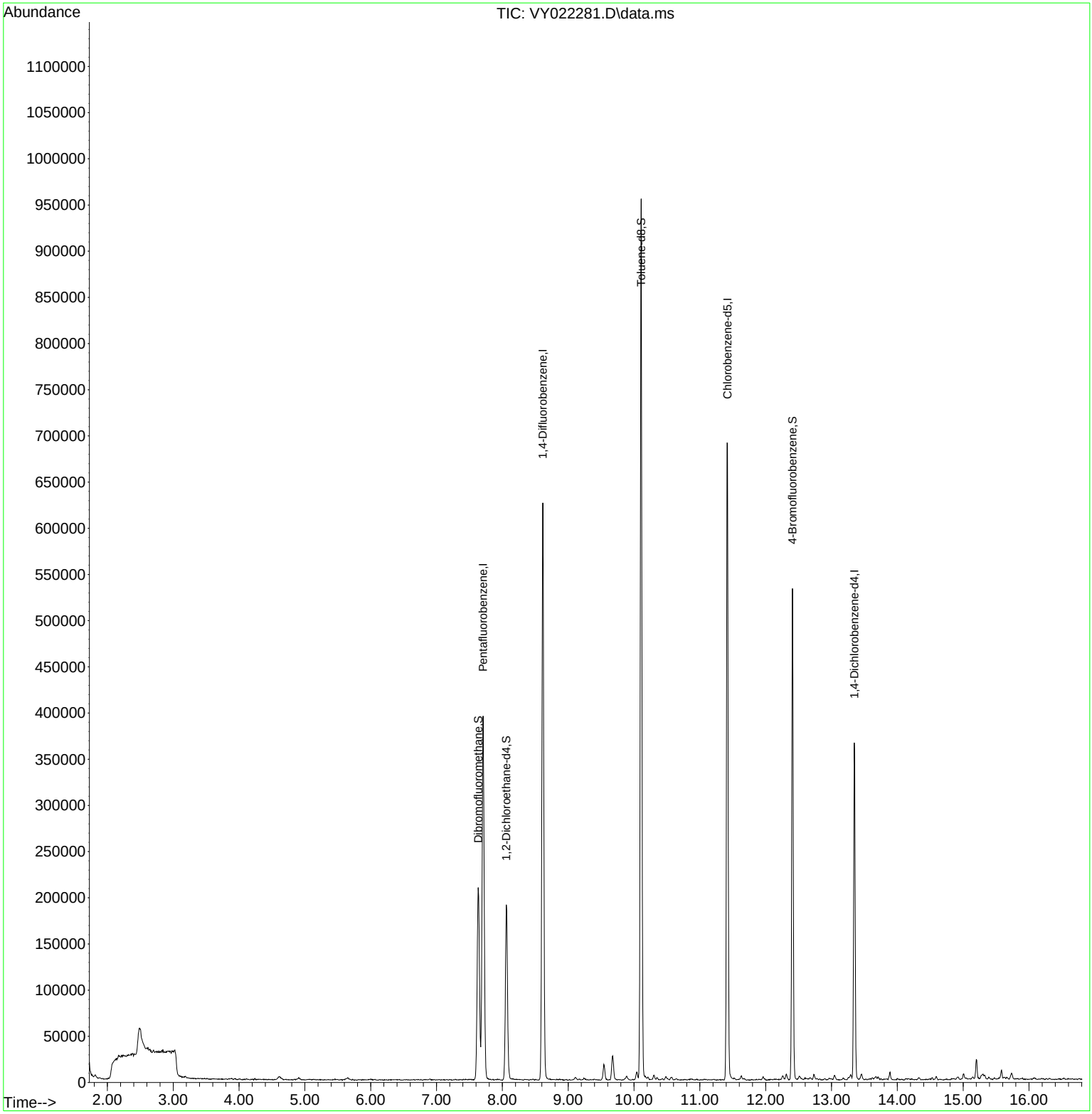
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	291145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	506824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	348369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	87017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142182	44.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.360%			
35) Dibromofluoromethane	7.634	113	146671	48.486	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.980%			
50) Toluene-d8	10.109	98	585169	47.232	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.460%			
62) 4-Bromofluorobenzene	12.407	95	147177	37.479	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 74.960%			
Target Compounds						Qvalue

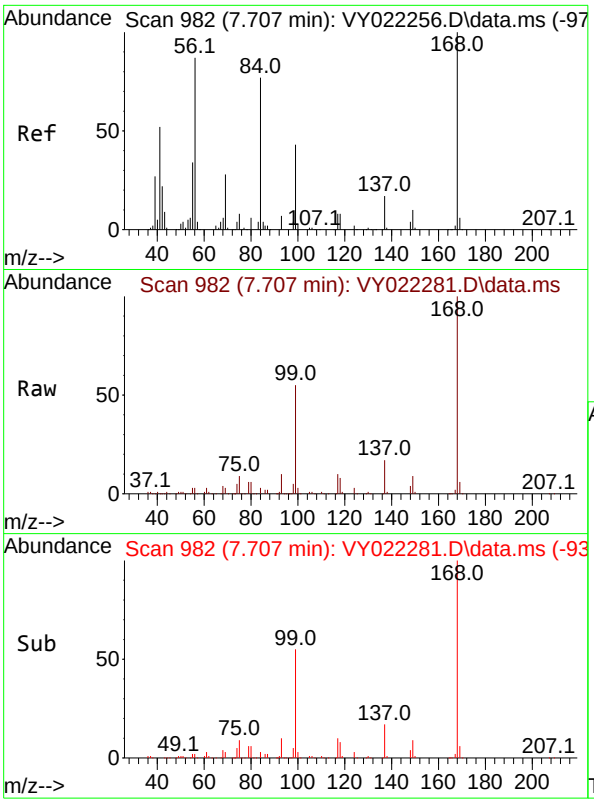
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022281.D
Acq On : 16 May 2025 11:17
Operator : SY/MD
Sample : Q1984-07RE
Misc : 2.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725RE

Quant Time: May 17 01:30:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



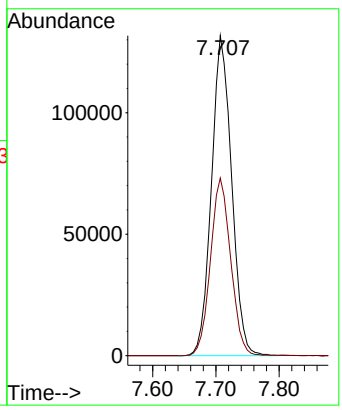


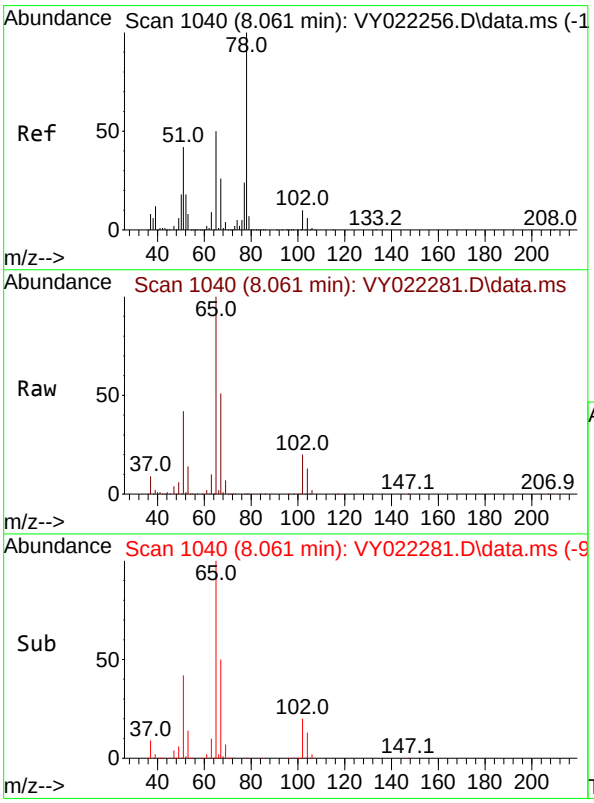
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725RE

Tgt Ion:168 Resp: 291145

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.2	66.4

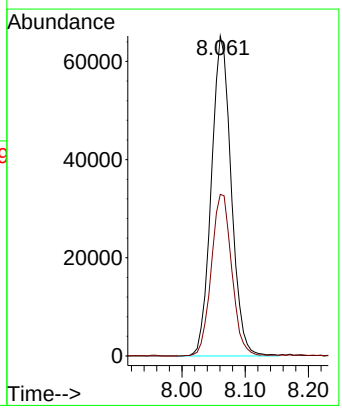


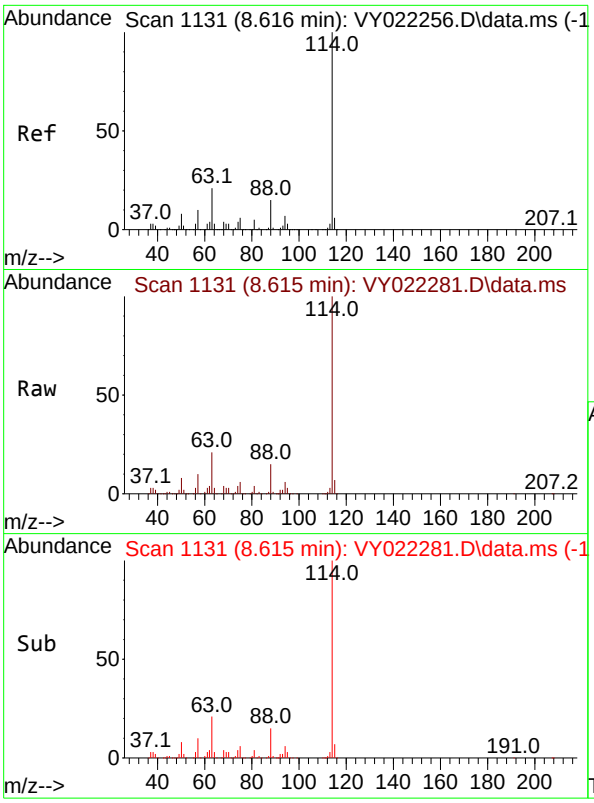


#33
1,2-Dichloroethane-d4
Concen: 44.684 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Tgt Ion: 65 Resp: 142182

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6



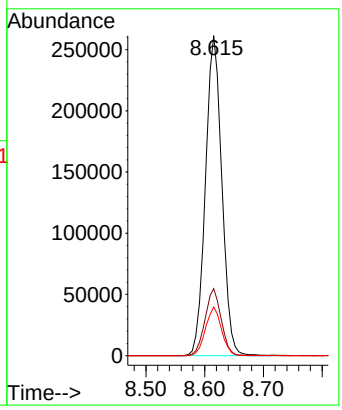


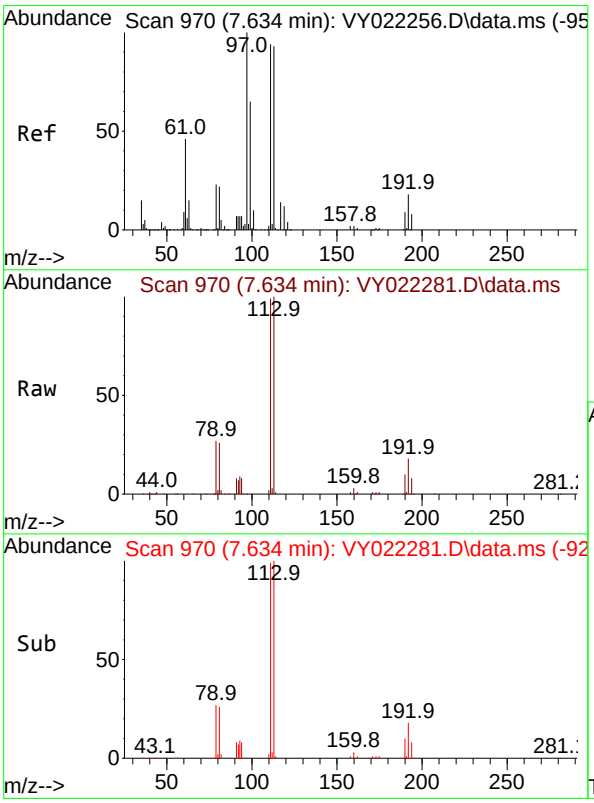
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725RE

Tgt Ion:114 Resp: 506824

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.0
88	15.2	0.0	29.4

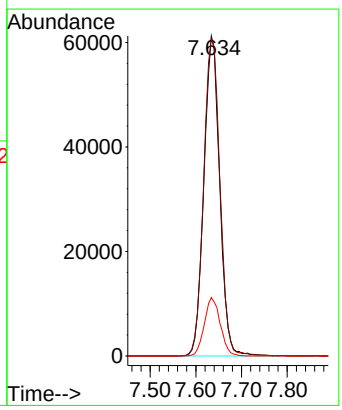


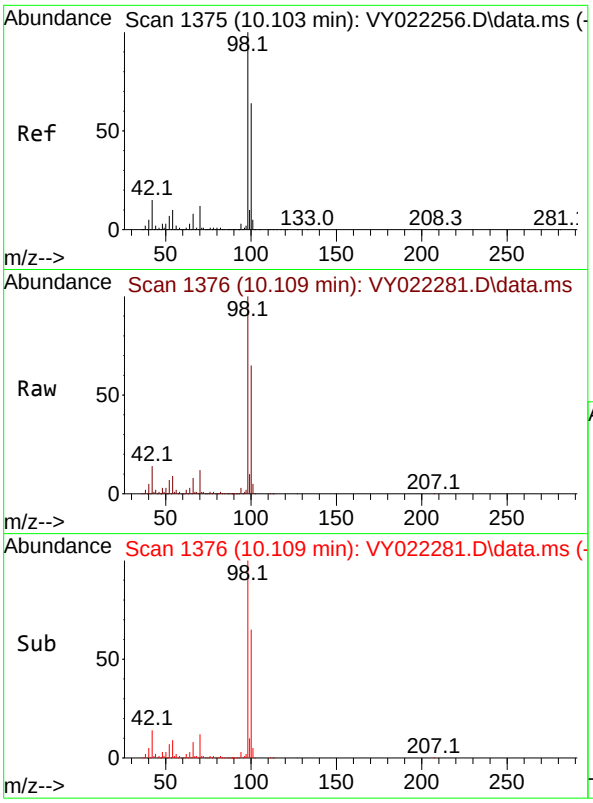


#35
Dibromofluoromethane
Concen: 48.486 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Tgt Ion:113 Resp: 146671

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	18.4	15.2	22.8



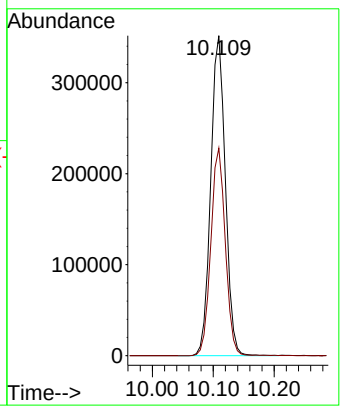


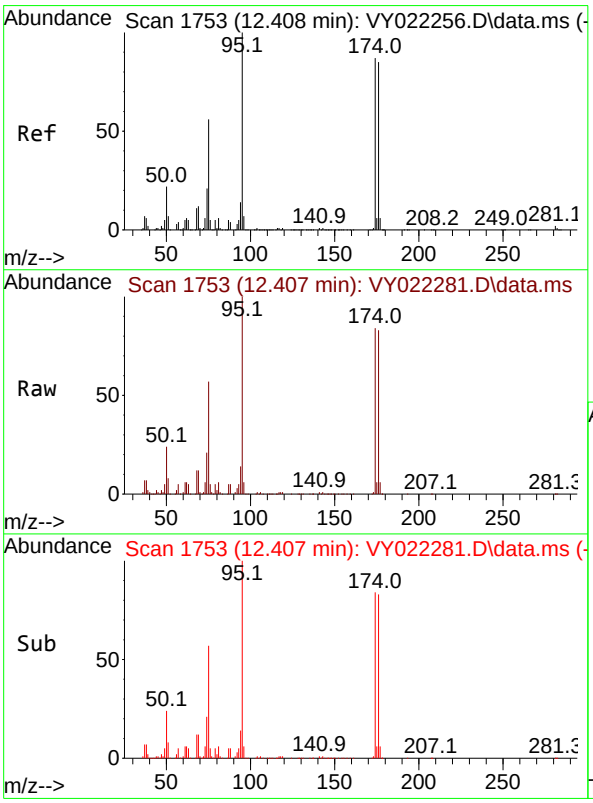
#50
Toluene-d8
Concen: 47.232 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725RE

Tgt Ion: 98 Resp: 585169

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

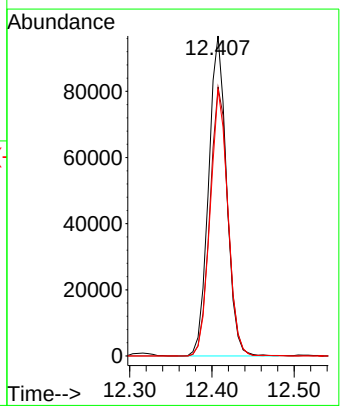


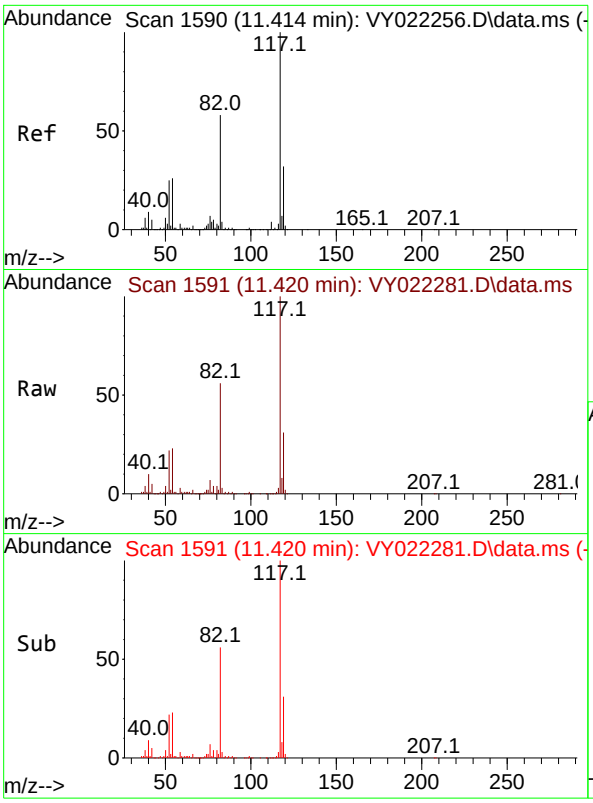


#62
4-Bromofluorobenzene
Concen: 37.479 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Tgt Ion: 95 Resp: 147177

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	166.8
176	82.0	0.0	160.8



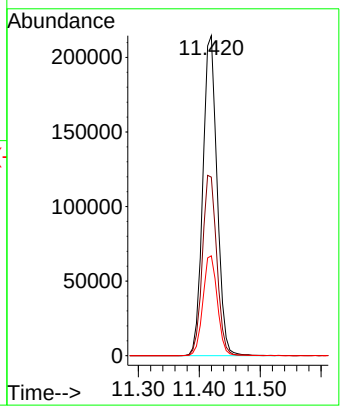


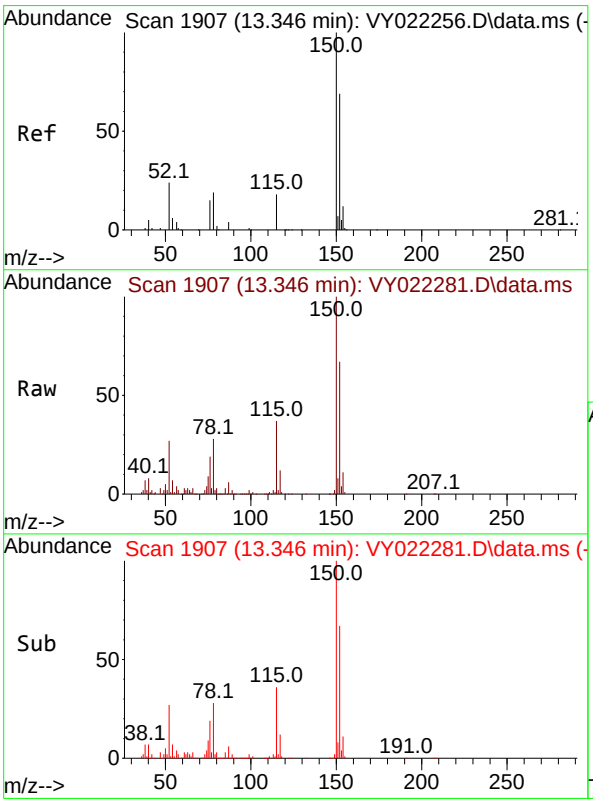
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725RE

Tgt Ion:117 Resp: 348369

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	31.2	25.8	38.6

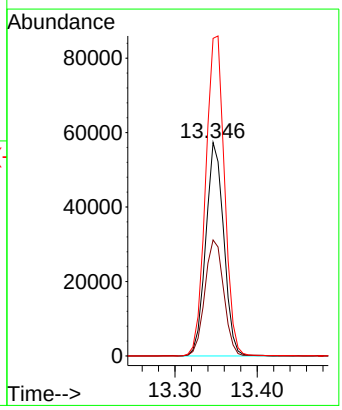




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Tgt Ion:152 Resp: 87017

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.4	88.2
150	156.9	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	68
Sample Wt/Vol:	2.98 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
VY022282.D	1		05/16/25 11:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0099	U	0.0028	0.0099	0.012	mg/Kg
74-87-3	Chloromethane	0.0062	U	0.0028	0.0062	0.012	mg/Kg
75-01-4	Vinyl Chloride	0.0062	U	0.0019	0.0062	0.012	mg/Kg
74-83-9	Bromomethane	0.0099	U	0.0026	0.0099	0.012	mg/Kg
75-00-3	Chloroethane	0.0062	U	0.0031	0.0062	0.012	mg/Kg
109-99-9	Tetrahydrofuran	0.031	U	0.012	0.031	0.062	mg/Kg
75-69-4	Trichlorofluoromethane	0.0099	U	0.0030	0.0099	0.012	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0062	U	0.0026	0.0062	0.012	mg/Kg
75-35-4	1,1-Dichloroethene	0.0062	U	0.0025	0.0062	0.012	mg/Kg
107-13-1	Acrylonitrile	0.031	U	0.012	0.031	0.062	mg/Kg
67-64-1	Acetone	0.044	J	0.012	0.049	0.062	mg/Kg
75-15-0	Carbon Disulfide	0.0099	U	0.0026	0.0099	0.012	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0062	U	0.0018	0.0062	0.012	mg/Kg
75-09-2	Methylene Chloride	0.020	U	0.0087	0.020	0.025	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0062	U	0.0021	0.0062	0.012	mg/Kg
75-34-3	1,1-Dichloroethane	0.0062	U	0.0020	0.0062	0.012	mg/Kg
78-93-3	2-Butanone	0.049	U	0.016	0.049	0.062	mg/Kg
56-23-5	Carbon Tetrachloride	0.0062	U	0.0024	0.0062	0.012	mg/Kg
594-20-7	2,2-Dichloropropane	0.0099	U	0.0032	0.0099	0.012	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0062	U	0.0019	0.0062	0.012	mg/Kg
67-66-3	Chloroform	0.0099	U	0.0021	0.0099	0.012	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0062	U	0.0023	0.0062	0.012	mg/Kg
563-58-6	1,1-Dichloropropene	0.0062	U	0.0021	0.0062	0.012	mg/Kg
71-43-2	Benzene	0.0062	U	0.0019	0.0062	0.012	mg/Kg
107-06-2	1,2-Dichloroethane	0.0062	U	0.0019	0.0062	0.012	mg/Kg
79-01-6	Trichloroethene	0.0062	U	0.0020	0.0062	0.012	mg/Kg
78-87-5	1,2-Dichloropropane	0.0062	U	0.0022	0.0062	0.012	mg/Kg
74-95-3	Dibromomethane	0.0062	U	0.0022	0.0062	0.012	mg/Kg
75-27-4	Bromodichloromethane	0.0062	U	0.0019	0.0062	0.012	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.031	U	0.0088	0.031	0.062	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	68
Sample Wt/Vol:	2.98 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
VY022282.D	1		05/16/25 11:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0062	U	0.0019	0.0062	0.012	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0062	U	0.0016	0.0062	0.012	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0062	U	0.0015	0.0062	0.012	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0062	U	0.0023	0.0062	0.012	mg/Kg
142-28-9	1,3-Dichloropropane	0.0062	U	0.0017	0.0062	0.012	mg/Kg
591-78-6	2-Hexanone	0.031	U	0.0091	0.031	0.062	mg/Kg
124-48-1	Dibromochloromethane	0.0062	U	0.0021	0.0062	0.012	mg/Kg
106-93-4	1,2-Dibromoethane	0.0062	U	0.0022	0.0062	0.012	mg/Kg
127-18-4	Tetrachloroethene	0.0062	U	0.0026	0.0062	0.012	mg/Kg
108-90-7	Chlorobenzene	0.0062	U	0.0022	0.0062	0.012	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0062	U	0.0019	0.0062	0.012	mg/Kg
100-41-4	Ethyl Benzene	0.0062	U	0.0017	0.0062	0.012	mg/Kg
179601-23-1	m/p-Xylenes	0.012	U	0.0031	0.012	0.025	mg/Kg
1330-20-7	Total Xylenes	0.019	U	0.0051	0.019	0.037	mg/Kg
95-47-6	o-Xylene	0.0062	U	0.0020	0.0062	0.012	mg/Kg
100-42-5	Styrene	0.0062	U	0.0018	0.0062	0.012	mg/Kg
75-25-2	Bromoform	0.0062	U	0.0021	0.0062	0.012	mg/Kg
98-82-8	Isopropylbenzene	0.0062	U	0.0019	0.0062	0.012	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0062	U	0.0030	0.0062	0.012	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0099	U	0.0031	0.0099	0.012	mg/Kg
108-86-1	Bromobenzene	0.0062	U	0.0030	0.0062	0.012	mg/Kg
103-65-1	n-propylbenzene	0.0062	U	0.0018	0.0062	0.012	mg/Kg
95-49-8	2-Chlorotoluene	0.0062	U	0.0017	0.0062	0.012	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0062	U	0.0020	0.0062	0.012	mg/Kg
106-43-4	4-Chlorotoluene	0.0062	U	0.0030	0.0062	0.012	mg/Kg
98-06-6	tert-Butylbenzene	0.0062	U	0.0017	0.0062	0.012	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0062	U	0.0016	0.0062	0.012	mg/Kg
135-98-8	sec-Butylbenzene	0.0062	U	0.0016	0.0062	0.012	mg/Kg
99-87-6	p-Isopropyltoluene	0.0062	U	0.0015	0.0062	0.012	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0062	U	0.0042	0.0062	0.012	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0062	U	0.0038	0.0062	0.012	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	68
Sample Wt/Vol:	2.98 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
VY022282.D	1		05/16/25 11:41	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0062	U	0.0036	0.0062	0.012	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0062	U	0.0036	0.0062	0.012	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0099	U	0.0045	0.0099	0.012	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0099	U	0.0073	0.0099	0.012	mg/Kg
87-68-3	Hexachlorobutadiene	0.0062	U	0.0047	0.0062	0.012	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0099	U	0.0078	0.0099	0.012	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0062	U	0.0026	0.0062	0.012	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		71 - 136		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		79 - 119		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	291000	7.707				
540-36-3	1,4-Difluorobenzene	517000	8.616				
3114-55-4	Chlorobenzene-d5	402000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	146000	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\VY051625\
Data File : VY022282.D
Acq On : 16 May 2025 11:41
Operator : SY/MD
Sample : Q1984-09
Misc : 2.98g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

Quant Time: May 17 01:30:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

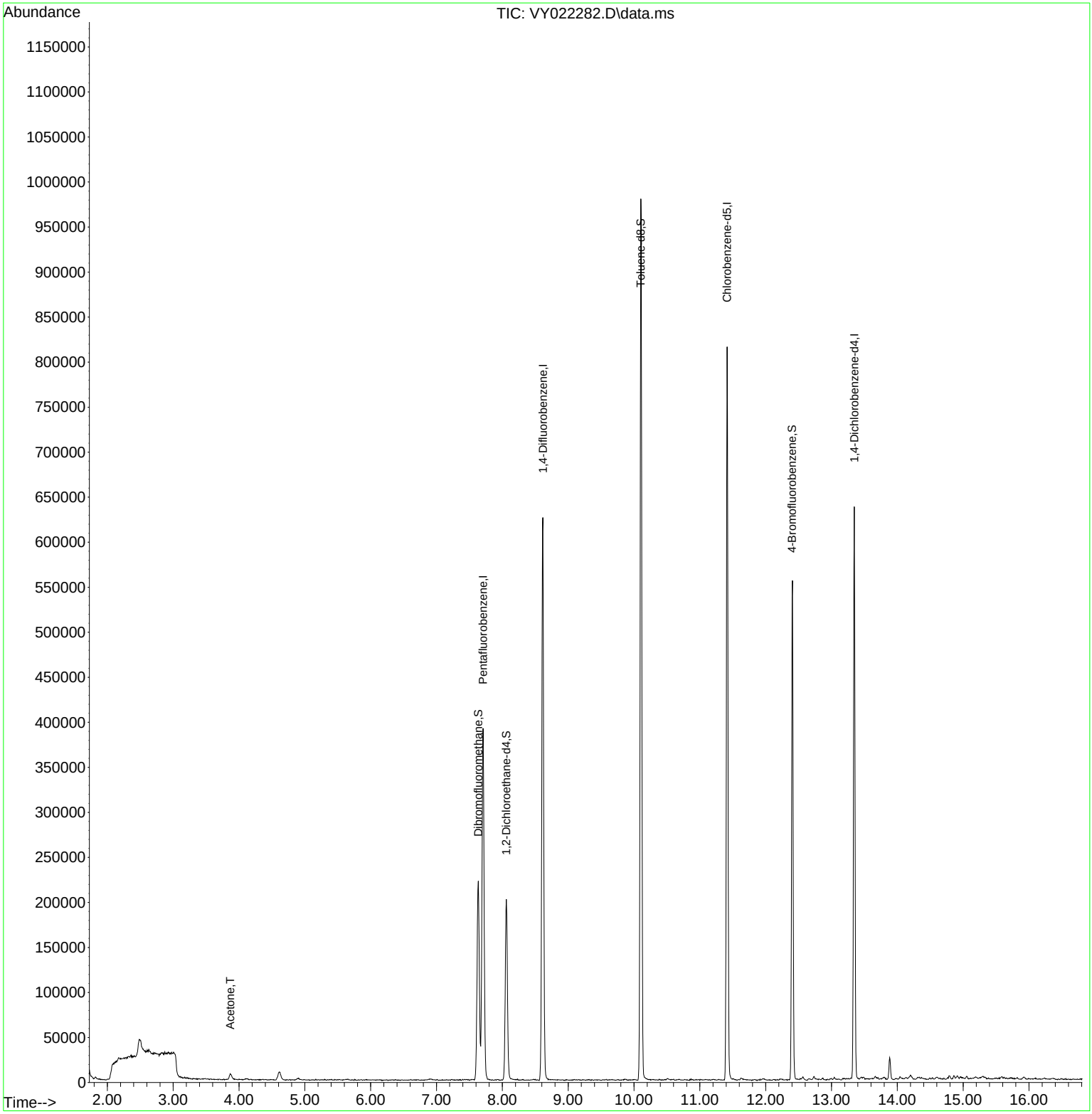
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	290980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	516868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	401768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153153	48.159	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.320%		
35) Dibromofluoromethane	7.634	113	153811	49.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.720%		
50) Toluene-d8	10.103	98	619790	49.055	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.100%		
62) 4-Bromofluorobenzene	12.402	95	158907	39.679	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.360%		
Target Compounds						Qvalue
16) Acetone	3.867	43	10709	17.959	ug/l #	88

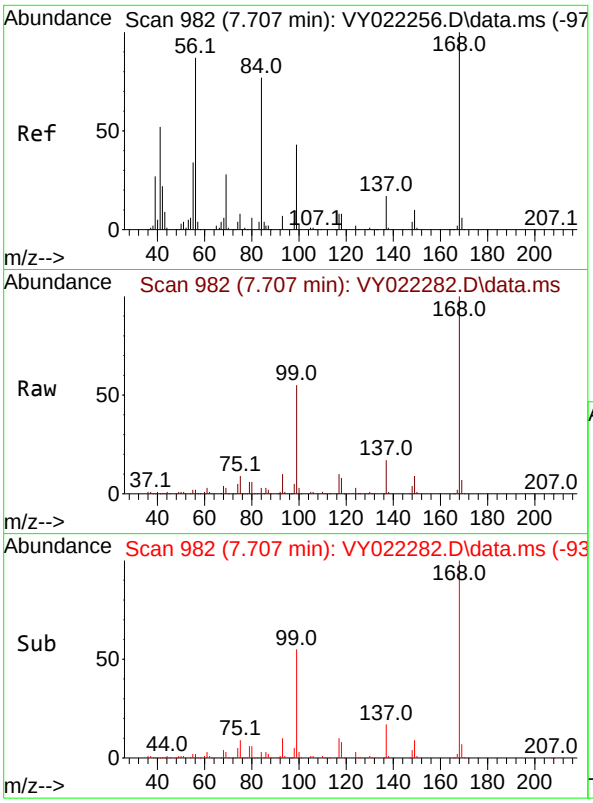
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022282.D
Acq On : 16 May 2025 11:41
Operator : SY/MD
Sample : Q1984-09
Misc : 2.98g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

Quant Time: May 17 01:30:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



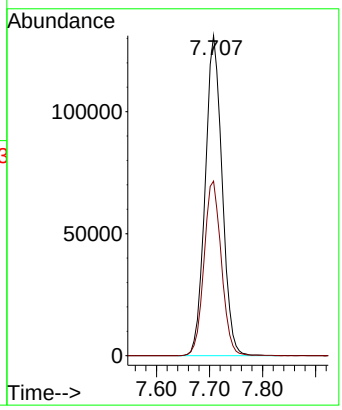


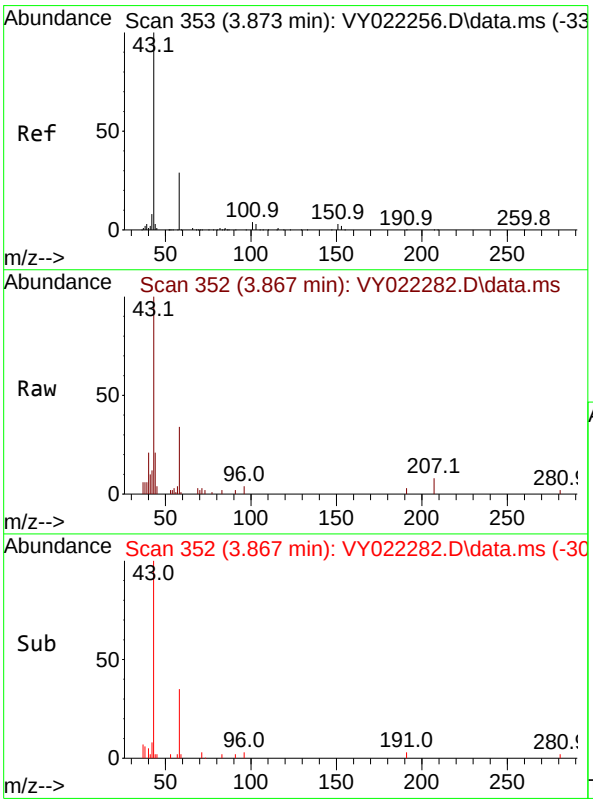
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

Tgt Ion:168 Resp: 290980

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.2	66.4

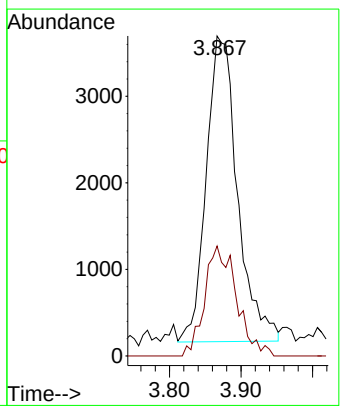


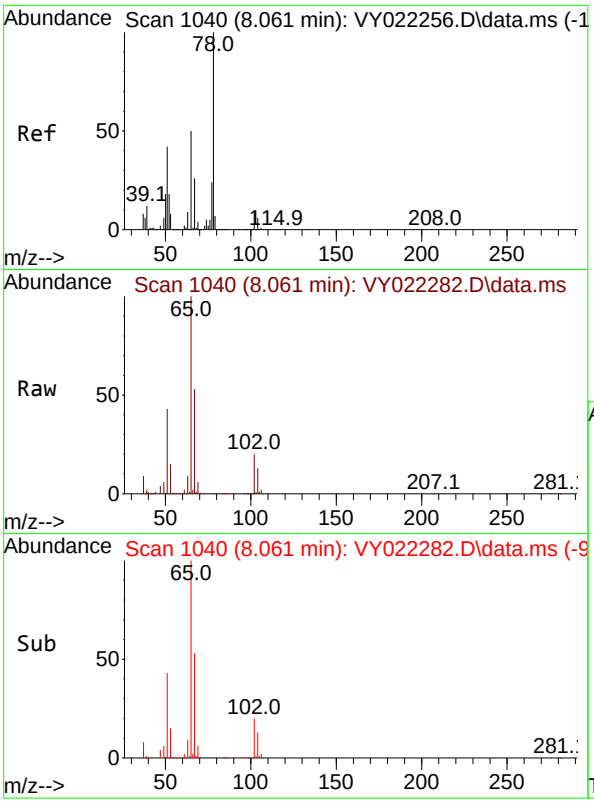


#16
Acetone
Concen: 17.959 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Tgt Ion: 43 Resp: 10709

Ion	Ratio	Lower	Upper
43	100		
58	36.0	23.6	35.4#



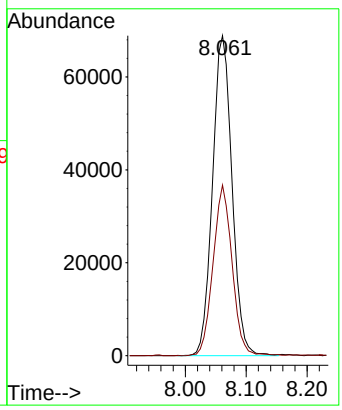


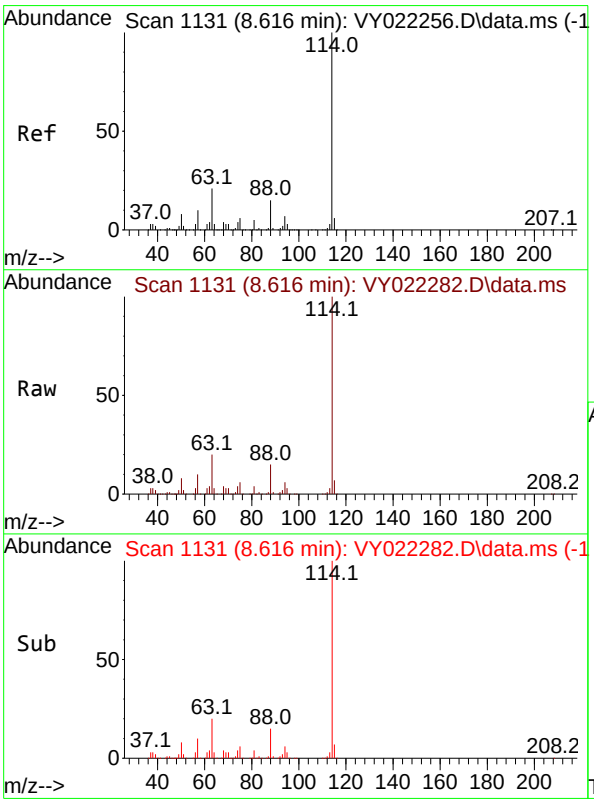
#33
1,2-Dichloroethane-d4
Concen: 48.159 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

Tgt Ion: 65 Resp: 153153

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6

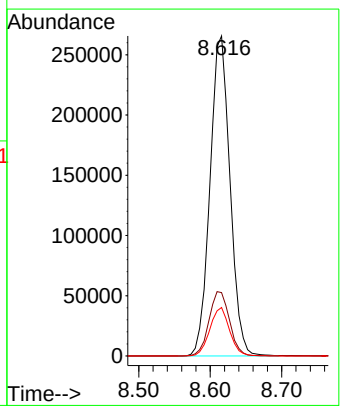


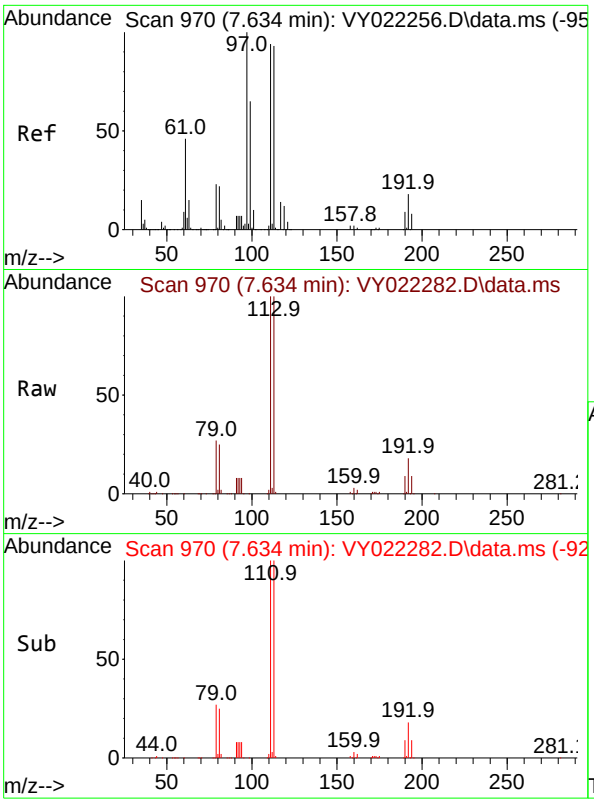


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Tgt Ion:114 Resp: 516868

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	15.2	0.0	29.4



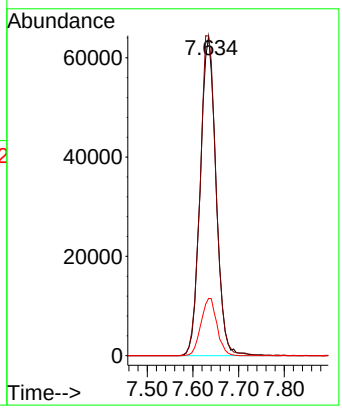


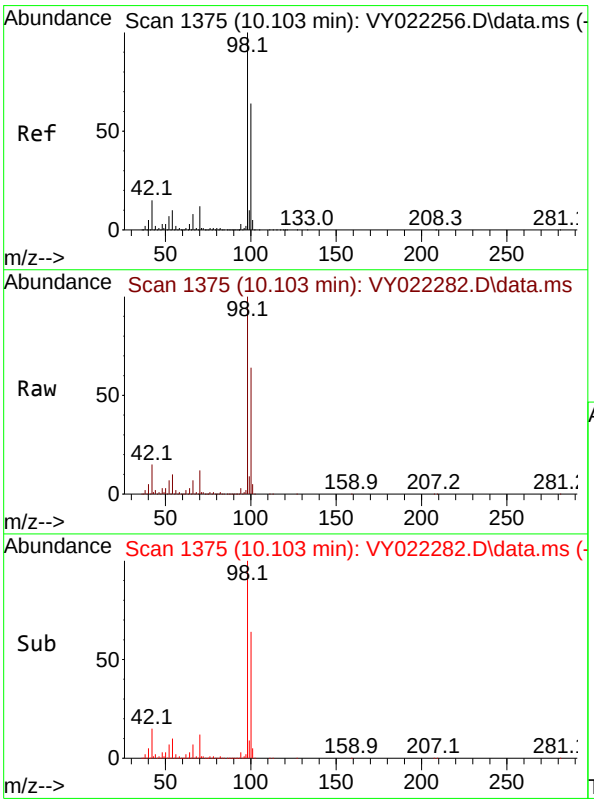
#35
Dibromofluoromethane
Concen: 49.858 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

Tgt Ion:113 Resp: 153811

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	123.8
192	18.2	15.2	22.8

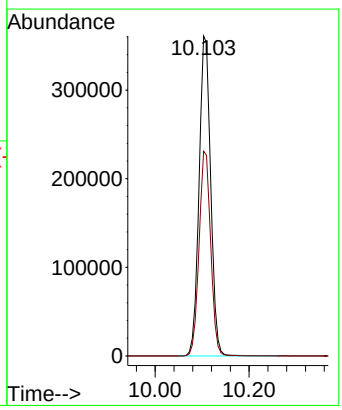


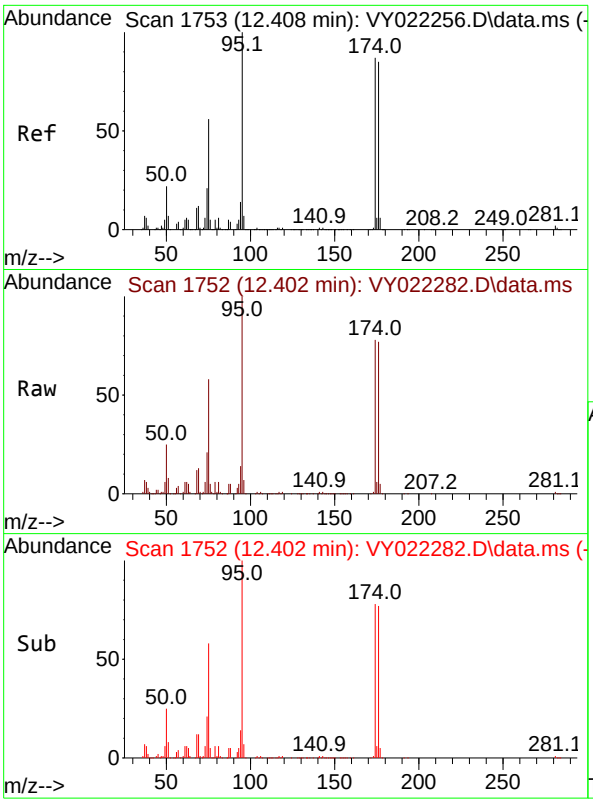


#50
Toluene-d8
Concen: 49.055 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Tgt Ion: 98 Resp: 619790

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8



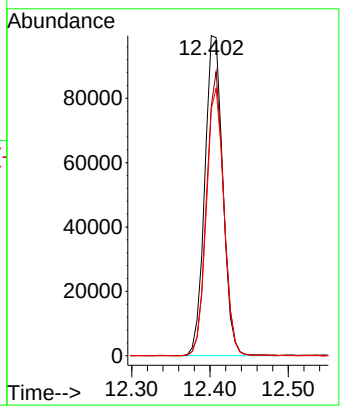


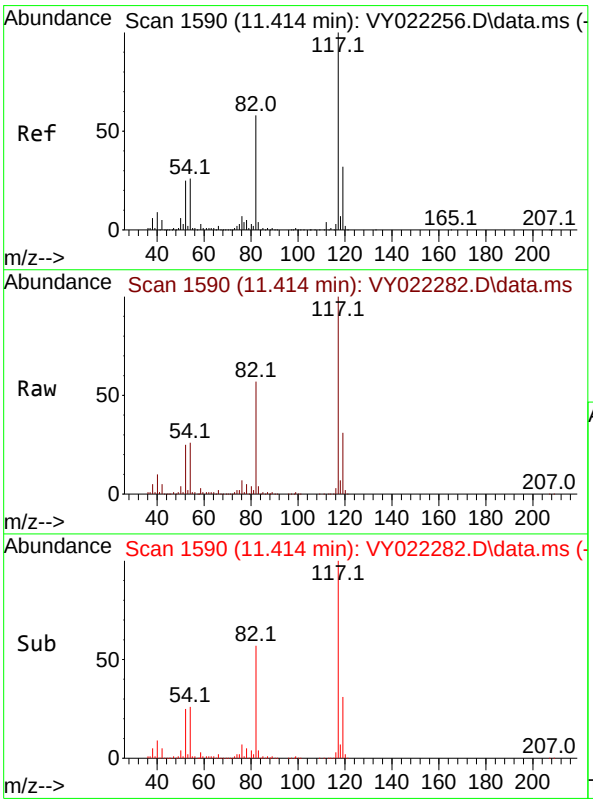
#62
4-Bromofluorobenzene
Concen: 39.679 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

Tgt Ion: 95 Resp: 158907

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	166.8
176	81.6	0.0	160.8

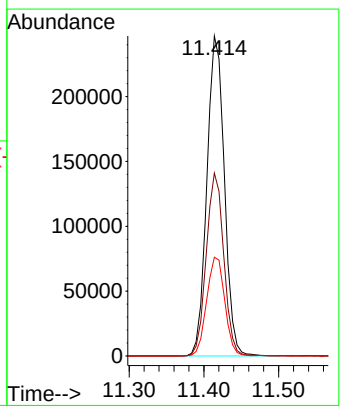


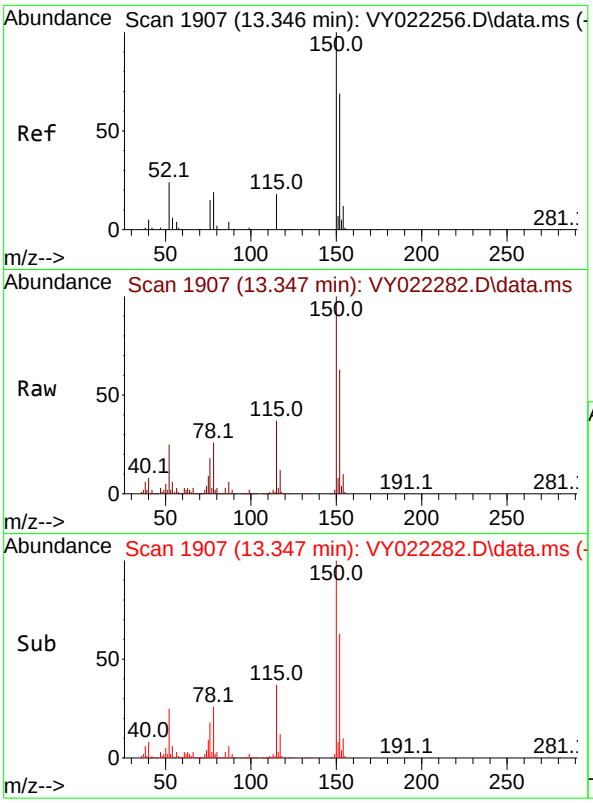


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Tgt Ion:117 Resp: 401768

Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.6	70.0
119	30.8	25.8	38.6



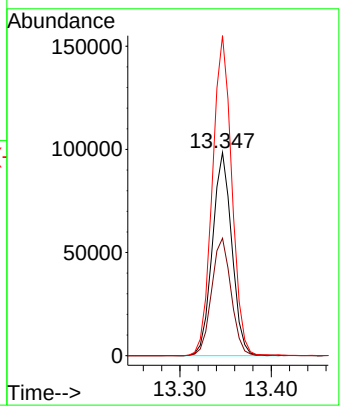


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022282.D
Acq: 16 May 2025 11:41

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-25-050725

Tgt Ion:152 Resp: 145583

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	157.8	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	60.1
Sample Wt/Vol:	3.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022283.D	1		05/16/25 12:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0089	U	0.0025	0.0089	0.011	mg/Kg
74-87-3	Chloromethane	0.0056	U	0.0025	0.0056	0.011	mg/Kg
75-01-4	Vinyl Chloride	0.0056	U	0.0018	0.0056	0.011	mg/Kg
74-83-9	Bromomethane	0.0089	U	0.0024	0.0089	0.011	mg/Kg
75-00-3	Chloroethane	0.0056	U	0.0028	0.0056	0.011	mg/Kg
109-99-9	Tetrahydrofuran	0.028	U	0.010	0.028	0.056	mg/Kg
75-69-4	Trichlorofluoromethane	0.0089	U	0.0027	0.0089	0.011	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0056	U	0.0024	0.0056	0.011	mg/Kg
75-35-4	1,1-Dichloroethene	0.0056	U	0.0022	0.0056	0.011	mg/Kg
107-13-1	Acrylonitrile	0.028	U	0.011	0.028	0.056	mg/Kg
67-64-1	Acetone	0.055	J	0.011	0.045	0.056	mg/Kg
75-15-0	Carbon Disulfide	0.0089	U	0.0024	0.0089	0.011	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0056	U	0.0016	0.0056	0.011	mg/Kg
75-09-2	Methylene Chloride	0.018	U	0.0079	0.018	0.022	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0056	U	0.0019	0.0056	0.011	mg/Kg
75-34-3	1,1-Dichloroethane	0.0056	U	0.0018	0.0056	0.011	mg/Kg
78-93-3	2-Butanone	0.045	U	0.015	0.045	0.056	mg/Kg
56-23-5	Carbon Tetrachloride	0.0056	U	0.0022	0.0056	0.011	mg/Kg
594-20-7	2,2-Dichloropropane	0.0089	U	0.0029	0.0089	0.011	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0056	U	0.0017	0.0056	0.011	mg/Kg
67-66-3	Chloroform	0.0089	U	0.0019	0.0089	0.011	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0056	U	0.0021	0.0056	0.011	mg/Kg
563-58-6	1,1-Dichloropropene	0.0056	U	0.0019	0.0056	0.011	mg/Kg
71-43-2	Benzene	0.0056	U	0.0018	0.0056	0.011	mg/Kg
107-06-2	1,2-Dichloroethane	0.0056	U	0.0018	0.0056	0.011	mg/Kg
79-01-6	Trichloroethene	0.0056	U	0.0018	0.0056	0.011	mg/Kg
78-87-5	1,2-Dichloropropane	0.0056	U	0.0020	0.0056	0.011	mg/Kg
74-95-3	Dibromomethane	0.0056	U	0.0020	0.0056	0.011	mg/Kg
75-27-4	Bromodichloromethane	0.0056	U	0.0017	0.0056	0.011	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.028	U	0.0080	0.028	0.056	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	60.1
Sample Wt/Vol:	3.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022283.D	1		05/16/25 12:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0056	U	0.0017	0.0056	0.011	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0056	U	0.0014	0.0056	0.011	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0056	U	0.0014	0.0056	0.011	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0056	U	0.0021	0.0056	0.011	mg/Kg
142-28-9	1,3-Dichloropropane	0.0056	U	0.0015	0.0056	0.011	mg/Kg
591-78-6	2-Hexanone	0.028	U	0.0082	0.028	0.056	mg/Kg
124-48-1	Dibromochloromethane	0.0056	U	0.0019	0.0056	0.011	mg/Kg
106-93-4	1,2-Dibromoethane	0.0056	U	0.0020	0.0056	0.011	mg/Kg
127-18-4	Tetrachloroethene	0.0056	U	0.0023	0.0056	0.011	mg/Kg
108-90-7	Chlorobenzene	0.0056	U	0.0020	0.0056	0.011	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0056	U	0.0017	0.0056	0.011	mg/Kg
100-41-4	Ethyl Benzene	0.0056	U	0.0015	0.0056	0.011	mg/Kg
179601-23-1	m/p-Xylenes	0.011	U	0.0028	0.011	0.022	mg/Kg
1330-20-7	Total Xylenes	0.017	U	0.0046	0.017	0.034	mg/Kg
95-47-6	o-Xylene	0.0056	U	0.0018	0.0056	0.011	mg/Kg
100-42-5	Styrene	0.0056	U	0.0016	0.0056	0.011	mg/Kg
75-25-2	Bromoform	0.0056	U	0.0019	0.0056	0.011	mg/Kg
98-82-8	Isopropylbenzene	0.0056	U	0.0017	0.0056	0.011	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0056	U	0.0027	0.0056	0.011	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0089	U	0.0028	0.0089	0.011	mg/Kg
108-86-1	Bromobenzene	0.0056	U	0.0027	0.0056	0.011	mg/Kg
103-65-1	n-propylbenzene	0.0056	U	0.0016	0.0056	0.011	mg/Kg
95-49-8	2-Chlorotoluene	0.0056	U	0.0015	0.0056	0.011	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0056	U	0.0018	0.0056	0.011	mg/Kg
106-43-4	4-Chlorotoluene	0.0056	U	0.0027	0.0056	0.011	mg/Kg
98-06-6	tert-Butylbenzene	0.0056	U	0.0015	0.0056	0.011	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0056	U	0.0014	0.0056	0.011	mg/Kg
135-98-8	sec-Butylbenzene	0.0056	U	0.0015	0.0056	0.011	mg/Kg
99-87-6	p-Isopropyltoluene	0.0056	U	0.0014	0.0056	0.011	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0056	U	0.0038	0.0056	0.011	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0056	U	0.0035	0.0056	0.011	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	60.1
Sample Wt/Vol:	3.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022283.D	1		05/16/25 12:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0056	U	0.0032	0.0056	0.011	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0056	U	0.0032	0.0056	0.011	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0089	U	0.0041	0.0089	0.011	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0089	U	0.0066	0.0089	0.011	mg/Kg
87-68-3	Hexachlorobutadiene	0.0056	U	0.0042	0.0056	0.011	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0089	U	0.0071	0.0089	0.011	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0056	U	0.0024	0.0056	0.011	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	290000	7.707				
540-36-3	1,4-Difluorobenzene	519000	8.616				
3114-55-4	Chlorobenzene-d5	424000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	158000	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\VY051625\
Data File : VY022283.D
Acq On : 16 May 2025 12:04
Operator : SY/MD
Sample : Q1984-11
Misc : 3.73g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Quant Time: May 17 01:31:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

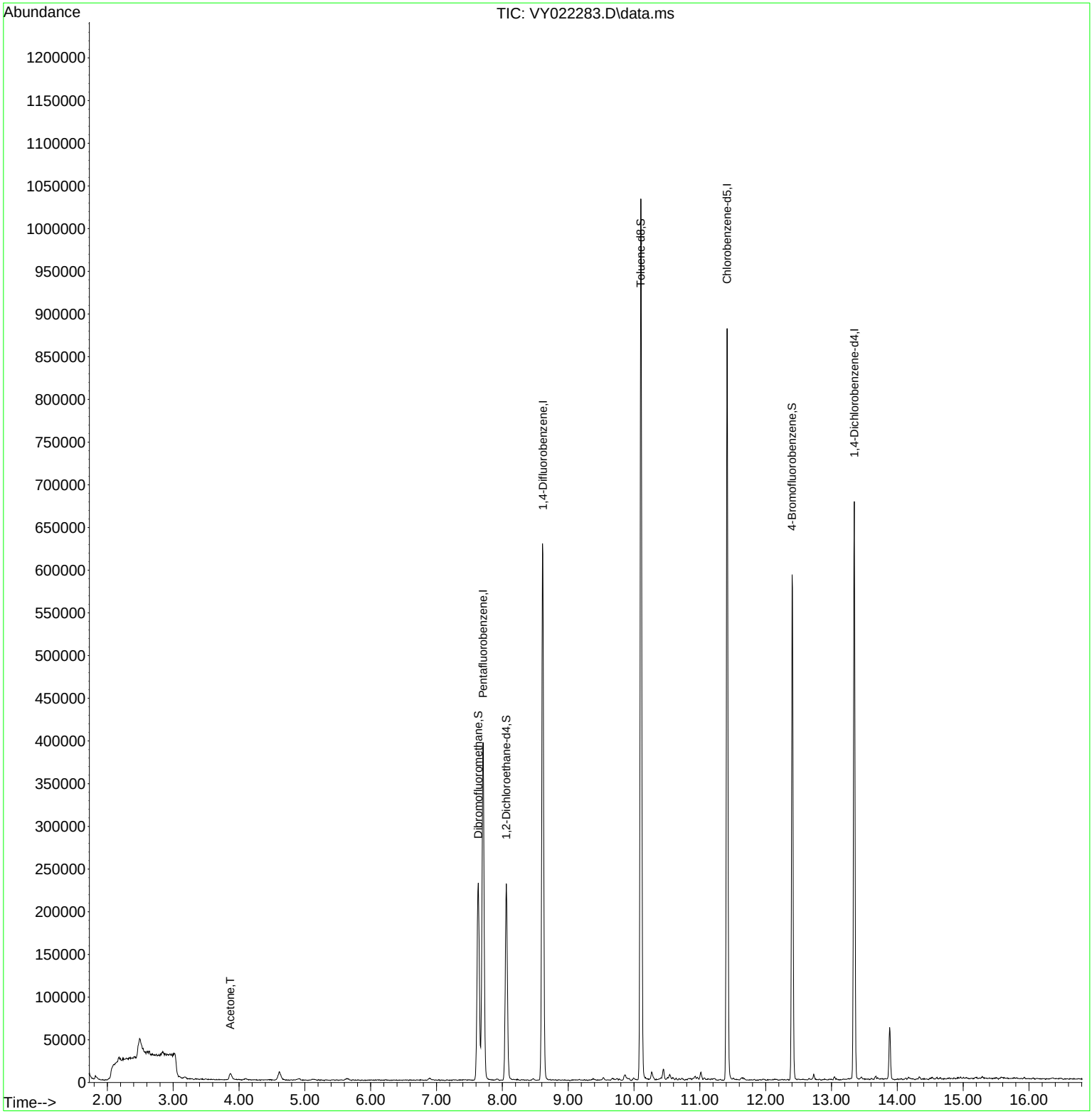
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	289636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	518563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	423867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170891	53.986	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.980%			
35) Dibromofluoromethane	7.634	113	159838	51.642	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.280%			
50) Toluene-d8	10.103	98	629825	49.686	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.401	95	166375	41.408	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.820%			
Target Compounds						Qvalue
16) Acetone	3.866	43	14552	24.517	ug/l	96

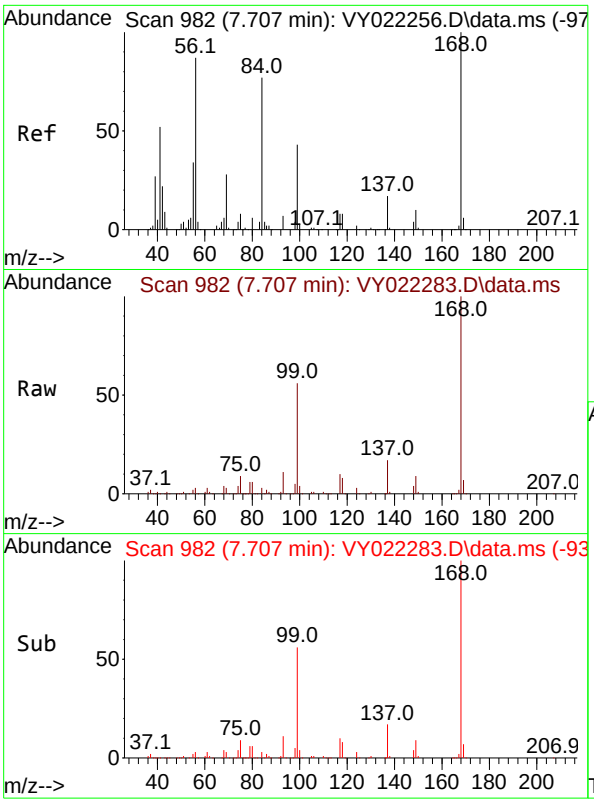
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022283.D
Acq On : 16 May 2025 12:04
Operator : SY/MD
Sample : Q1984-11
Misc : 3.73g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Quant Time: May 17 01:31:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



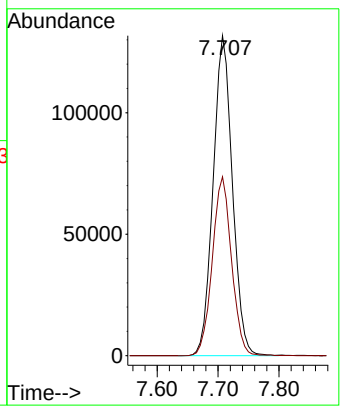


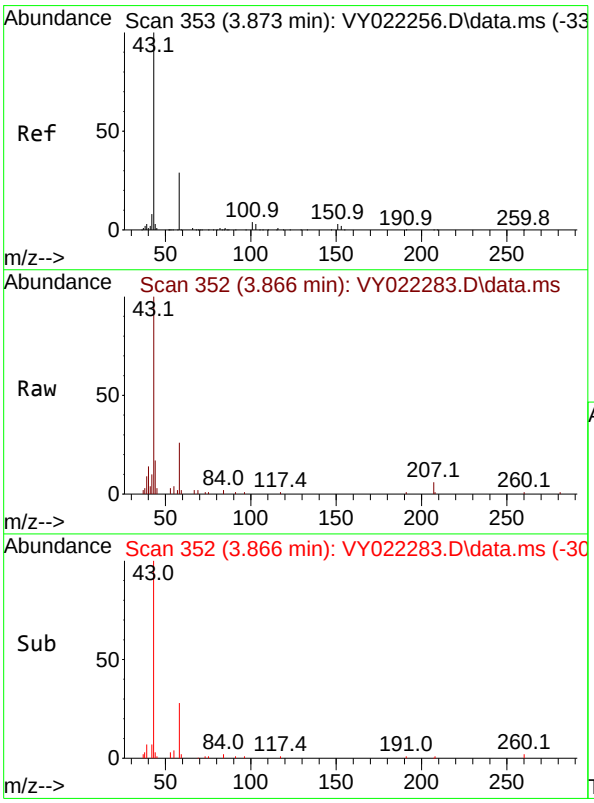
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion:168 Resp: 289636

Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.2	66.4

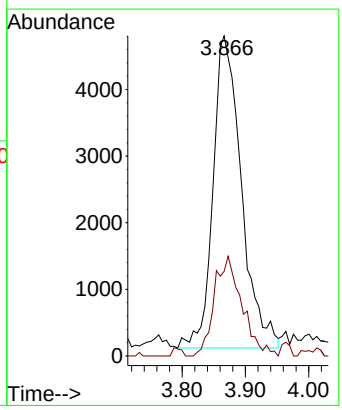


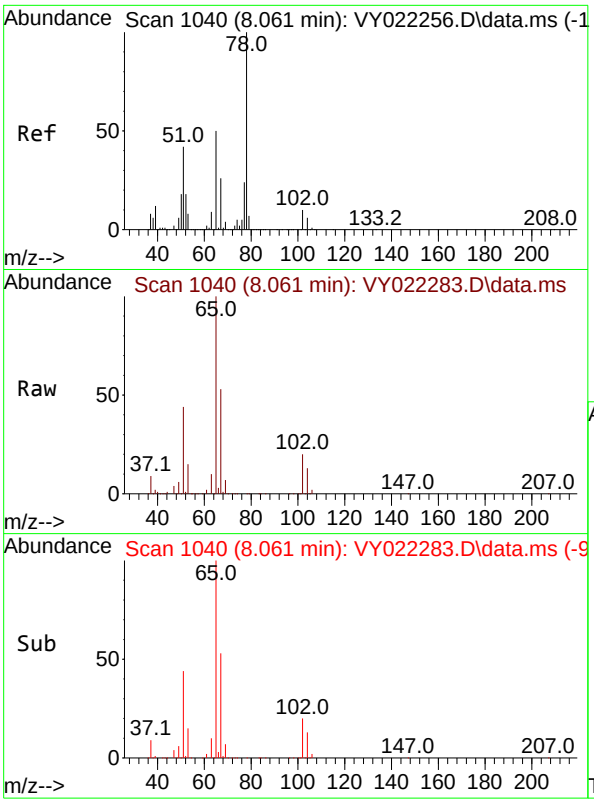


#16
Acetone
Concen: 24.517 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 43 Resp: 14552

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.6	35.4



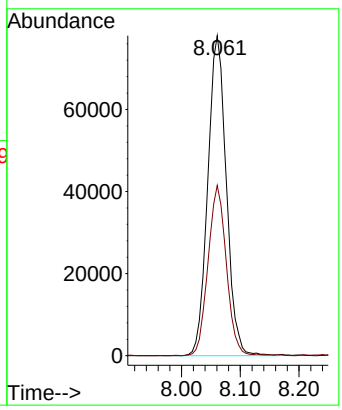


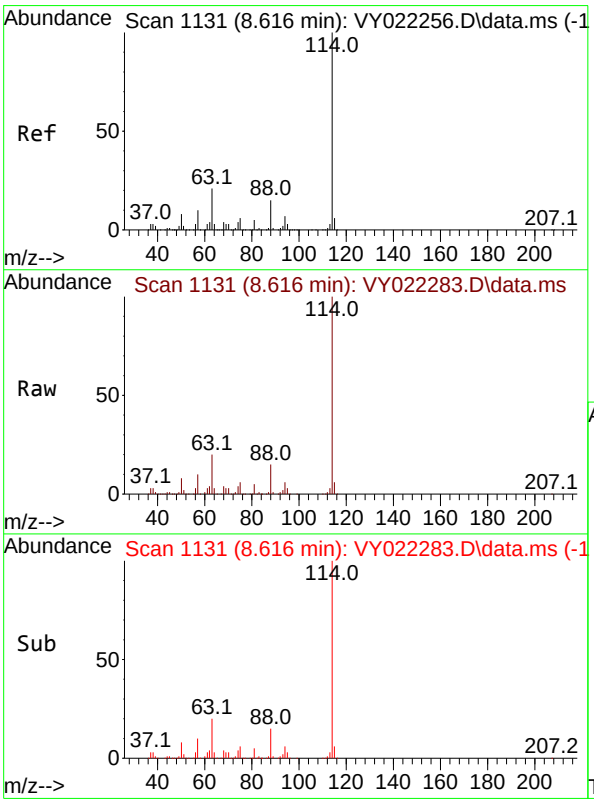
#33
1,2-Dichloroethane-d4
Concen: 53.986 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion: 65 Resp: 170891

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6

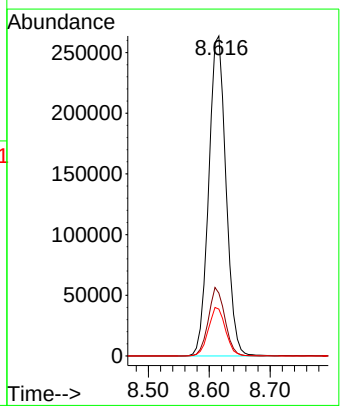


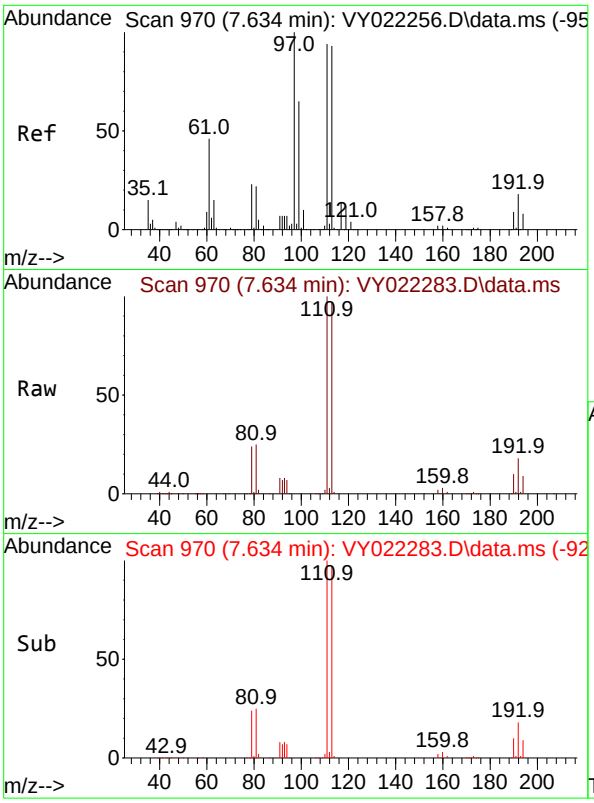


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion:114 Resp: 518563

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.0
88	14.7	0.0	29.4



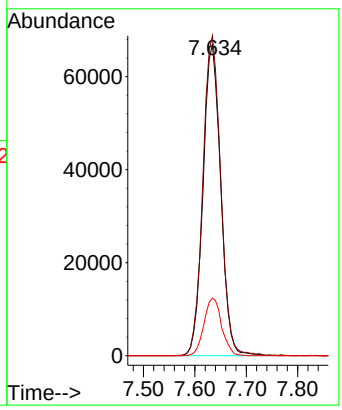


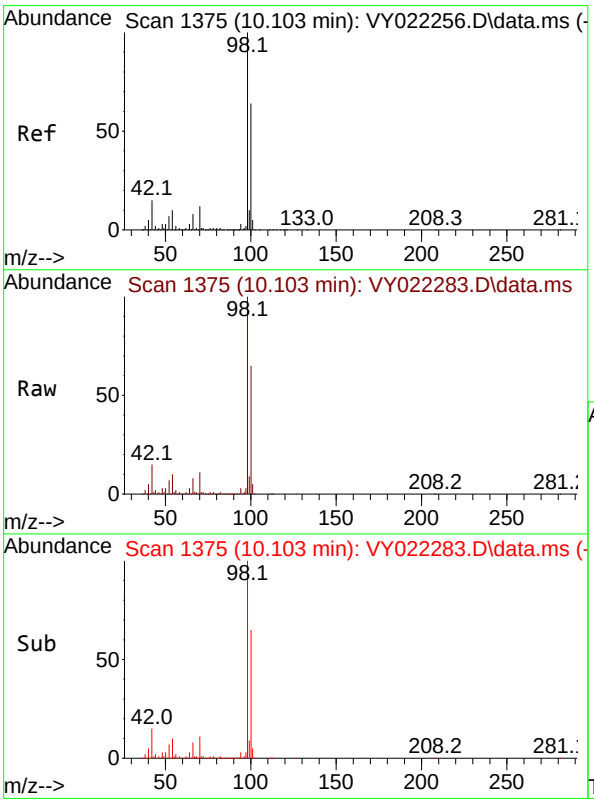
#35
Dibromofluoromethane
Concen: 51.642 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion:113 Resp: 159838

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	18.5	15.2	22.8

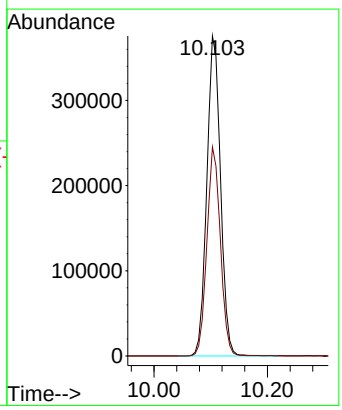


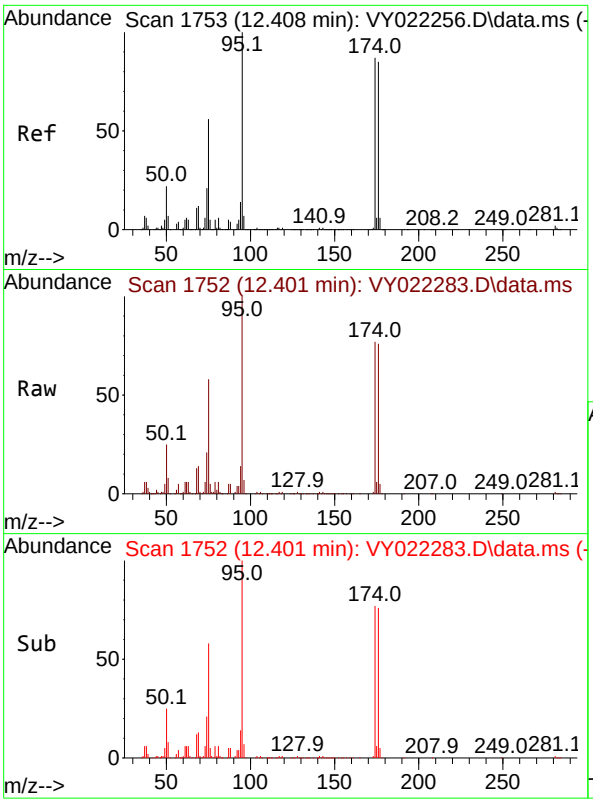


#50
Toluene-d8
Concen: 49.686 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 98 Resp: 629825

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8



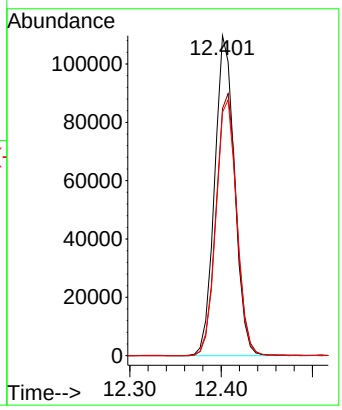


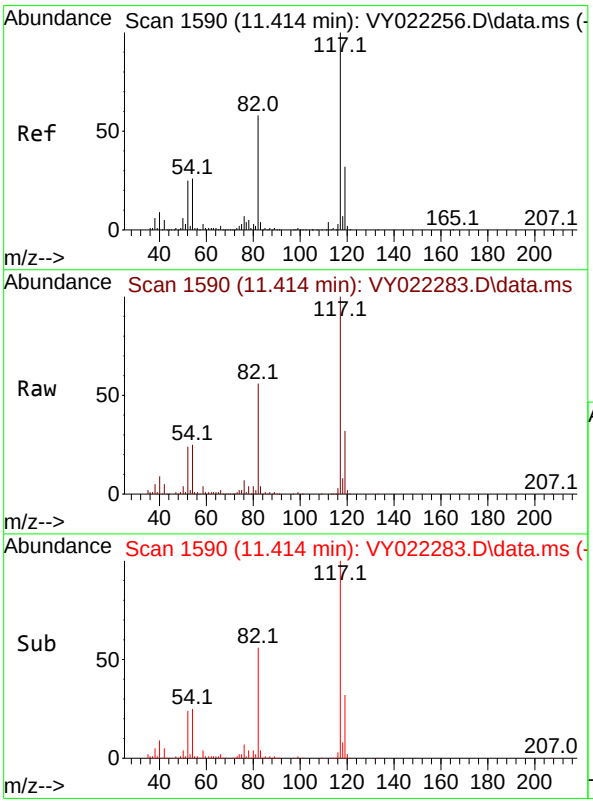
#62
4-Bromofluorobenzene
Concen: 41.408 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion: 95 Resp: 166375

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	166.8
176	83.0	0.0	160.8

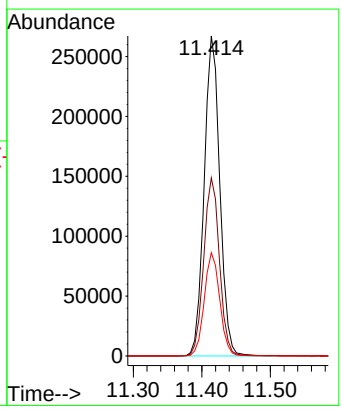


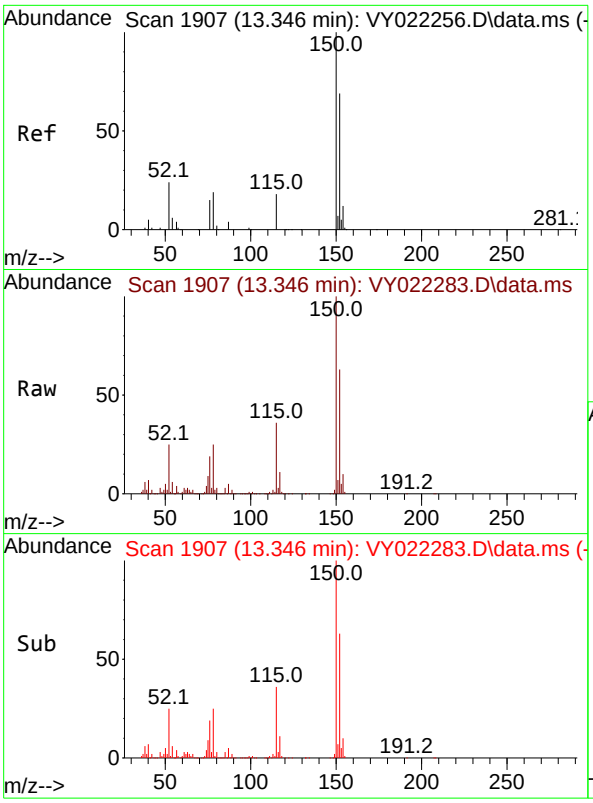


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion:117 Resp: 423867

Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.6	70.0
119	32.3	25.8	38.6



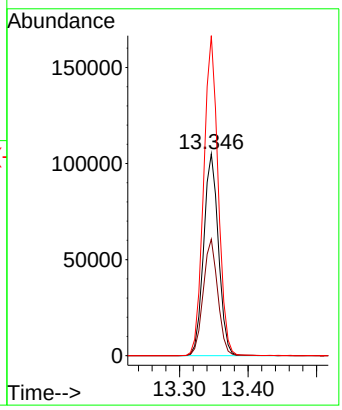


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion:152 Resp: 157695

Ion	Ratio	Lower	Upper
152	100		
115	56.9	29.4	88.2
150	155.5	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.5
Sample Wt/Vol:	3.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022284.D	1		05/16/25 12:29	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0094	U	0.0027	0.0094	0.012	mg/Kg
74-87-3	Chloromethane	0.0058	U	0.0027	0.0058	0.012	mg/Kg
75-01-4	Vinyl Chloride	0.0058	U	0.0018	0.0058	0.012	mg/Kg
74-83-9	Bromomethane	0.0094	U	0.0025	0.0094	0.012	mg/Kg
75-00-3	Chloroethane	0.0058	U	0.0029	0.0058	0.012	mg/Kg
109-99-9	Tetrahydrofuran	0.029	U	0.011	0.029	0.059	mg/Kg
75-69-4	Trichlorofluoromethane	0.0094	U	0.0028	0.0094	0.012	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0058	U	0.0025	0.0058	0.012	mg/Kg
75-35-4	1,1-Dichloroethene	0.0058	U	0.0023	0.0058	0.012	mg/Kg
107-13-1	Acrylonitrile	0.029	U	0.012	0.029	0.059	mg/Kg
67-64-1	Acetone	0.047	U	0.011	0.047	0.059	mg/Kg
75-15-0	Carbon Disulfide	0.0094	U	0.0025	0.0094	0.012	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0058	U	0.0017	0.0058	0.012	mg/Kg
75-09-2	Methylene Chloride	0.019	U	0.0083	0.019	0.023	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0058	U	0.0020	0.0058	0.012	mg/Kg
75-34-3	1,1-Dichloroethane	0.0058	U	0.0019	0.0058	0.012	mg/Kg
78-93-3	2-Butanone	0.047	U	0.015	0.047	0.059	mg/Kg
56-23-5	Carbon Tetrachloride	0.0058	U	0.0023	0.0058	0.012	mg/Kg
594-20-7	2,2-Dichloropropane	0.0094	U	0.0030	0.0094	0.012	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0058	U	0.0018	0.0058	0.012	mg/Kg
67-66-3	Chloroform	0.0094	U	0.0020	0.0094	0.012	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0058	U	0.0022	0.0058	0.012	mg/Kg
563-58-6	1,1-Dichloropropene	0.0058	U	0.0020	0.0058	0.012	mg/Kg
71-43-2	Benzene	0.0058	U	0.0018	0.0058	0.012	mg/Kg
107-06-2	1,2-Dichloroethane	0.0058	U	0.0018	0.0058	0.012	mg/Kg
79-01-6	Trichloroethene	0.0058	U	0.0019	0.0058	0.012	mg/Kg
78-87-5	1,2-Dichloropropane	0.0058	U	0.0021	0.0058	0.012	mg/Kg
74-95-3	Dibromomethane	0.0058	U	0.0021	0.0058	0.012	mg/Kg
75-27-4	Bromodichloromethane	0.0058	U	0.0018	0.0058	0.012	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.029	U	0.0084	0.029	0.059	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.5
Sample Wt/Vol:	3.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022284.D	1		05/16/25 12:29	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0058	U	0.0018	0.0058	0.012	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0058	U	0.0015	0.0058	0.012	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0058	U	0.0015	0.0058	0.012	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0058	U	0.0022	0.0058	0.012	mg/Kg
142-28-9	1,3-Dichloropropane	0.0058	U	0.0016	0.0058	0.012	mg/Kg
591-78-6	2-Hexanone	0.029	U	0.0086	0.029	0.059	mg/Kg
124-48-1	Dibromochloromethane	0.0058	U	0.0020	0.0058	0.012	mg/Kg
106-93-4	1,2-Dibromoethane	0.0058	U	0.0021	0.0058	0.012	mg/Kg
127-18-4	Tetrachloroethene	0.0058	U	0.0025	0.0058	0.012	mg/Kg
108-90-7	Chlorobenzene	0.0058	U	0.0021	0.0058	0.012	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0058	U	0.0018	0.0058	0.012	mg/Kg
100-41-4	Ethyl Benzene	0.0058	U	0.0016	0.0058	0.012	mg/Kg
179601-23-1	m/p-Xylenes	0.012	U	0.0029	0.012	0.023	mg/Kg
1330-20-7	Total Xylenes	0.018	U	0.0048	0.018	0.035	mg/Kg
95-47-6	o-Xylene	0.0058	U	0.0019	0.0058	0.012	mg/Kg
100-42-5	Styrene	0.0058	U	0.0017	0.0058	0.012	mg/Kg
75-25-2	Bromoform	0.0058	U	0.0020	0.0058	0.012	mg/Kg
98-82-8	Isopropylbenzene	0.0058	U	0.0018	0.0058	0.012	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0058	U	0.0028	0.0058	0.012	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0094	U	0.0029	0.0094	0.012	mg/Kg
108-86-1	Bromobenzene	0.0058	U	0.0028	0.0058	0.012	mg/Kg
103-65-1	n-propylbenzene	0.0058	U	0.0017	0.0058	0.012	mg/Kg
95-49-8	2-Chlorotoluene	0.0058	U	0.0016	0.0058	0.012	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0058	U	0.0019	0.0058	0.012	mg/Kg
106-43-4	4-Chlorotoluene	0.0058	U	0.0029	0.0058	0.012	mg/Kg
98-06-6	tert-Butylbenzene	0.0058	U	0.0016	0.0058	0.012	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0058	U	0.0015	0.0058	0.012	mg/Kg
135-98-8	sec-Butylbenzene	0.0058	U	0.0015	0.0058	0.012	mg/Kg
99-87-6	p-Isopropyltoluene	0.0058	U	0.0015	0.0058	0.012	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0058	U	0.0040	0.0058	0.012	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0058	U	0.0036	0.0058	0.012	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.5
Sample Wt/Vol:	3.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022284.D	1		05/16/25 12:29	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0058	U	0.0034	0.0058	0.012	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0058	U	0.0034	0.0058	0.012	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0094	U	0.0043	0.0094	0.012	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0094	U	0.0069	0.0094	0.012	mg/Kg
87-68-3	Hexachlorobutadiene	0.0058	U	0.0044	0.0058	0.012	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0094	U	0.0074	0.0094	0.012	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0058	U	0.0025	0.0058	0.012	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		71 - 136		98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.9		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		79 - 119		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	291000	7.707				
540-36-3	1,4-Difluorobenzene	522000	8.616				
3114-55-4	Chlorobenzene-d5	418000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	153000	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\VY051625\
Data File : VY022284.D
Acq On : 16 May 2025 12:29
Operator : SY/MD
Sample : Q1984-13
Misc : 3.42g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

Quant Time: May 17 01:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

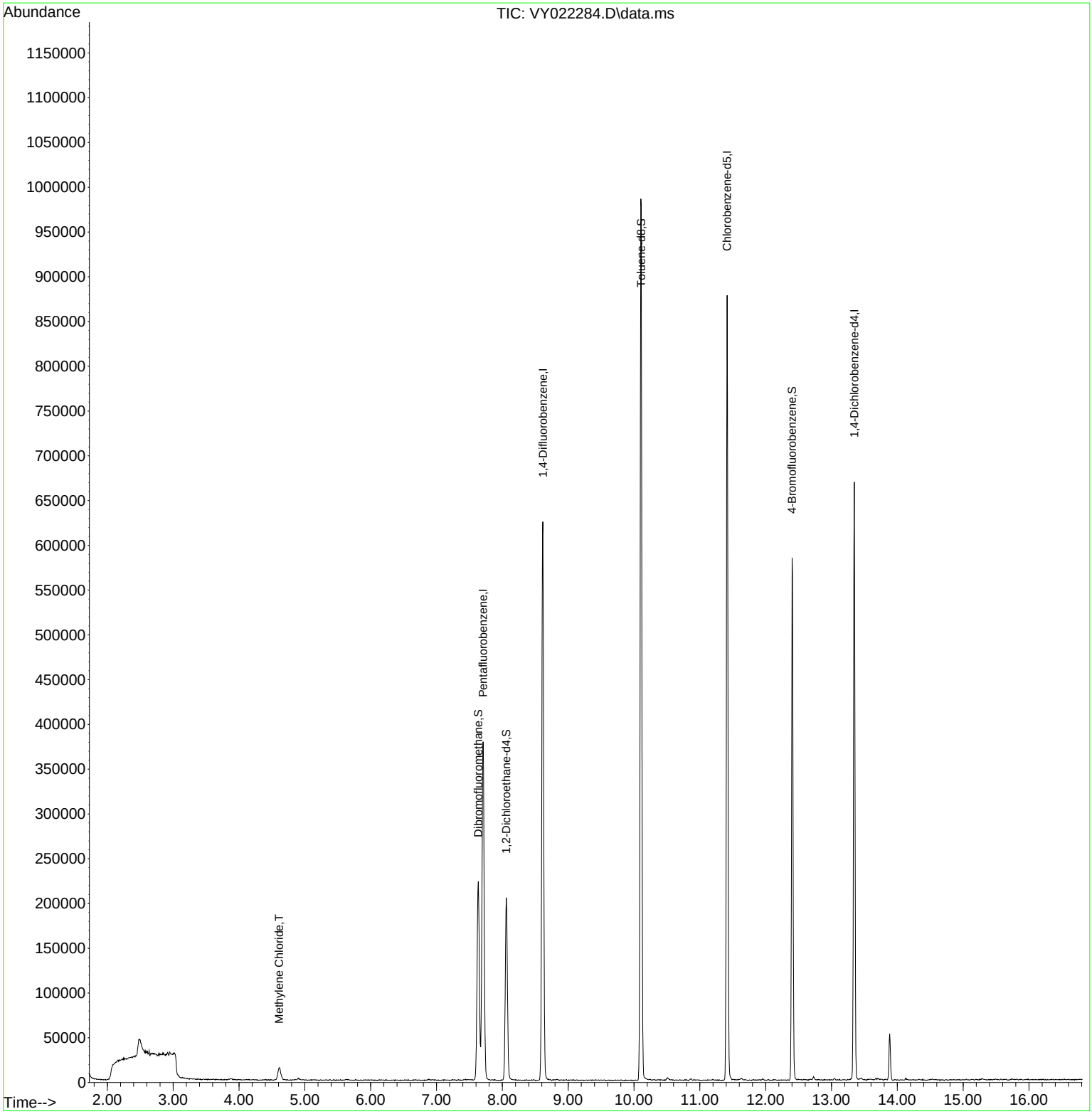
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	290740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156001	49.095	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.200%		
35) Dibromofluoromethane	7.634	113	154975	49.778	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.560%		
50) Toluene-d8	10.109	98	624035	48.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.880%		
62) 4-Bromofluorobenzene	12.402	95	162278	40.152	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.300%		
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	9836	2.555	ug/l	89

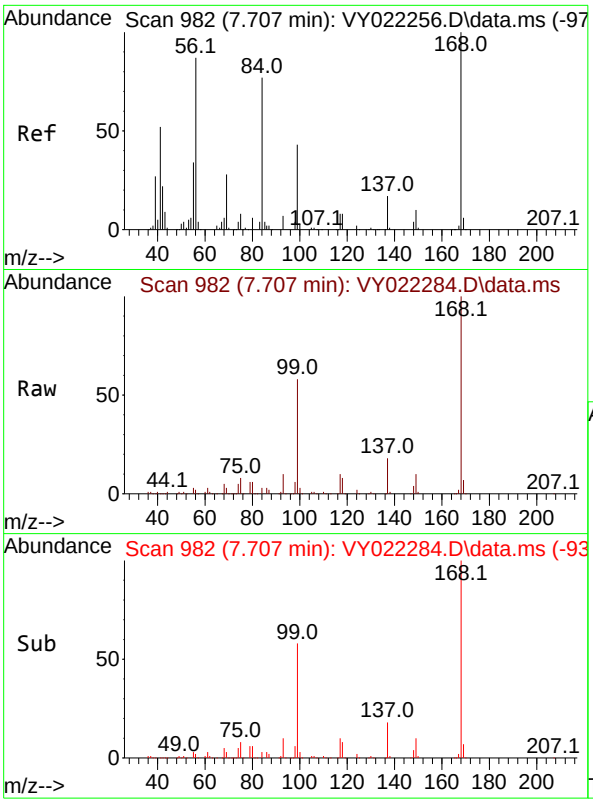
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022284.D
Acq On : 16 May 2025 12:29
Operator : SY/MD
Sample : Q1984-13
Misc : 3.42g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

Quant Time: May 17 01:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



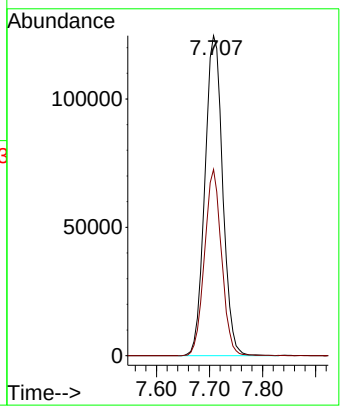


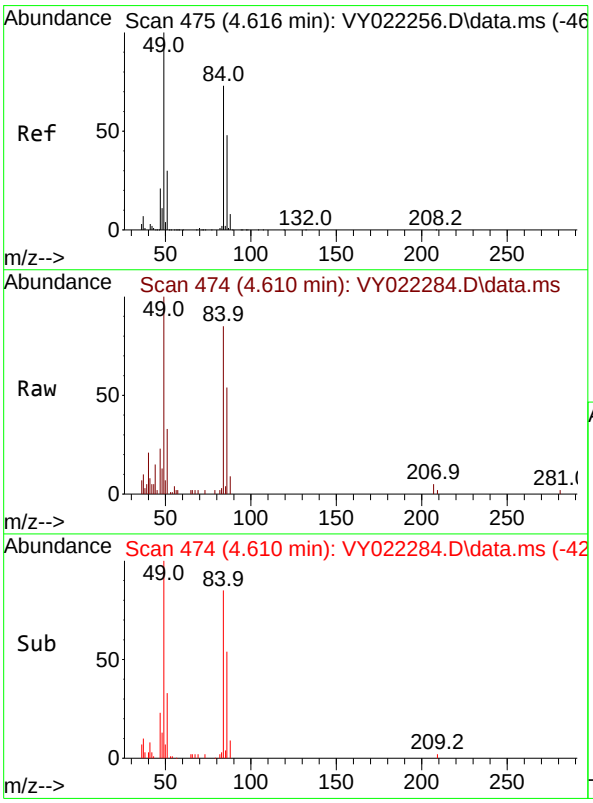
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

Tgt Ion:168 Resp: 290740

Ion	Ratio	Lower	Upper
168	100		
99	58.2	44.2	66.4

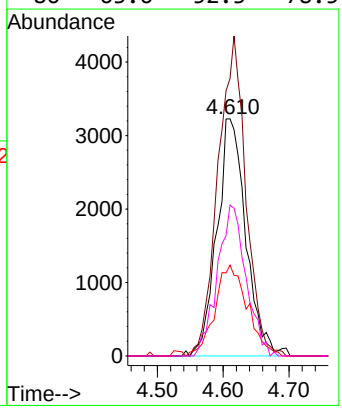


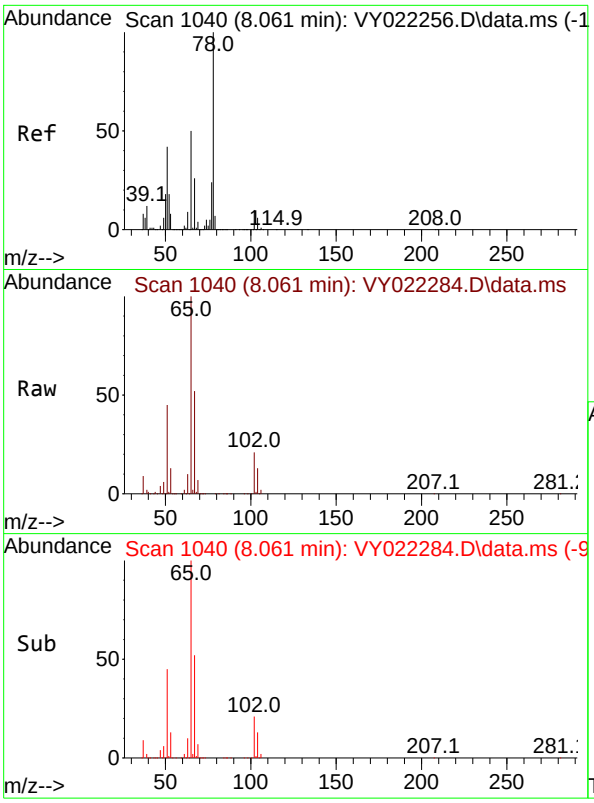


#20
Methylene Chloride
Concen: 2.555 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 84 Resp: 9836

Ion	Ratio	Lower	Upper
84	100		
49	117.1	109.6	164.4
51	36.8	32.4	48.6
86	63.6	52.3	78.5



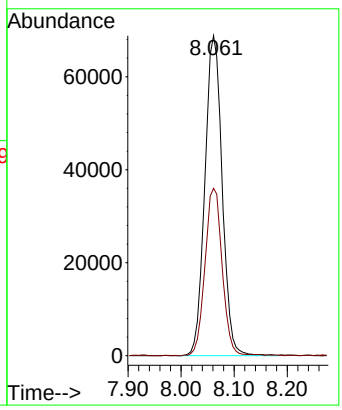


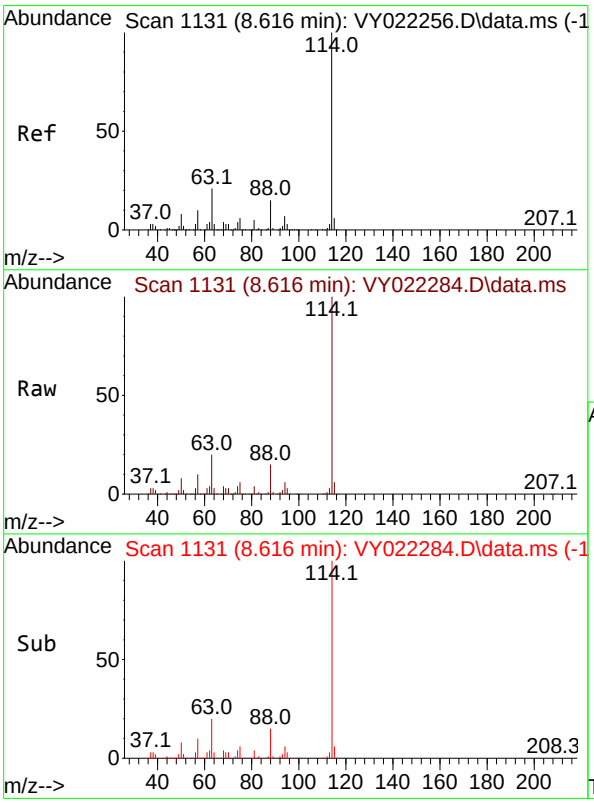
#33
1,2-Dichloroethane-d4
Concen: 49.095 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

Tgt Ion: 65 Resp: 156001

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6

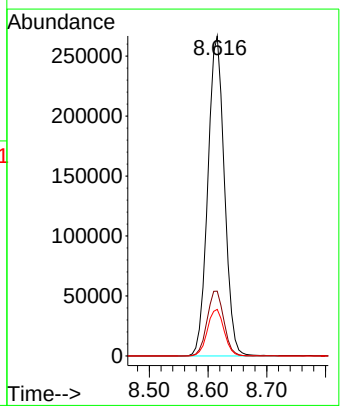


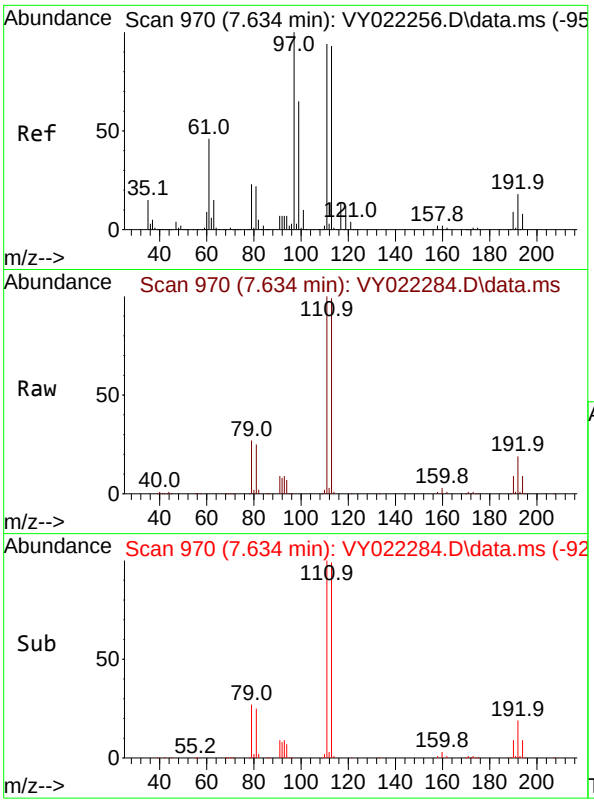


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion:114 Resp: 521620

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	14.6	0.0	29.4



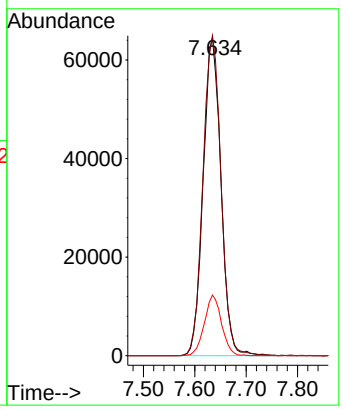


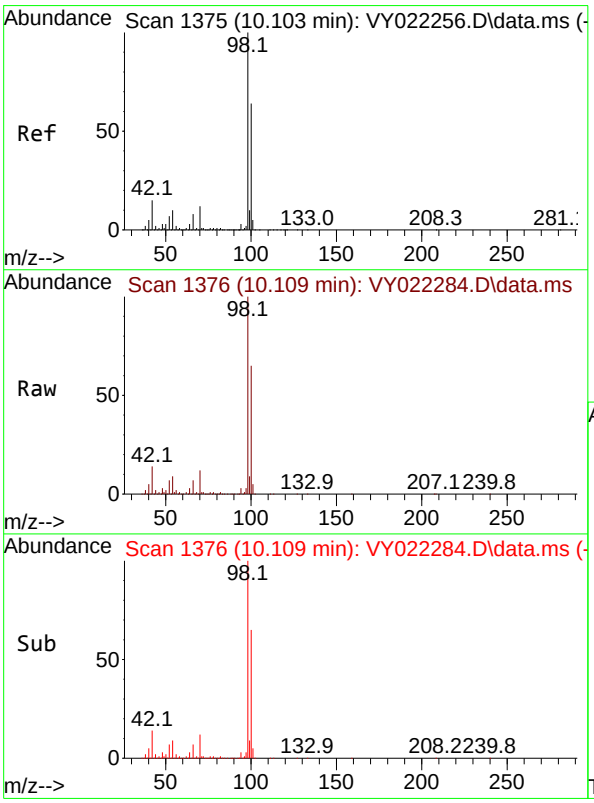
#35
Dibromofluoromethane
Concen: 49.778 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

Tgt Ion:113 Resp: 154975

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	18.4	15.2	22.8

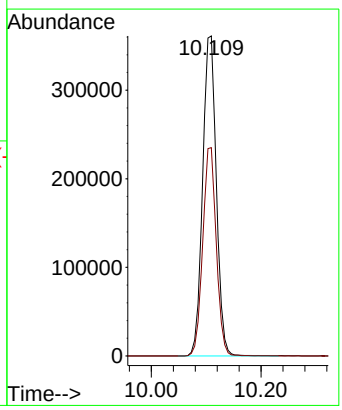


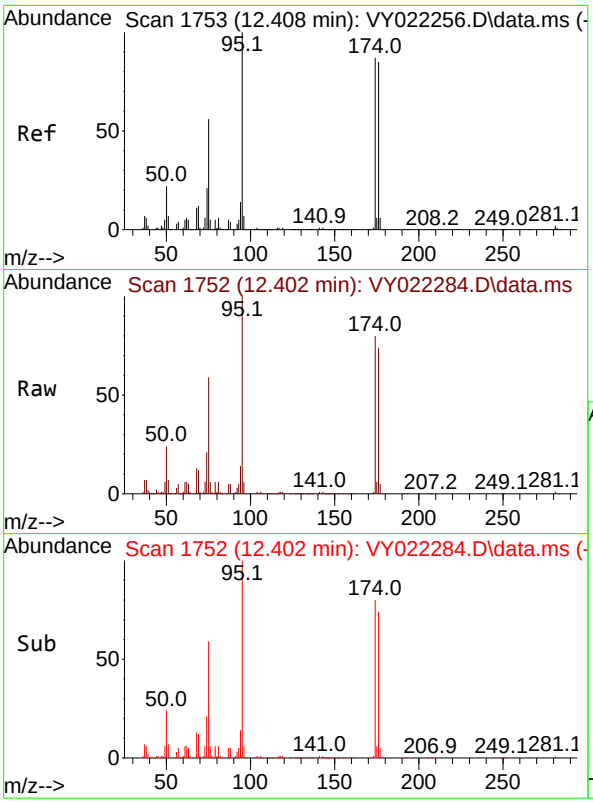


#50
Toluene-d8
Concen: 48.941 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 98 Resp: 624035

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.8



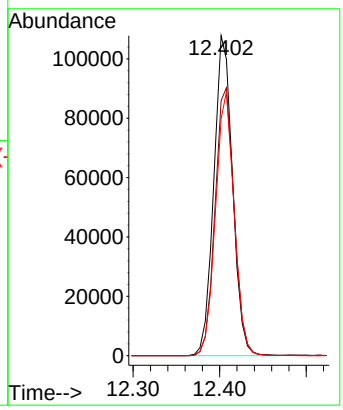


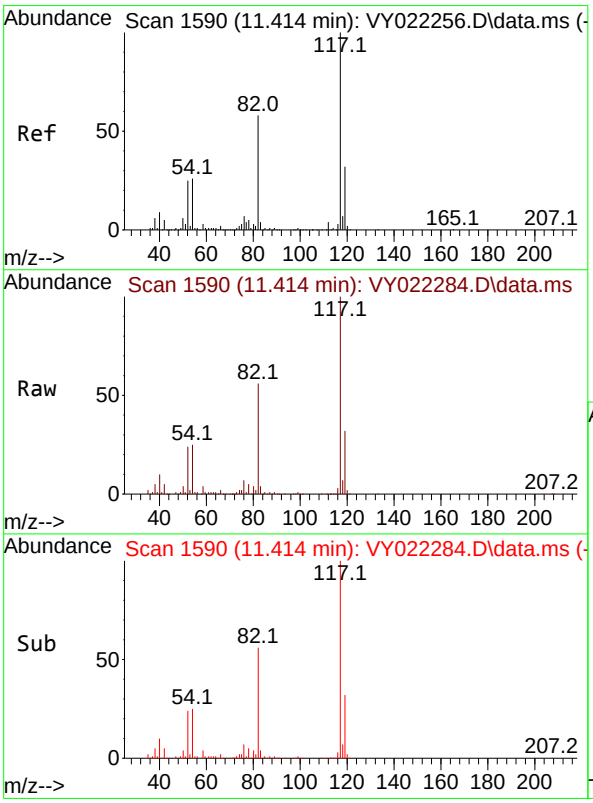
#62
4-Bromofluorobenzene
Concen: 40.152 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

Tgt Ion: 95 Resp: 162278

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	166.8
176	82.0	0.0	160.8

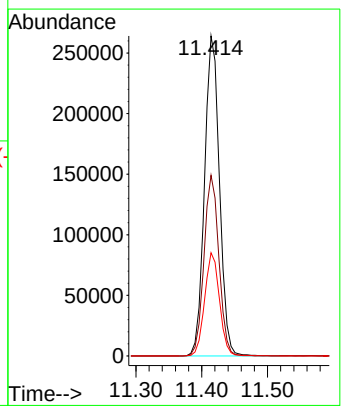


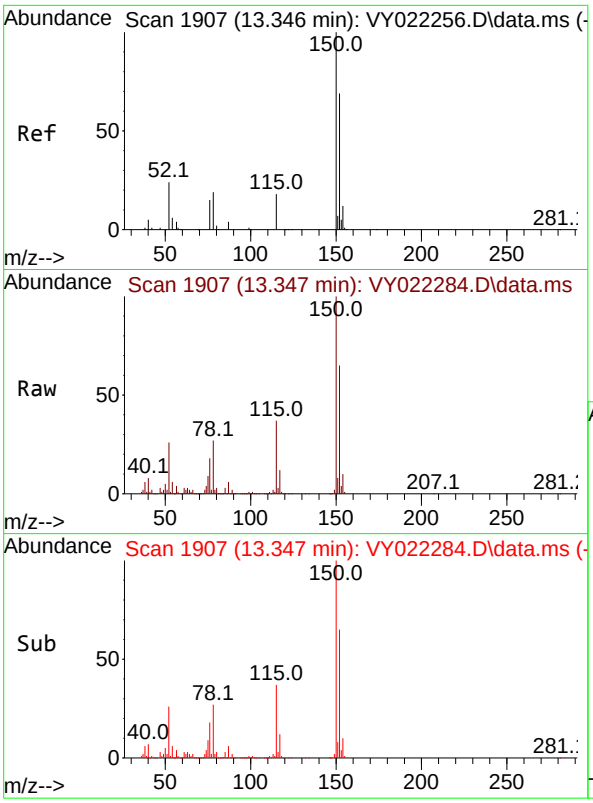


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion:117 Resp: 417665

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.6	70.0
119	32.2	25.8	38.6



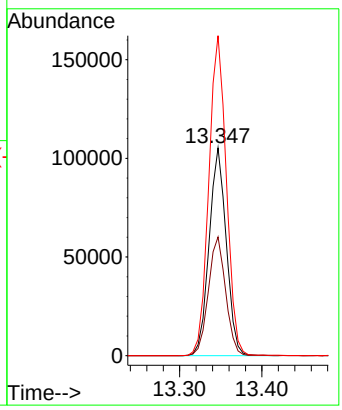


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

Tgt Ion:152 Resp: 152557

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	157.4	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	64.6
Sample Wt/Vol:	4.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022271.D	1		05/15/25 17:56	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0070	U	0.0020	0.0070	0.0088	mg/Kg
74-87-3	Chloromethane	0.0044	U	0.0020	0.0044	0.0088	mg/Kg
75-01-4	Vinyl Chloride	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
74-83-9	Bromomethane	0.0070	U	0.0019	0.0070	0.0088	mg/Kg
75-00-3	Chloroethane	0.0044	U	0.0022	0.0044	0.0088	mg/Kg
109-99-9	Tetrahydrofuran	0.022	U	0.0082	0.022	0.044	mg/Kg
75-69-4	Trichlorofluoromethane	0.0070	U	0.0021	0.0070	0.0088	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0044	U	0.0019	0.0044	0.0088	mg/Kg
75-35-4	1,1-Dichloroethene	0.0044	U	0.0018	0.0044	0.0088	mg/Kg
107-13-1	Acrylonitrile	0.022	U	0.0087	0.022	0.044	mg/Kg
67-64-1	Acetone	0.035	U	0.0083	0.035	0.044	mg/Kg
75-15-0	Carbon Disulfide	0.0070	U	0.0019	0.0070	0.0088	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0044	U	0.0013	0.0044	0.0088	mg/Kg
75-09-2	Methylene Chloride	0.014	U	0.0062	0.014	0.018	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
75-34-3	1,1-Dichloroethane	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
78-93-3	2-Butanone	0.035	U	0.012	0.035	0.044	mg/Kg
56-23-5	Carbon Tetrachloride	0.0044	U	0.0017	0.0044	0.0088	mg/Kg
594-20-7	2,2-Dichloropropane	0.0070	U	0.0022	0.0070	0.0088	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0044	U	0.0013	0.0044	0.0088	mg/Kg
67-66-3	Chloroform	0.0070	U	0.0015	0.0070	0.0088	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
563-58-6	1,1-Dichloropropene	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
71-43-2	Benzene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
107-06-2	1,2-Dichloroethane	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
79-01-6	Trichloroethene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
78-87-5	1,2-Dichloropropane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
74-95-3	Dibromomethane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
75-27-4	Bromodichloromethane	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.022	U	0.0063	0.022	0.044	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	64.6
Sample Wt/Vol:	4.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022271.D	1		05/15/25 17:56	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
142-28-9	1,3-Dichloropropane	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
591-78-6	2-Hexanone	0.022	U	0.0065	0.022	0.044	mg/Kg
124-48-1	Dibromochloromethane	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
106-93-4	1,2-Dibromoethane	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
127-18-4	Tetrachloroethene	0.0044	U	0.0018	0.0044	0.0088	mg/Kg
108-90-7	Chlorobenzene	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0044	U	0.0013	0.0044	0.0088	mg/Kg
100-41-4	Ethyl Benzene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
1330-20-7	Total Xylenes	0.013	U	0.0036	0.013	0.026	mg/Kg
179601-23-1	m/p-Xylenes	0.0088	U	0.0022	0.0088	0.018	mg/Kg
95-47-6	o-Xylene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
100-42-5	Styrene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
75-25-2	Bromoform	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
98-82-8	Isopropylbenzene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0044	U	0.0021	0.0044	0.0088	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0070	U	0.0022	0.0070	0.0088	mg/Kg
108-86-1	Bromobenzene	0.0044	U	0.0021	0.0044	0.0088	mg/Kg
103-65-1	n-propylbenzene	0.0044	U	0.0013	0.0044	0.0088	mg/Kg
95-49-8	2-Chlorotoluene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
106-43-4	4-Chlorotoluene	0.0044	U	0.0021	0.0044	0.0088	mg/Kg
98-06-6	tert-Butylbenzene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
135-98-8	sec-Butylbenzene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
99-87-6	p-Isopropyltoluene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0044	U	0.0030	0.0044	0.0088	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0044	U	0.0027	0.0044	0.0088	mg/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	64.6
Sample Wt/Vol:	4.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022271.D	1		05/15/25 17:56	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0044	U	0.0025	0.0044	0.0088	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0044	U	0.0025	0.0044	0.0088	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0070	U	0.0032	0.0070	0.0088	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0070	U	0.0052	0.0070	0.0088	mg/Kg
87-68-3	Hexachlorobutadiene	0.0044	U	0.0033	0.0044	0.0088	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0070	U	0.0056	0.0070	0.0088	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0044	U	0.0019	0.0044	0.0088	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.1		85 - 116		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.7	*	79 - 119		61%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	296000	7.707				
540-36-3	1,4-Difluorobenzene	513000	8.61				
3114-55-4	Chlorobenzene-d5	353000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	96900	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\VY051525\
Data File : VY022271.D
Acq On : 15 May 2025 17:56
Operator : SY/MD
Sample : Q1984-15
Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

Quant Time: May 16 01:58:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

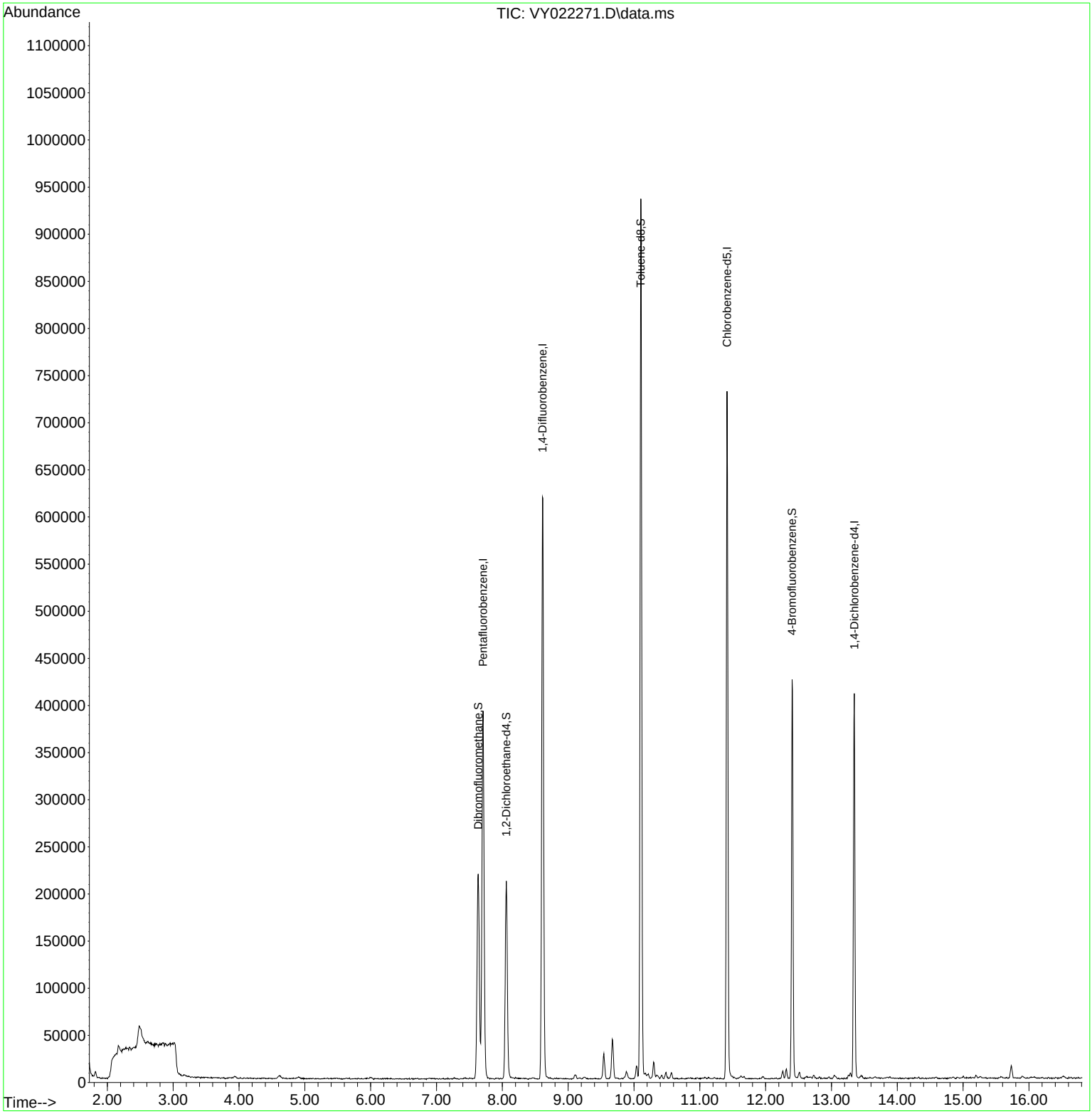
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	295768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	512727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	353419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	96887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156709	48.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.960%		
35) Dibromofluoromethane	7.634	113	152579	49.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.720%		
50) Toluene-d8	10.103	98	590210	47.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.180%		
62) 4-Bromofluorobenzene	12.402	95	122043	30.721	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	61.440%		
Target Compounds						Qvalue

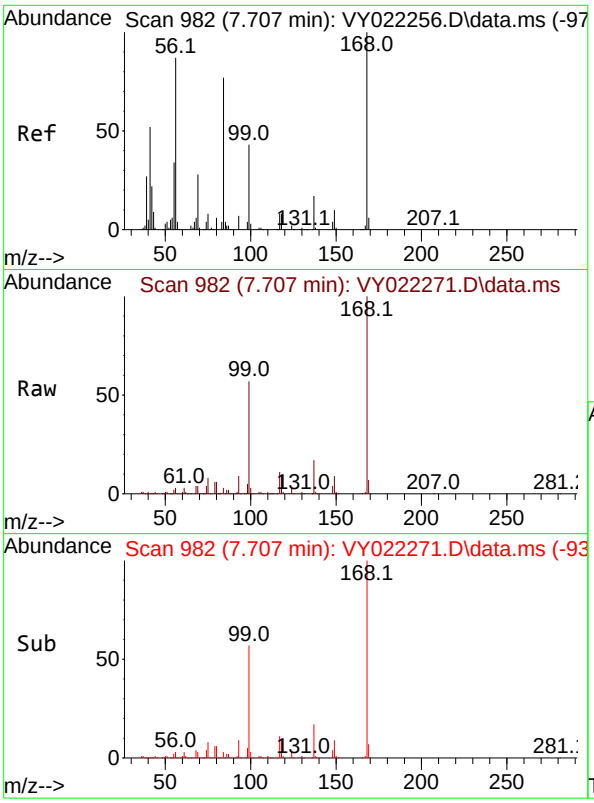
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022271.D
Acq On : 15 May 2025 17:56
Operator : SY/MD
Sample : Q1984-15
Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

Quant Time: May 16 01:58:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



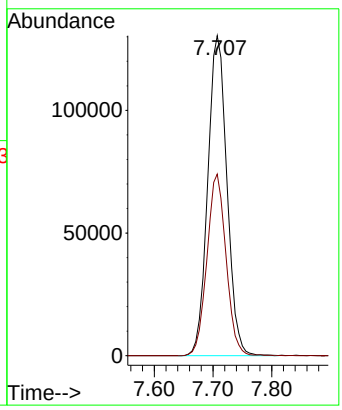


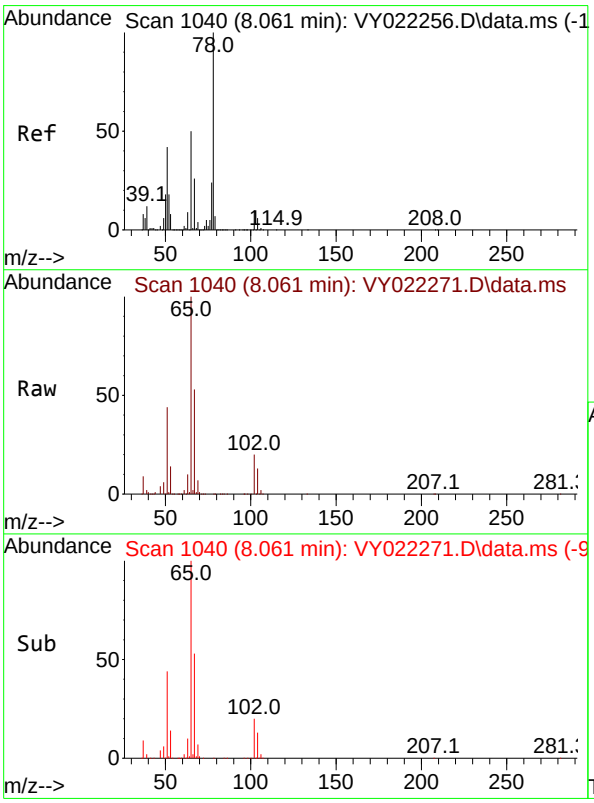
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

Tgt Ion:168 Resp: 295768

Ion	Ratio	Lower	Upper
168	100		
99	56.8	44.2	66.4

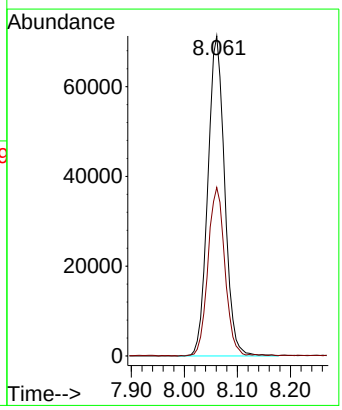


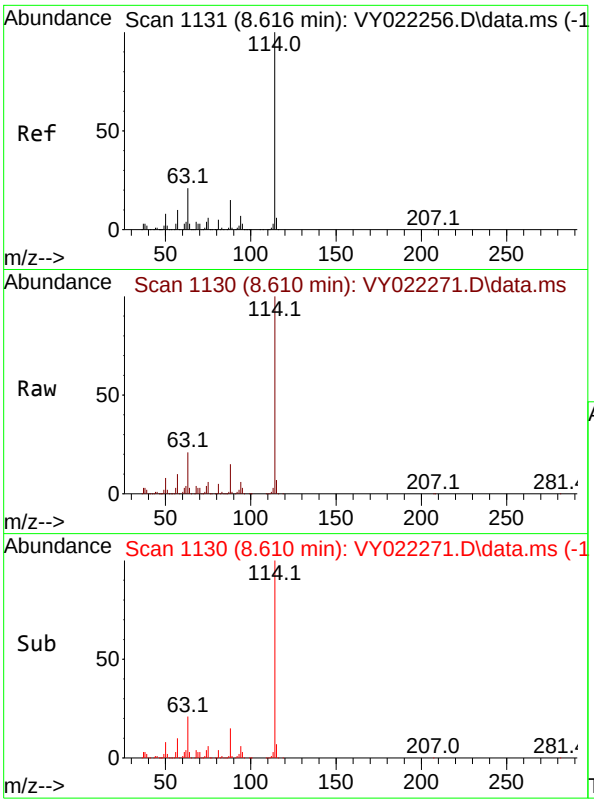


#33
1,2-Dichloroethane-d4
Concen: 48.480 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 65 Resp: 156709

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	104.6



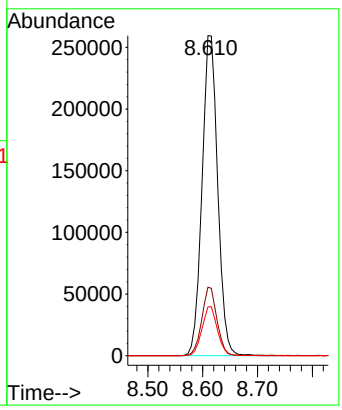


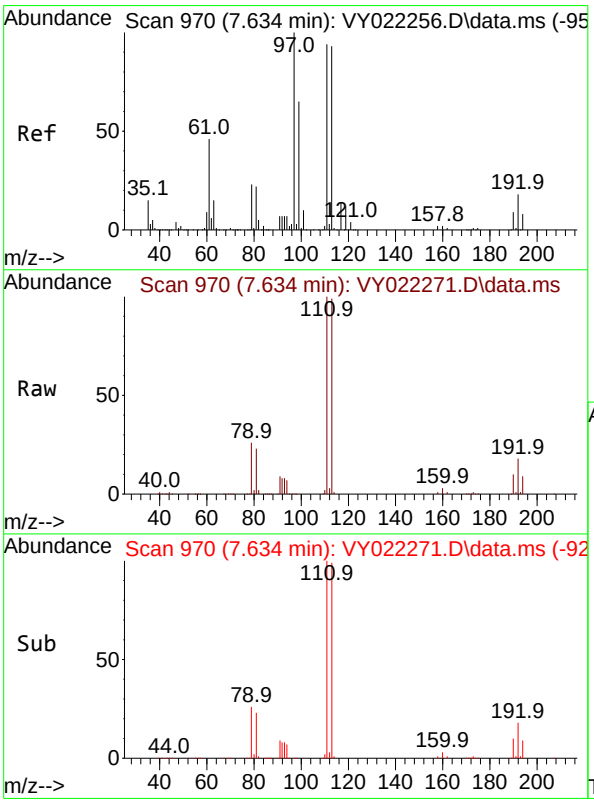
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

Tgt Ion:114 Resp: 512727

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.0
88	15.3	0.0	29.4

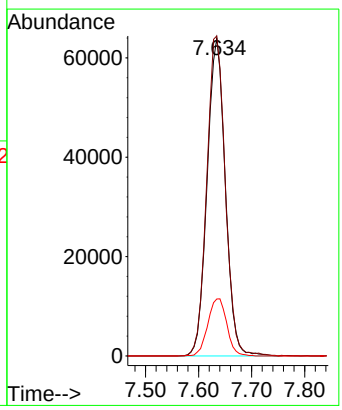


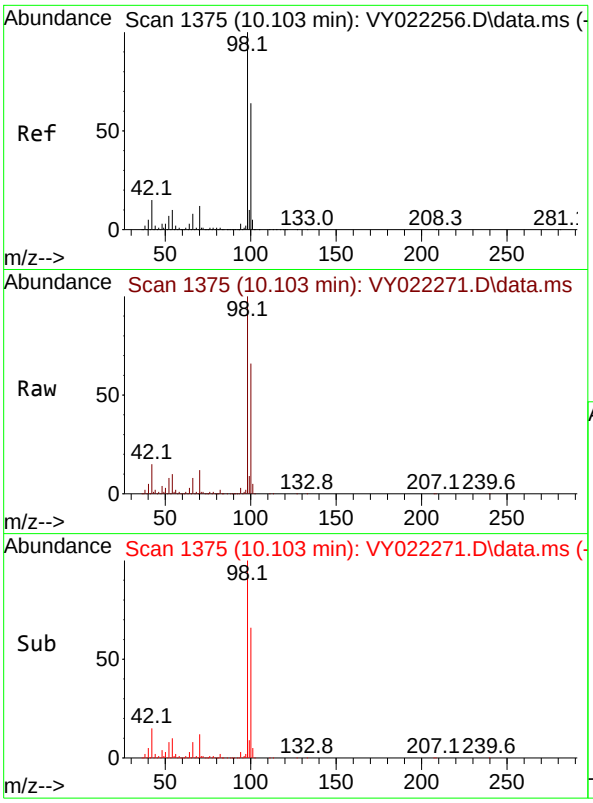


#35
Dibromofluoromethane
Concen: 49.858 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion:113 Resp: 152579

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	18.8	15.2	22.8



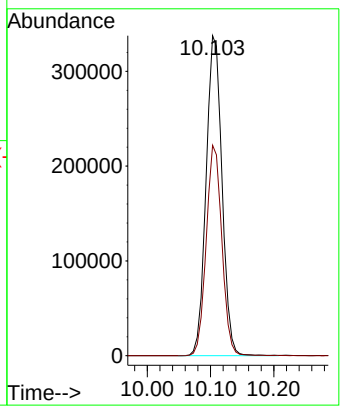


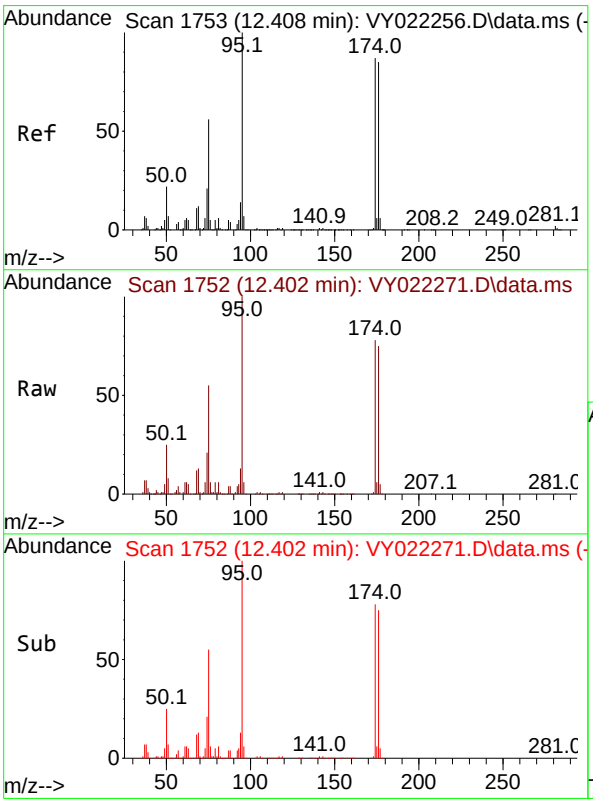
#50
Toluene-d8
Concen: 47.091 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

Tgt Ion: 98 Resp: 590210

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8

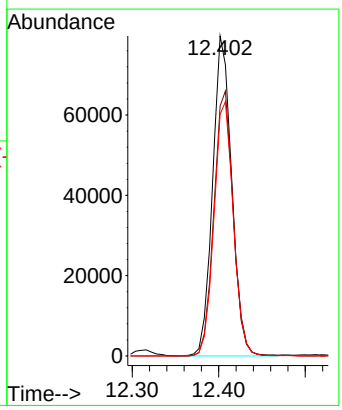


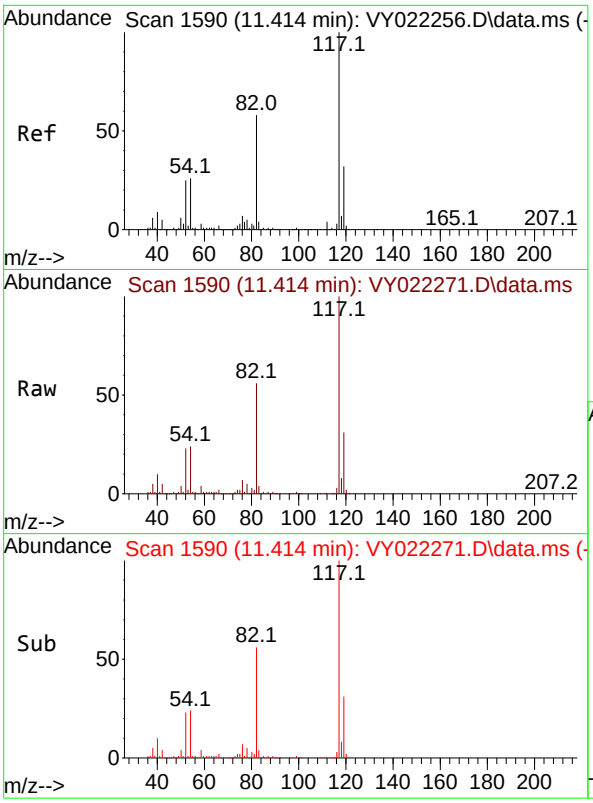


#62
4-Bromofluorobenzene
Concen: 30.721 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 95 Resp: 122043

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	166.8
176	80.4	0.0	160.8



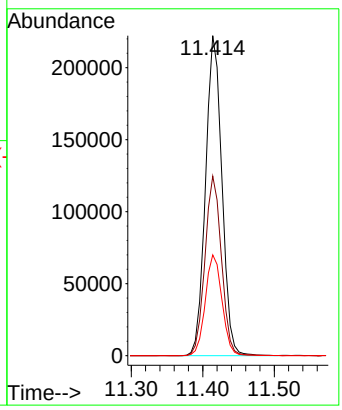


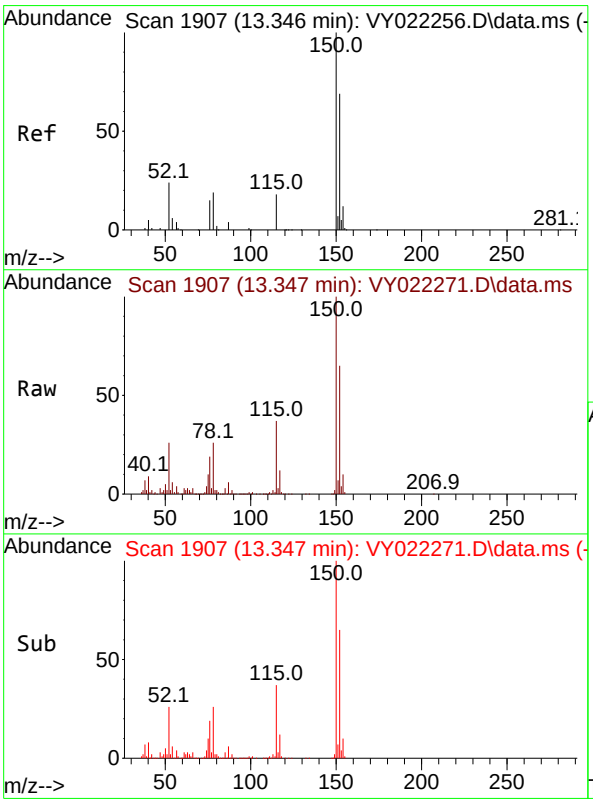
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

Tgt Ion:117 Resp: 353419

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.6	70.0
119	31.5	25.8	38.6

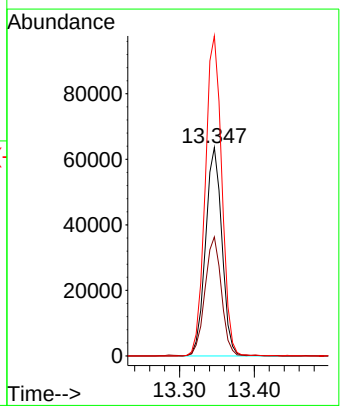




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion:152 Resp: 96887

Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.4	88.2
150	155.2	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725RE	SDG No.:	Q1984
Lab Sample ID:	Q1984-15RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	64.6
Sample Wt/Vol:	3.65 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
VY022285.D	1		05/16/25 12:54	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0085	U	0.0024	0.0085	0.011	mg/Kg
74-87-3	Chloromethane	0.0053	U	0.0024	0.0053	0.011	mg/Kg
75-01-4	Vinyl Chloride	0.0053	U	0.0017	0.0053	0.011	mg/Kg
74-83-9	Bromomethane	0.0085	U	0.0023	0.0085	0.011	mg/Kg
75-00-3	Chloroethane	0.0053	U	0.0027	0.0053	0.011	mg/Kg
109-99-9	Tetrahydrofuran	0.027	U	0.0099	0.027	0.053	mg/Kg
75-69-4	Trichlorofluoromethane	0.0085	U	0.0026	0.0085	0.011	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0053	U	0.0022	0.0053	0.011	mg/Kg
75-35-4	1,1-Dichloroethene	0.0053	U	0.0021	0.0053	0.011	mg/Kg
107-13-1	Acrylonitrile	0.027	U	0.011	0.027	0.053	mg/Kg
67-64-1	Acetone	0.073		0.010	0.042	0.053	mg/Kg
75-15-0	Carbon Disulfide	0.0085	U	0.0022	0.0085	0.011	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0053	U	0.0015	0.0053	0.011	mg/Kg
75-09-2	Methylene Chloride	0.017	U	0.0075	0.017	0.021	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0053	U	0.0018	0.0053	0.011	mg/Kg
75-34-3	1,1-Dichloroethane	0.0053	U	0.0017	0.0053	0.011	mg/Kg
78-93-3	2-Butanone	0.042	U	0.014	0.042	0.053	mg/Kg
56-23-5	Carbon Tetrachloride	0.0053	U	0.0021	0.0053	0.011	mg/Kg
594-20-7	2,2-Dichloropropane	0.0085	U	0.0027	0.0085	0.011	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0053	U	0.0016	0.0053	0.011	mg/Kg
67-66-3	Chloroform	0.0085	U	0.0018	0.0085	0.011	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0053	U	0.0020	0.0053	0.011	mg/Kg
563-58-6	1,1-Dichloropropene	0.0053	U	0.0018	0.0053	0.011	mg/Kg
71-43-2	Benzene	0.0053	U	0.0017	0.0053	0.011	mg/Kg
107-06-2	1,2-Dichloroethane	0.0053	U	0.0017	0.0053	0.011	mg/Kg
79-01-6	Trichloroethene	0.0053	U	0.0017	0.0053	0.011	mg/Kg
78-87-5	1,2-Dichloropropane	0.0053	U	0.0019	0.0053	0.011	mg/Kg
74-95-3	Dibromomethane	0.0053	U	0.0019	0.0053	0.011	mg/Kg
75-27-4	Bromodichloromethane	0.0053	U	0.0017	0.0053	0.011	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.027	U	0.0076	0.027	0.053	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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725RE	SDG No.:	Q1984
Lab Sample ID:	Q1984-15RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	64.6
Sample Wt/Vol:	3.65 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
VY022285.D	1		05/16/25 12:54	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0053	U	0.0017	0.0053	0.011	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0053	U	0.0014	0.0053	0.011	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0053	U	0.0013	0.0053	0.011	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0053	U	0.0020	0.0053	0.011	mg/Kg
142-28-9	1,3-Dichloropropane	0.0053	U	0.0014	0.0053	0.011	mg/Kg
591-78-6	2-Hexanone	0.027	U	0.0078	0.027	0.053	mg/Kg
124-48-1	Dibromochloromethane	0.0053	U	0.0018	0.0053	0.011	mg/Kg
106-93-4	1,2-Dibromoethane	0.0053	U	0.0019	0.0053	0.011	mg/Kg
127-18-4	Tetrachloroethene	0.0053	U	0.0022	0.0053	0.011	mg/Kg
108-90-7	Chlorobenzene	0.0053	U	0.0019	0.0053	0.011	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0053	U	0.0016	0.0053	0.011	mg/Kg
100-41-4	Ethyl Benzene	0.0053	U	0.0014	0.0053	0.011	mg/Kg
179601-23-1	m/p-Xylenes	0.011	U	0.0026	0.011	0.021	mg/Kg
1330-20-7	Total Xylenes	0.016	U	0.0043	0.016	0.032	mg/Kg
95-47-6	o-Xylene	0.0053	U	0.0017	0.0053	0.011	mg/Kg
100-42-5	Styrene	0.0053	U	0.0015	0.0053	0.011	mg/Kg
75-25-2	Bromoform	0.0053	U	0.0018	0.0053	0.011	mg/Kg
98-82-8	Isopropylbenzene	0.0053	U	0.0017	0.0053	0.011	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0053	U	0.0026	0.0053	0.011	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0085	U	0.0026	0.0085	0.011	mg/Kg
108-86-1	Bromobenzene	0.0053	U	0.0025	0.0053	0.011	mg/Kg
103-65-1	n-propylbenzene	0.0053	U	0.0015	0.0053	0.011	mg/Kg
95-49-8	2-Chlorotoluene	0.0053	U	0.0014	0.0053	0.011	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0053	U	0.0017	0.0053	0.011	mg/Kg
106-43-4	4-Chlorotoluene	0.0053	U	0.0026	0.0053	0.011	mg/Kg
98-06-6	tert-Butylbenzene	0.0053	U	0.0014	0.0053	0.011	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0053	U	0.0014	0.0053	0.011	mg/Kg
135-98-8	sec-Butylbenzene	0.0053	U	0.0014	0.0053	0.011	mg/Kg
99-87-6	p-Isopropyltoluene	0.0053	U	0.0013	0.0053	0.011	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0053	U	0.0036	0.0053	0.011	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0053	U	0.0033	0.0053	0.011	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725RE	SDG No.:	Q1984
Lab Sample ID:	Q1984-15RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	64.6
Sample Wt/Vol:	3.65 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
VY022285.D	1		05/16/25 12:54	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0053	U	0.0031	0.0053	0.011	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0053	U	0.0031	0.0053	0.011	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0085	U	0.0039	0.0085	0.011	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0085	U	0.0063	0.0085	0.011	mg/Kg
87-68-3	Hexachlorobutadiene	0.0053	U	0.0040	0.0053	0.011	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0085	U	0.0067	0.0085	0.011	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0053	U	0.0022	0.0053	0.011	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.9		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8	*	79 - 119		78%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	265000	7.707				
540-36-3	1,4-Difluorobenzene	453000	8.616				
3114-55-4	Chlorobenzene-d5	350000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022285.D
Acq On : 16 May 2025 12:54
Operator : SY/MD
Sample : Q1984-15RE
Misc : 3.65g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

Quant Time: May 17 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

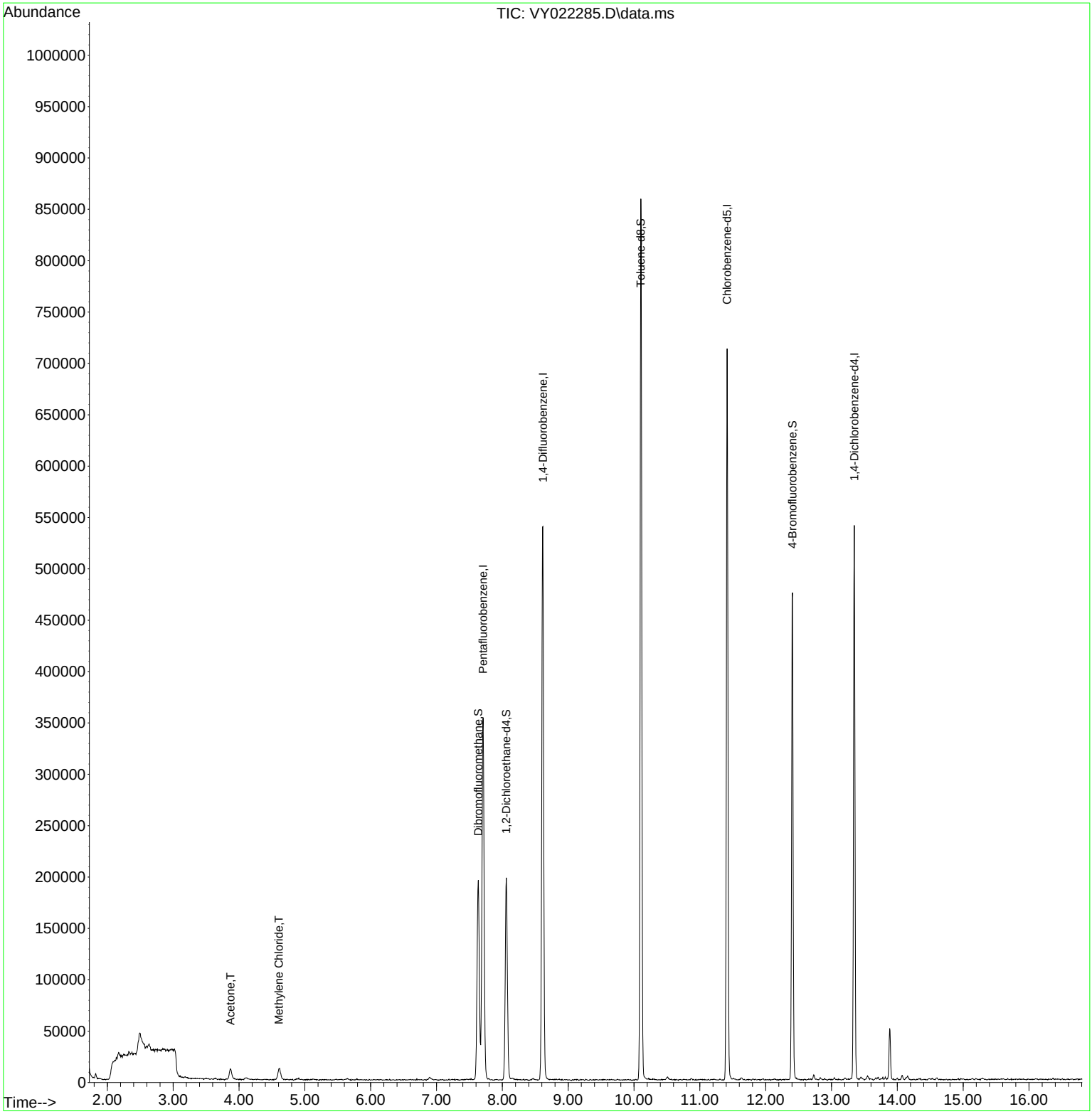
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	264515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	453356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151263	52.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.640%			
35) Dibromofluoromethane	7.634	113	135143	49.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	541839	48.893	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.780%			
62) 4-Bromofluorobenzene	12.408	95	136267	38.793	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.580%			
Target Compounds						Qvalue
16) Acetone	3.872	43	18654	34.413	ug/l	98
20) Methylene Chloride	4.604	84	7586	2.166	ug/l #	84

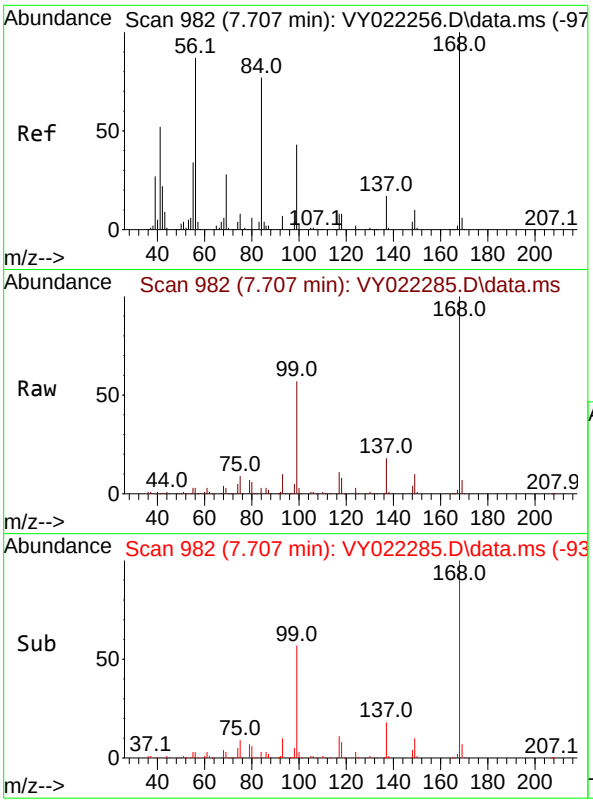
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022285.D
Acq On : 16 May 2025 12:54
Operator : SY/MD
Sample : Q1984-15RE
Misc : 3.65g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

Quant Time: May 17 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



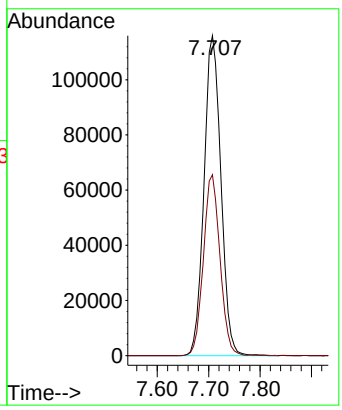


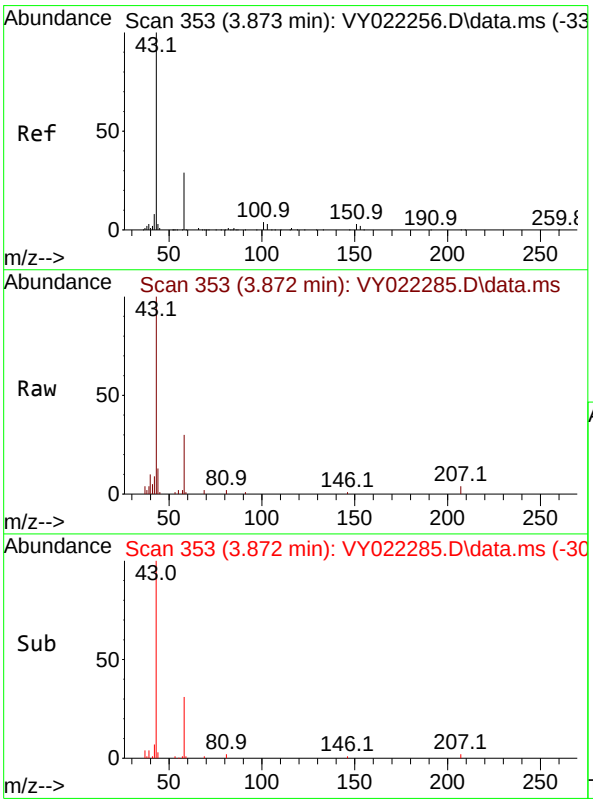
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

Tgt Ion:168 Resp: 264515

Ion	Ratio	Lower	Upper
168	100		
99	56.6	44.2	66.4

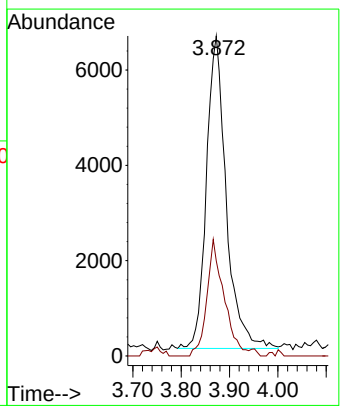


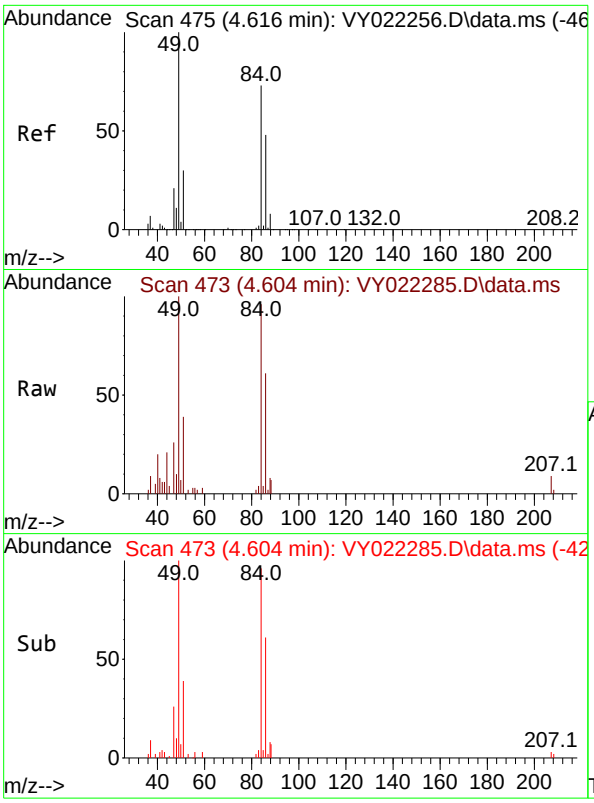


#16
Acetone
Concen: 34.413 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 43 Resp: 18654

Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.6	35.4



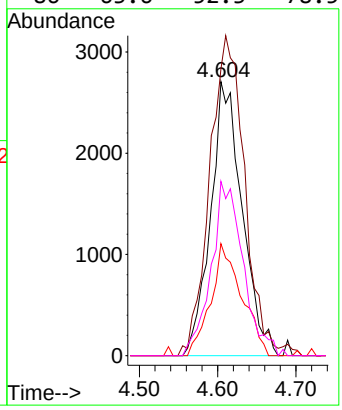


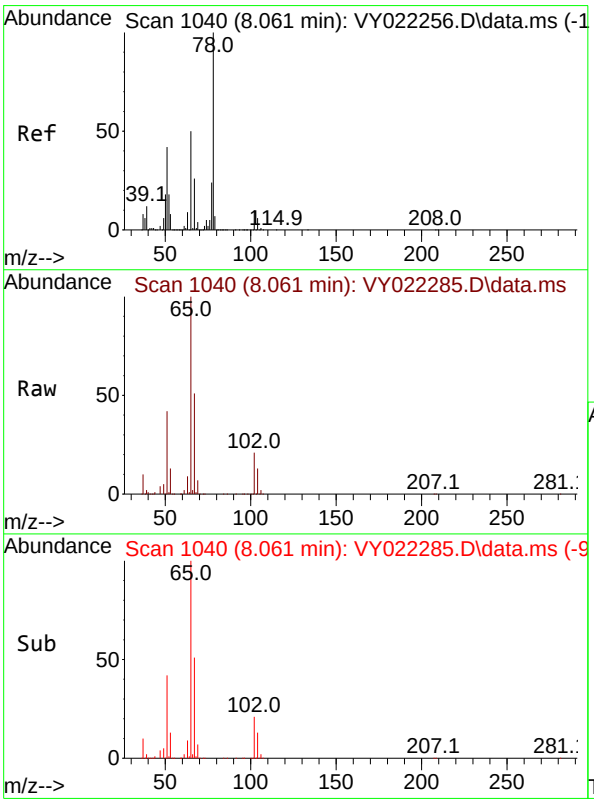
#20
Methylene Chloride
Concen: 2.166 ug/l
RT: 4.604 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

Tgt Ion: 84 Resp: 7586

Ion	Ratio	Lower	Upper
84	100		
49	104.5	109.6	164.4#
51	40.8	32.4	48.6
86	63.6	52.3	78.5

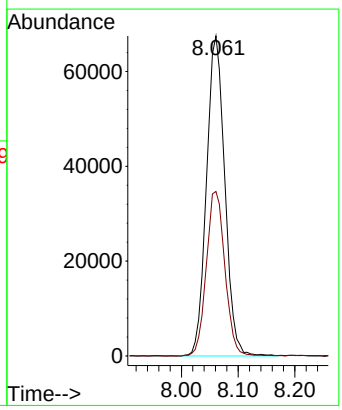


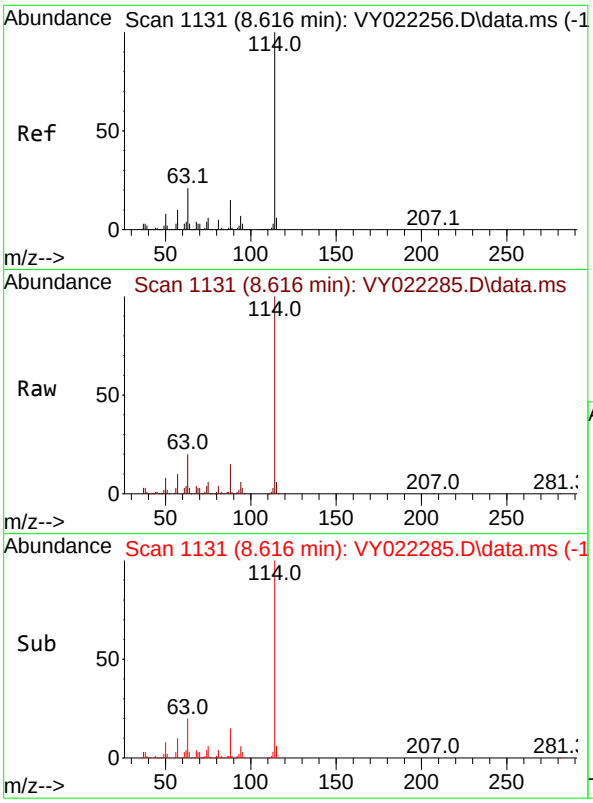


#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 65 Resp: 151263

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



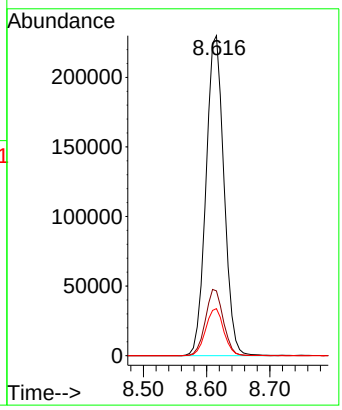


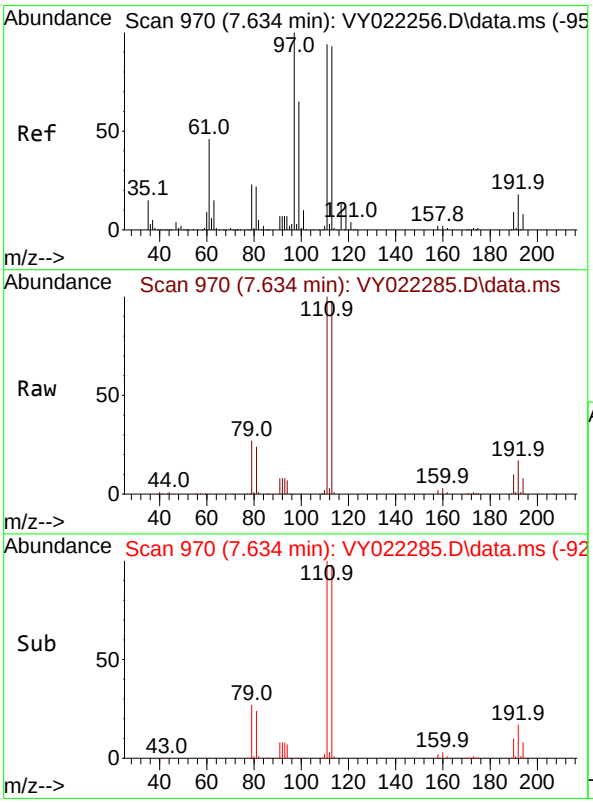
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

Tgt Ion:114 Resp: 453356

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	14.7	0.0	29.4

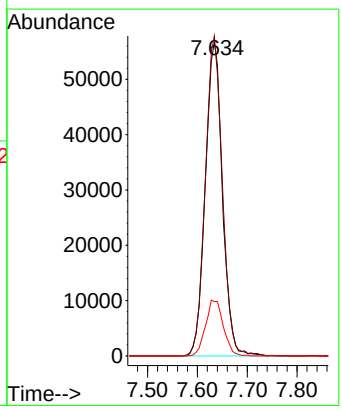


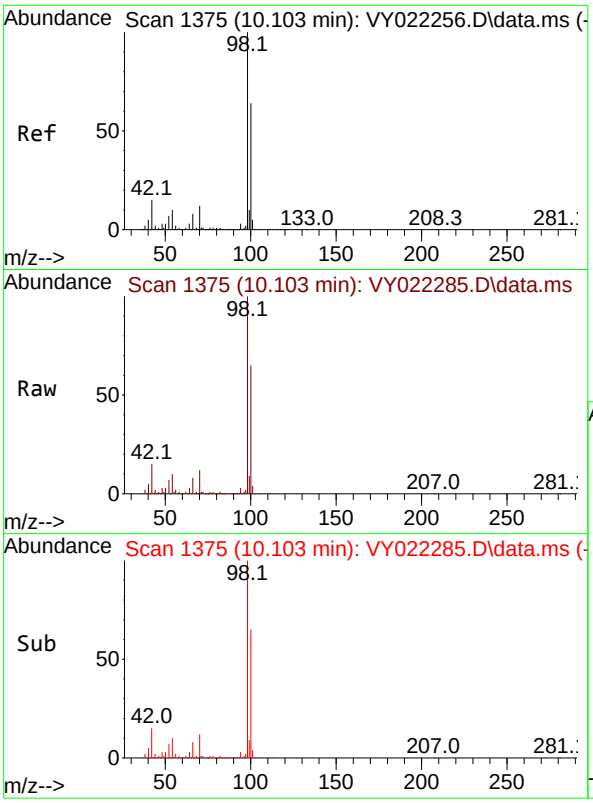


#35
Dibromofluoromethane
Concen: 49.944 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion:113 Resp: 135143

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	18.5	15.2	22.8



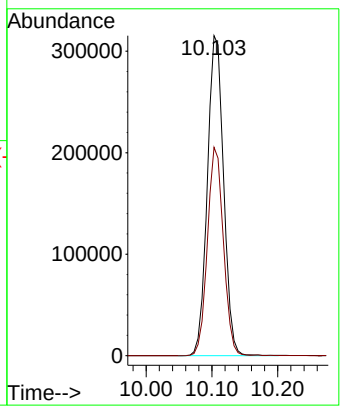


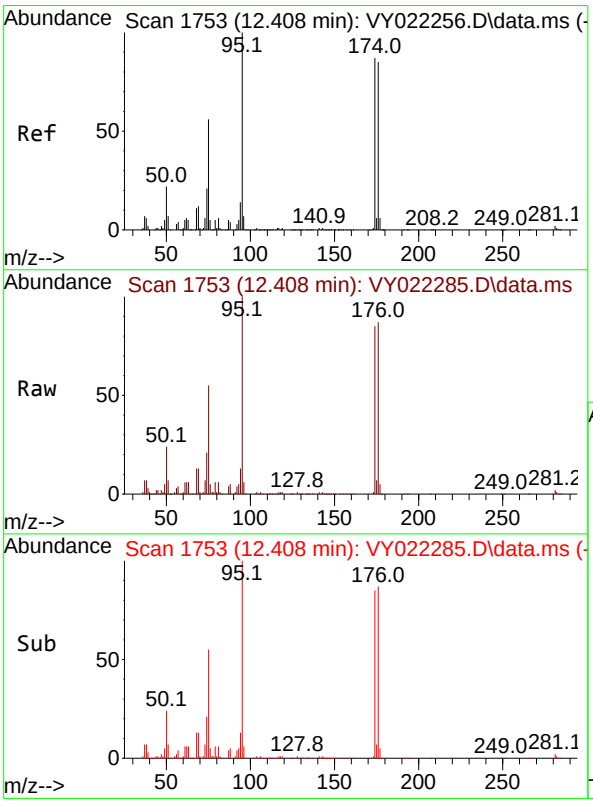
#50
Toluene-d8
Concen: 48.893 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

Tgt Ion: 98 Resp: 541839

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8

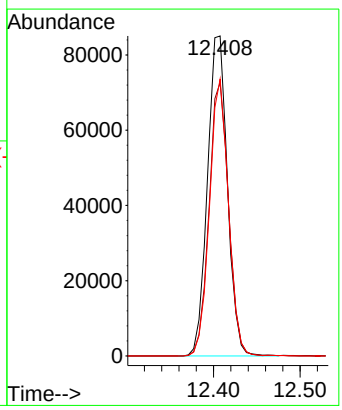


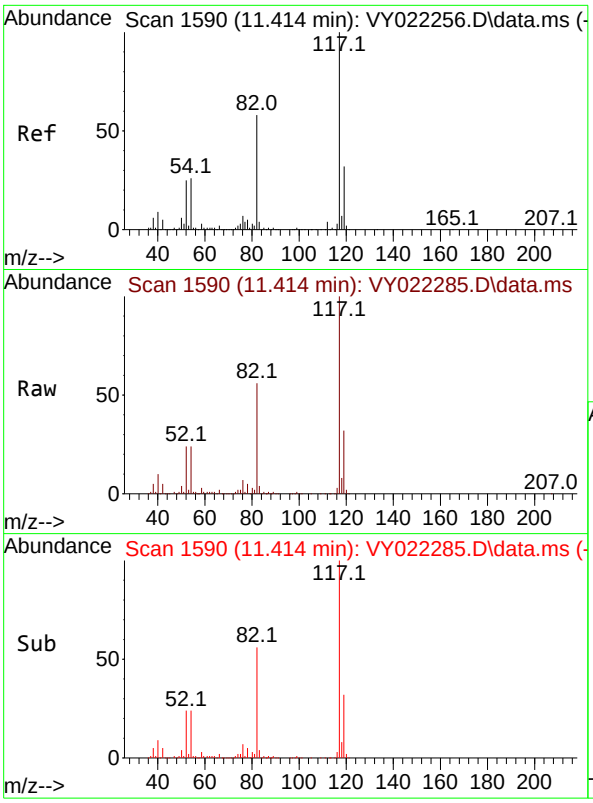


#62
4-Bromofluorobenzene
Concen: 38.793 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 95 Resp: 136267

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	166.8
176	82.2	0.0	160.8



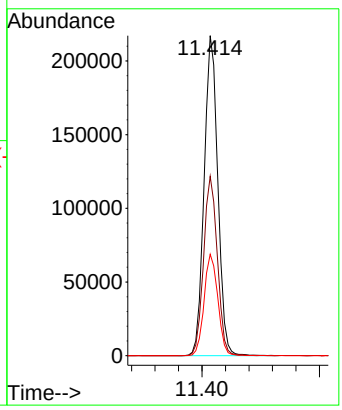


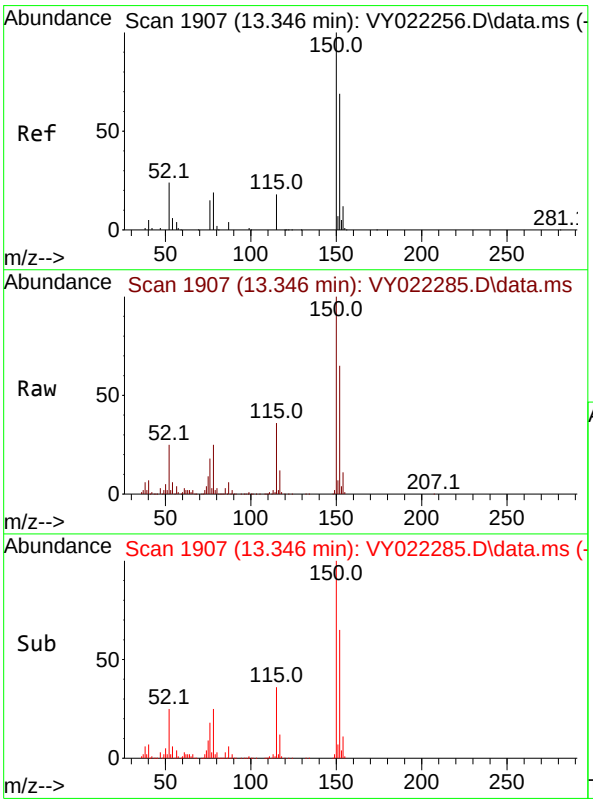
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

Tgt Ion:117 Resp: 350356

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.6	70.0
119	31.7	25.8	38.6

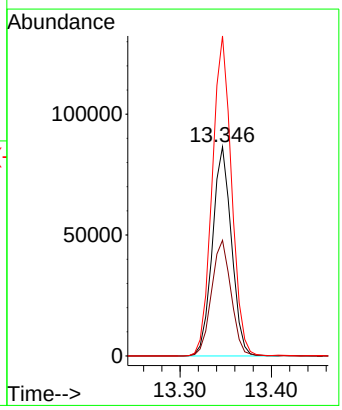




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion:152 Resp: 125365

Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.4	88.2
150	155.2	0.0	353.8



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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TB01-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022298.D	1		05/16/25 17:59	VY051625

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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TB01-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022298.D	1		05/16/25 17:59	VY051625

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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TB01-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022298.D	1		05/16/25 17:59	VY051625

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	48.7		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.9		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.9		79 - 119		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	261000	7.707				
540-36-3	1,4-Difluorobenzene	470000	8.61				
3114-55-4	Chlorobenzene-d5	376000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	137000	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\VY051625\
Data File : VY022298.D
Acq On : 16 May 2025 17:59
Operator : SY/MD
Sample : Q1984-19
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Quant Time: May 17 01:37:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

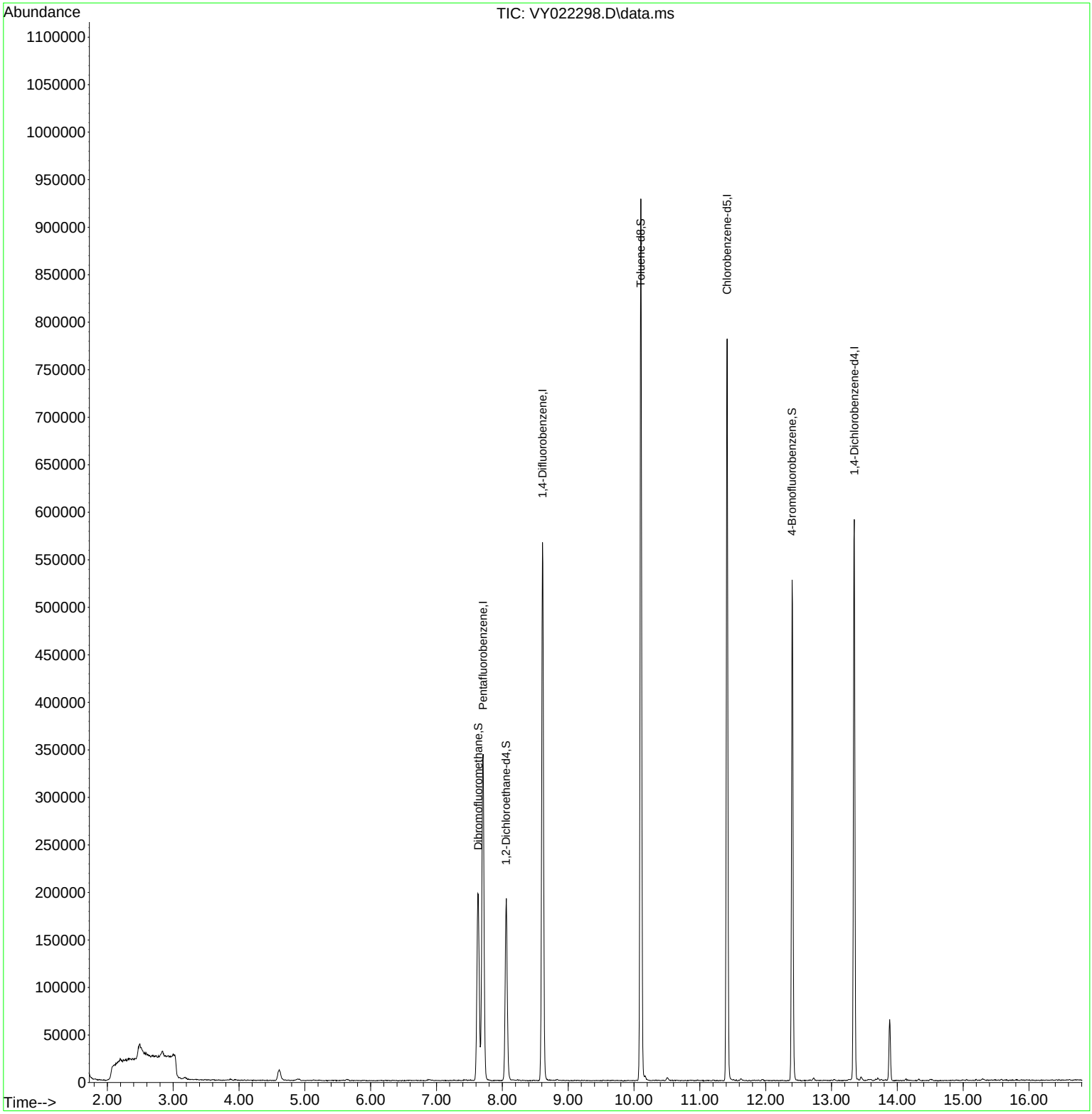
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	261424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	469953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	139002	48.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.300%			
35) Dibromofluoromethane	7.634	113	139515	49.739	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.480%			
50) Toluene-d8	10.103	98	561856	48.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.820%			
62) 4-Bromofluorobenzene	12.402	95	145431	39.940	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.880%			
Target Compounds						Qvalue

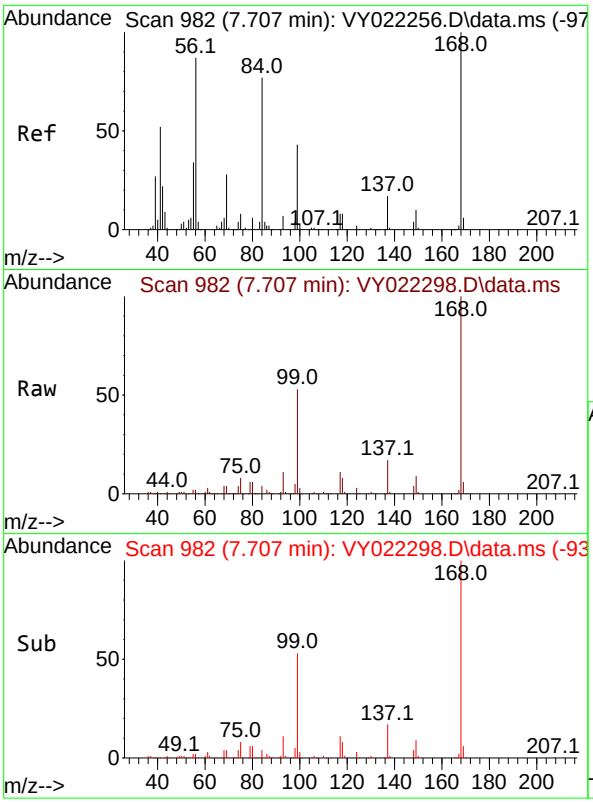
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022298.D
Acq On : 16 May 2025 17:59
Operator : SY/MD
Sample : Q1984-19
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Quant Time: May 17 01:37:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



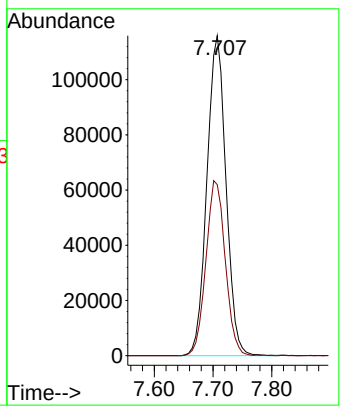


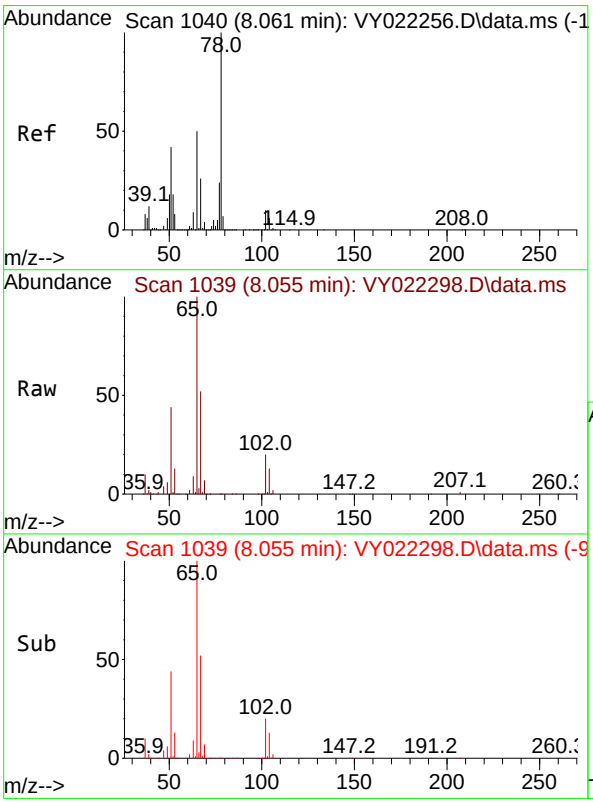
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Tgt Ion:168 Resp: 261424

Ion	Ratio	Lower	Upper
168	100		
99	53.4	44.2	66.4

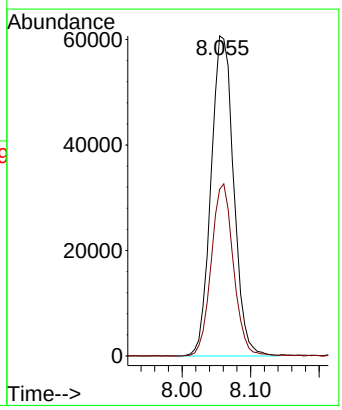


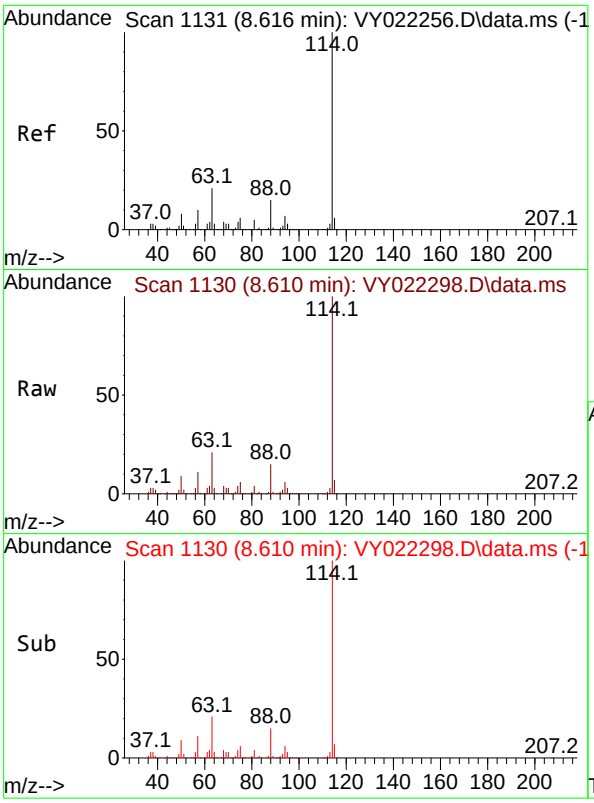


#33
1,2-Dichloroethane-d4
Concen: 48.651 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion: 65 Resp: 139002

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6



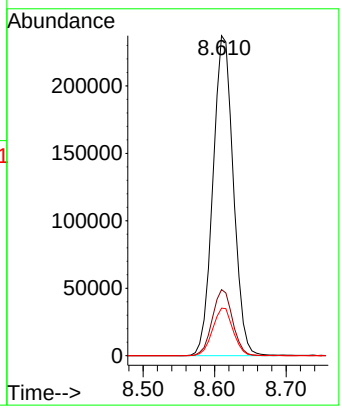


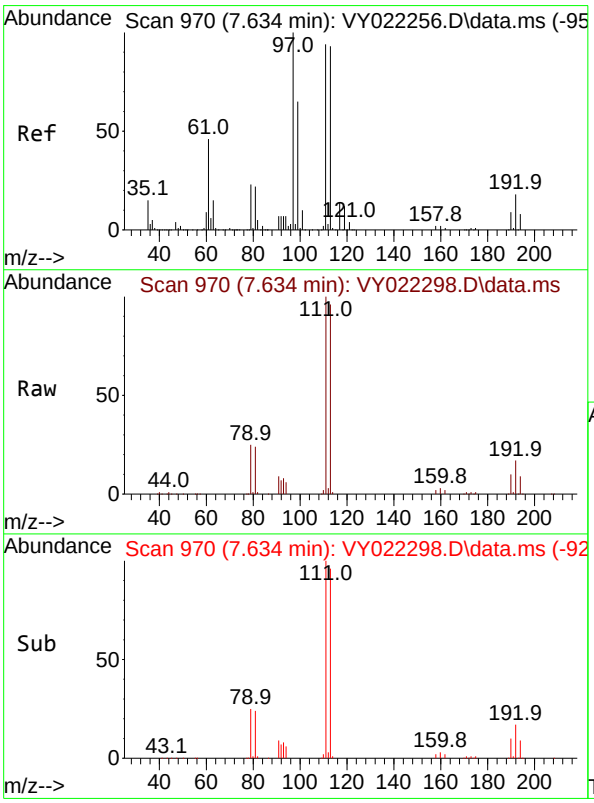
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Tgt Ion:114 Resp: 469953

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	14.9	0.0	29.4

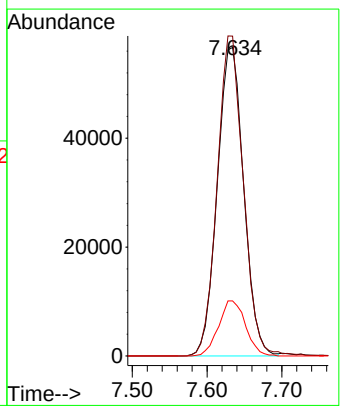


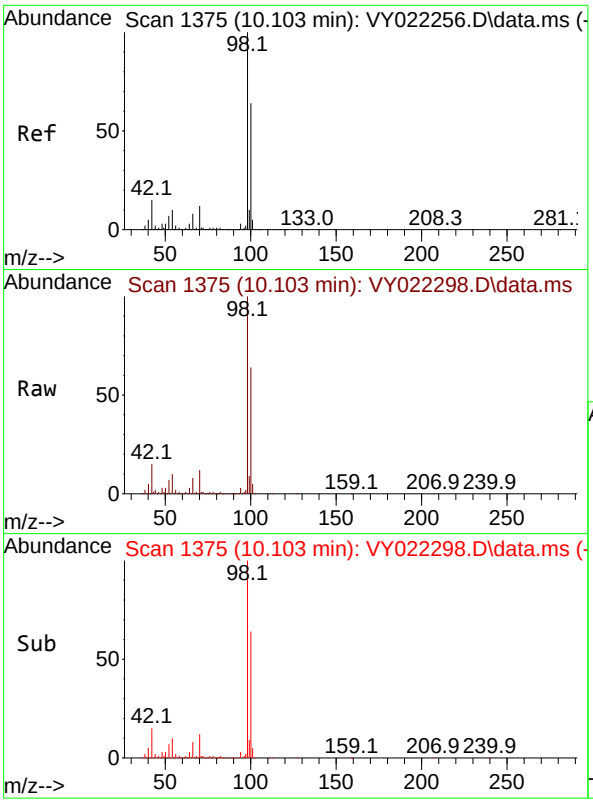


#35
Dibromofluoromethane
Concen: 49.739 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion:113 Resp: 139515

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	18.2	15.2	22.8



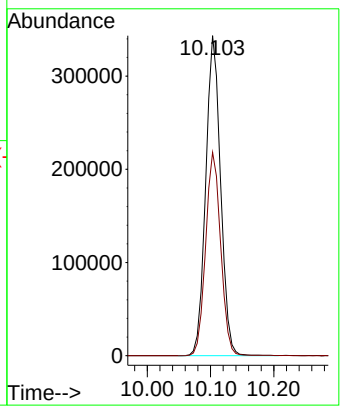


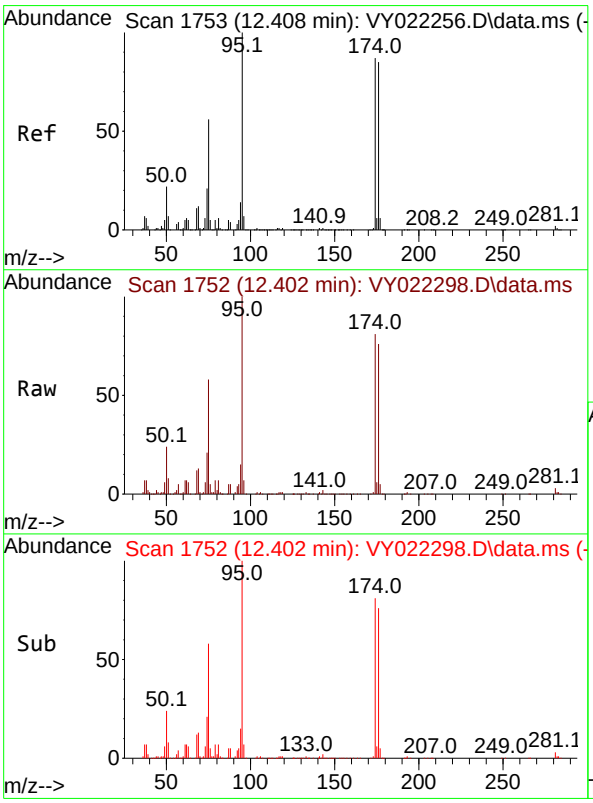
#50
Toluene-d8
Concen: 48.909 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Tgt Ion: 98 Resp: 561856

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

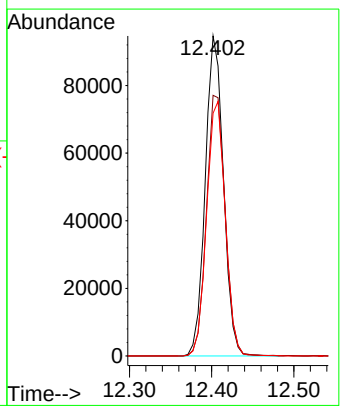


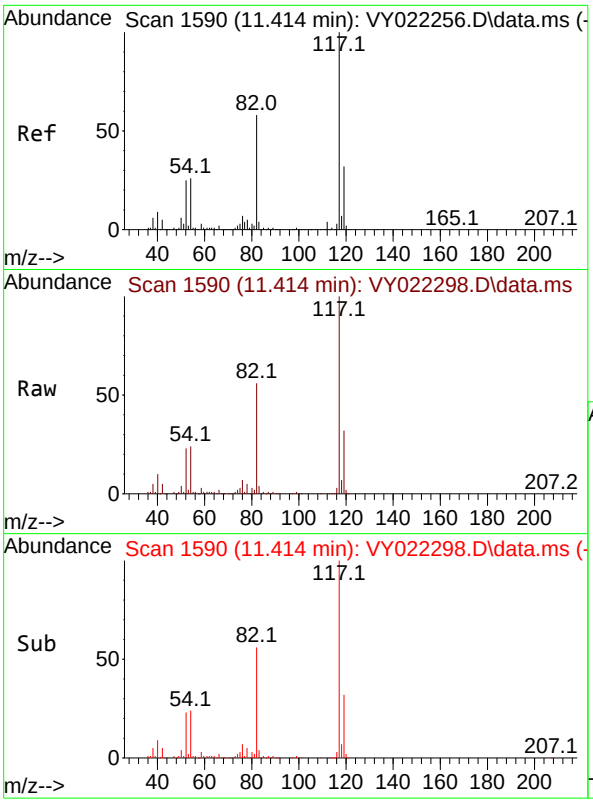


#62
4-Bromofluorobenzene
Concen: 39.940 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion: 95 Resp: 145431

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	166.8
176	81.5	0.0	160.8



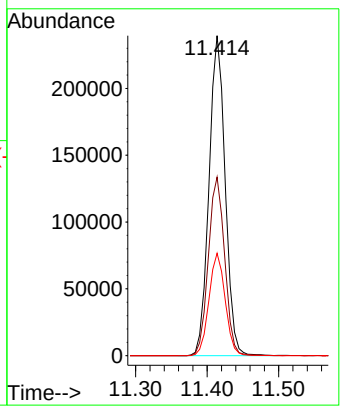


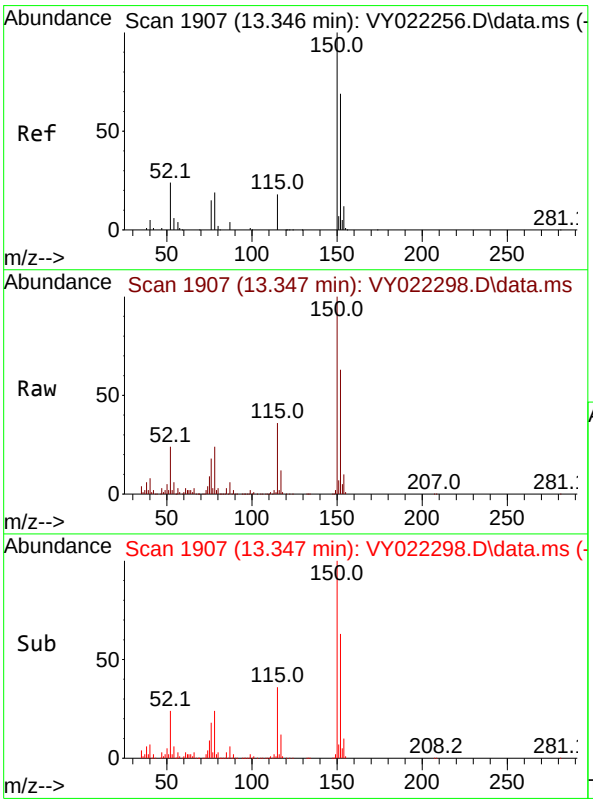
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Tgt Ion:117 Resp: 375976

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	32.0	25.8	38.6

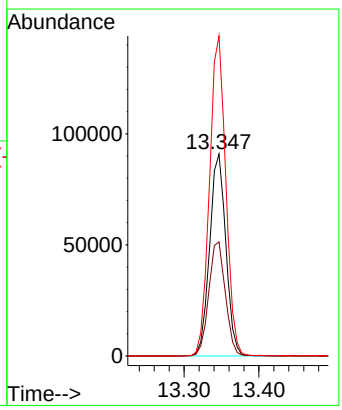




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion:152 Resp: 137120

Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.4	88.2
150	158.8	0.0	353.8



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.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.5
Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.7
Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.9
Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.3
Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.6
Tetrahydrofuran	0.105	0.116	0.102	0.107	0.116	0.116	0.110	6
Trichlorofluoromethane	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.6
1,1,2-Trichlorotrifluoroethane	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.5
1,1-Dichloroethene	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.2
Acrylonitrile	0.123	0.126	0.115	0.120	0.127	0.126	0.123	3.8
Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.6
Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.2
Methyl tert-butyl Ether	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.2
Methylene Chloride	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.3
trans-1,2-Dichloroethene	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.2
1,1-Dichloroethane	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.7
2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.6
Carbon Tetrachloride	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.2
2,2-Dichloropropane	0.994	1.024	0.971	0.987	0.961	0.968	0.984	2.3
cis-1,2-Dichloroethene	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.9
Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.7
1,1,1-Trichloroethane	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.4
1,1-Dichloropropene	0.474	0.502	0.488	0.505	0.484	0.496	0.492	2.4
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4
1,2-Dichloroethane	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.9
Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.5
1,2-Dichloropropane	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.6
Dibromomethane	0.189	0.192	0.180	0.189	0.193	0.194	0.189	2.6
Bromodichloromethane	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.4
4-Methyl-2-Pentanone	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.4

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

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.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8
t-1,3-Dichloropropene	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.7
cis-1,3-Dichloropropene	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.2
1,1,2-Trichloroethane	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.4
1,3-Dichloropropane	0.418	0.436	0.413	0.438	0.442	0.440	0.431	2.8
2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.4
Dibromochloromethane	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.9
1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.2
Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.4
Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.9
1,1,1,2-Tetrachloroethane	0.373	0.377	0.372	0.394	0.399	0.411	0.388	4.1
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.3
Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.5
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6
1,1,2,2-Tetrachloroethane	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.8
1,2,3-Trichloropropane	0.522	0.467	0.516	0.501	0.521	0.514	0.507	4.1
Bromobenzene	0.887	0.885	0.848	0.895	0.889	0.904	0.885	2.2
n-propylbenzene	5.031	5.047	4.904	5.127	4.865	5.006	4.996	1.9
2-Chlorotoluene	2.715	2.786	2.694	2.804	2.704	2.772	2.746	1.7
1,3,5-Trimethylbenzene	3.393	3.386	3.275	3.410	3.251	3.349	3.344	2
4-Chlorotoluene	2.801	2.829	2.744	2.907	2.797	2.867	2.824	2
tert-Butylbenzene	3.037	2.974	2.900	3.029	2.879	3.014	2.972	2.3
1,2,4-Trimethylbenzene	3.189	3.349	3.206	3.413	3.329	3.431	3.319	3.1
sec-Butylbenzene	4.390	4.461	4.318	4.573	4.307	4.421	4.412	2.2
p-Isopropyltoluene	3.598	3.610	3.573	3.818	3.754	3.911	3.710	3.7
1,3-Dichlorobenzene	1.757	1.774	1.715	1.838	1.839	1.914	1.806	4
1,4-Dichlorobenzene	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.4

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	3.419	3.500	3.491	3.668	3.452	3.533	3.510	2.5
1,2-Dichlorobenzene	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.3
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.7
1,2,4-Trichlorobenzene	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.2
Hexachlorobutadiene	0.511	0.485	0.496	0.502	0.474	0.464	0.489	3.6
1,2,3-Trichlorobenzene	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.6
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3
trans-1,4-Dichloro-2-butene	0.269	0.260	0.241	0.237	0.246	0.248	0.250	4.8

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022253.D 10 =VY022254.D 20 =VY022255.D 50 =VY022256.D 100 =VY022257.D 150 =VY022258.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.51
3)	P	Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.72
4)	C	Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.91#
5)	T	Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.33
6)	T	Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.56
7)	T	Trichlorofluor...	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.64
8)	T	Diethyl Ether	0.305	0.320	0.283	0.294	0.295	0.291	0.298	4.33
9)	T	1,1,2-Trichlor...	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.50
10)	T	Methyl Iodide	0.559	0.586	0.620	0.687	0.651	0.638	0.624	7.35
11)	T	Tert butyl alc...	0.045	0.045	0.037	0.039	0.042	0.042	0.042	7.70
12)	CM	1,1-Dichloroet...	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.17#
13)	T	Acrolein	0.068	0.068	0.057	0.056	0.058	0.058	0.061	8.63
14)	T	Allyl chloride	0.888	0.967	0.949	0.959	0.932	0.931	0.938	3.00
15)	T	Acrylonitrile	0.123	0.126	0.115	0.120	0.127	0.126	0.123	3.79
16)	T	Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.64
17)	T	Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.20
18)	T	Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.55
19)	T	Methyl tert-bu...	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.22
20)	T	Methylene Chlo...	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.28
21)	T	trans-1,2-Dich...	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.22
22)	T	Diisopropyl ether	1.947	2.009	1.937	1.986	2.003	2.001	1.980	1.57
23)	T	Vinyl Acetate	1.214	1.225	1.134	1.174	1.214	1.218	1.196	2.99
24)	P	1,1-Dichloroet...	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.73
25)	T	2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.60
26)	T	2,2-Dichloropr...	0.994	1.024	0.971	0.987	0.961	0.968	0.984	2.33
27)	T	cis-1,2-Dichlo...	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.91
28)	T	Bromochloromet...	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.62
29)	T	Tetrahydrofuran	0.105	0.116	0.102	0.107	0.116	0.116	0.110	5.98
30)	C	Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.66#
31)	T	Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.63
32)	T	1,1,1-Trichlor...	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.43
33)	S	1,2-Dichloroet...	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.24
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.17
36)	T	1,1-Dichloropr...	0.474	0.502	0.488	0.505	0.484	0.496	0.492	2.39
37)	T	Ethyl Acetate	0.253	0.231	0.219	0.234	0.240	0.241	0.237	4.87
38)	T	Carbon Tetrach...	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.18
39)	T	Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.30
40)	TM	Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.37
41)	T	Methacrylonitrile	0.153	0.182	0.148	0.158	0.148	0.152	0.157	8.18
42)	TM	1,2-Dichloroet...	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.86
43)	T	Isopropyl Acetate	0.510	0.527	0.480	0.514	0.534	0.530	0.516	3.83
44)	TM	Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.48
45)	C	1,2-Dichloropr...	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.58#
46)	T	Dibromomethane	0.189	0.192	0.180	0.189	0.193	0.194	0.189	2.59
47)	T	Bromodichlorom...	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.42
48)	T	Methyl methacr...	0.228	0.238	0.224	0.240	0.259	0.259	0.241	6.19
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.33
50)	S	Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.26
51)	T	4-Methyl-2-Pen...	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.43
52)	CM	Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.82#
53)	T	t-1,3-Dichloro...	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.71
54)	T	cis-1,3-Dichlo...	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.22
55)	T	1,1,2-Trichlor...	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.42
56)	T	Ethyl methacry...	0.370	0.362	0.354	0.381	0.398	0.403	0.378	5.26

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y051525S.M

57)	T	1,3-Dichloropr...	0.418	0.436	0.413	0.438	0.442	0.440	0.431	2.80
58)	T	2-Chloroethyl ...	0.141	0.150	0.144	0.183	0.197	0.203	0.170	16.60
59)	T	2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.38
60)	T	Dibromochlorom...	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.88
61)	T	1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.22
62)	S	4-Bromofluorob...	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.25
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.37
65)	PM	Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.87
66)	T	1,1,1,2-Tetrac...	0.373	0.377	0.372	0.394	0.399	0.411	0.388	4.14
67)	C	Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.13#
68)	T	m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.16
69)	T	o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.93
70)	T	Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.28
71)	P	Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.53
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.60
74)	T	N-amyl acetate	1.195	1.173	1.114	1.159	1.235	1.232	1.185	3.91
75)	P	1,1,2,2-Tetrac...	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.77
76)	T	1,2,3-Trichlor...	0.522	0.467	0.516	0.501	0.521	0.514	0.507	4.12
77)	T	Bromobenzene	0.887	0.885	0.848	0.895	0.889	0.904	0.885	2.17
78)	T	n-propylbenzene	5.031	5.047	4.904	5.127	4.865	5.006	4.996	1.93
79)	T	2-Chlorotoluene	2.715	2.786	2.694	2.804	2.704	2.772	2.746	1.71
80)	T	1,3,5-Trimethy...	3.393	3.386	3.275	3.410	3.251	3.349	3.344	1.98
81)	T	trans-1,4-Dich...	0.269	0.260	0.241	0.237	0.246	0.248	0.250	4.80
82)	T	4-Chlorotoluene	2.801	2.829	2.744	2.907	2.797	2.867	2.824	2.02
83)	T	tert-Butylbenzene	3.037	2.974	2.900	3.029	2.879	3.014	2.972	2.29
84)	T	1,2,4-Trimethy...	3.189	3.349	3.206	3.413	3.329	3.431	3.319	3.07
85)	T	sec-Butylbenzene	4.390	4.461	4.318	4.573	4.307	4.421	4.412	2.24
86)	T	p-Isopropyltol...	3.598	3.610	3.573	3.818	3.754	3.911	3.710	3.72
87)	T	1,3-Dichlorobe...	1.757	1.774	1.715	1.838	1.839	1.914	1.806	3.96
88)	T	1,4-Dichlorobe...	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.39
89)	T	n-Butylbenzene	3.419	3.500	3.490	3.668	3.452	3.533	3.510	2.47
90)	T	Hexachloroethane	0.773	0.759	0.736	0.761	0.726	0.740	0.749	2.36
91)	T	1,2-Dichlorobe...	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.27
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.68
93)	T	1,2,4-Trichlor...	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.23
94)	T	Hexachlorobuta...	0.511	0.485	0.496	0.502	0.474	0.464	0.489	3.56
95)	T	Naphthalene	1.704	1.579	1.527	1.653	1.778	1.737	1.663	5.78
96)	T	1,2,3-Trichlor...	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.64

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	276170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	174003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	15118	5.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.020%#		
35) Dibromofluoromethane	7.634	113	13854	4.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.860%#		
50) Toluene-d8	10.109	98	57575	5.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.020%#		
62) 4-Bromofluorobenzene	12.408	95	18328	5.028	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.060%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	15071	5.230	ug/l	96
3) Chloromethane	2.068	50	33477	5.523	ug/l	100
4) Vinyl Chloride	2.208	62	34943	5.159	ug/l	96
5) Bromomethane	2.598	94	30561	5.543	ug/l	99
6) Chloroethane	2.739	64	20741	4.923	ug/l	97
7) Trichlorofluoromethane	3.056	101	34641	5.052	ug/l	98
8) Diethyl Ether	3.458	74	8435	5.126	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	15124	5.081	ug/l	95
10) Methyl Iodide	4.013	142	15449	4.484	ug/l	99
11) Tert butyl alcohol	4.879	59	6159	26.722	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	15064	5.099	ug/l	93
13) Acrolein	3.653	56	9366	27.796	ug/l	94
14) Allyl chloride	4.385	41	24537	4.737	ug/l	94
15) Acrylonitrile	5.061	53	17036	25.125	ug/l	100
16) Acetone	3.879	43	17340	30.639	ug/l	91
17) Carbon Disulfide	4.110	76	48817	5.068	ug/l	99
18) Methyl Acetate	4.391	43	9639m	5.597	ug/l	
19) Methyl tert-butyl Ether	5.128	73	40392	4.959	ug/l	97
20) Methylene Chloride	4.610	84	22002	6.016	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	15943	4.889	ug/l	85
22) Diisopropyl ether	6.025	45	53760	4.915	ug/l	97
23) Vinyl Acetate	5.964	43	167594	25.361	ug/l	96
24) 1,1-Dichloroethane	5.921	63	30712	5.026	ug/l	97
25) 2-Butanone	6.903	43	24805	26.203	ug/l	91
26) 2,2-Dichloropropane	6.884	77	27440	5.048	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	18276	4.857	ug/l	98
28) Bromochloromethane	7.250	49	12774	4.901	ug/l	98
29) Tetrahydrofuran	7.268	42	14502	23.811	ug/l	93
30) Chloroform	7.421	83	28505	4.863	ug/l	94
31) Cyclohexane	7.701	56	35904	5.880	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	27801	5.170	ug/l	96
36) 1,1-Dichloropropene	7.841	75	22314	4.824	ug/l	97
37) Ethyl Acetate	6.994	43	11910	5.352	ug/l	96
38) Carbon Tetrachloride	7.823	117	22826	4.768	ug/l	98
39) Methylcyclohexane	9.109	83	31218	5.024	ug/l	98
40) Benzene	8.085	78	64430	4.699	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	7201m	4.422	ug/l		
42) 1,2-Dichloroethane	8.158	62	17934	4.837	ug/l		97
43) Isopropyl Acetate	8.201	43	23979	4.941	ug/l		99
44) Trichloroethene	8.872	130	16852	4.943	ug/l		95
45) 1,2-Dichloropropane	9.146	63	15855	4.796	ug/l		95
46) Dibromomethane	9.238	93	8879	4.980	ug/l		92
47) Bromodichloromethane	9.427	83	21906	4.736	ug/l	#	95
48) Methyl methacrylate	9.225	41	10729	4.727	ug/l		98
49) 1,4-Dioxane	9.244	88	1962	97.404	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.000	43	55880	23.464	ug/l		97
52) Toluene	10.170	92	41001	4.722	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	21842	4.839	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	24609	4.758	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	11333	4.964	ug/l	#	89
56) Ethyl methacrylate	10.438	69	17420	4.898	ug/l		98
57) 1,3-Dichloropropane	10.725	76	19684	4.852	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	33215	20.807	ug/l		100
59) 2-Hexanone	10.762	43	39307	24.617	ug/l		100
60) Dibromochloromethane	10.914	129	13908	4.693	ug/l		98
61) 1,2-Dibromoethane	11.018	107	10391	4.883	ug/l		94
64) Tetrachloroethene	10.652	164	18255	5.125	ug/l		96
65) Chlorobenzene	11.444	112	42844	4.927	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	14385	4.812	ug/l		99
67) Ethyl Benzene	11.524	91	77606	4.766	ug/l		99
68) m/p-Xylenes	11.633	106	57721	9.407	ug/l		99
69) o-Xylene	11.957	106	27130	4.673	ug/l		99
70) Styrene	11.975	104	45556	4.652	ug/l		99
71) Bromoform	12.133	173	7799	4.834	ug/l	#	94
73) Isopropylbenzene	12.255	105	72325	5.017	ug/l		98
74) N-amyl acetate	12.072	43	20793	5.043	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	11422	5.152	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	9076m	2.960	ug/l		
77) Bromobenzene	12.536	156	15441	5.015	ug/l		97
78) n-propylbenzene	12.597	91	87533	5.034	ug/l		98
79) 2-Chlorotoluene	12.682	91	47245	4.944	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	59031	5.073	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	4676	5.373	ug/l		97
82) 4-Chlorotoluene	12.780	91	48737	4.959	ug/l		98
83) tert-Butylbenzene	12.999	119	52841	5.109	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	55488	4.804	ug/l		97
85) sec-Butylbenzene	13.176	105	76384	4.975	ug/l		97
86) p-Isopropyltoluene	13.292	119	62608	4.849	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	30564	4.863	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	30610	5.063	ug/l		96
89) n-Butylbenzene	13.621	91	59485	4.869	ug/l		99
90) Hexachloroethane	13.883	117	13445	5.158	ug/l		96
91) 1,2-Dichlorobenzene	13.664	146	26556	5.030	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1865	5.217	ug/l		98
93) 1,2,4-Trichlorobenzene	14.926	180	14961	4.906	ug/l		94
94) Hexachlorobutadiene	15.029	225	8887	5.226	ug/l		99
95) Naphthalene	15.151	128	29654	5.124	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	13097	5.063	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

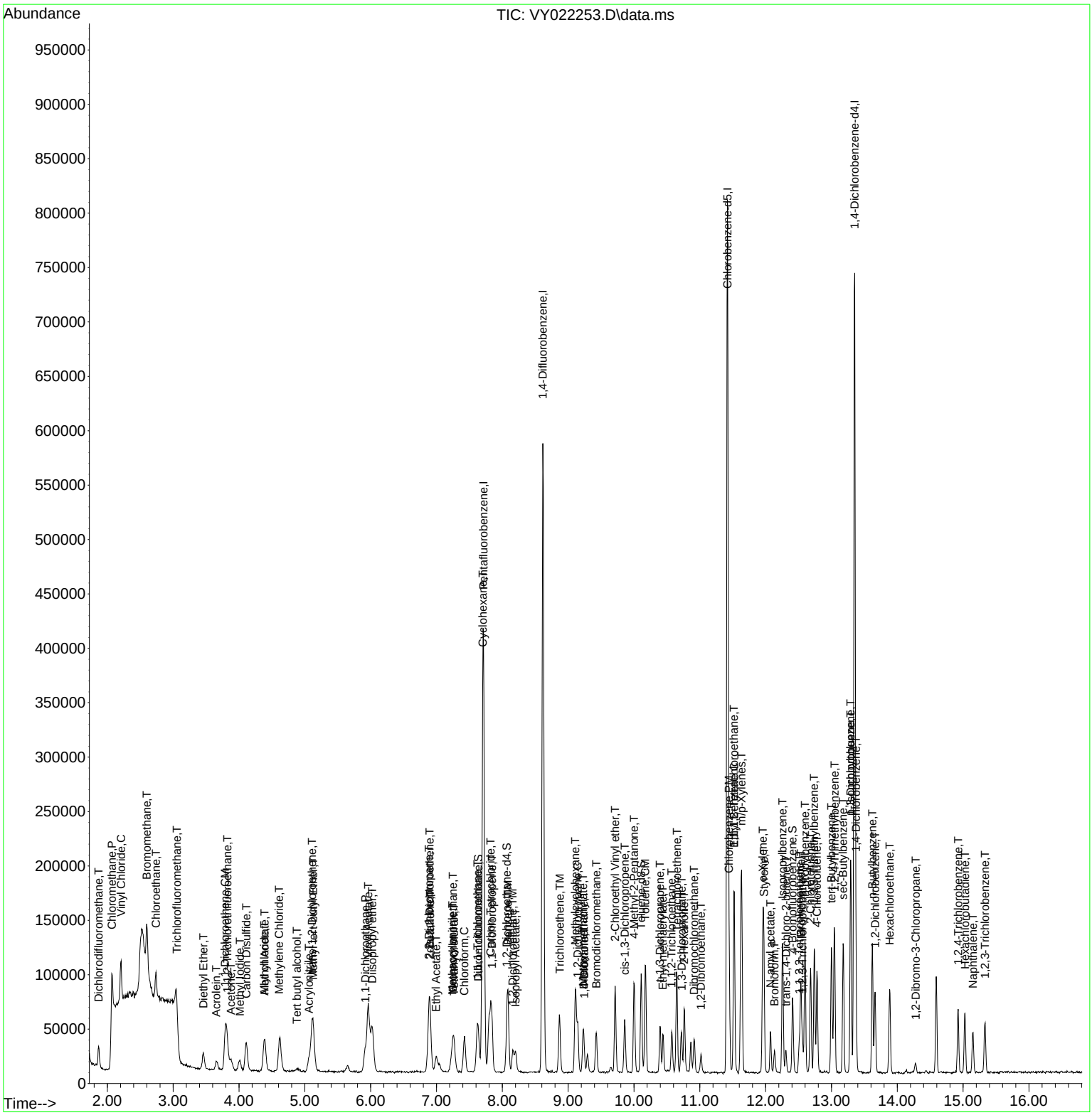
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

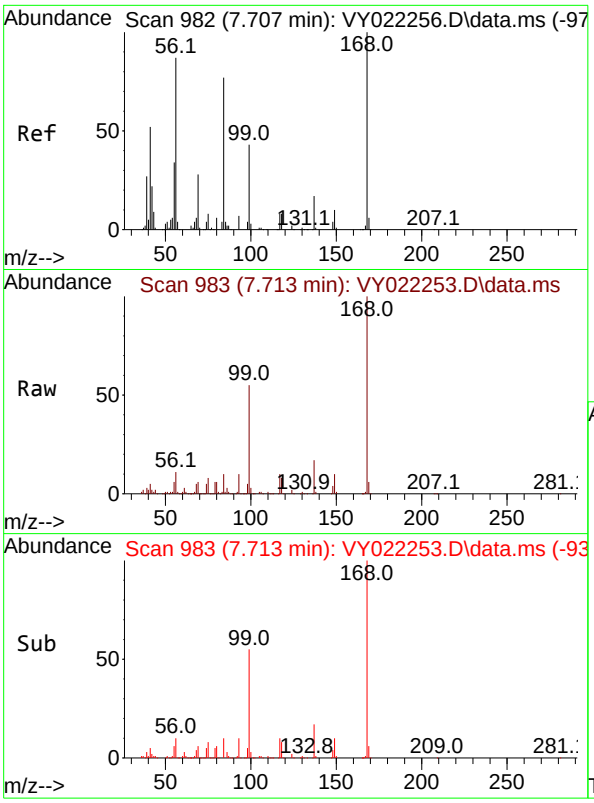
Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

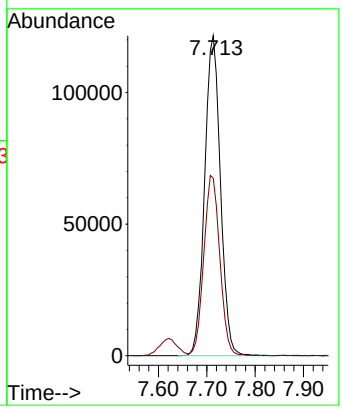




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:168 Resp: 27617

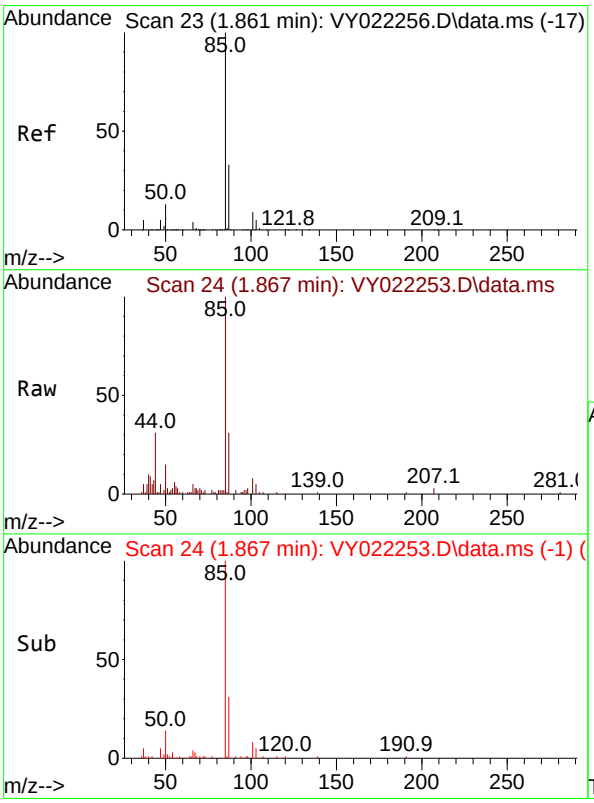
Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

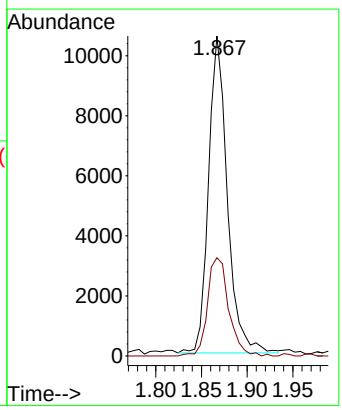
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

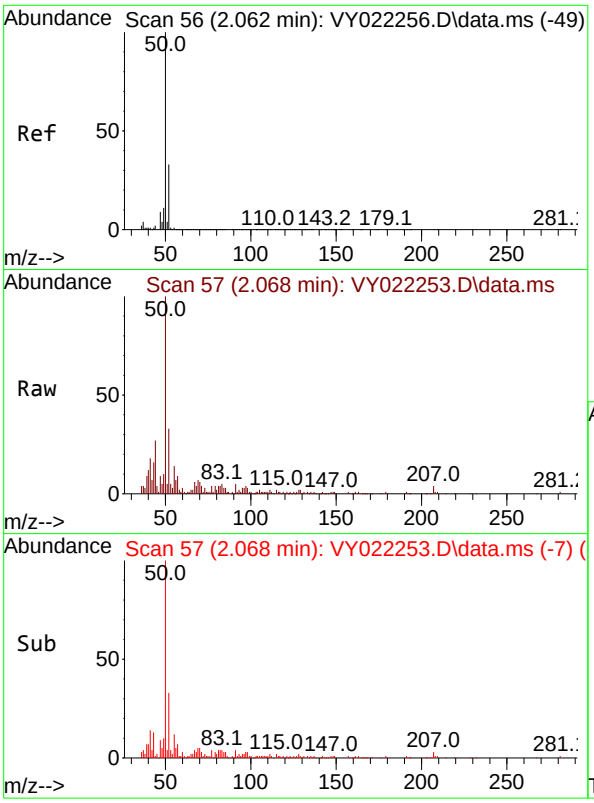


#2
Dichlorodifluoromethane
Concen: 5.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 85 Resp: 15071

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.5	49.5

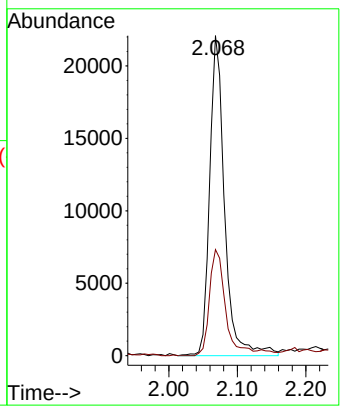




#3
Chloromethane
Concen: 5.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 50 Resp: 3347

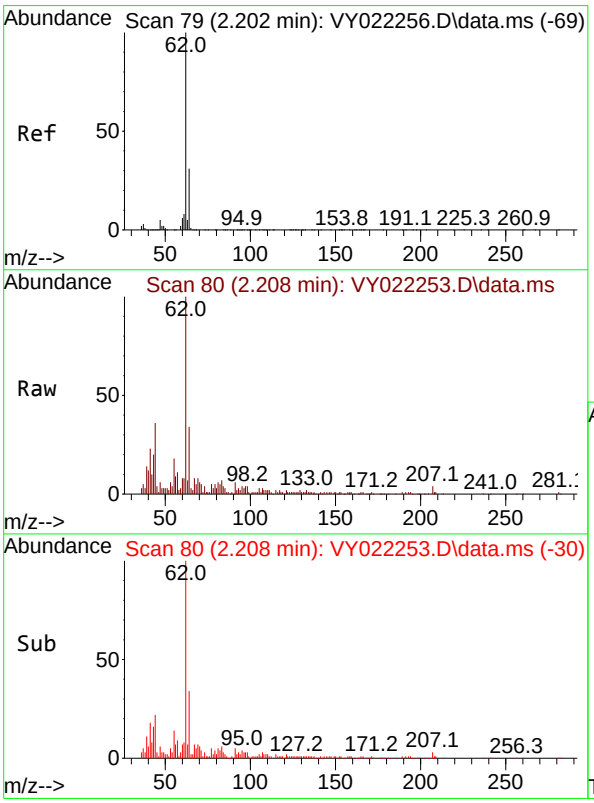
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

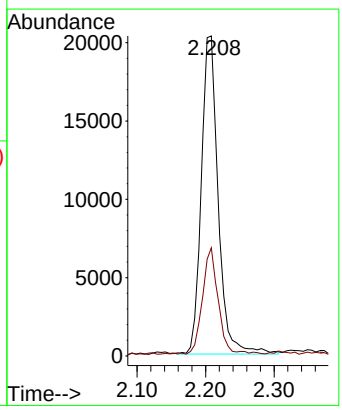
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

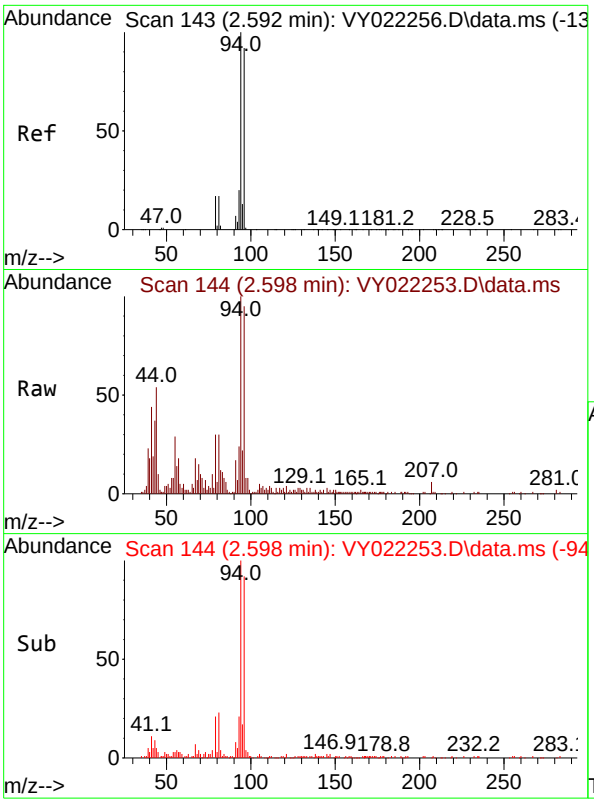


#4
Vinyl Chloride
Concen: 5.159 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 34943

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7

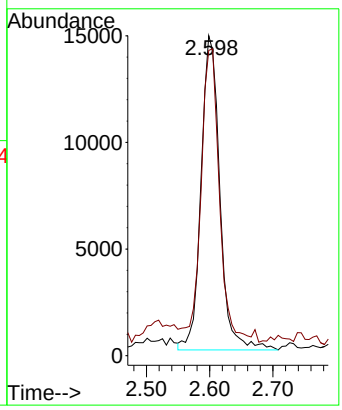




#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 94 Resp: 3056

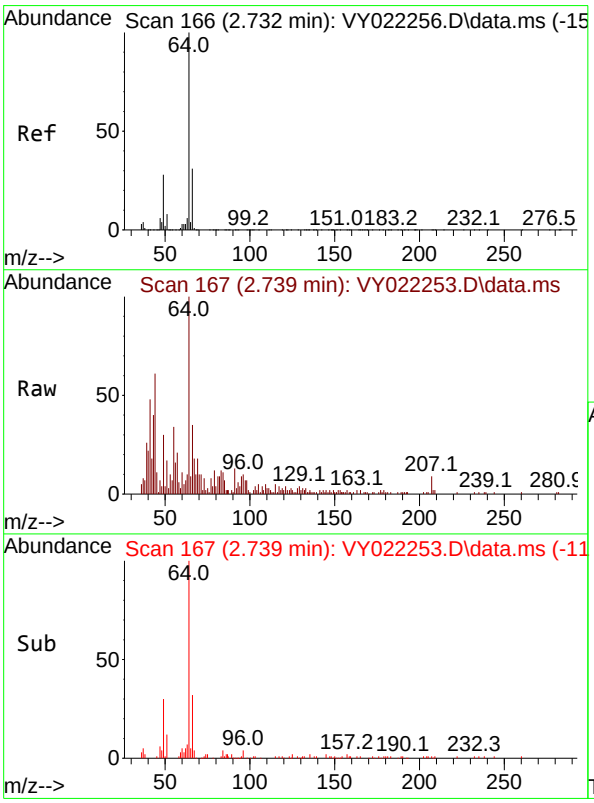
Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

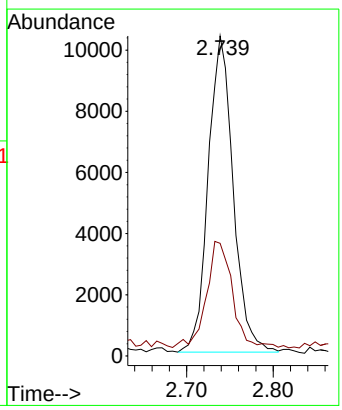
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

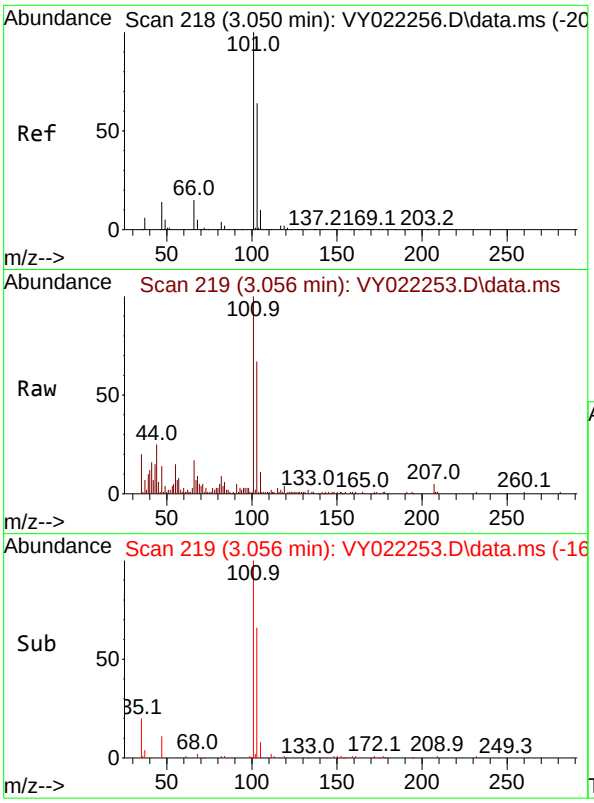


#6
Chloroethane
Concen: 4.923 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 64 Resp: 20741

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.8	37.2

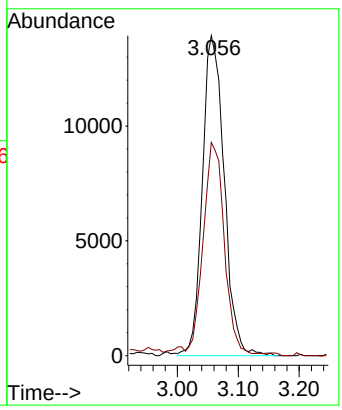




#7
Trichlorofluoromethane
Concen: 5.052 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:101 Resp: 3464

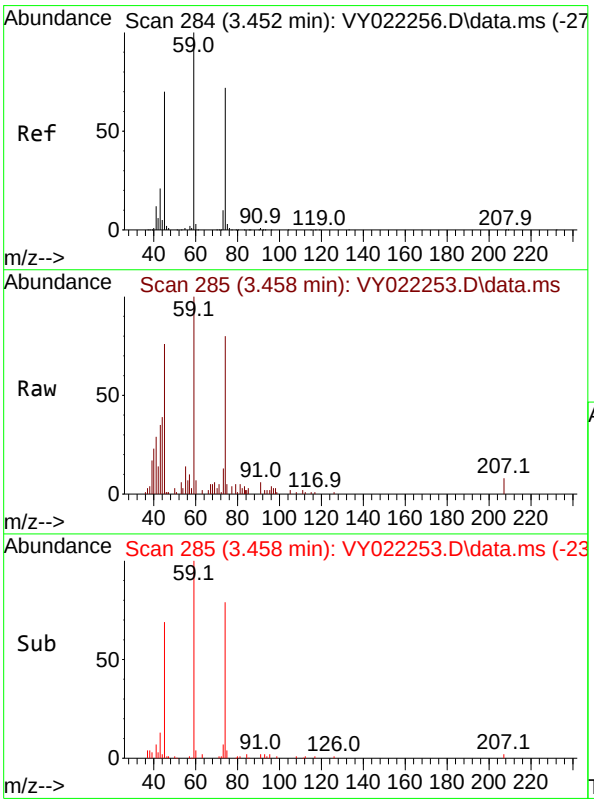
Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

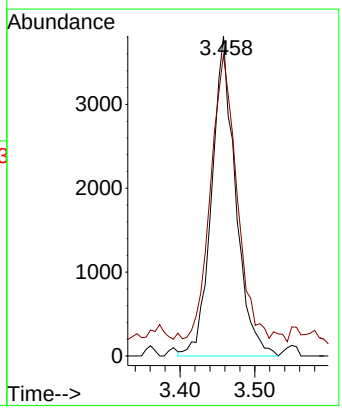
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

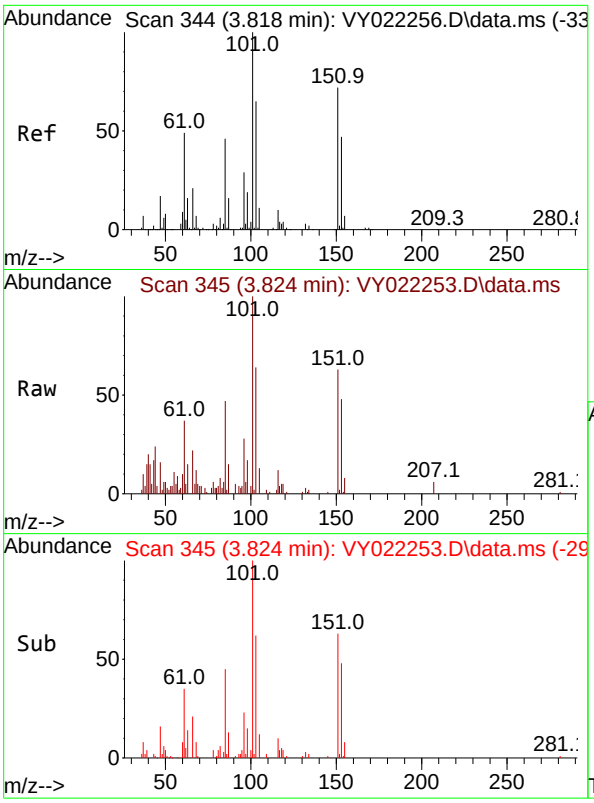


#8
Diethyl Ether
Concen: 5.126 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 74 Resp: 8435

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.081 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:101 Resp: 1512

Ion	Ratio	Lower	Upper
101	100		
85	52.5	38.6	58.0
151	78.0	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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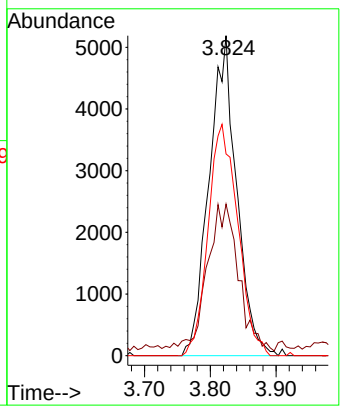
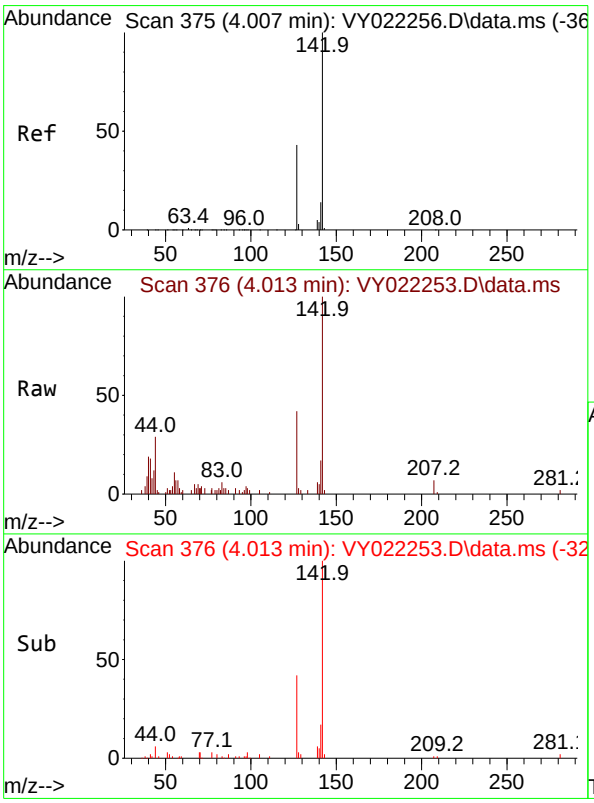
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

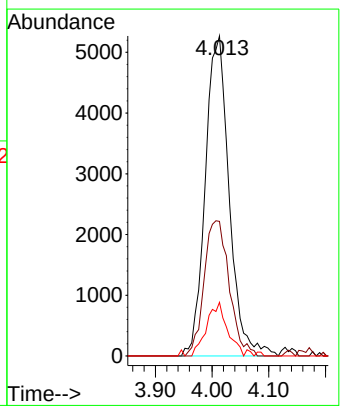


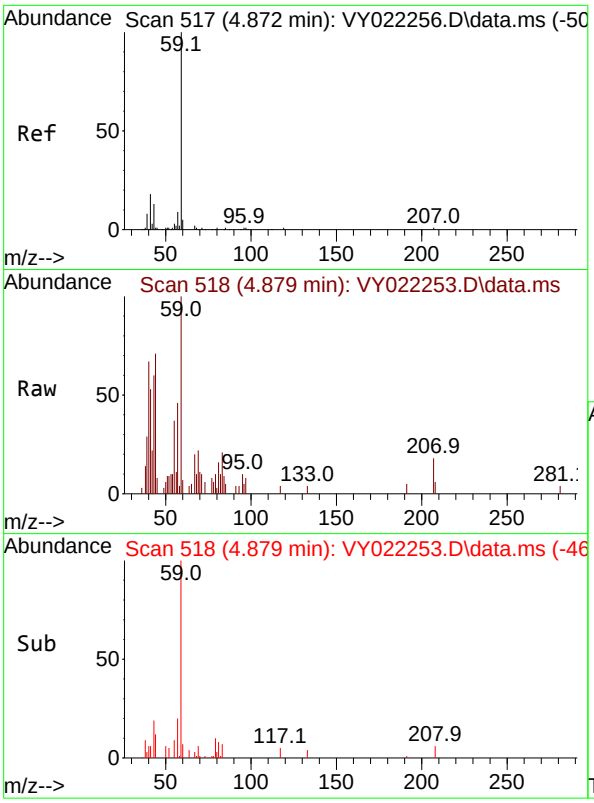


#10
Methyl Iodide
Concen: 4.484 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:142 Resp: 15449

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.7	53.5
141	14.4	11.1	16.7

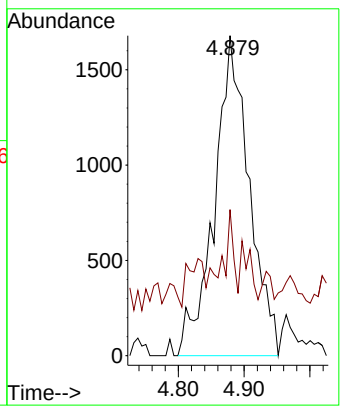




#11
Tert butyl alcohol
Concen: 26.722 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 59 Resp: 615

Ion	Ratio	Lower	Upper
59	100		
57	5.4	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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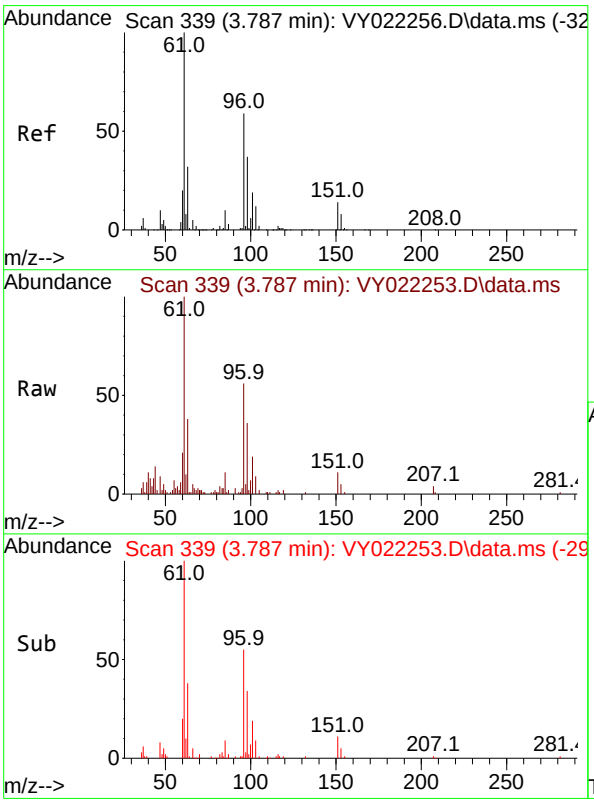
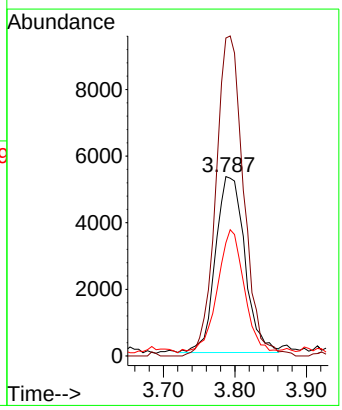
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

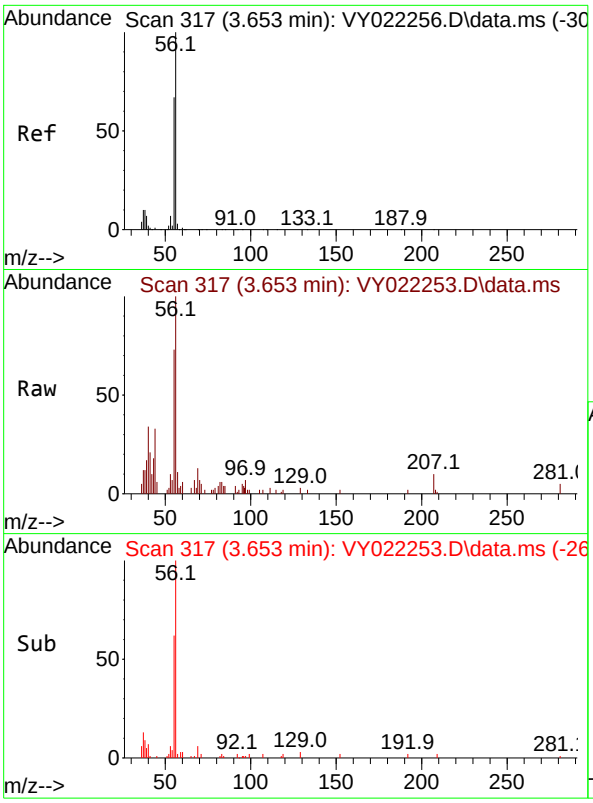


#12
1,1-Dichloroethene
Concen: 5.099 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 96 Resp: 15064

Ion	Ratio	Lower	Upper
96	100		
61	180.8	134.9	202.3
98	62.6	49.9	74.9

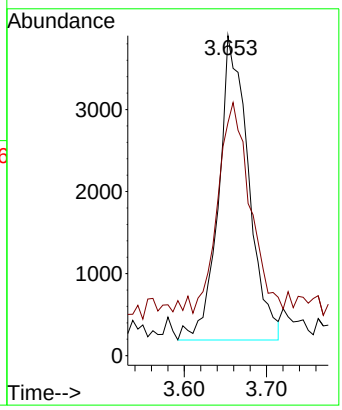




#13
Acrolein
Concen: 27.796 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 56 Resp: 936

Ion	Ratio	Lower	Upper
56	100		
55	74.6	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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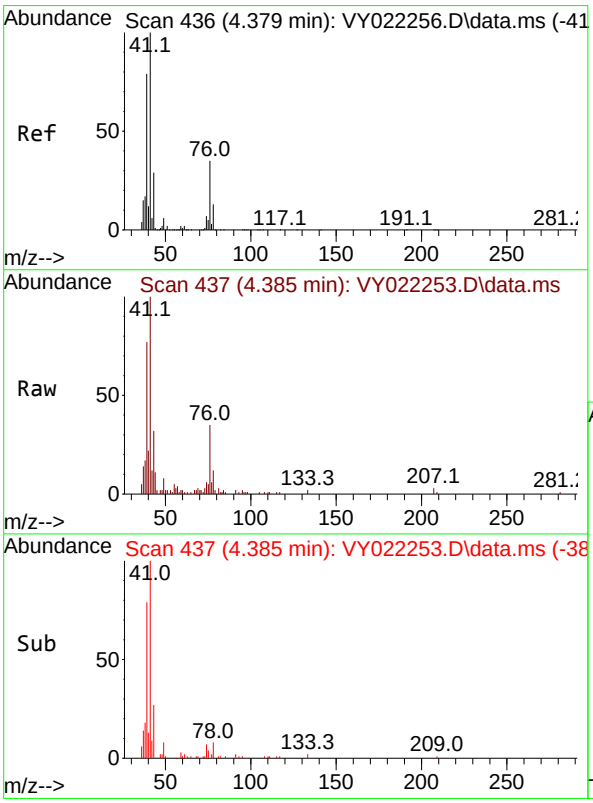
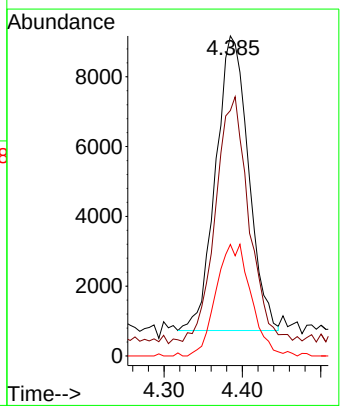
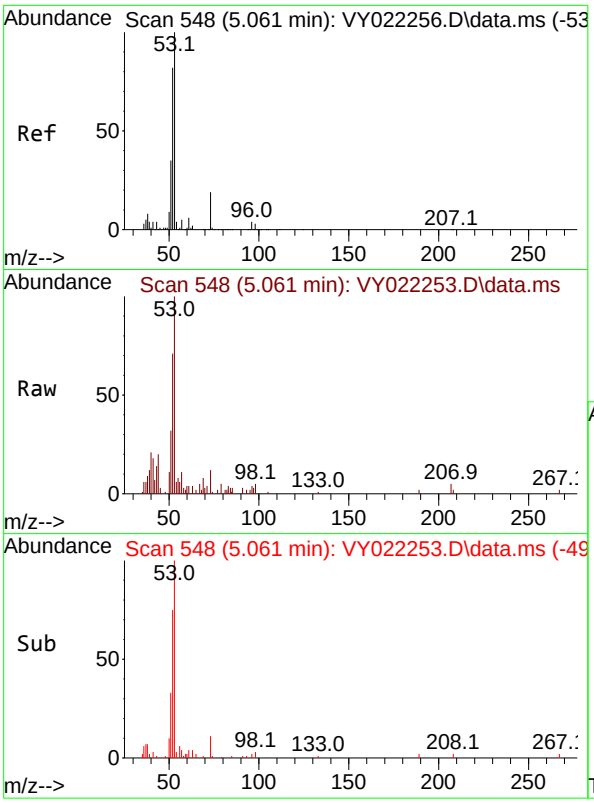


#14
Allyl chloride
Concen: 4.737 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 24537

Ion	Ratio	Lower	Upper
41	100		
39	83.9	63.4	95.0
76	40.5	29.5	44.3





#15
Acrylonitrile
Concen: 25.125 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 53 Resp: 1703(

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	38.0	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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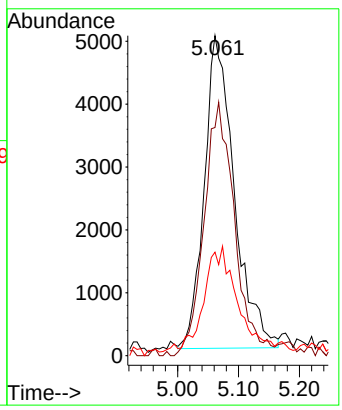
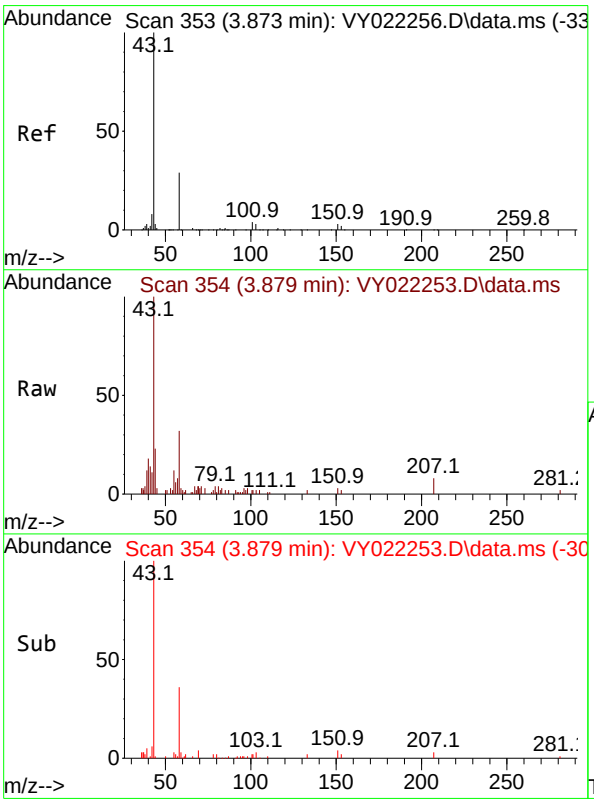
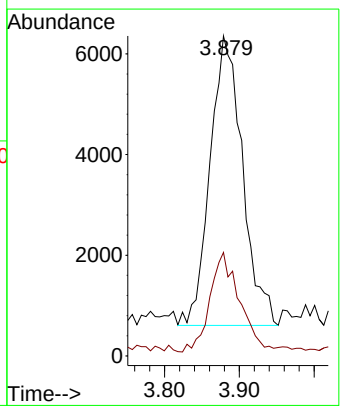


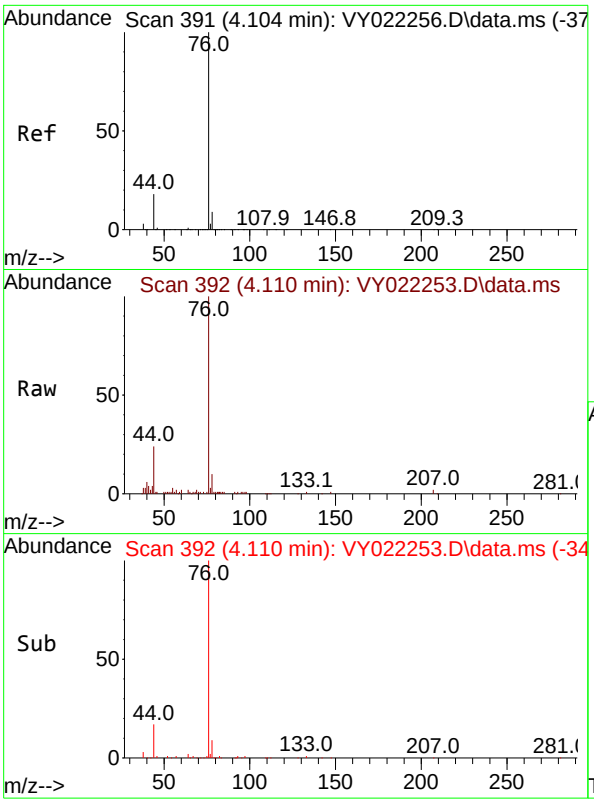


#16
Acetone
Concen: 30.639 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 17340

Ion	Ratio	Lower	Upper
43	100		
58	34.3	23.6	35.4

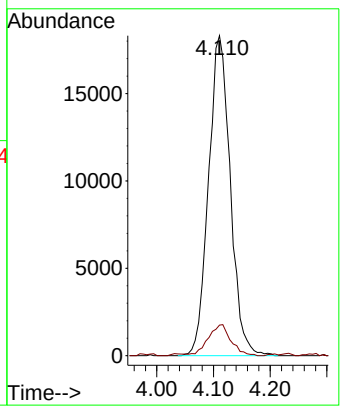




#17
Carbon Disulfide
Concen: 5.068 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 76 Resp: 4881

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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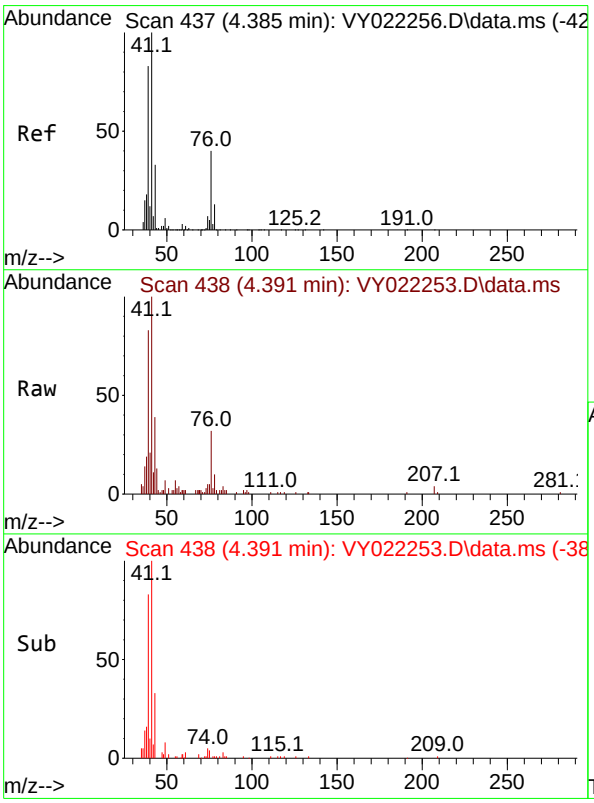
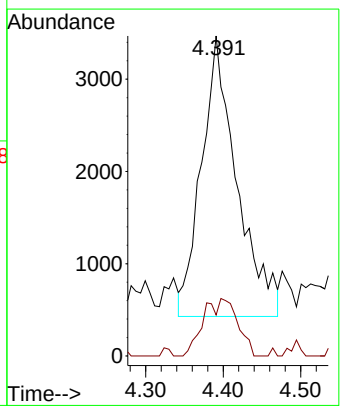
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

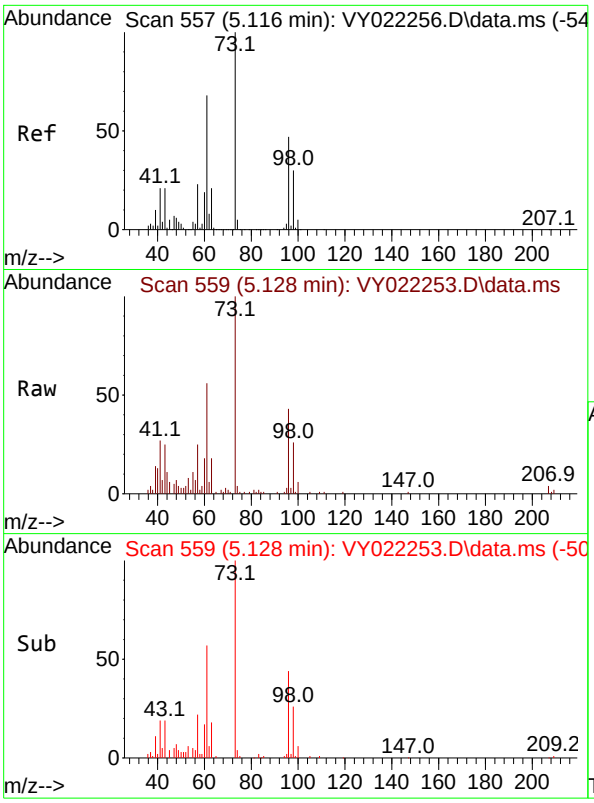


#18
Methyl Acetate
Concen: 5.597 ug/l m
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 9639

Ion	Ratio	Lower	Upper
43	100		
74	8.9	18.2	27.4#

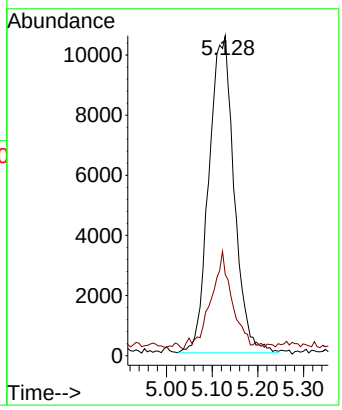




#19
Methyl tert-butyl Ether
Concen: 4.959 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 73 Resp: 4039

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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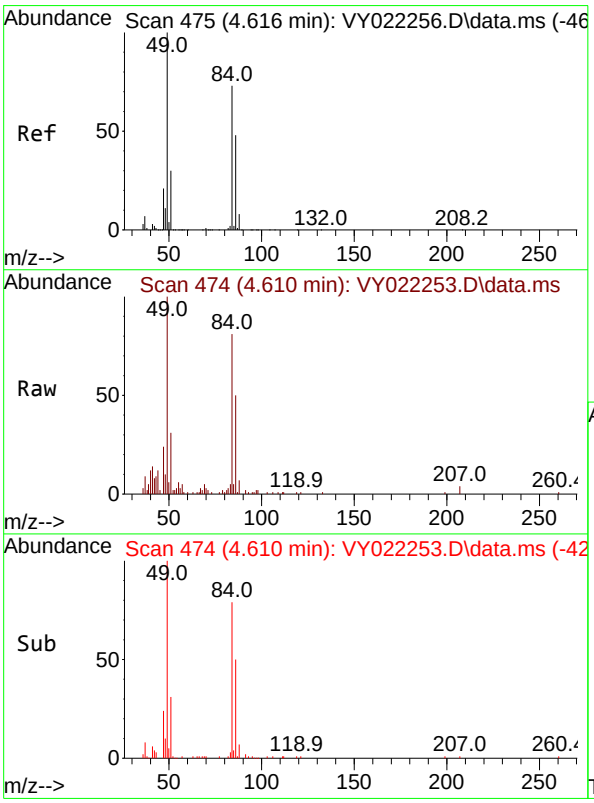
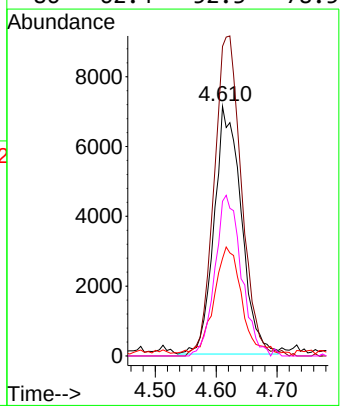
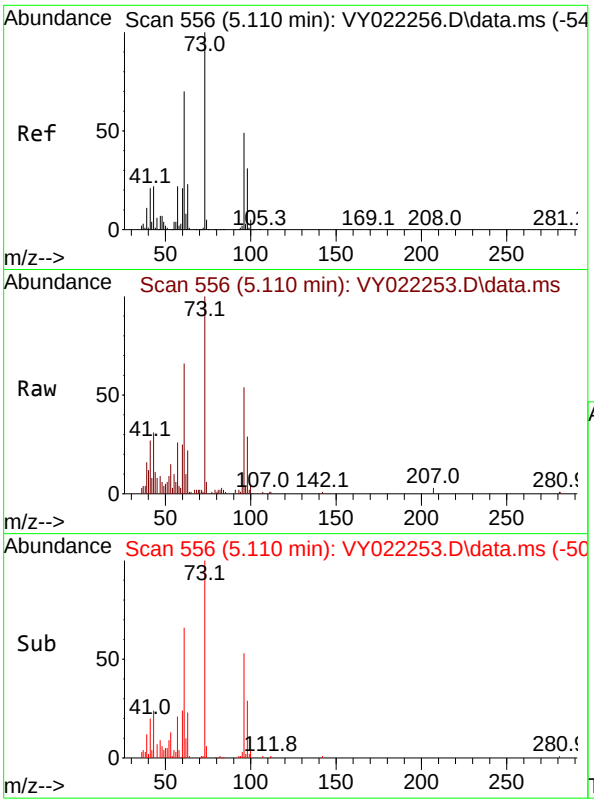


#20
Methylene Chloride
Concen: 6.016 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 84 Resp: 22002

Ion	Ratio	Lower	Upper
84	100		
49	125.0	109.6	164.4
51	38.1	32.4	48.6
86	62.4	52.3	78.5

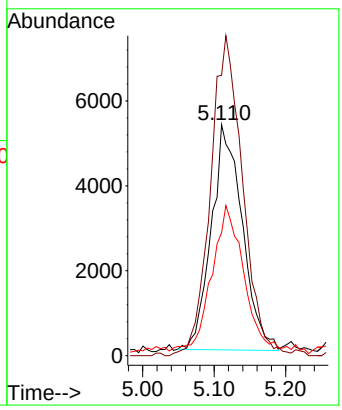




#21
trans-1,2-Dichloroethene
Concen: 4.889 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 96 Resp: 1594

Ion	Ratio	Lower	Upper
96	100		
61	123.1	113.4	170.0
98	51.2	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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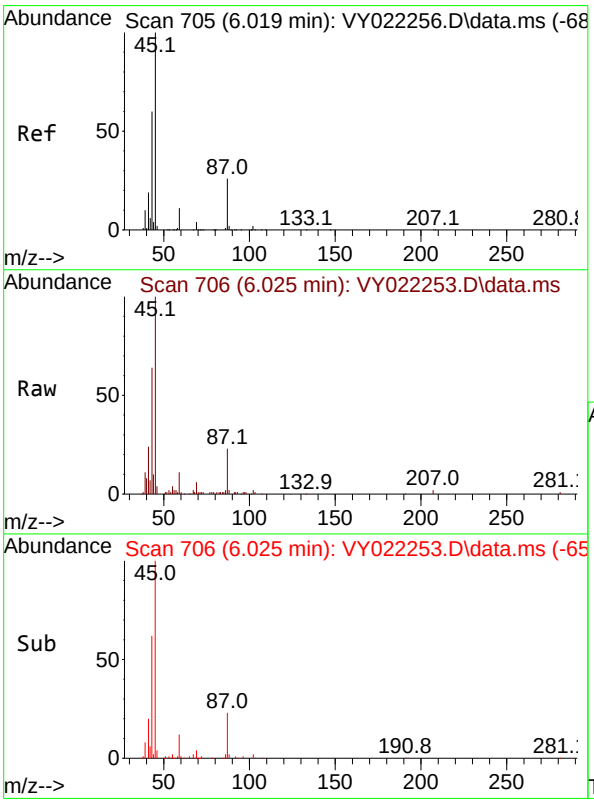
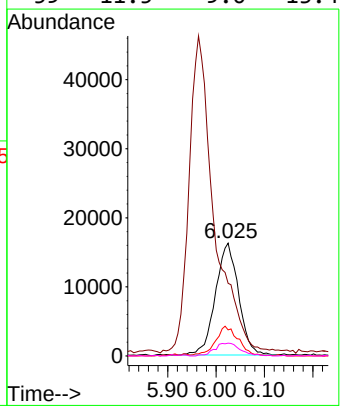
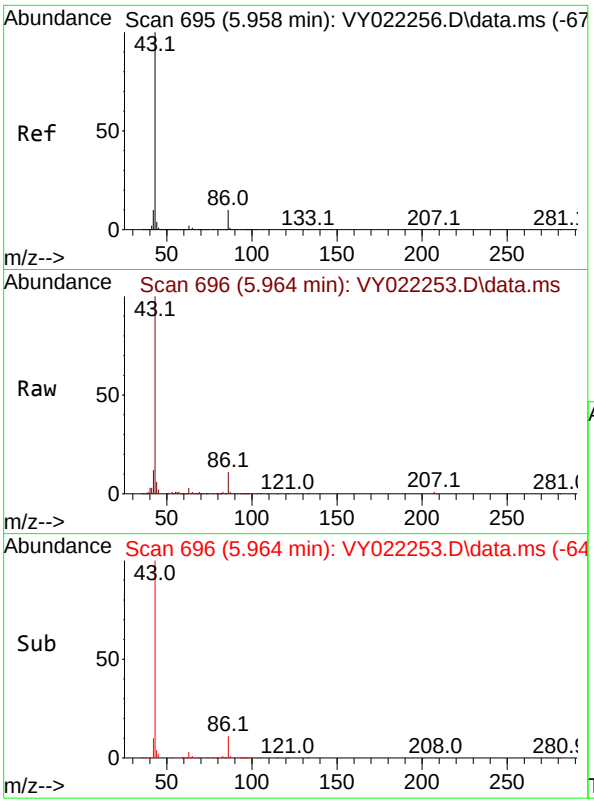


#22
Diisopropyl ether
Concen: 4.915 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 45 Resp: 53760

Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.2	72.2
87	22.4	21.4	32.0
59	11.5	9.0	13.4

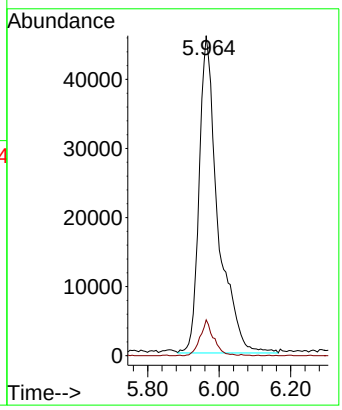




#23
Vinyl Acetate
Concen: 25.361 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 16759

Ion	Ratio	Lower	Upper
43	100		
86	11.3	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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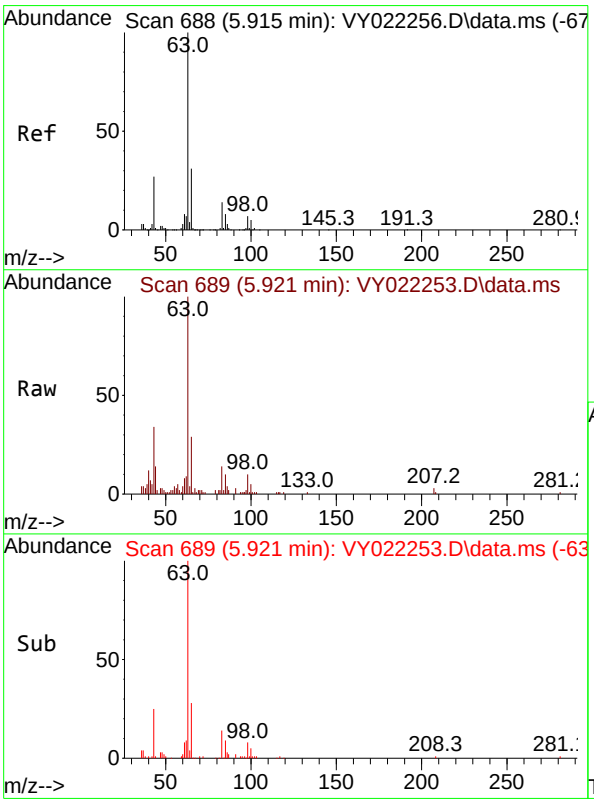
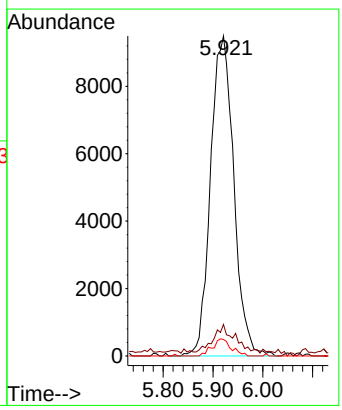
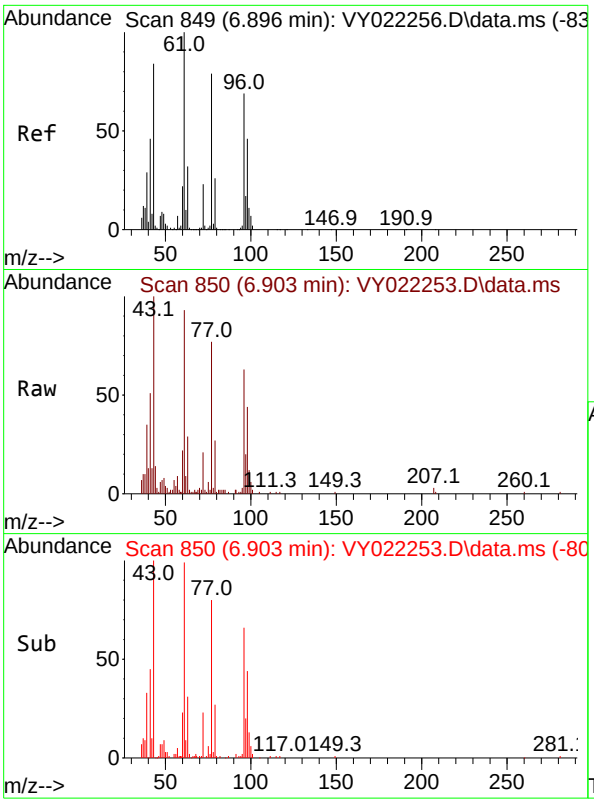


#24
1,1-Dichloroethane
Concen: 5.026 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 30712

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.5
100	5.1	2.4	7.2





#25
2-Butanone
Concen: 26.203 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 2480

Ion	Ratio	Lower	Upper
43	100		
72	22.7	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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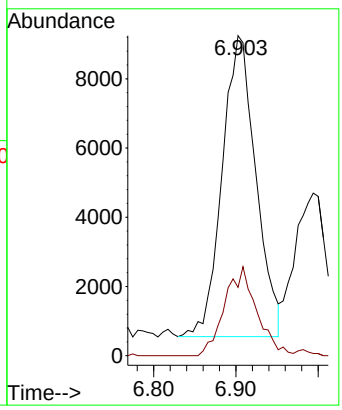
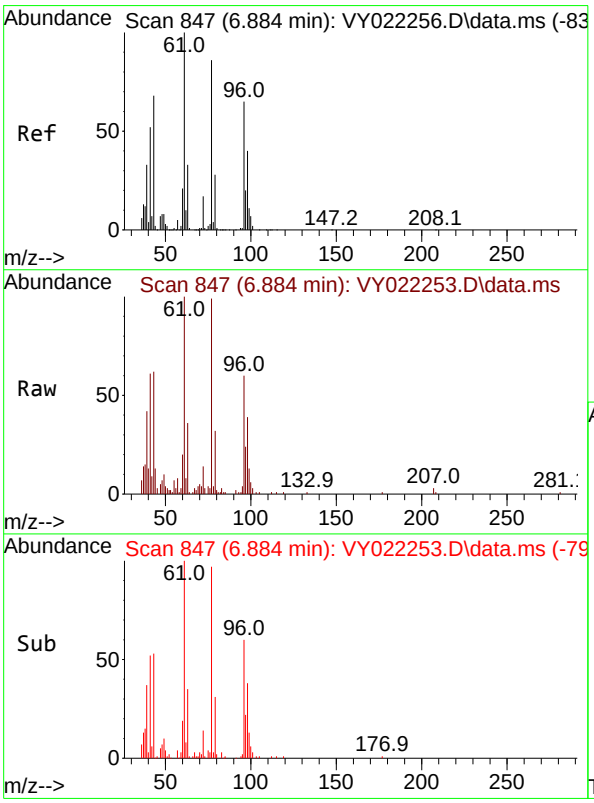
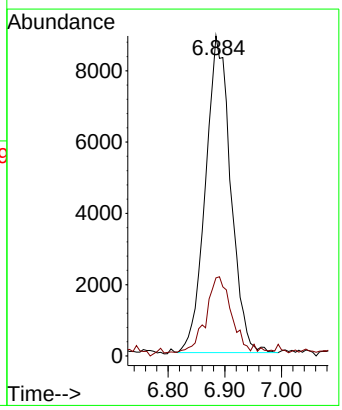


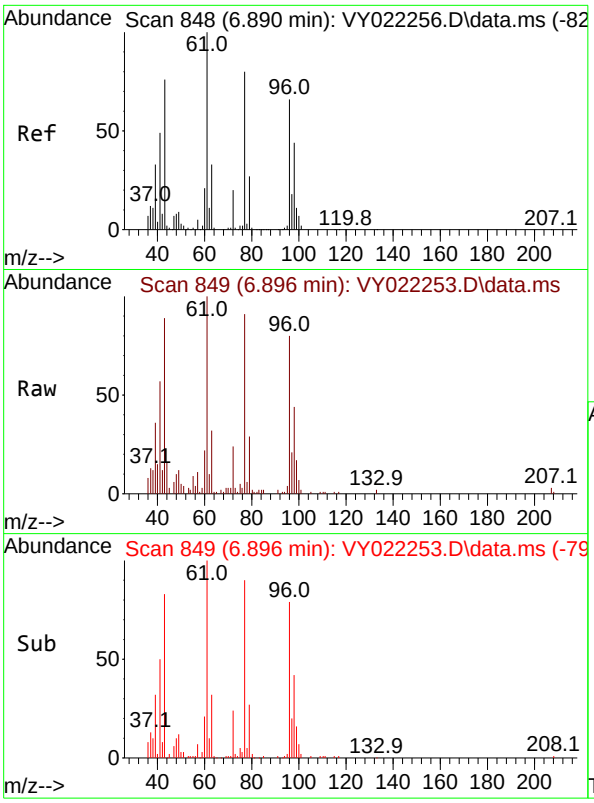


#26
2,2-Dichloropropane
Concen: 5.048 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 77 Resp: 27440

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.2	33.5

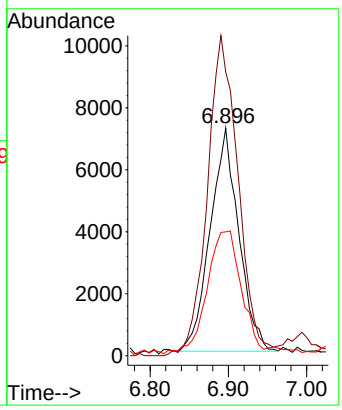




#27
cis-1,2-Dichloroethene
Concen: 4.857 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 96 Resp: 1827

Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	302.6
98	66.0	0.0	128.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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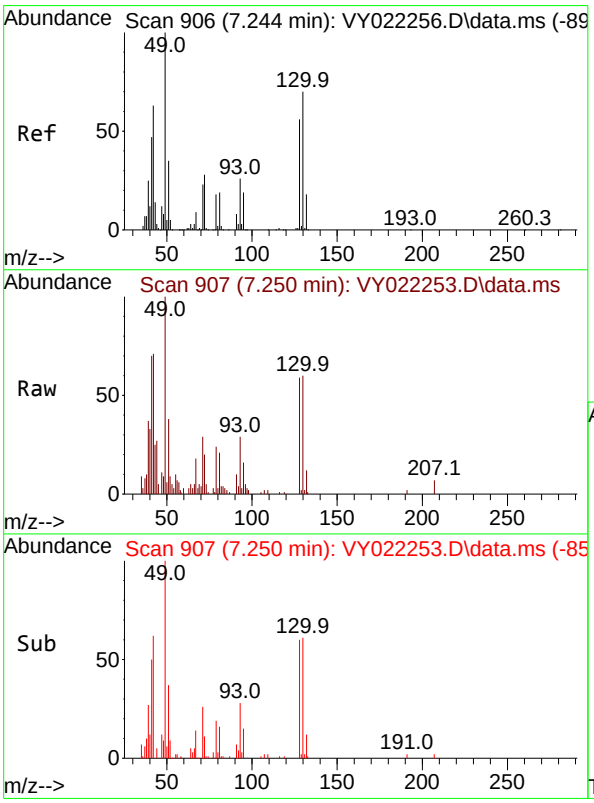
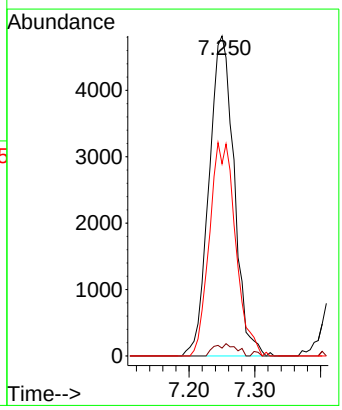
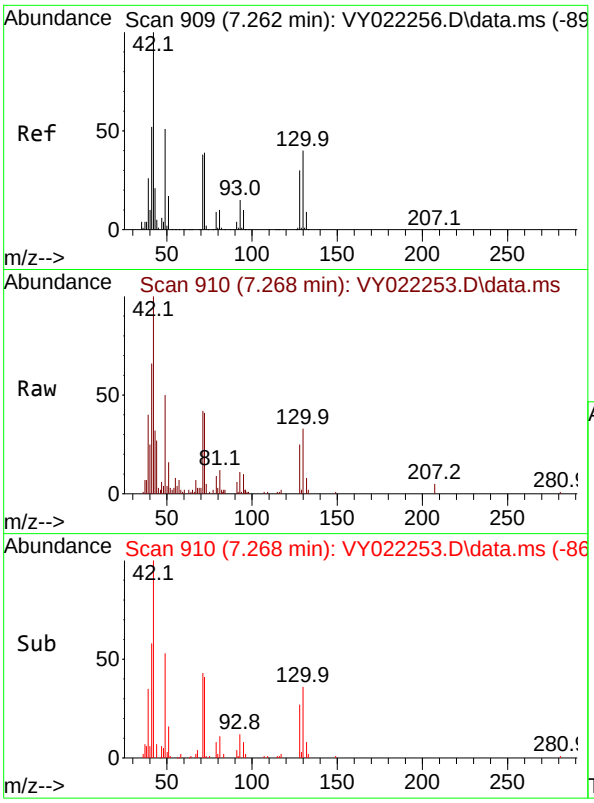


#28
Bromochloromethane
Concen: 4.901 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 49 Resp: 12774

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	69.7	54.7	82.1





#29
Tetrahydrofuran
Concen: 23.811 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 42 Resp: 1450

Ion	Ratio	Lower	Upper
42	100		
72	46.7	33.8	50.6
71	43.0	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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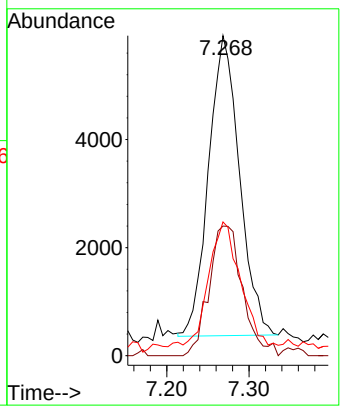
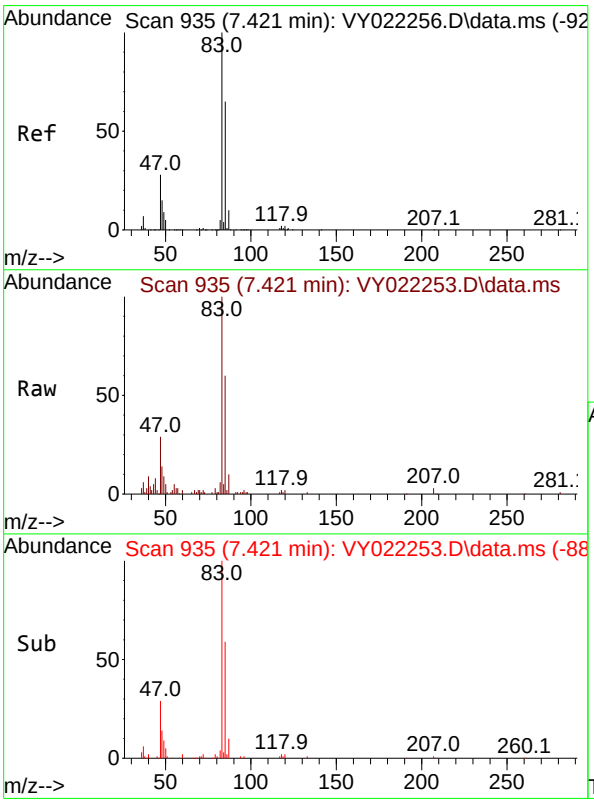
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

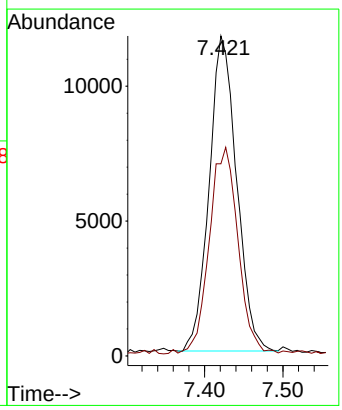


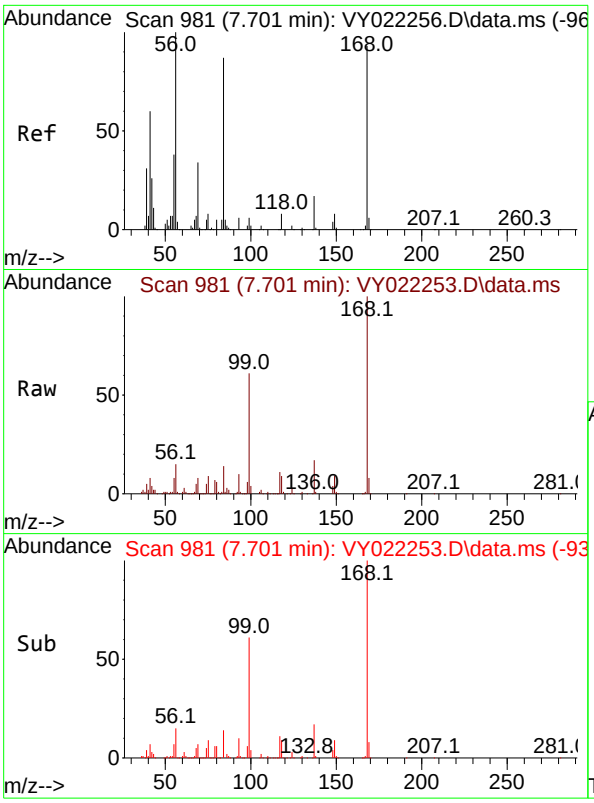


#30
Chloroform
Concen: 4.863 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 28505

Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.8	77.8





#31
Cyclohexane
Concen: 5.880 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

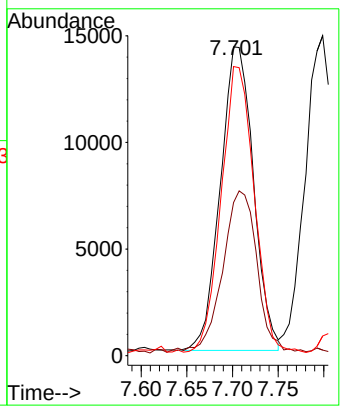
Tgt Ion: 56 Resp: 3590

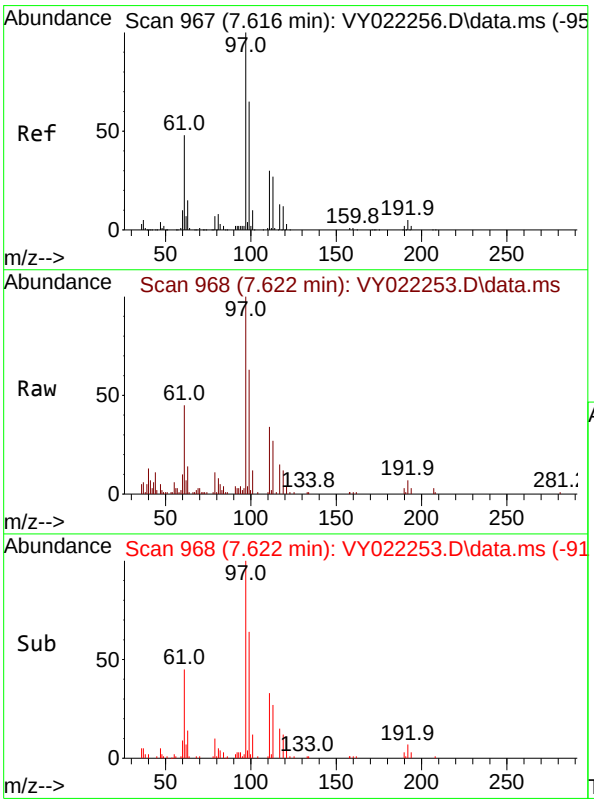
Ion	Ratio	Lower	Upper
56	100		
69	48.0	27.4	41.2
84	93.4	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

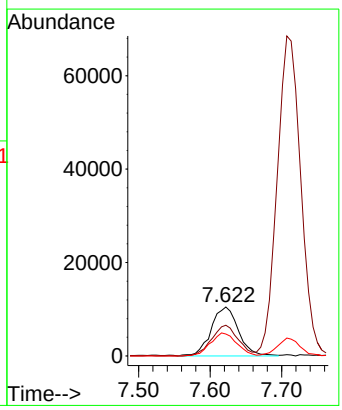


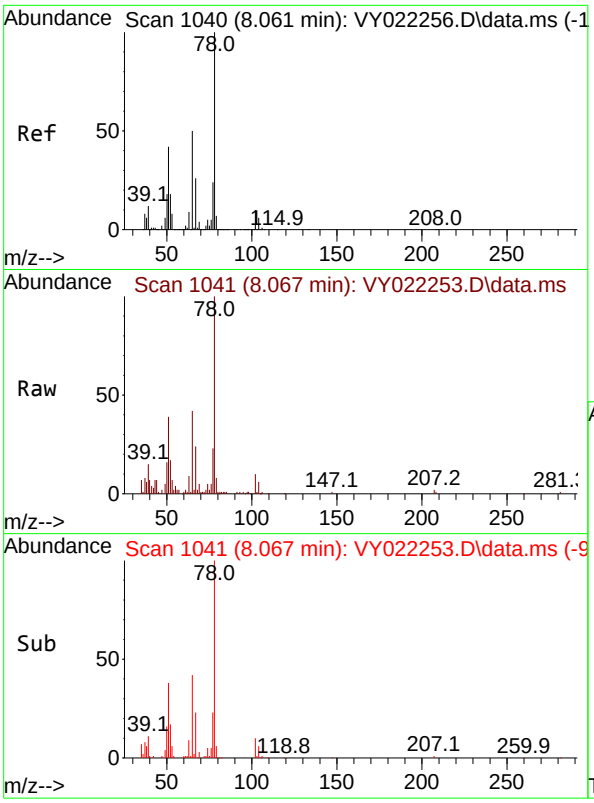


#32
1,1,1-Trichloroethane
Concen: 5.170 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 97 Resp: 27801

Ion	Ratio	Lower	Upper
97	100		
99	60.7	51.4	77.0
61	45.4	38.1	57.1

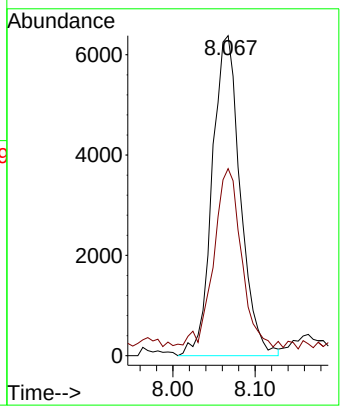




#33
1,2-Dichloroethane-d4
Concen: 5.009 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 65 Resp: 1511

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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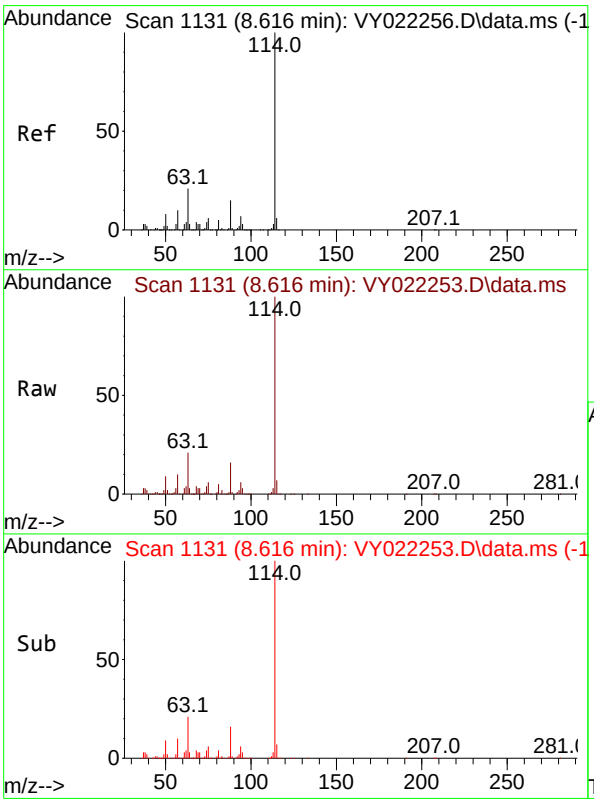
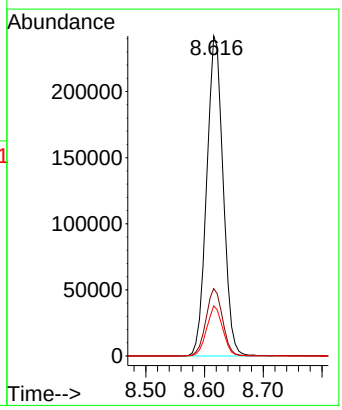
Supervised By :Semsettin Yesilyurt 05/16/2025

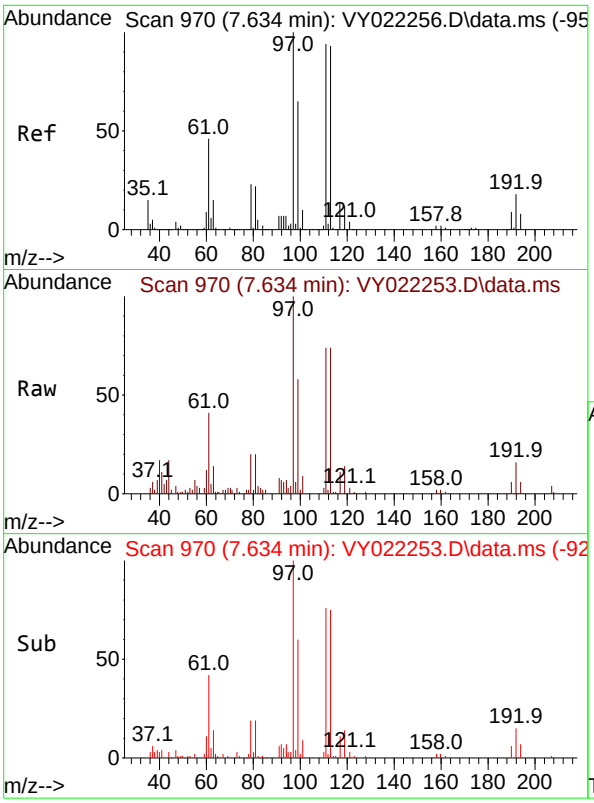


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:114 Resp: 470488

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.0
88	15.7	0.0	29.4

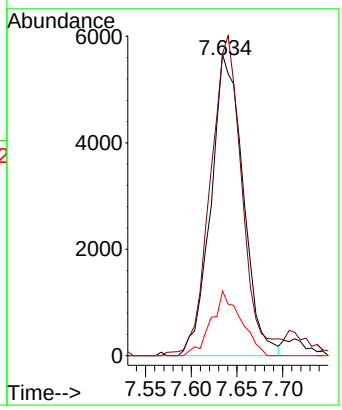




#35
Dibromofluoromethane
Concen: 4.933 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:113 Resp: 1385

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.7	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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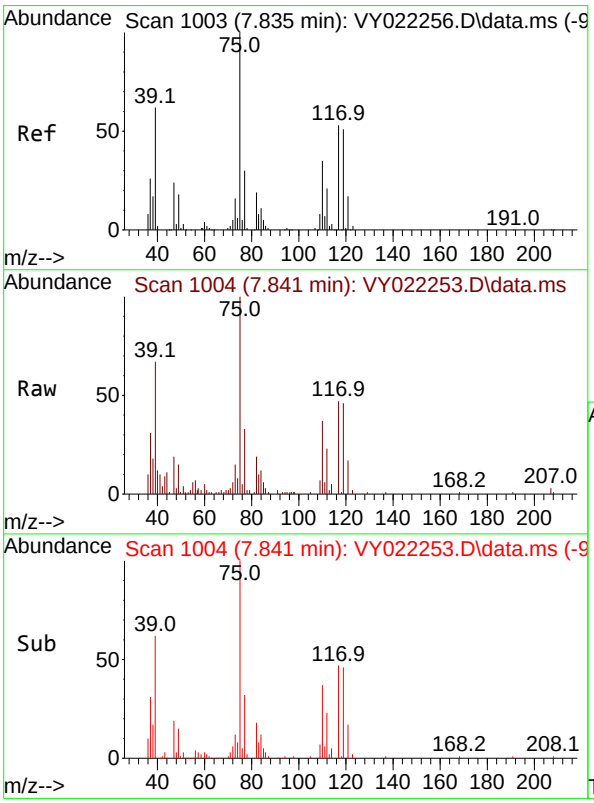
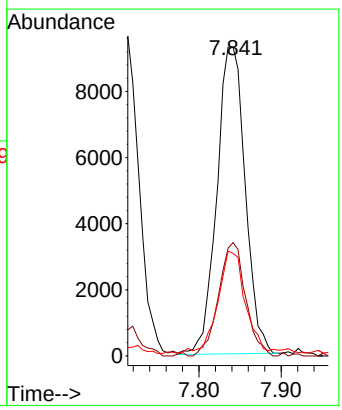
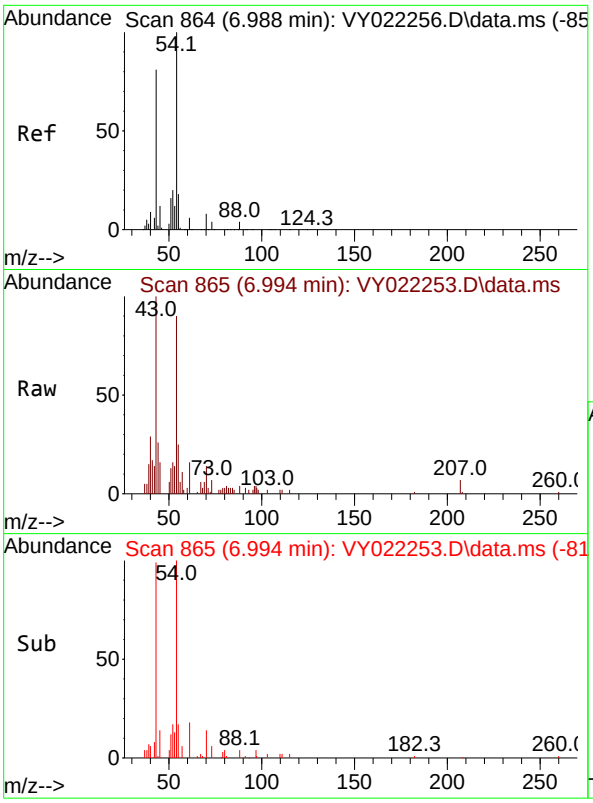


#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 22314

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	32.4	24.6	37.0

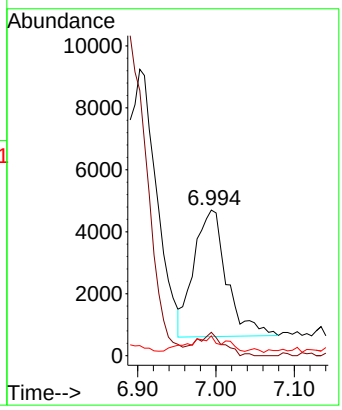




#37
Ethyl Acetate
Concen: 5.352 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 1191

Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.2	15.2
70	9.6	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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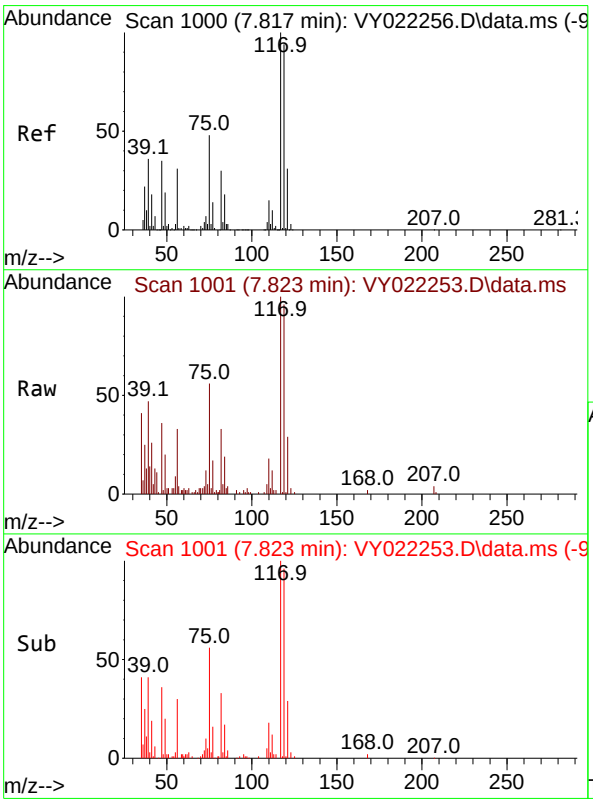
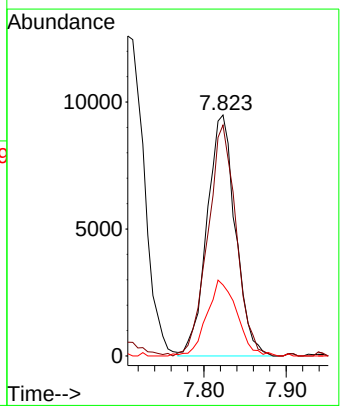
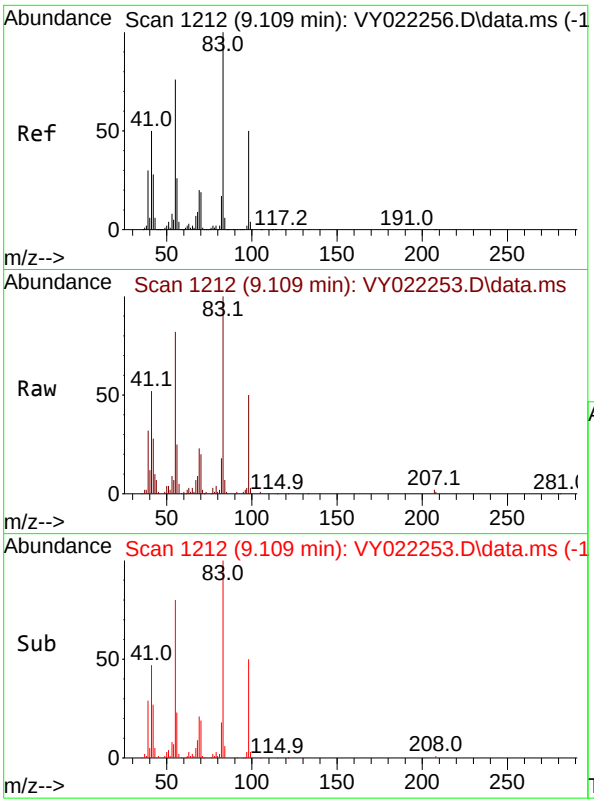


#38
Carbon Tetrachloride
Concen: 4.768 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 22826

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	29.5	24.7	37.1

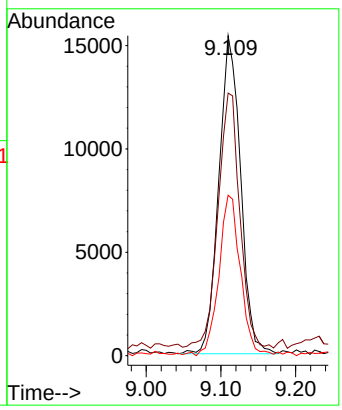




#39
Methylcyclohexane
Concen: 5.024 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 3121

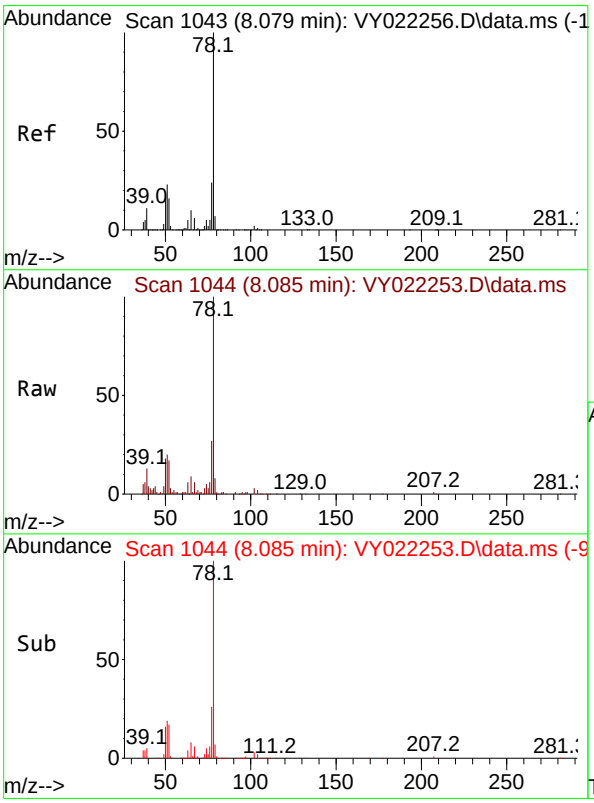
Ion	Ratio	Lower	Upper
83	100		
55	78.9	60.6	90.8
98	49.6	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

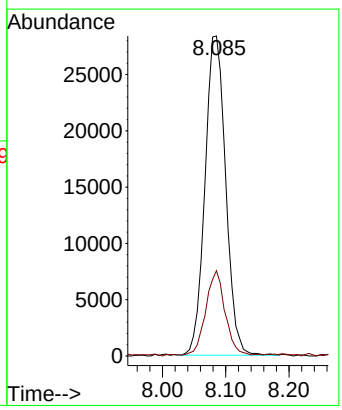
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

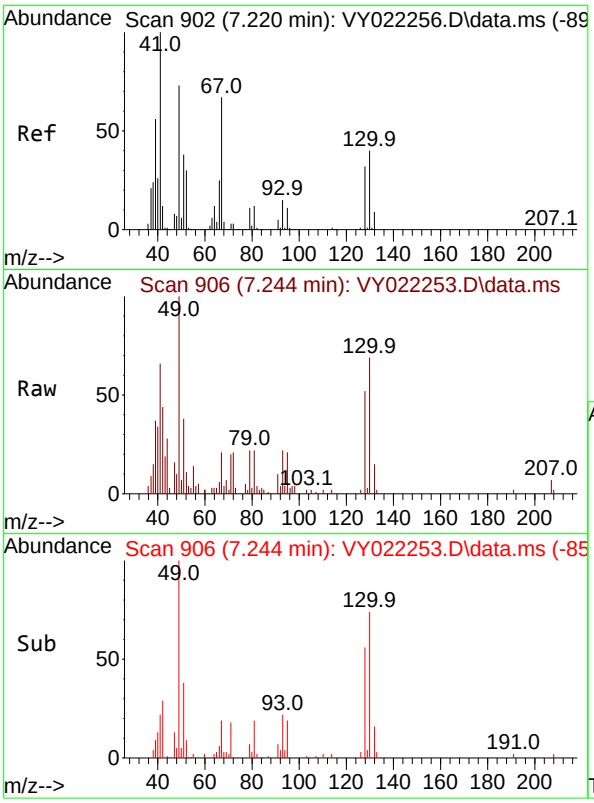


#40
Benzene
Concen: 4.699 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 78 Resp: 64430

Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.9	28.3

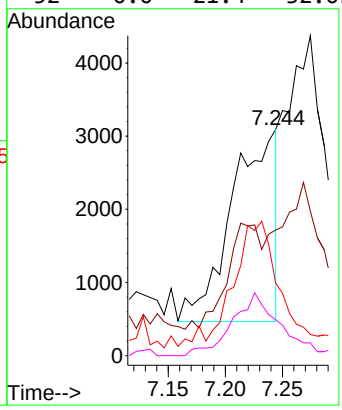




#41
Methacrylonitrile
Concen: 4.422 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.024 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 720

Ion	Ratio	Lower	Upper
41	100		
39	63.3	39.1	58.7#
67	0.0	47.1	70.7#
52	0.0	21.4	32.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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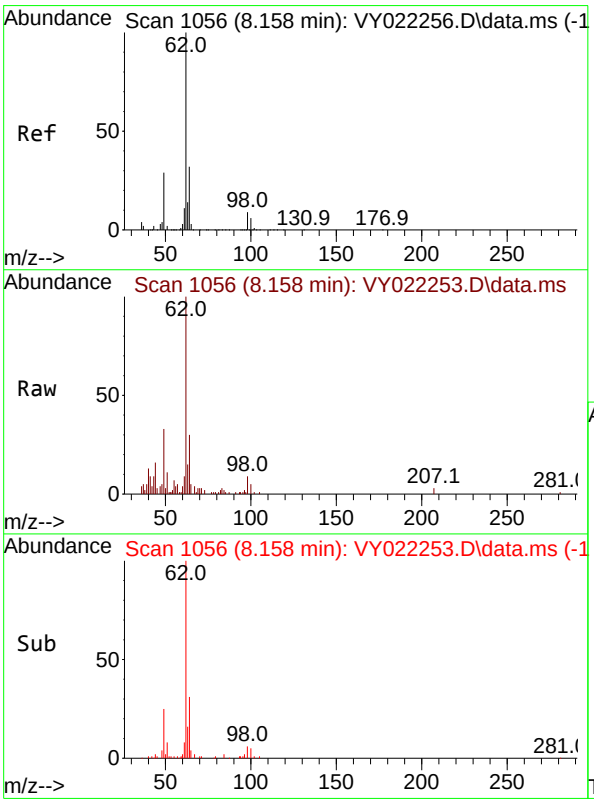
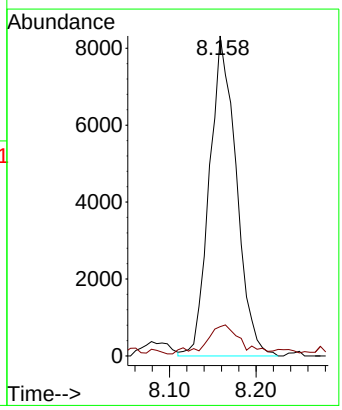
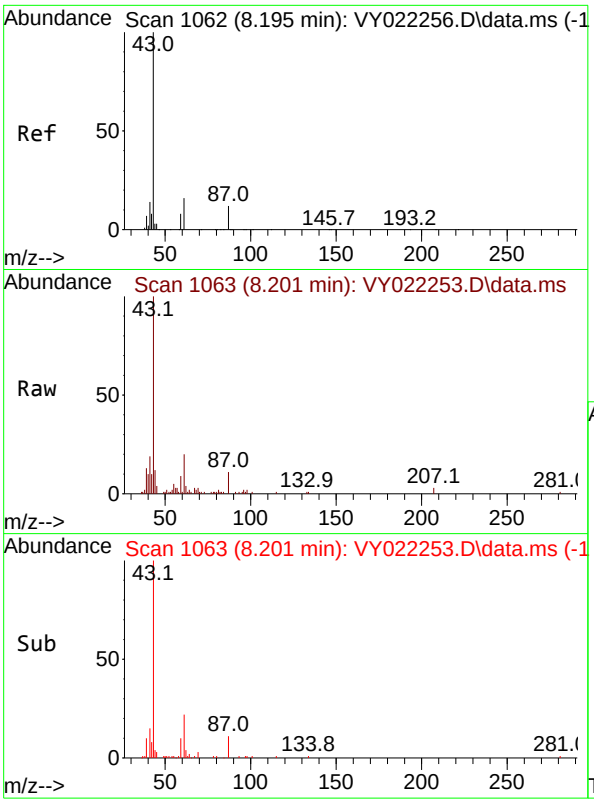


#42
1,2-Dichloroethane
Concen: 4.837 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 17934

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.4

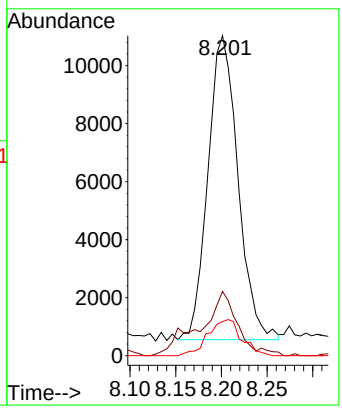




#43
Isopropyl Acetate
Concen: 4.941 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 2397

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	13.2	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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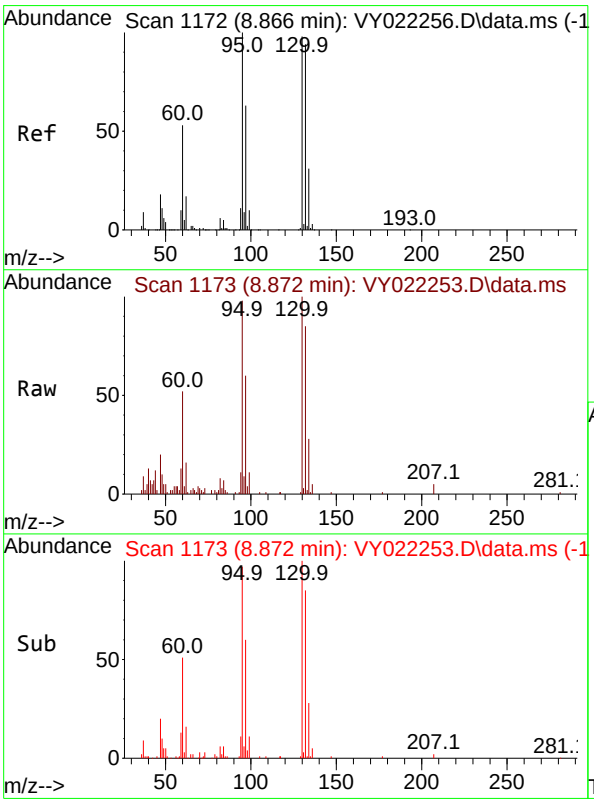
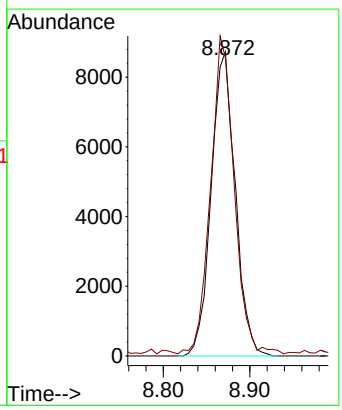
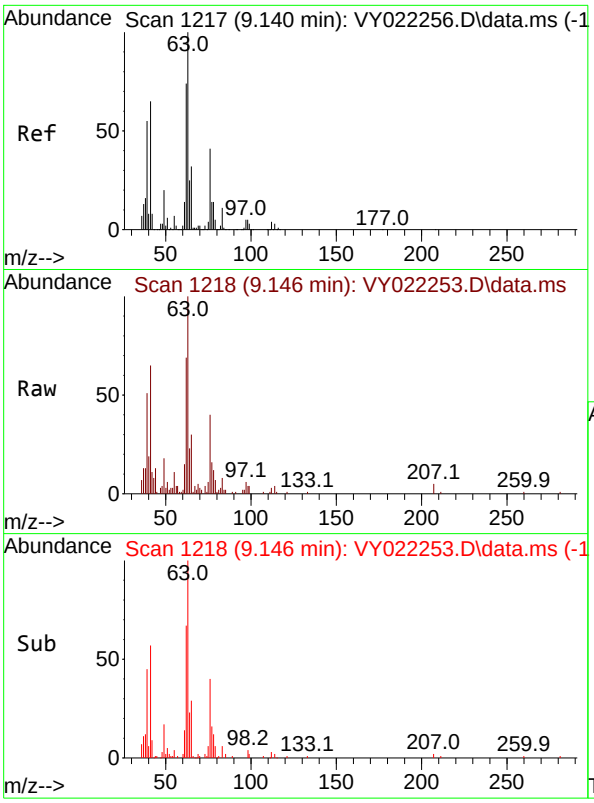


#44
Trichloroethene
Concen: 4.943 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:130 Resp: 16852

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	204.8





#45
1,2-Dichloropropane
Concen: 4.796 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 1585

Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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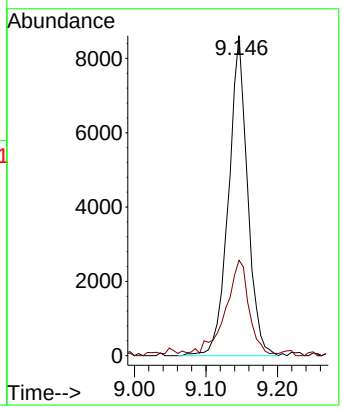
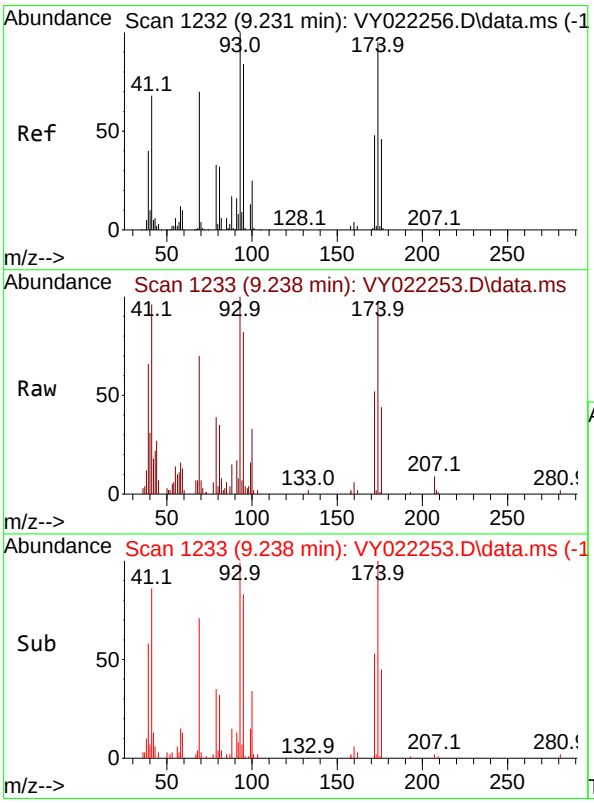
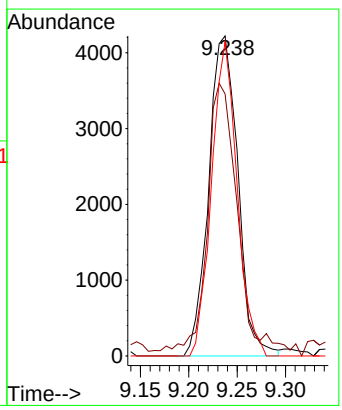


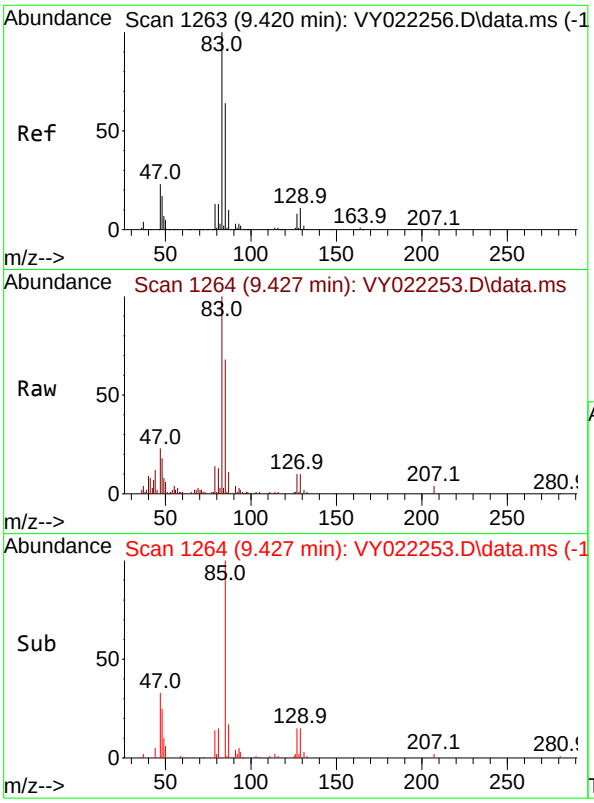


#46
Dibromomethane
Concen: 4.980 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 93 Resp: 8879

Ion	Ratio	Lower	Upper
93	100		
95	89.8	65.2	97.8
174	85.7	74.3	111.5

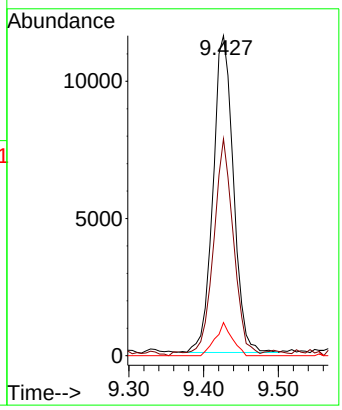




#47
Bromodichloromethane
Concen: 4.736 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 2190

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.1	76.7
127	10.4	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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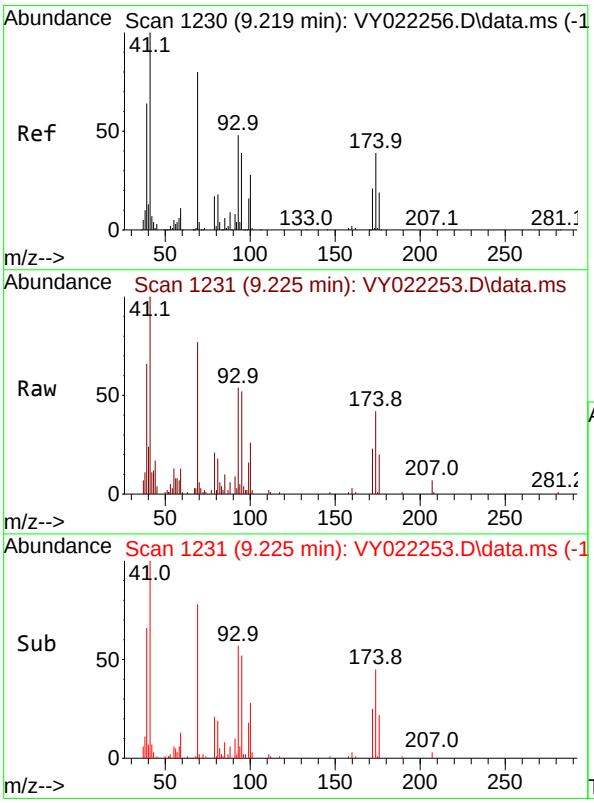
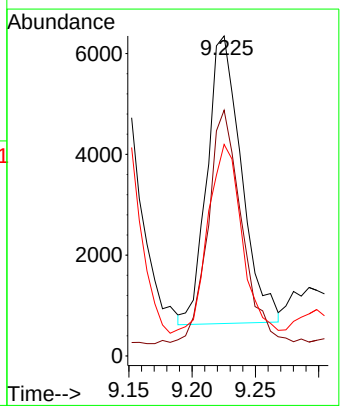
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

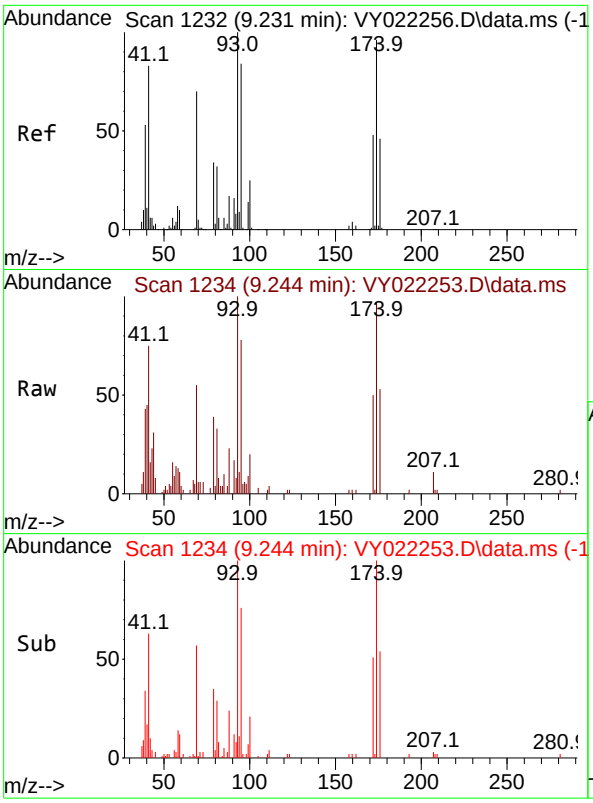


#48
Methyl methacrylate
Concen: 4.727 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 10729

Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.5	95.3
39	66.0	50.8	76.2

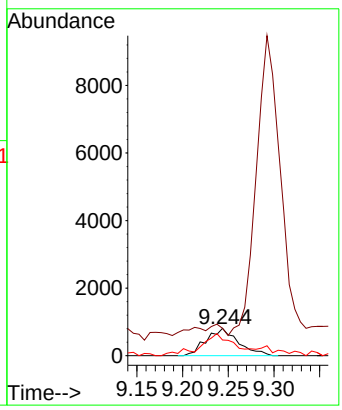




#49
1,4-Dioxane
Concen: 97.404 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 88 Resp: 196

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.5	42.7#
58	79.8	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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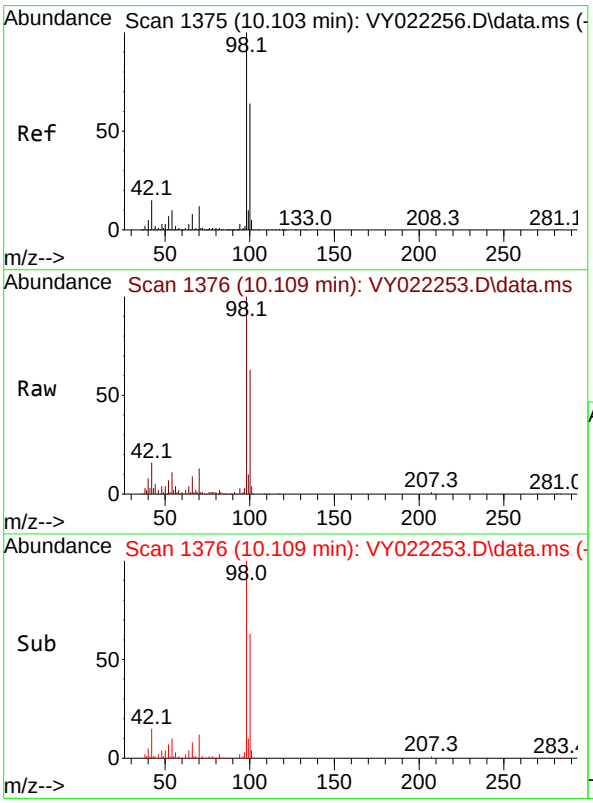
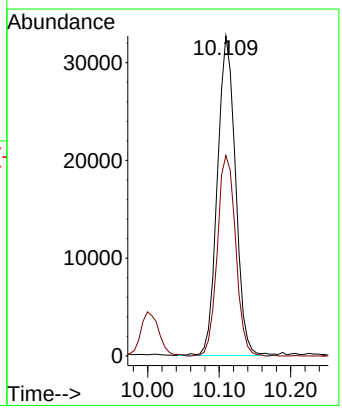
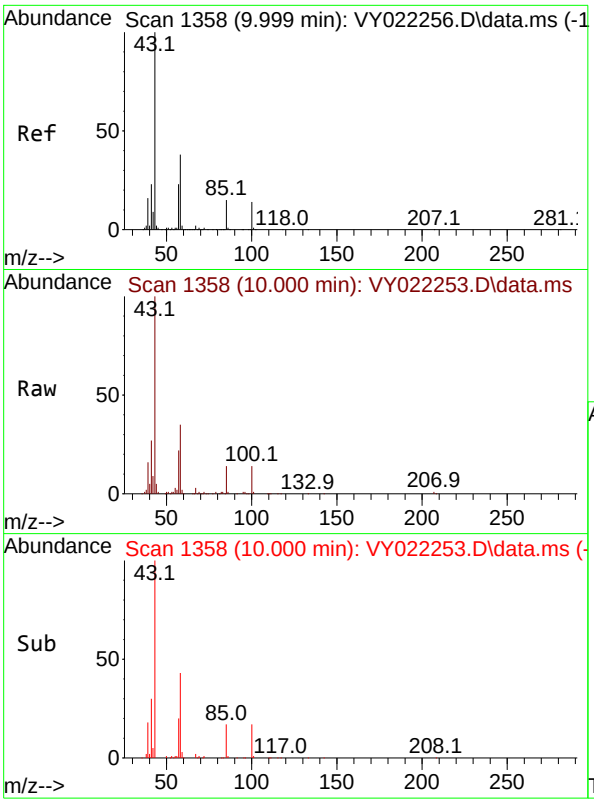


#50
Toluene-d8
Concen: 5.006 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 98 Resp: 57575

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.8	77.8

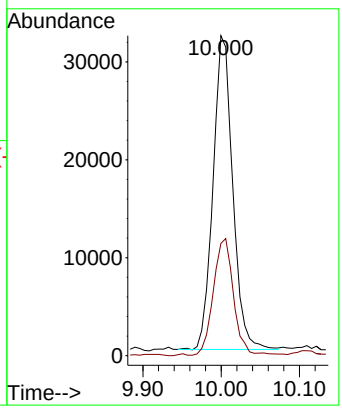




#51
4-Methyl-2-Pentanone
Concen: 23.464 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 5588

Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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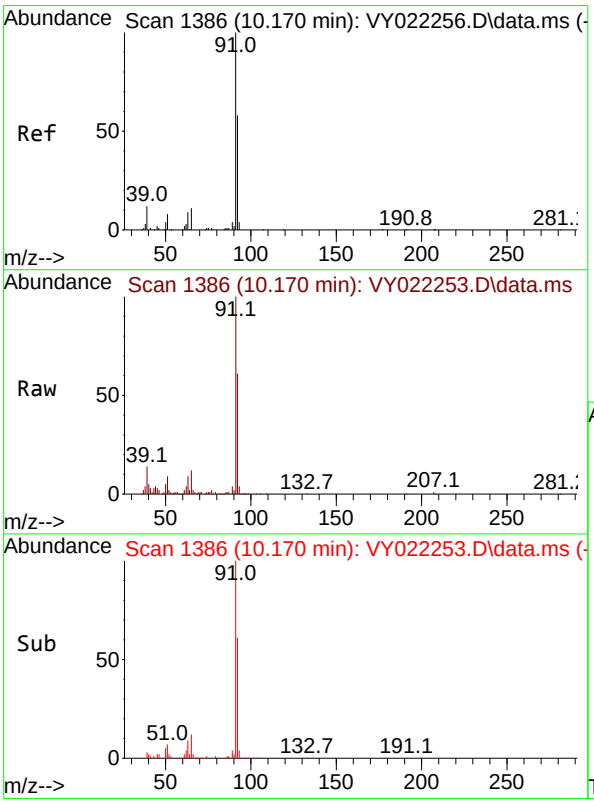
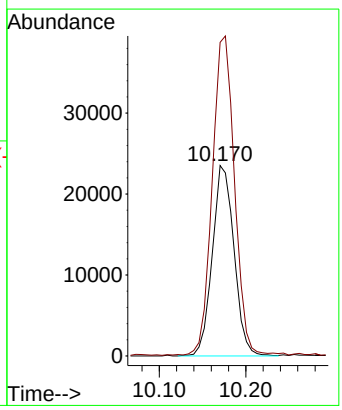
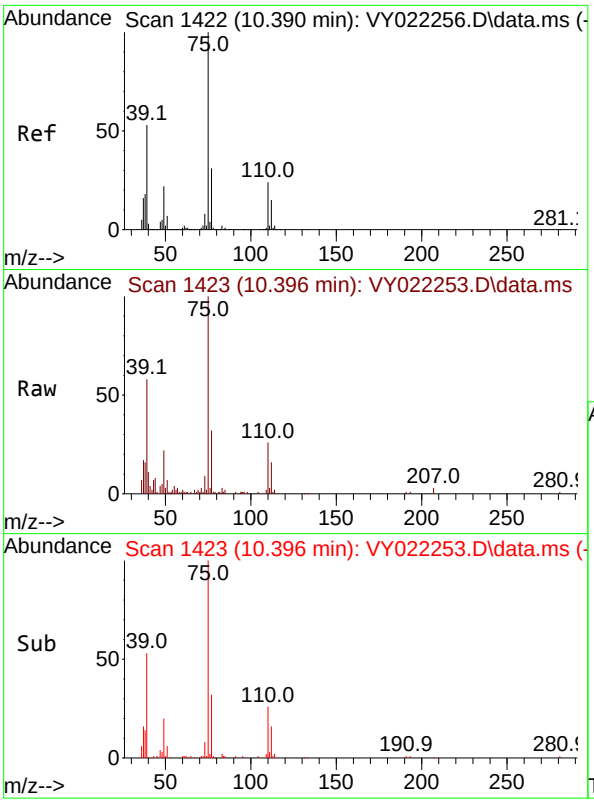


#52
Toluene
Concen: 4.722 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 92 Resp: 41001

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.1	208.7

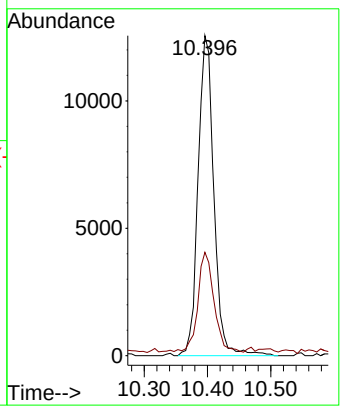




#53
t-1,3-Dichloropropene
Concen: 4.839 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 2184

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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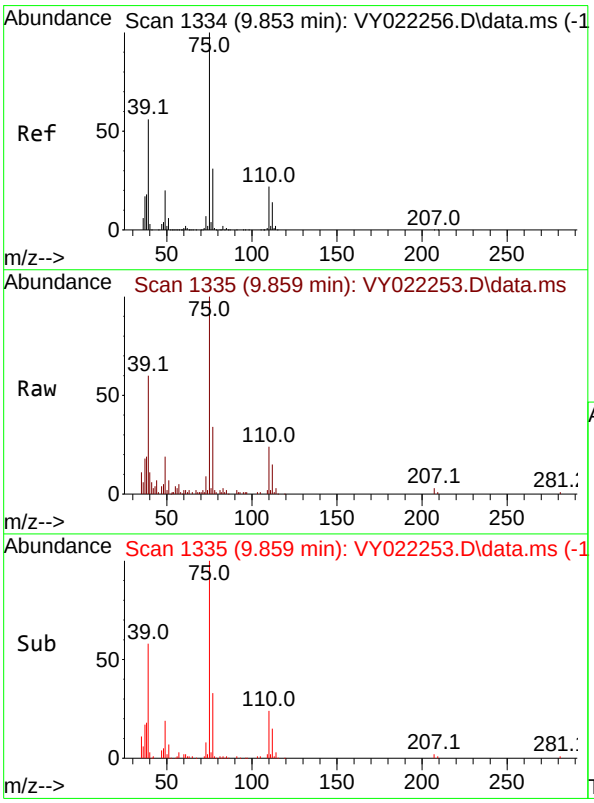
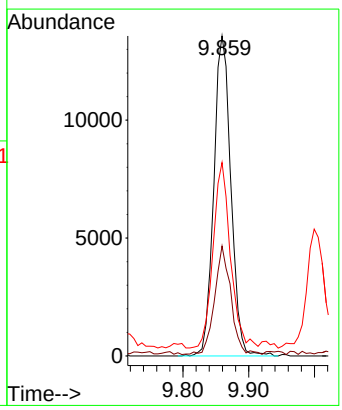
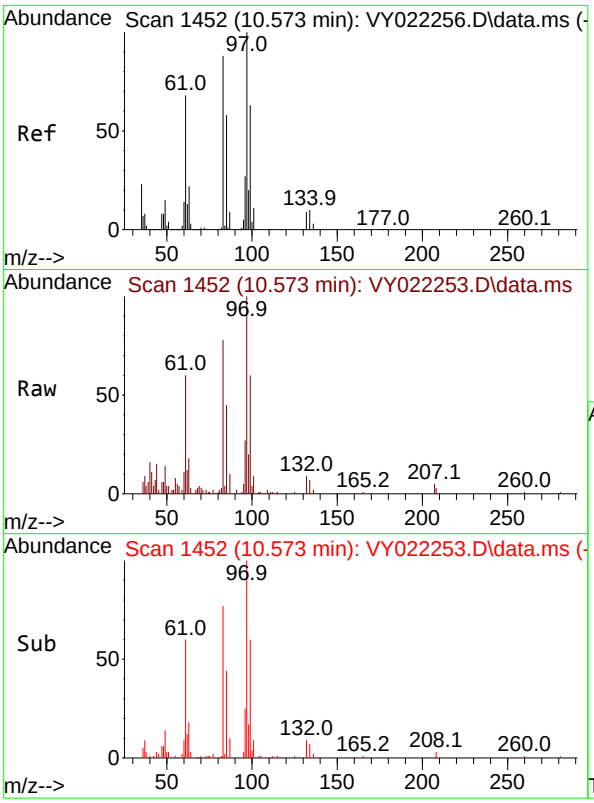


#54
cis-1,3-Dichloropropene
Concen: 4.758 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 24609

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.1	37.7
39	58.0	44.5	66.7

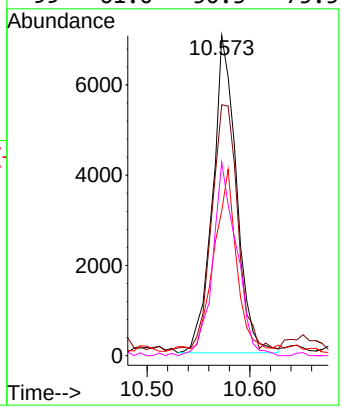




#55
1,1,2-Trichloroethane
Concen: 4.964 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 97 Resp: 1133

Ion	Ratio	Lower	Upper
97	100		
83	77.0	70.3	105.5
85	42.7	46.2	69.4
99	61.0	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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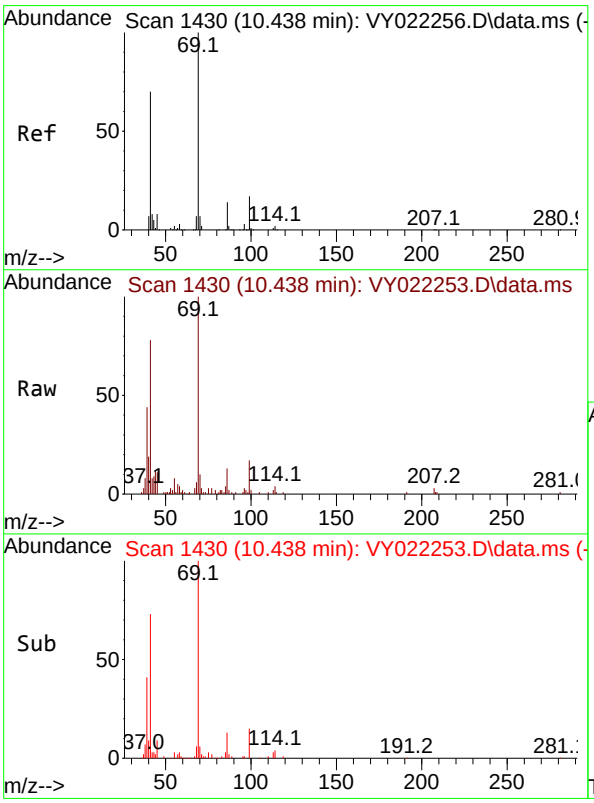
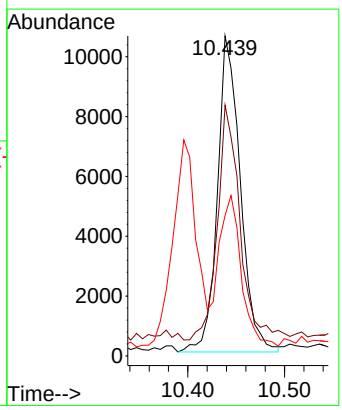
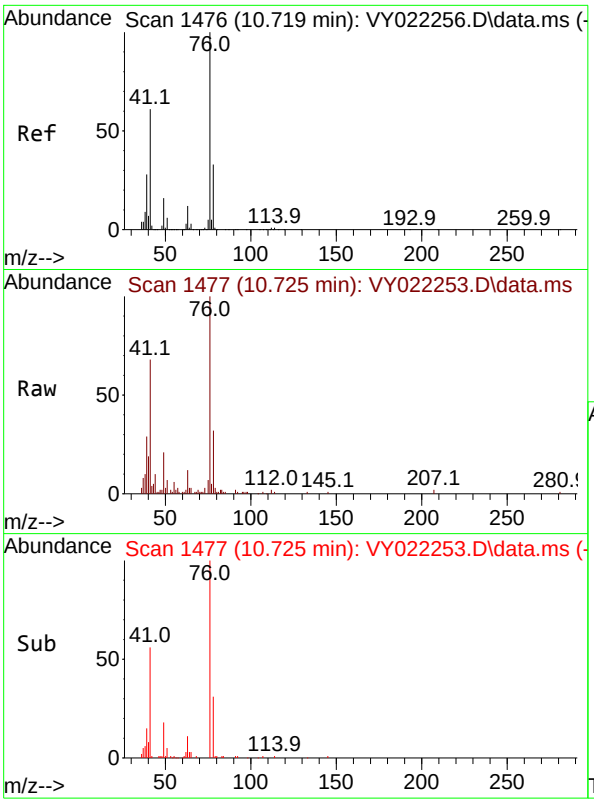


#56
Ethyl methacrylate
Concen: 4.898 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 69 Resp: 17420

Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.5	84.7
39	46.8	37.1	55.7





#57
1,3-Dichloropropane
Concen: 4.852 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 76 Resp: 1968

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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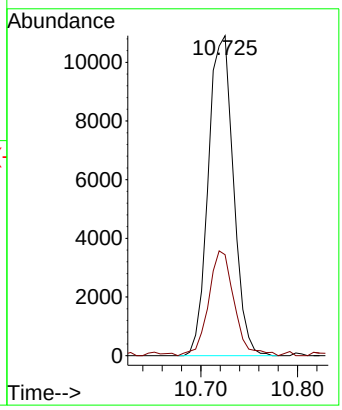
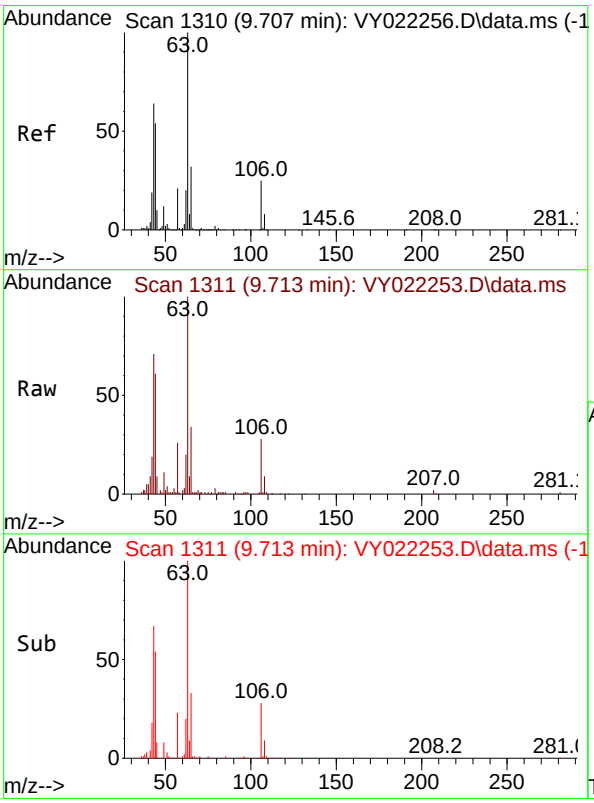
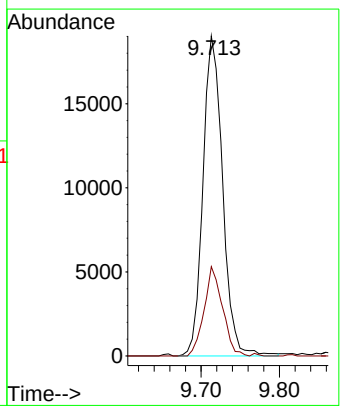


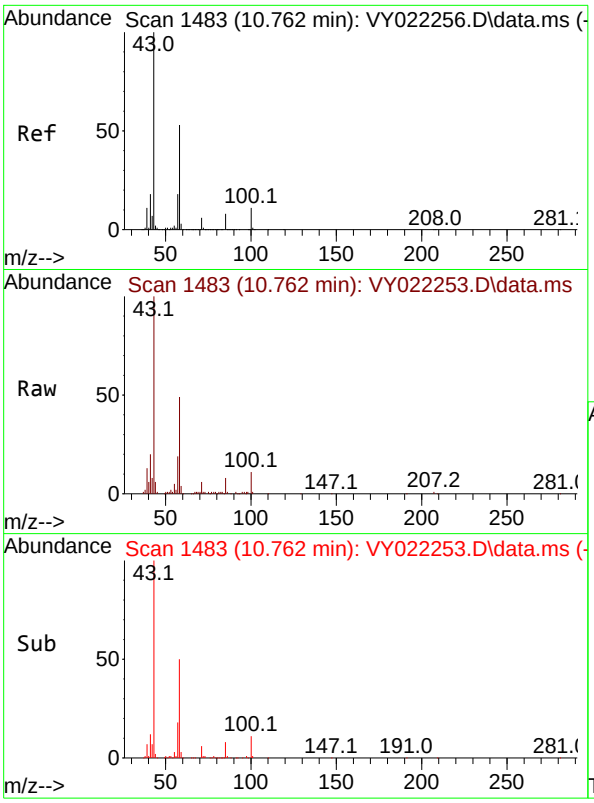


#58
2-Chloroethyl Vinyl ether
Concen: 20.807 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 33215

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.0	31.4





#59
2-Hexanone
Concen: 24.617 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 3930

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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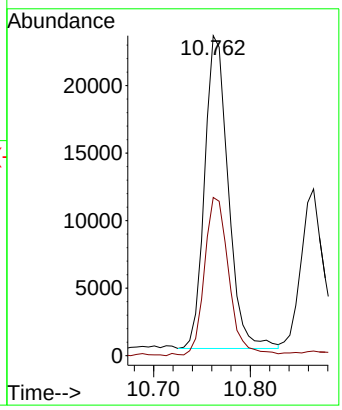
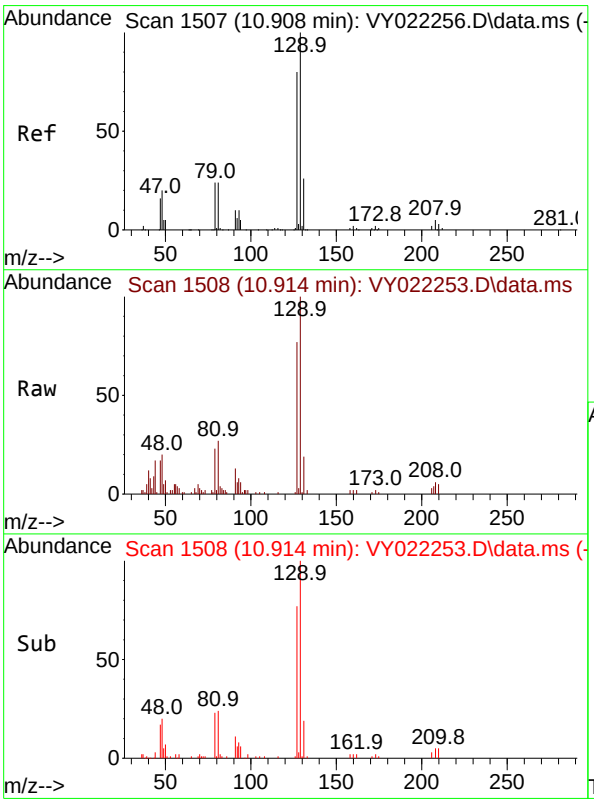
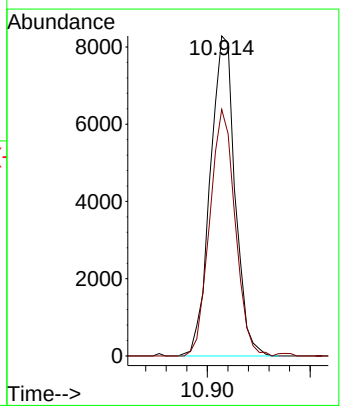


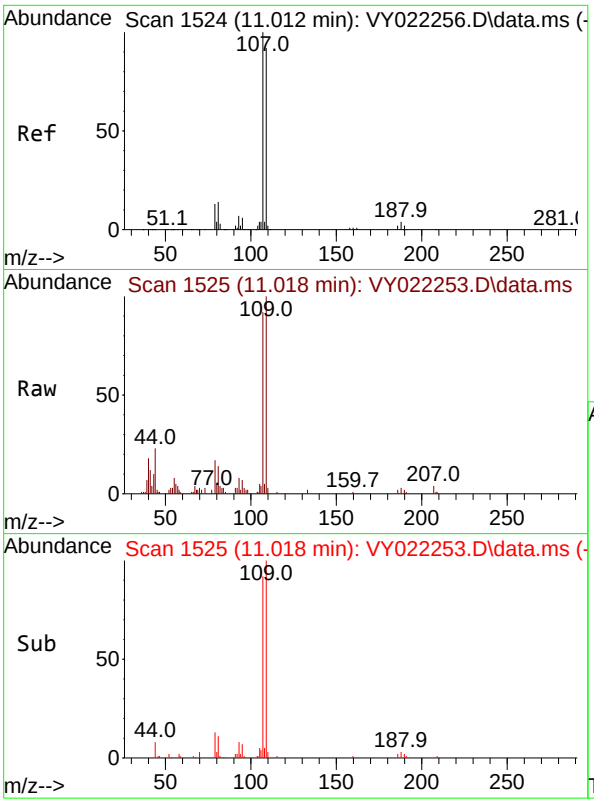


#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:129 Resp: 13908

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.7

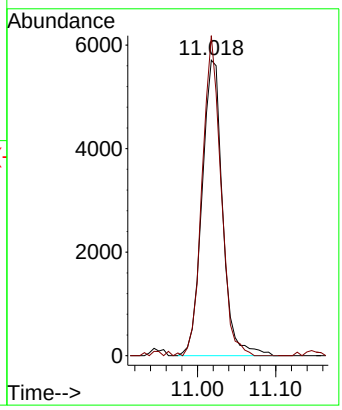




#61
1,2-Dibromoethane
Concen: 4.883 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:107 Resp: 1039

Ion	Ratio	Lower	Upper
107	100		
109	98.9	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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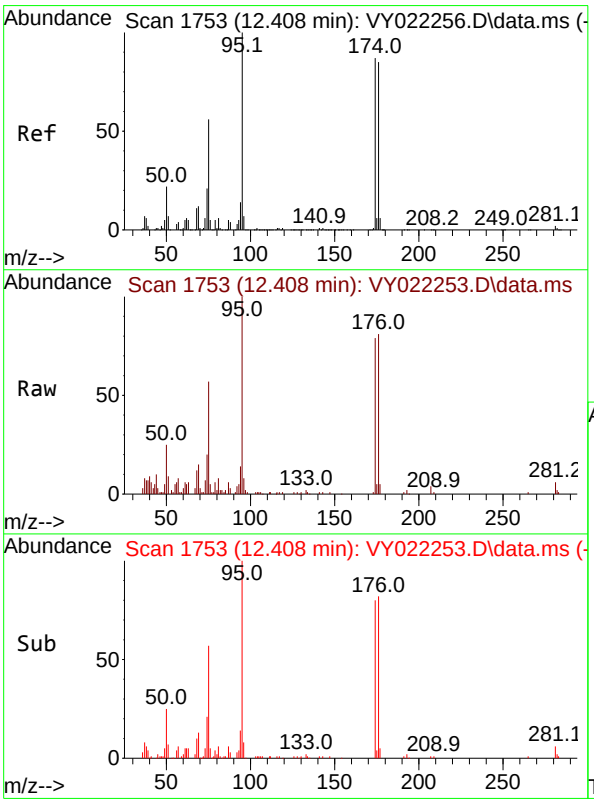
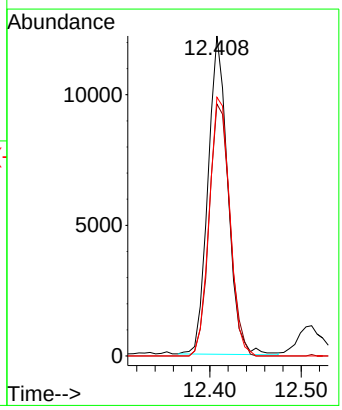
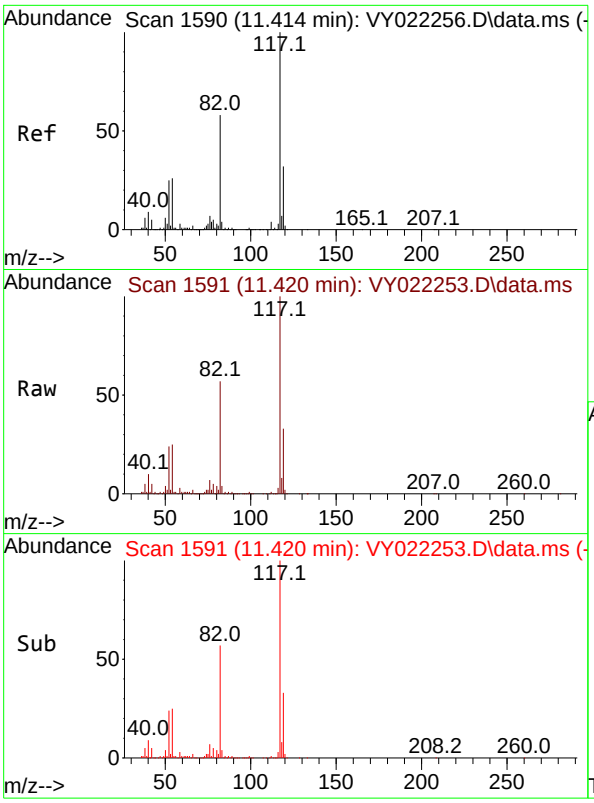


#62
4-Bromofluorobenzene
Concen: 5.028 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 95 Resp: 18328

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	166.8
176	84.3	0.0	160.8

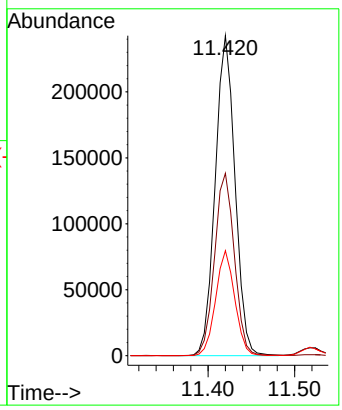




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 385399

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.6	70.0
119	32.8	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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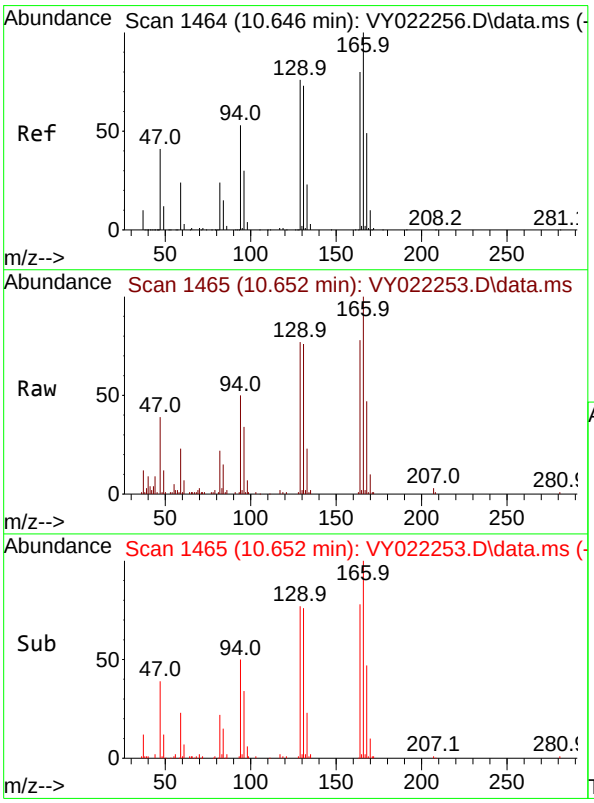
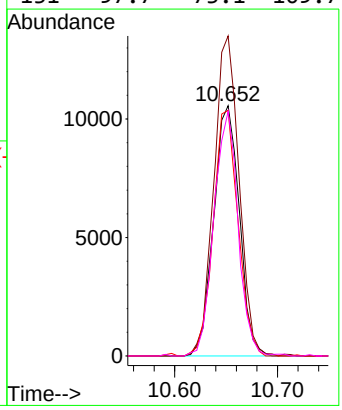
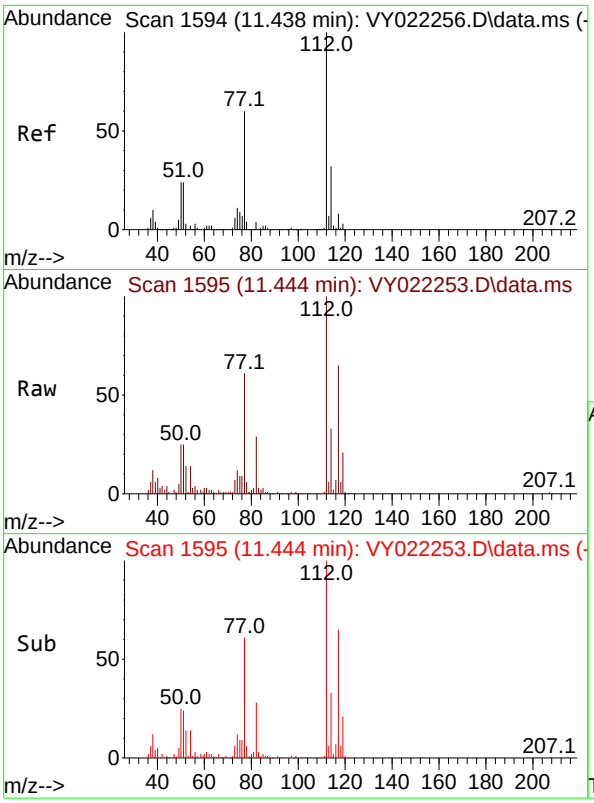


#64
Tetrachloroethene
Concen: 5.125 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:164 Resp: 18255

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.4	150.6
129	98.1	76.4	114.6
131	97.7	73.1	109.7

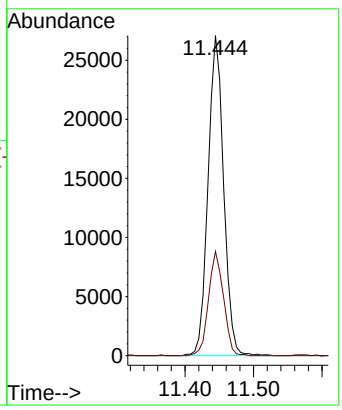




#65
Chlorobenzene
Concen: 4.927 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:112 Resp: 4284

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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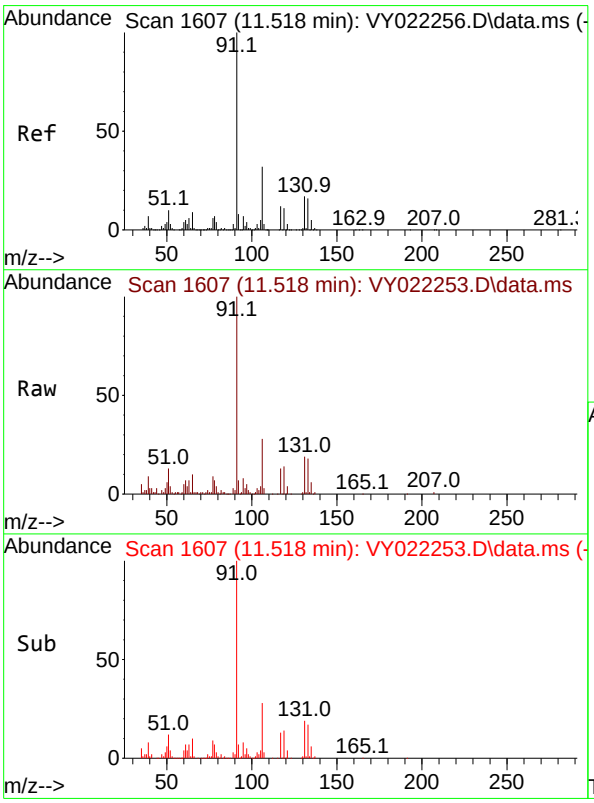
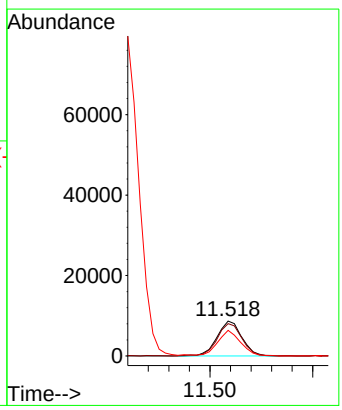
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

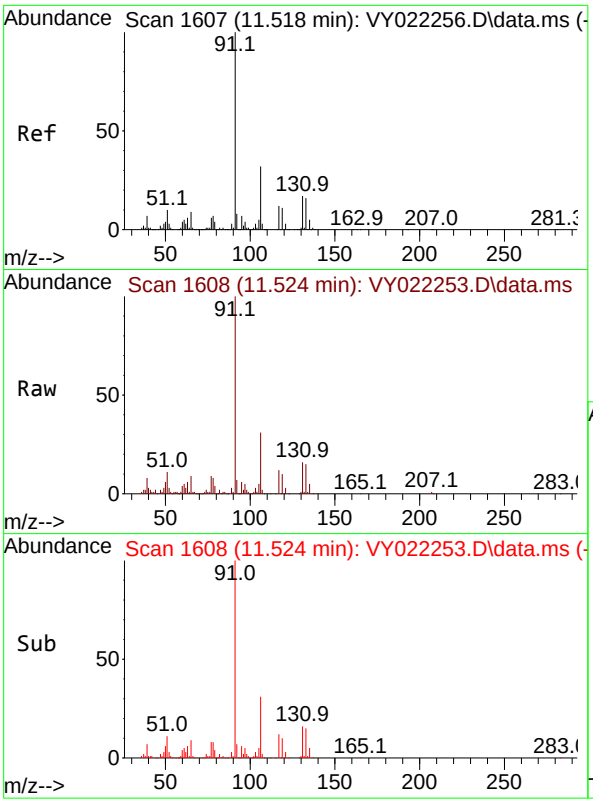


#66
1,1,1,2-Tetrachloroethane
Concen: 4.812 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:131 Resp: 14385

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	68.6	33.1	99.2

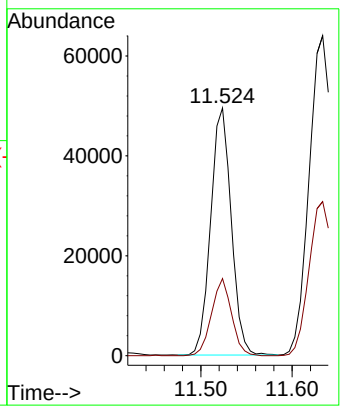




#67
Ethyl Benzene
Concen: 4.766 ug/l
RT: 11.524 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 7760(

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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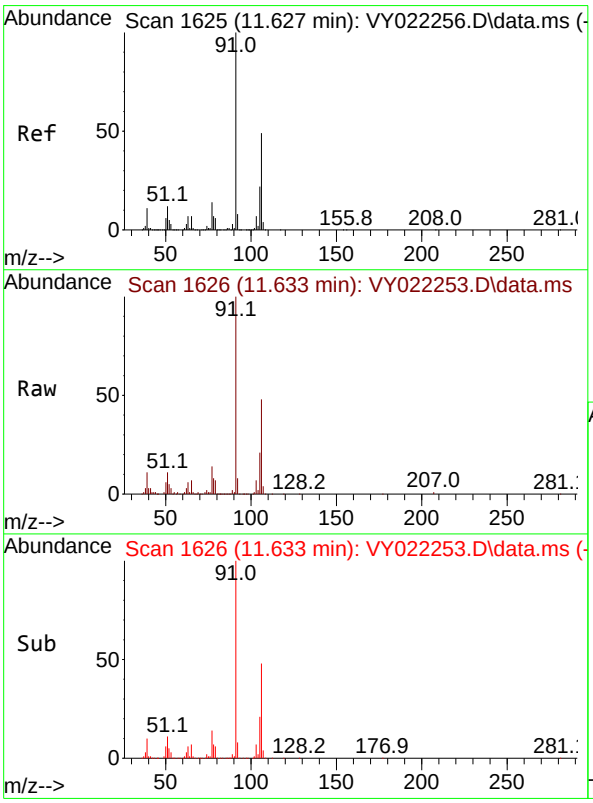
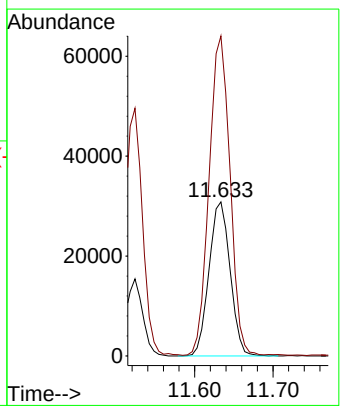
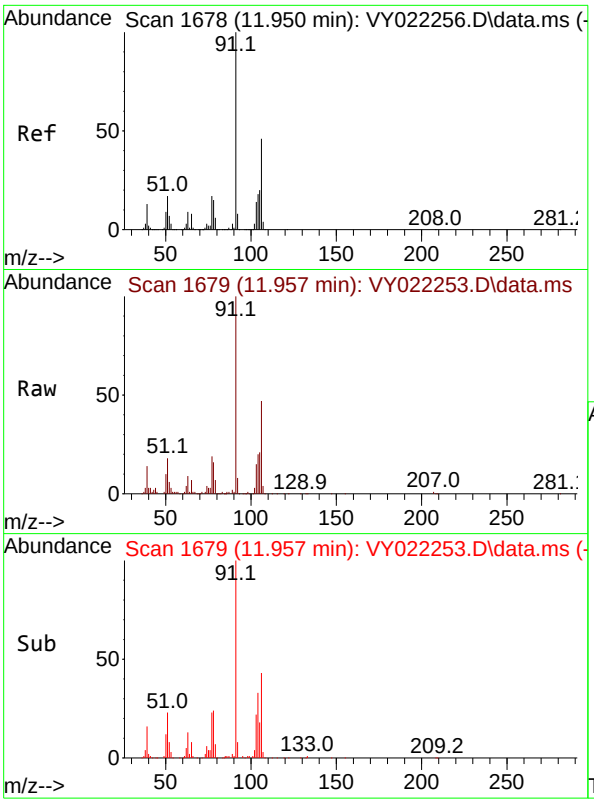


#68
m/p-Xylenes
Concen: 9.407 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:106 Resp: 57721

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.0	244.4

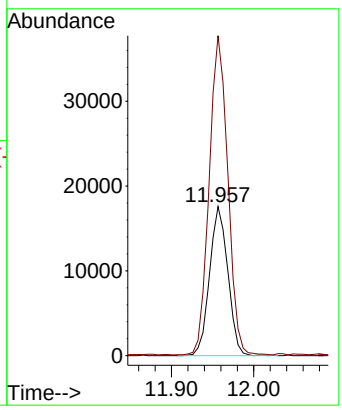




#69
o-Xylene
Concen: 4.673 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:106 Resp: 2713

Ion	Ratio	Lower	Upper
106	100		
91	218.6	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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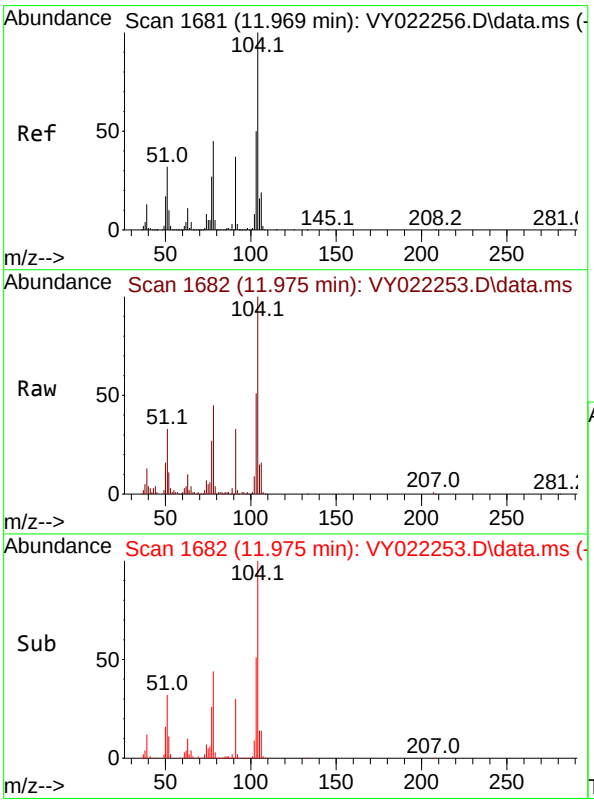
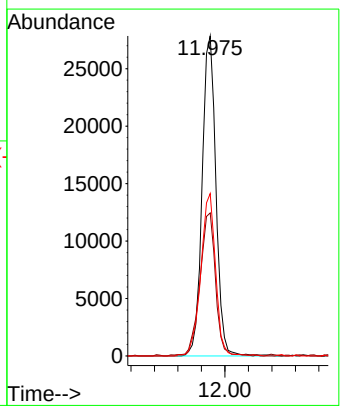
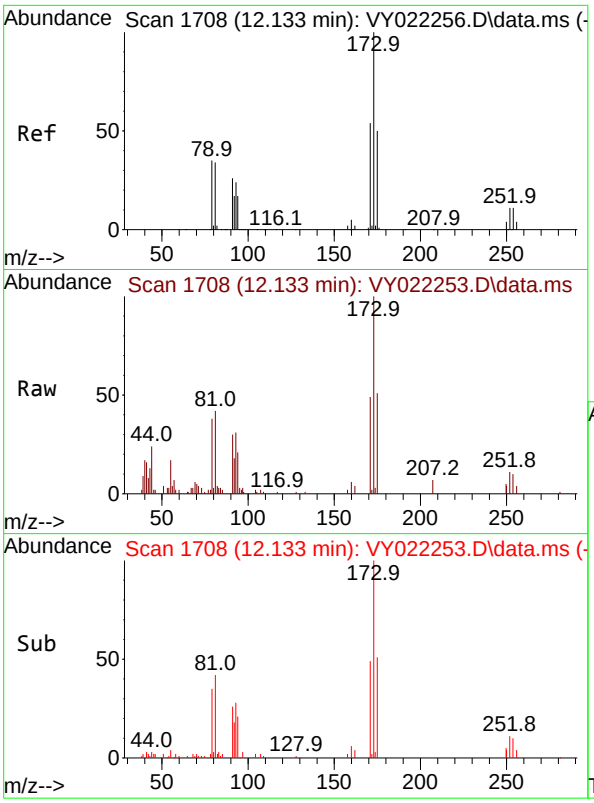


#70
Styrene
Concen: 4.652 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:104 Resp: 45556

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.9	61.3
103	54.2	43.7	65.5

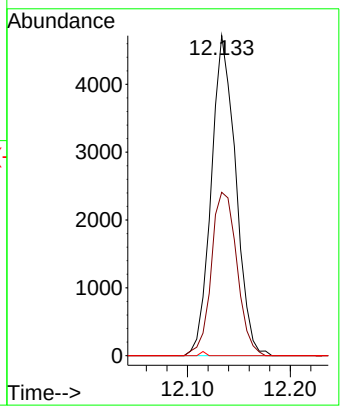




#71
Bromoform
Concen: 4.834 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:173 Resp: 7799

Ion	Ratio	Lower	Upper
173	100		
175	53.5	24.7	74.1
254	0.3	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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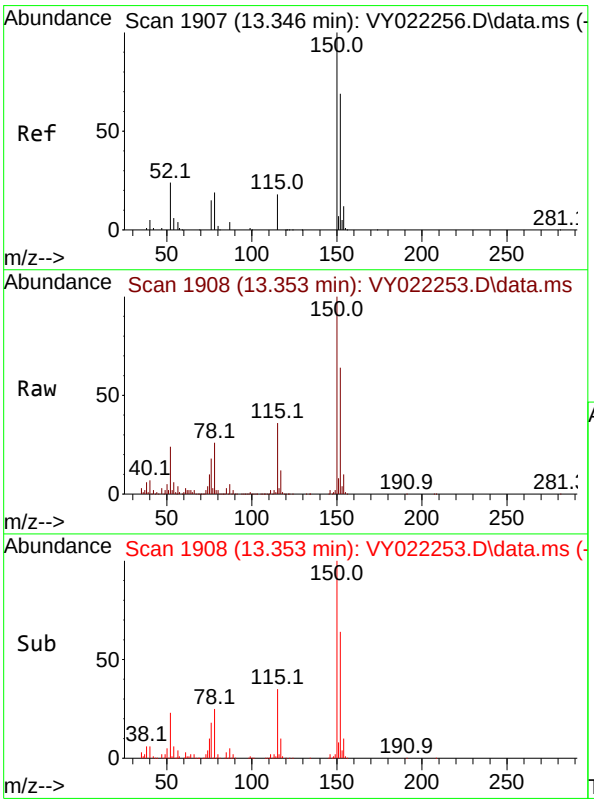
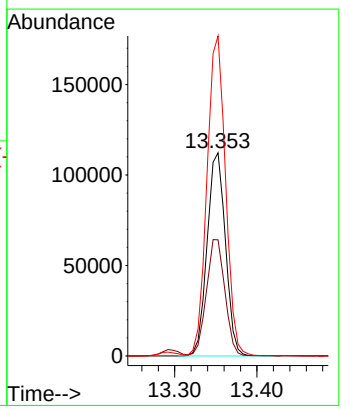
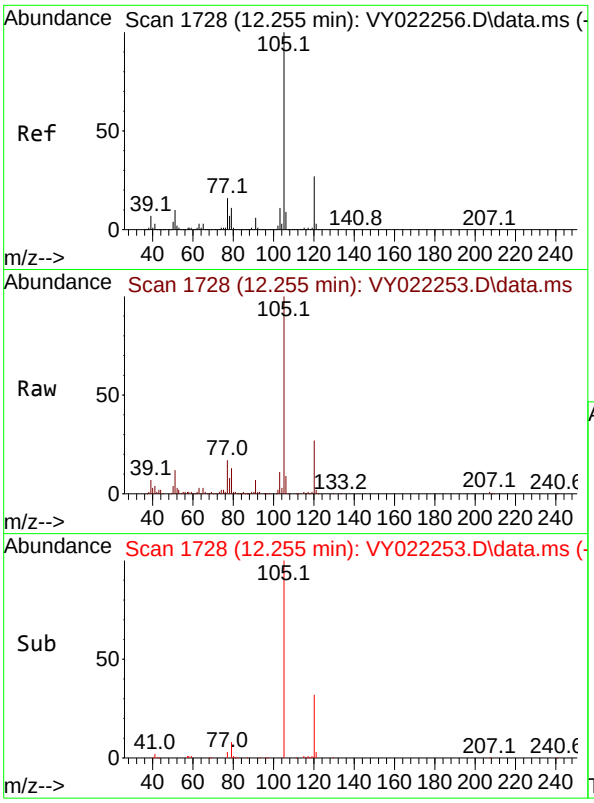


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:152 Resp: 174003

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	158.8	0.0	353.8

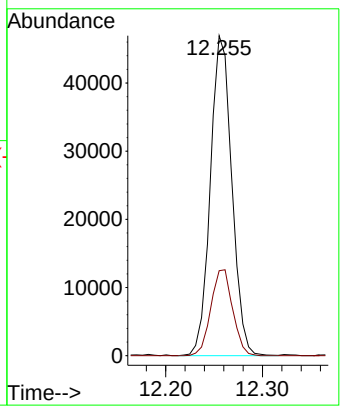




#73
Isopropylbenzene
Concen: 5.017 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 7232

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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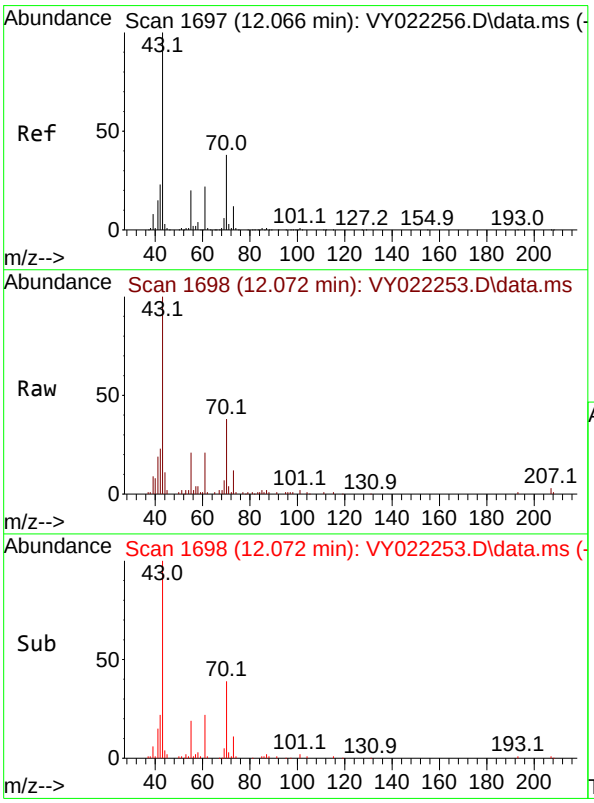
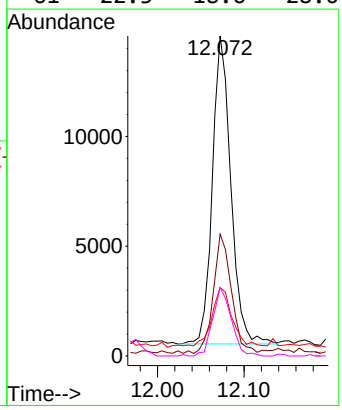
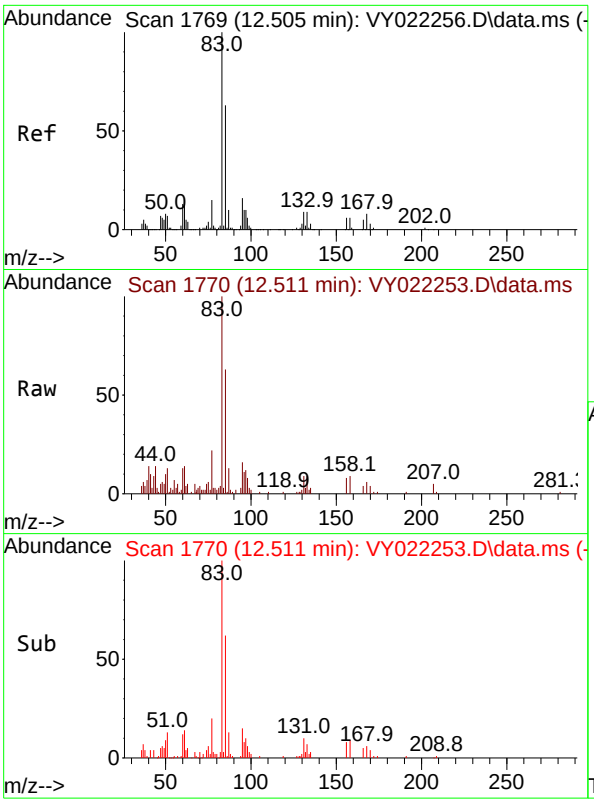


#74
N-amyl acetate
Concen: 5.043 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 20793

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.4	47.0
55	19.9	17.0	25.6
61	22.3	18.6	28.0

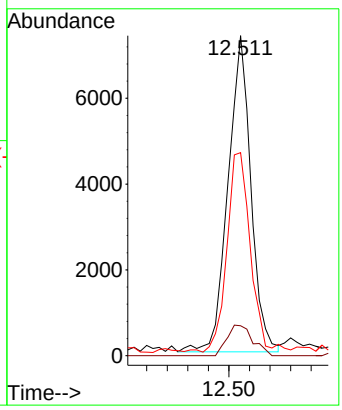




#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 1142

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.7
85	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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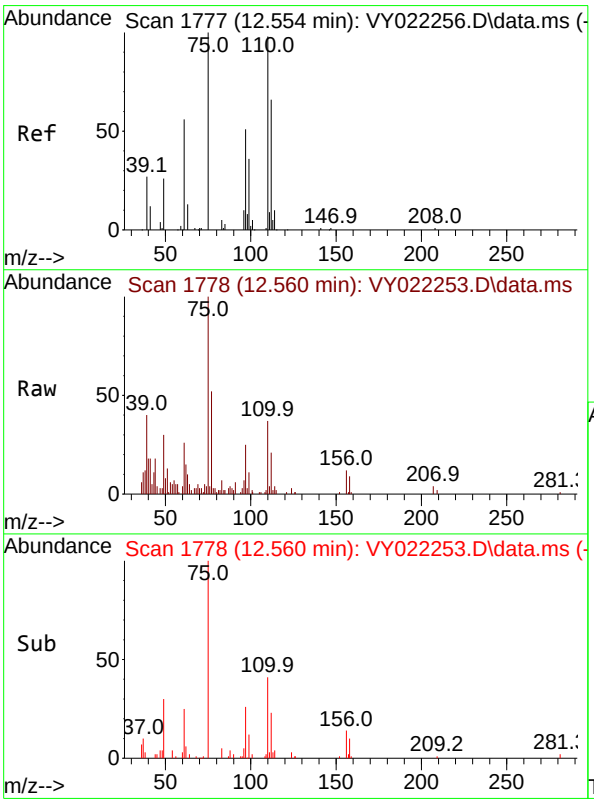
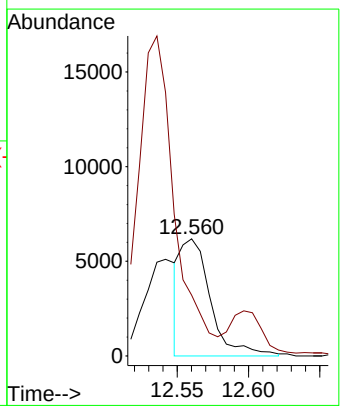
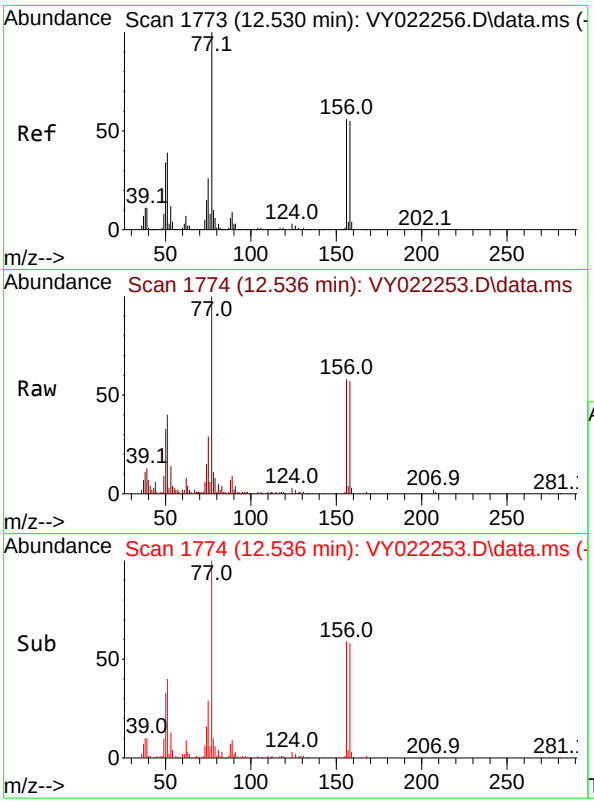


#76
1,2,3-Trichloropropane
Concen: 2.960 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 9076

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

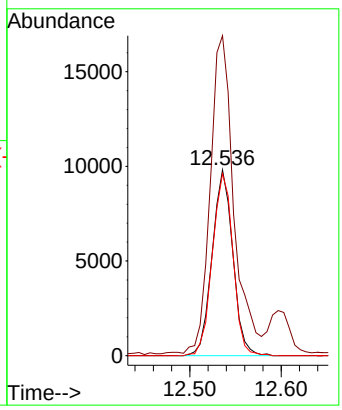




#77
Bromobenzene
Concen: 5.015 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:156 Resp: 1544

Ion	Ratio	Lower	Upper
156	100		
77	195.0	94.5	283.6
158	97.7	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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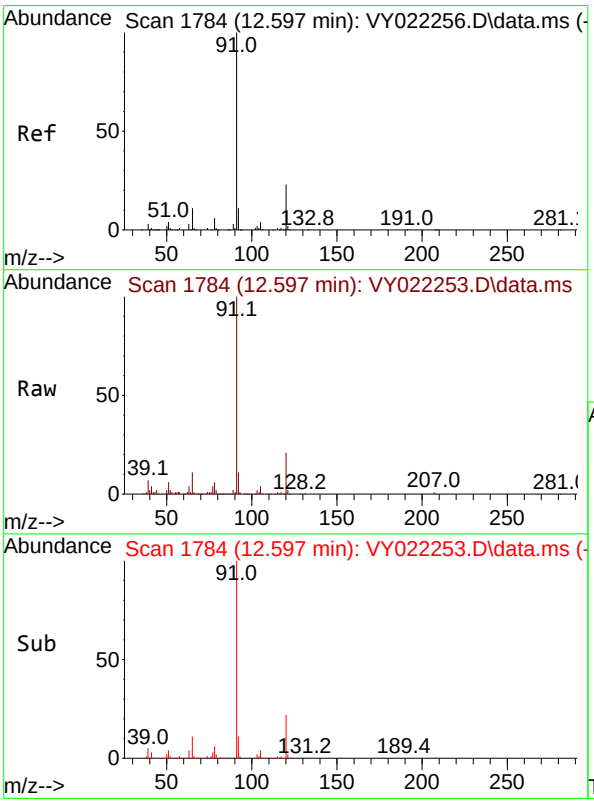
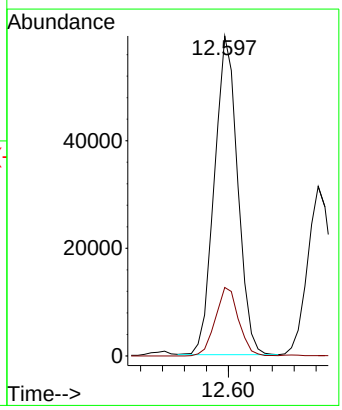
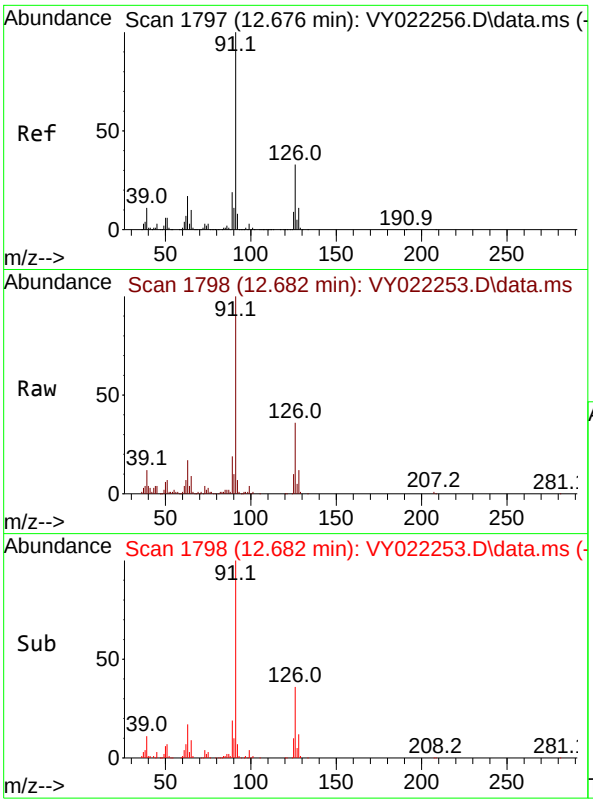


#78
n-propylbenzene
Concen: 5.034 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 87533

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3

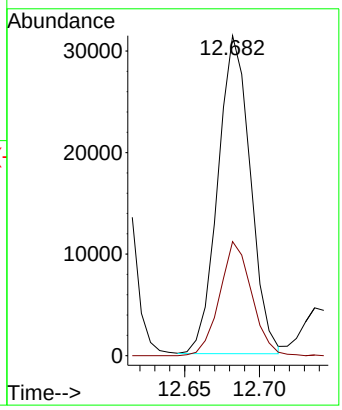




#79
2-Chlorotoluene
Concen: 4.944 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 4724

Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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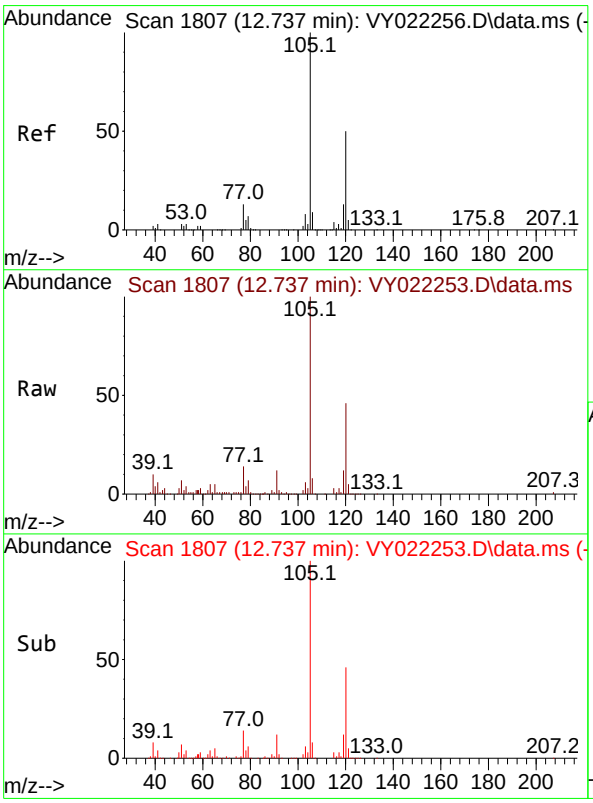
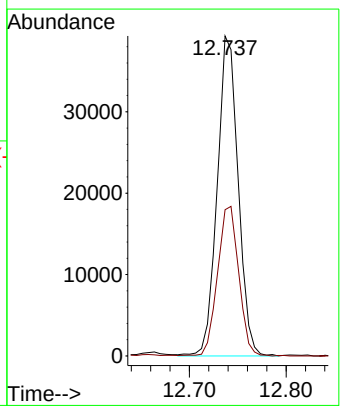
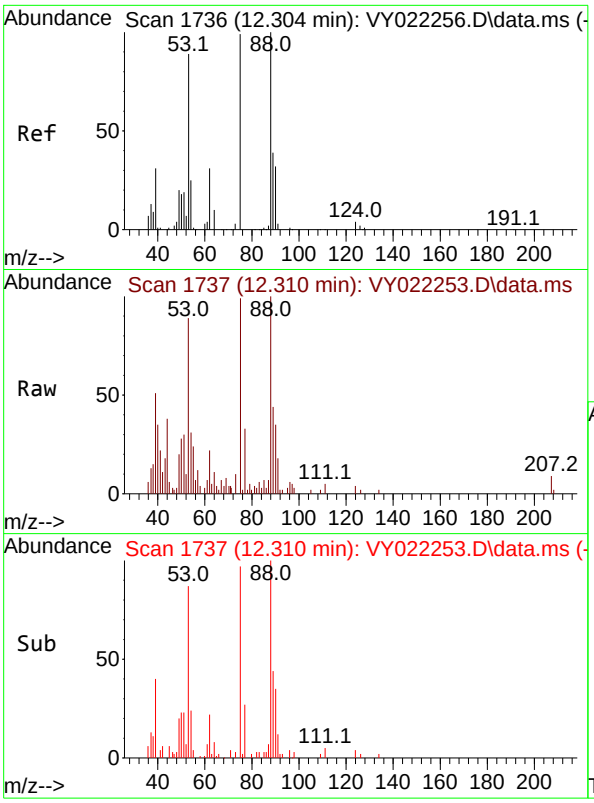


#80
1,3,5-Trimethylbenzene
Concen: 5.073 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 59031

Ion	Ratio	Lower	Upper
105	100		
120	47.3	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 5.373 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 467

Ion	Ratio	Lower	Upper
75	100		
53	93.6	75.8	113.8
89	50.0	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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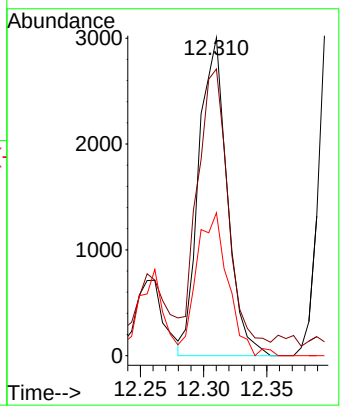
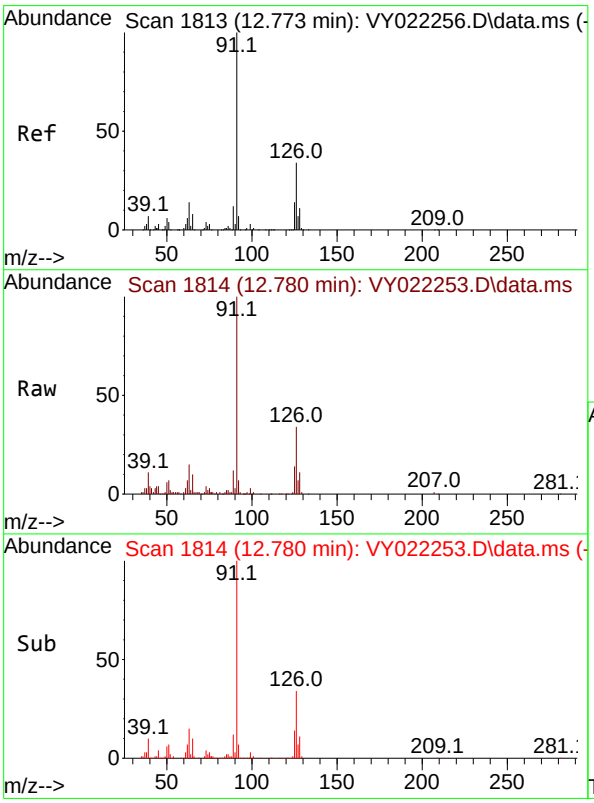
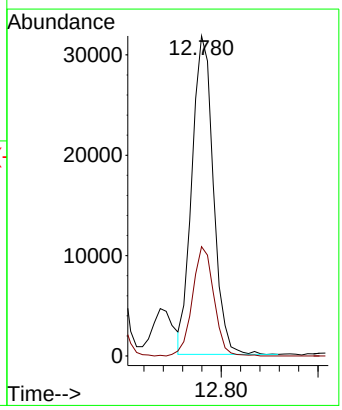


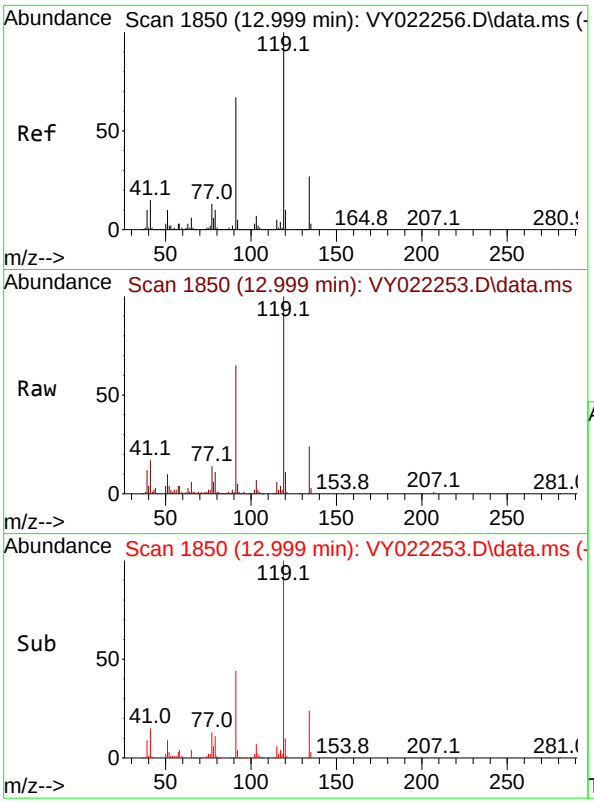


#82
4-Chlorotoluene
Concen: 4.959 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 48737

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4

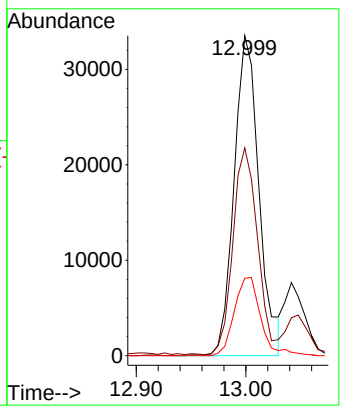




#83
tert-Butylbenzene
Concen: 5.109 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:119 Resp: 5284

Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	26.0	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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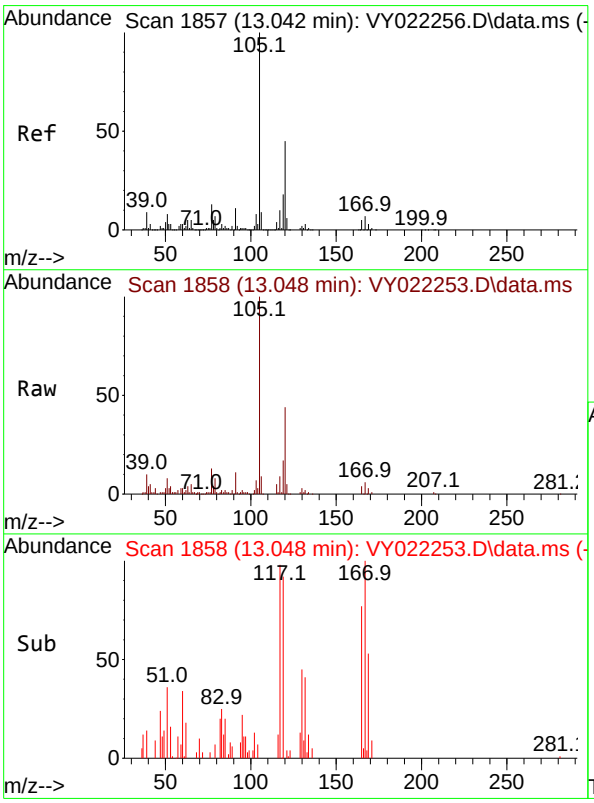
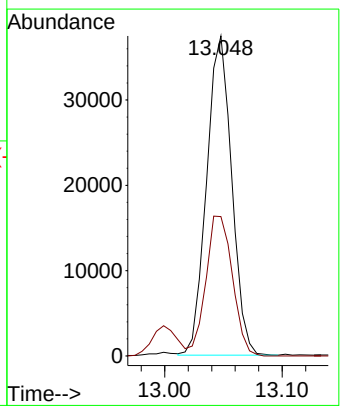
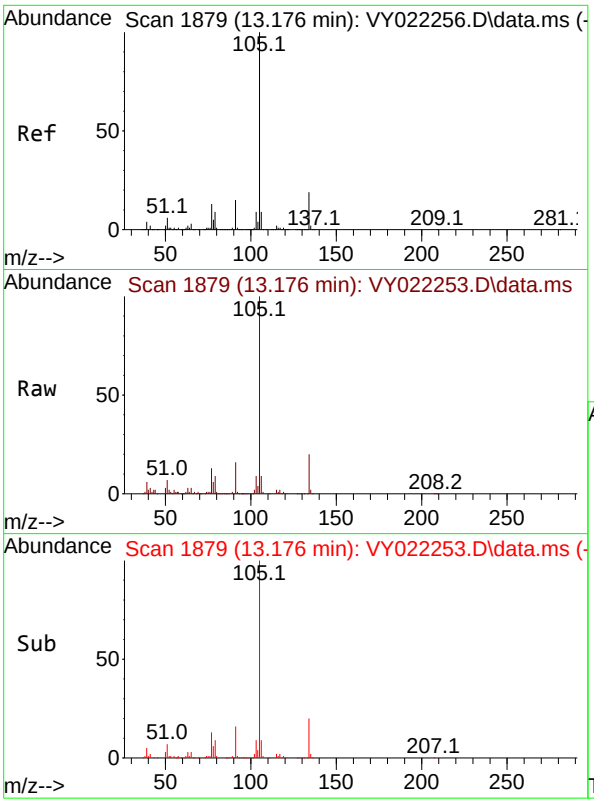


#84
1,2,4-Trimethylbenzene
Concen: 4.804 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 55488

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.3	66.9





#85
sec-Butylbenzene
Concen: 4.975 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

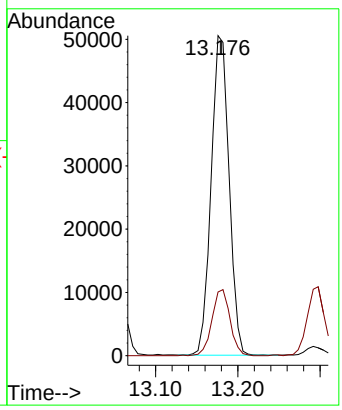
Tgt Ion:105 Resp: 7638

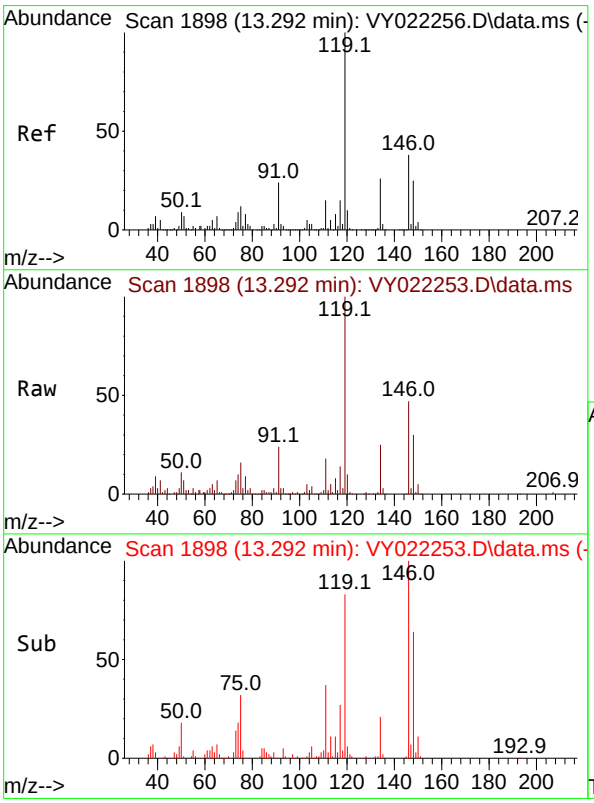
Ion	Ratio	Lower	Upper
105	100		
134	20.9	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

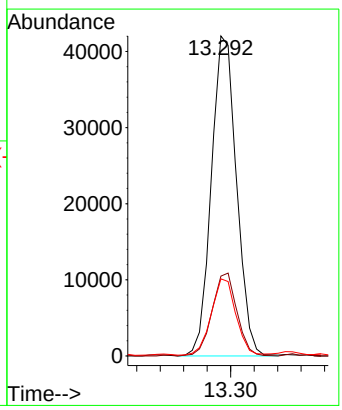


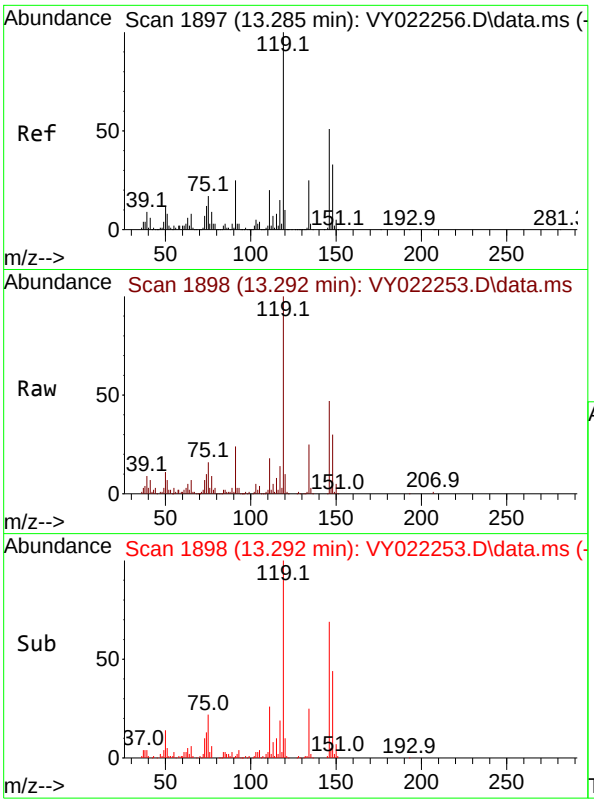


#86
p-Isopropyltoluene
Concen: 4.849 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:119 Resp: 62608

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	23.2	12.1	36.3

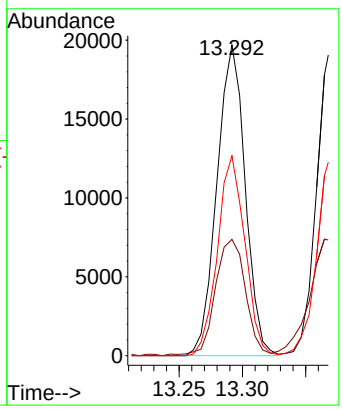




#87
1,3-Dichlorobenzene
Concen: 4.863 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:146 Resp: 3056

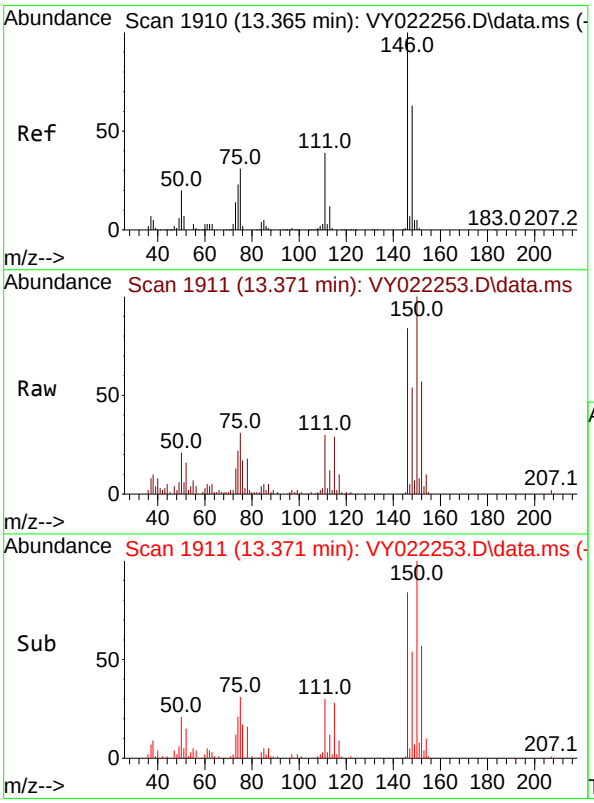
Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	62.5	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

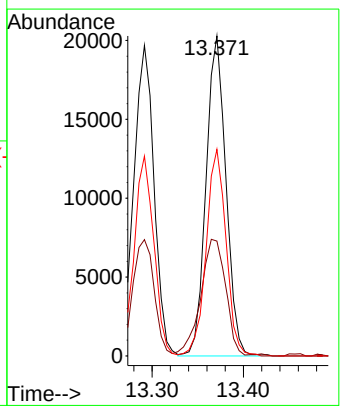
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

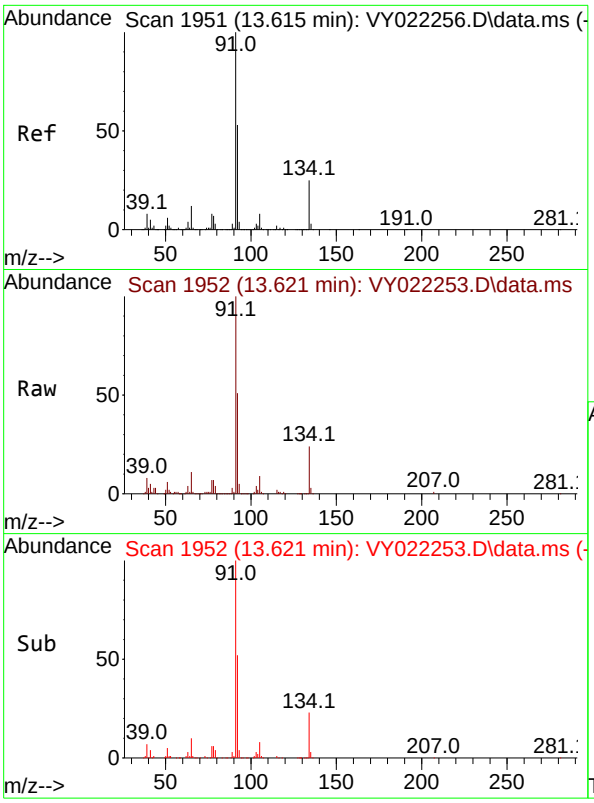


#88
1,4-Dichlorobenzene
Concen: 5.063 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:146 Resp: 30610

Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.0	59.9
148	64.8	32.1	96.5

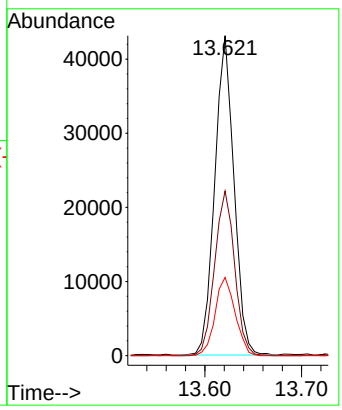




#89
n-Butylbenzene
Concen: 4.869 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 5948

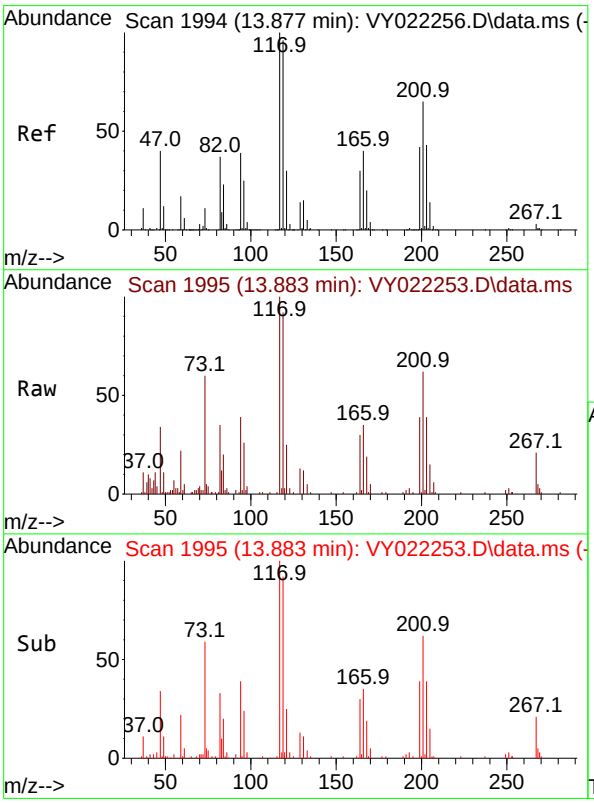
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	25.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

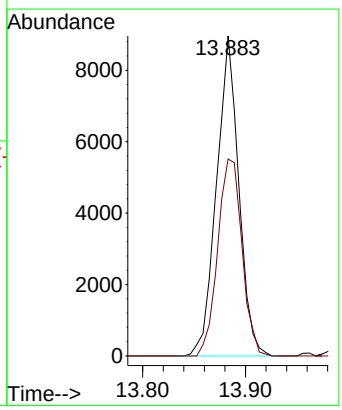
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

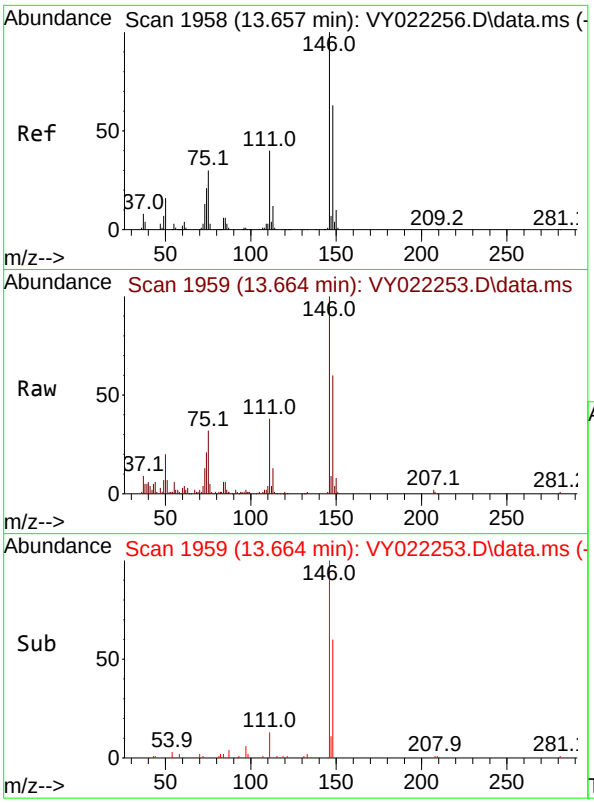


#90
Hexachloroethane
Concen: 5.158 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 13445

Ion	Ratio	Lower	Upper
117	100		
201	67.2	35.2	105.6

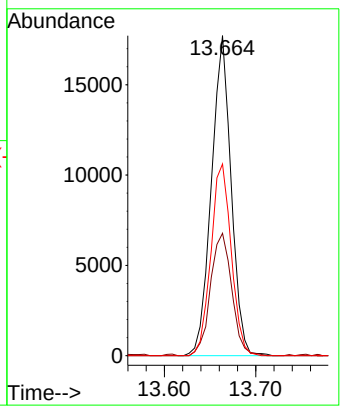




#91
1,2-Dichlorobenzene
Concen: 5.030 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:146 Resp: 2655

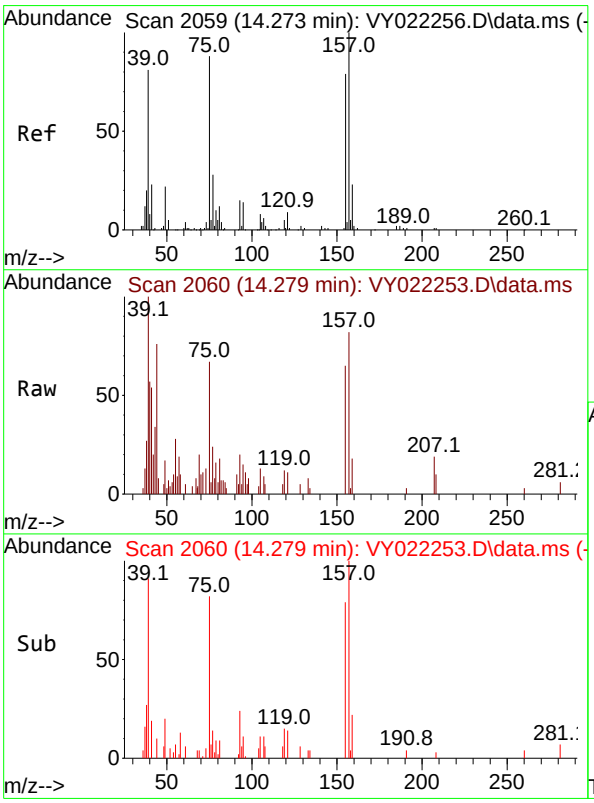
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.5
148	61.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

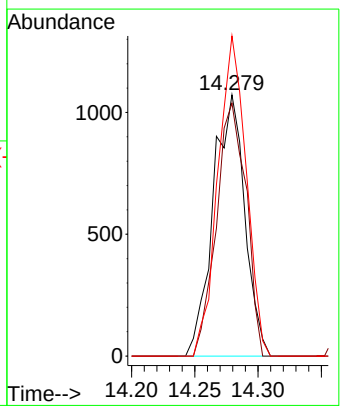
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

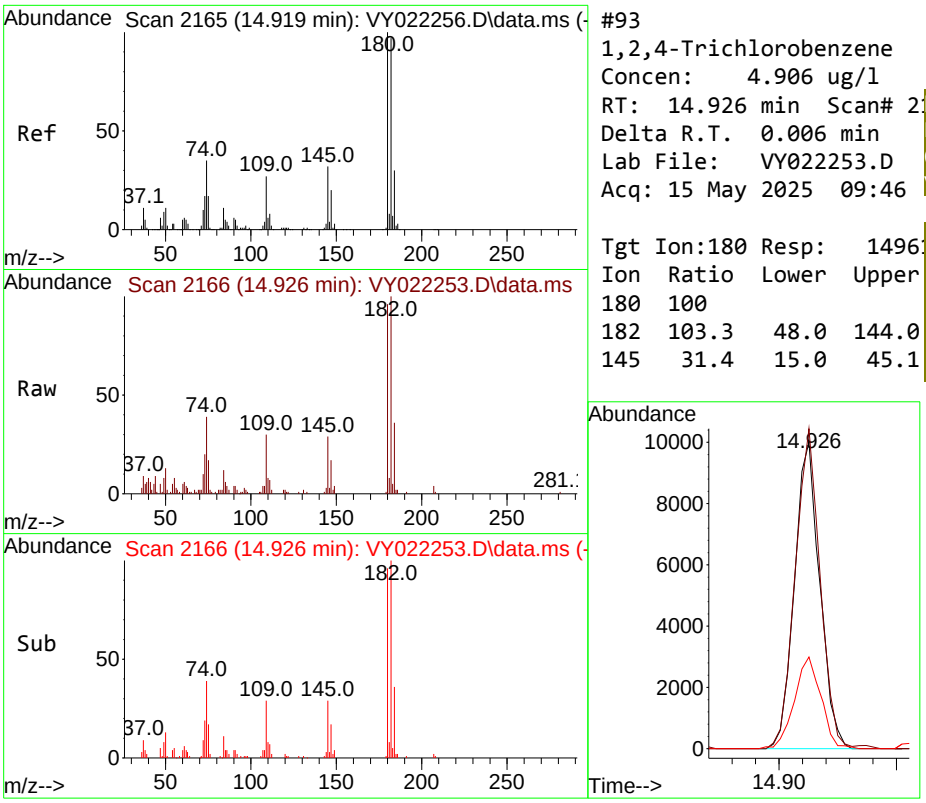


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.217 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 1865

Ion	Ratio	Lower	Upper
75	100		
155	90.8	43.4	130.1
157	109.4	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 4.906 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

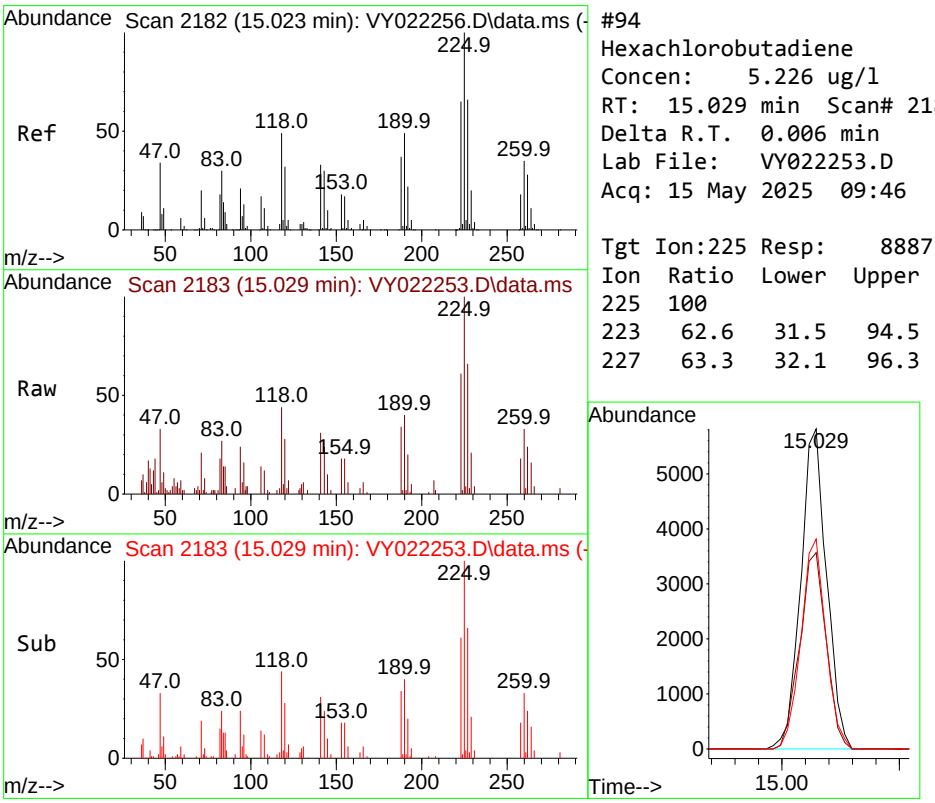
Tgt Ion:180 Resp: 1496

Ion	Ratio	Lower	Upper
180	100		
182	103.3	48.0	144.0
145	31.4	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

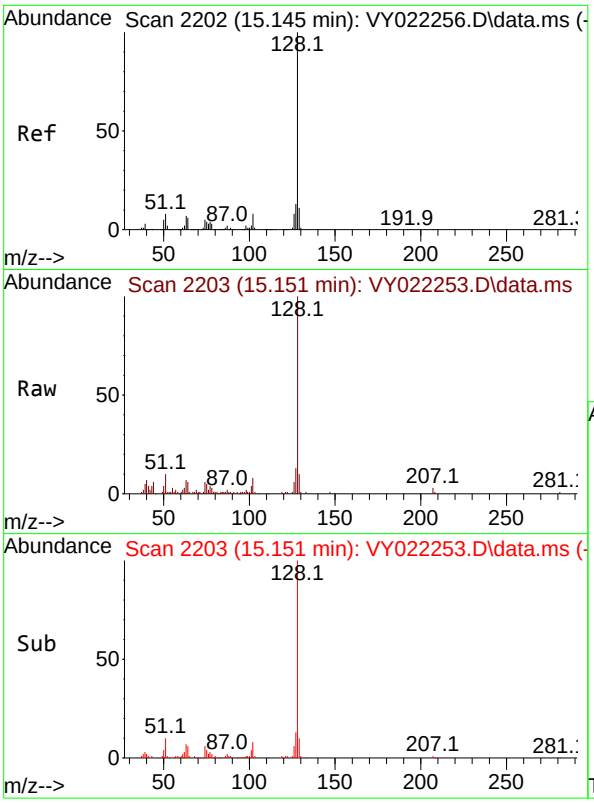
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#94
Hexachlorobutadiene
Concen: 5.226 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:225 Resp: 8887

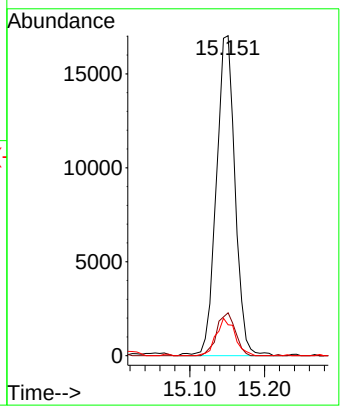
Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.3	32.1	96.3



#95
Naphthalene
Concen: 5.124 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:128 Resp: 2965

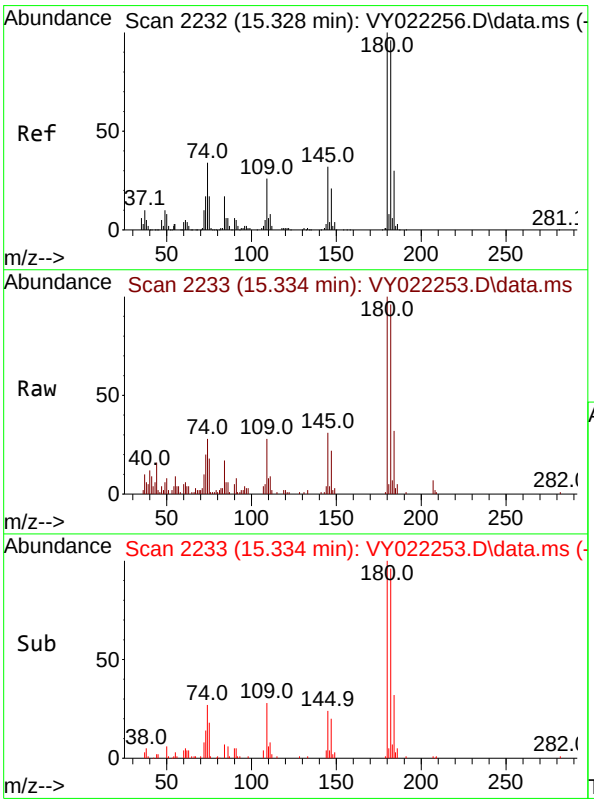
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.7	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

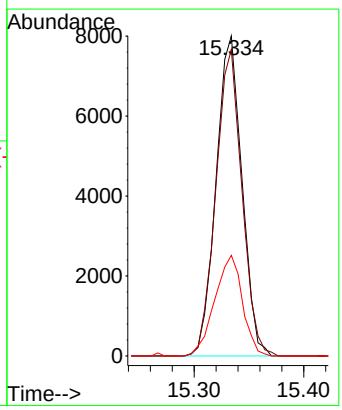
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.063 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:180 Resp: 13097

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.1	141.3
145	33.7	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	265034	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	446109	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	377211	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	171972	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	29608	10.222	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 20.440%#				
35) Dibromofluoromethane	7.634	113	26242	9.856	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.720%#				
50) Toluene-d8	10.109	98	107048	9.816	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 19.640%#				
62) 4-Bromofluorobenzene	12.408	95	34423	9.959	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 19.920%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	31097	11.245	ug/l		99
3) Chloromethane	2.068	50	65589	11.275	ug/l		98
4) Vinyl Chloride	2.202	62	69800	10.739	ug/l		95
5) Bromomethane	2.592	94	54773	10.352	ug/l		99
6) Chloroethane	2.732	64	43122	10.665	ug/l		99
7) Trichlorofluoromethane	3.056	101	68501	10.410	ug/l		99
8) Diethyl Ether	3.458	74	16945	10.730	ug/l		96
9) 1,1,2-Trichlorotrifluo...	3.812	101	30591	10.708	ug/l		99
10) Methyl Iodide	4.007	142	31088	9.402	ug/l		97
11) Tert butyl alcohol	4.878	59	12043	54.446	ug/l	#	100
12) 1,1-Dichloroethene	3.793	96	28831	10.170	ug/l		95
13) Acrolein	3.659	56	17927	55.439	ug/l		96
14) Allyl chloride	4.378	41	51275	10.315	ug/l		99
15) Acrylonitrile	5.061	53	33277	51.139	ug/l		100
16) Acetone	3.879	43	30229	55.657	ug/l		100
17) Carbon Disulfide	4.104	76	96591	10.448	ug/l		97
18) Methyl Acetate	4.385	43	16338	9.886	ug/l		94
19) Methyl tert-butyl Ether	5.116	73	80714	10.326	ug/l		96
20) Methylene Chloride	4.622	84	42991	12.250	ug/l		95
21) trans-1,2-Dichloroethene	5.116	96	32258	10.309	ug/l		98
22) Diisopropyl ether	6.018	45	106493	10.145	ug/l		94
23) Vinyl Acetate	5.964	43	324651	51.192	ug/l		100
24) 1,1-Dichloroethane	5.915	63	60198	10.265	ug/l		97
25) 2-Butanone	6.896	43	48022	52.859	ug/l		98
26) 2,2-Dichloropropane	6.890	77	54264	10.403	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	36403	10.081	ug/l		98
28) Bromochloromethane	7.244	49	25664	10.259	ug/l		98
29) Tetrahydrofuran	7.274	42	30684	52.498	ug/l		98
30) Chloroform	7.421	83	57172	10.163	ug/l		100
31) Cyclohexane	7.701	56	63155	10.778	ug/l		95
32) 1,1,1-Trichloroethane	7.622	97	52856	10.242	ug/l		99
36) 1,1-Dichloropropene	7.835	75	44817	10.219	ug/l		97
37) Ethyl Acetate	6.994	43	20624	9.774	ug/l		97
38) Carbon Tetrachloride	7.817	117	46772	10.303	ug/l		97
39) Methylcyclohexane	9.109	83	60489	10.266	ug/l		98
40) Benzene	8.079	78	130423	10.032	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	16228m	10.510	ug/l		
42) 1,2-Dichloroethane	8.158	62	35565	10.115	ug/l		100
43) Isopropyl Acetate	8.201	43	47020	10.217	ug/l		98
44) Trichloroethene	8.865	130	32655	10.101	ug/l		99
45) 1,2-Dichloropropane	9.140	63	32172	10.264	ug/l		93
46) Dibromomethane	9.231	93	17134	10.135	ug/l		99
47) Bromodichloromethane	9.426	83	44045	10.042	ug/l		96
48) Methyl methacrylate	9.225	41	21202	9.851	ug/l		98
49) 1,4-Dioxane	9.231	88	3930	205.769	ug/l	#	75
51) 4-Methyl-2-Pentanone	9.999	43	110396	48.889	ug/l		100
52) Toluene	10.170	92	82453	10.015	ug/l		96
53) t-1,3-Dichloropropene	10.396	75	42158	9.849	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	48923	9.976	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	21720	10.033	ug/l		97
56) Ethyl methacrylate	10.438	69	32286	9.574	ug/l		98
57) 1,3-Dichloropropane	10.719	76	38908	10.115	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	66700	44.066	ug/l		100
59) 2-Hexanone	10.761	43	74432	49.162	ug/l		99
60) Dibromochloromethane	10.914	129	28002	9.965	ug/l		99
61) 1,2-Dibromoethane	11.018	107	20378	10.099	ug/l		99
64) Tetrachloroethene	10.646	164	36274	10.404	ug/l		99
65) Chlorobenzene	11.444	112	83730	9.839	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	28441	9.721	ug/l		97
67) Ethyl Benzene	11.517	91	154155	9.672	ug/l		97
68) m/p-Xylenes	11.627	106	116113	19.334	ug/l		99
69) o-Xylene	11.956	106	55896	9.837	ug/l		96
70) Styrene	11.969	104	91569	9.553	ug/l		99
71) Bromoform	12.133	173	16151	10.228	ug/l	#	95
73) Isopropylbenzene	12.255	105	144186	10.120	ug/l		99
74) N-amyl acetate	12.072	43	40345	9.901	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	22243	10.152	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16056m	5.297	ug/l		
77) Bromobenzene	12.536	156	30445	10.005	ug/l		99
78) n-propylbenzene	12.597	91	173575	10.101	ug/l		100
79) 2-Chlorotoluene	12.682	91	95815	10.146	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	116461	10.126	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	8934	10.388	ug/l		94
82) 4-Chlorotoluene	12.779	91	97309	10.018	ug/l		99
83) tert-Butylbenzene	12.999	119	102274	10.005	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	115175	10.088	ug/l		99
85) sec-Butylbenzene	13.176	105	153443	10.112	ug/l		100
86) p-Isopropyltoluene	13.291	119	124147	9.728	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	61011	9.822	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	60723	10.163	ug/l		97
89) n-Butylbenzene	13.621	91	120371	9.970	ug/l		99
90) Hexachloroethane	13.883	117	26089	10.127	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	52282	10.020	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3588	10.155	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	29073	9.646	ug/l		99
94) Hexachlorobutadiene	15.023	225	16686	9.927	ug/l		98
95) Naphthalene	15.145	128	54307	9.495	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	24790	9.696	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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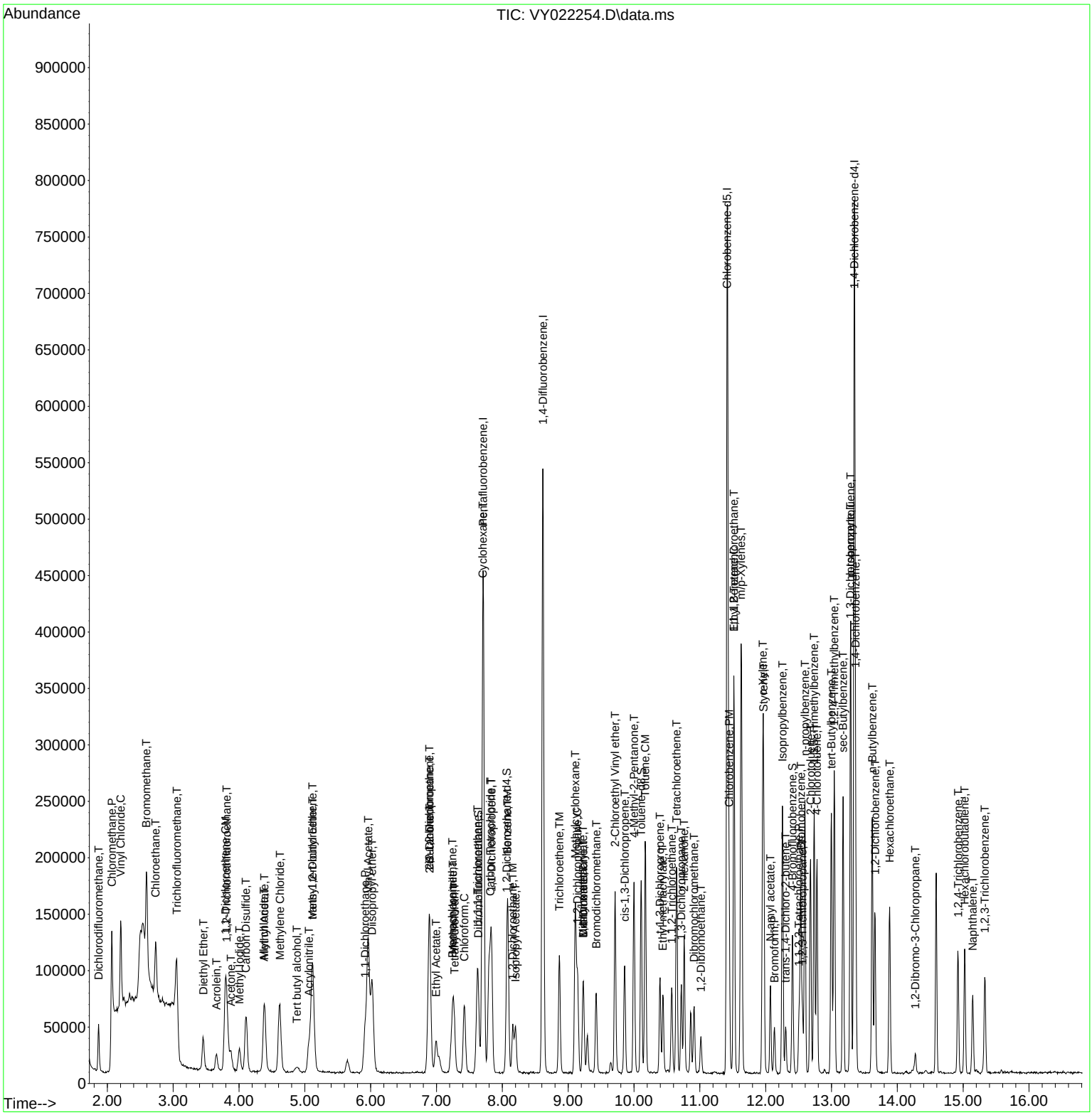

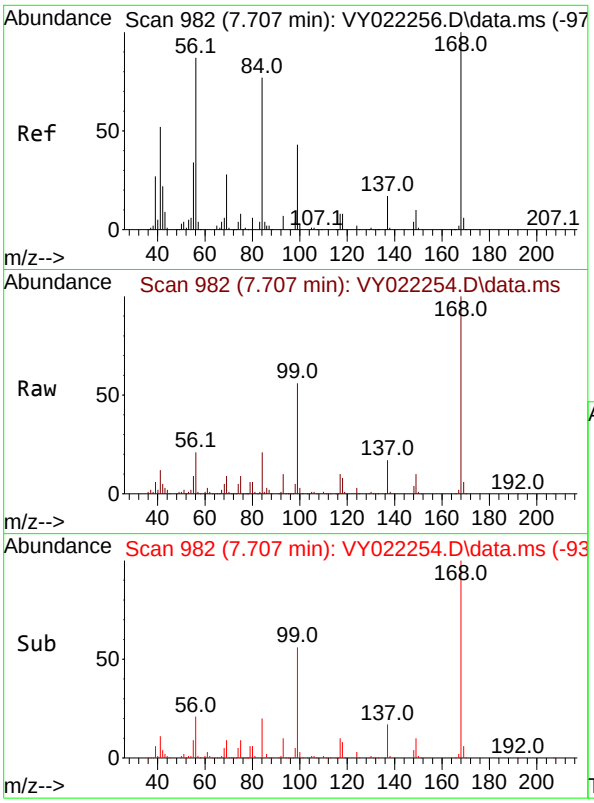

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:168 Resp: 26503

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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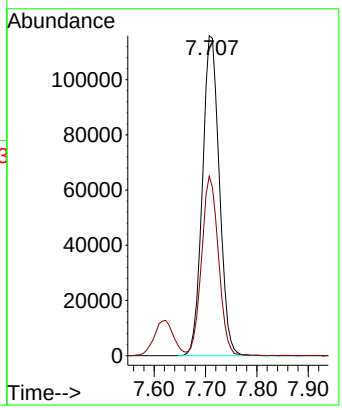
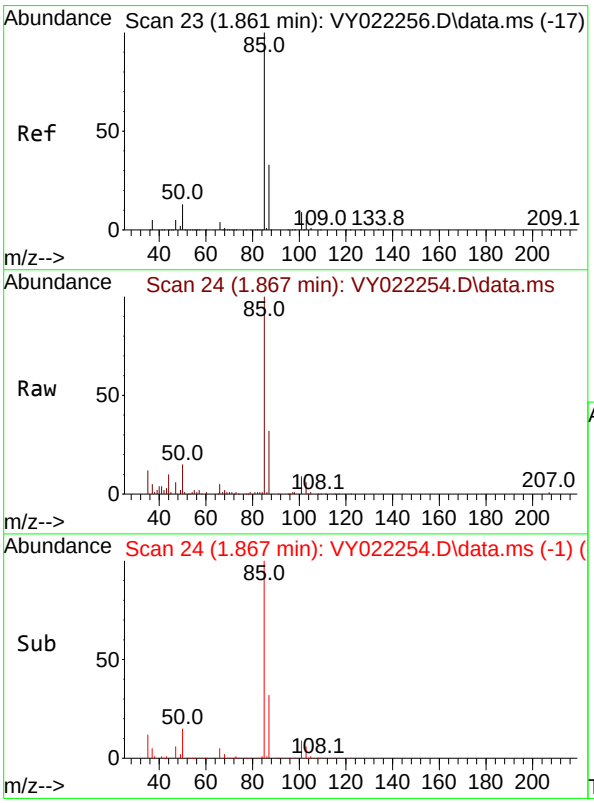
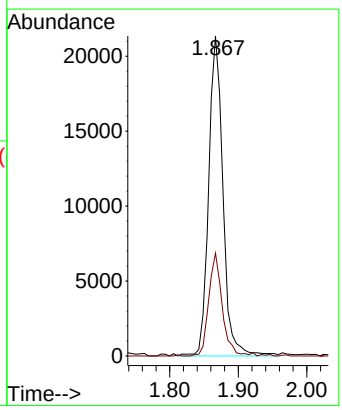


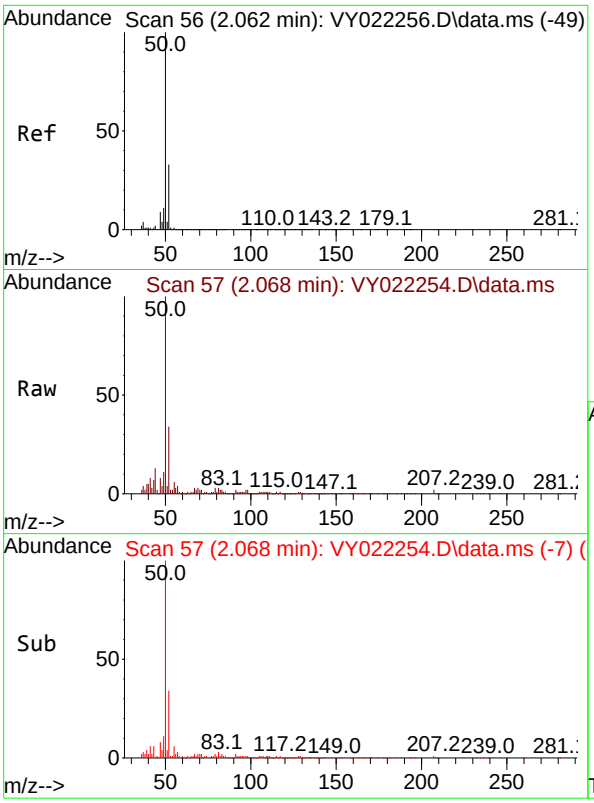


#2
Dichlorodifluoromethane
Concen: 11.245 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 85 Resp: 31097

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.5	49.5

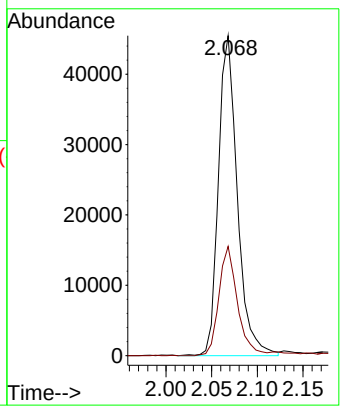




#3
Chloromethane
Concen: 11.275 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 50 Resp: 6558

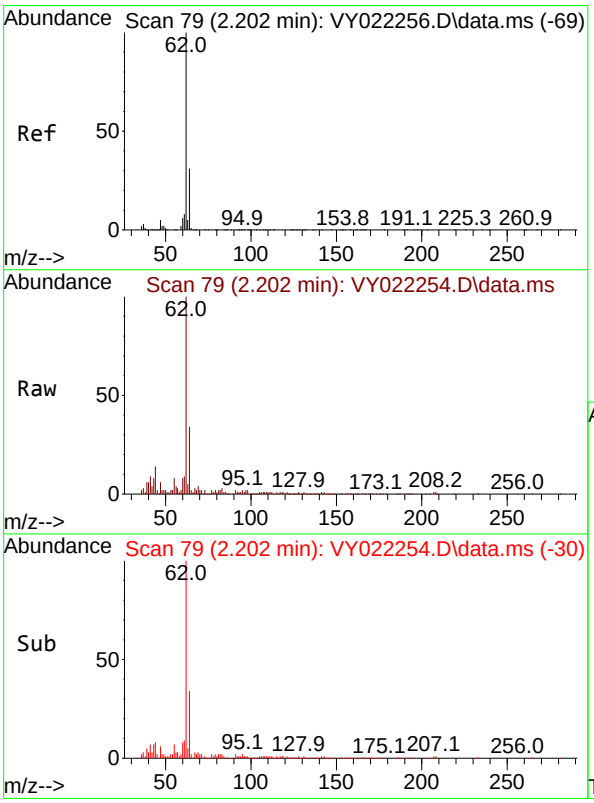
Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

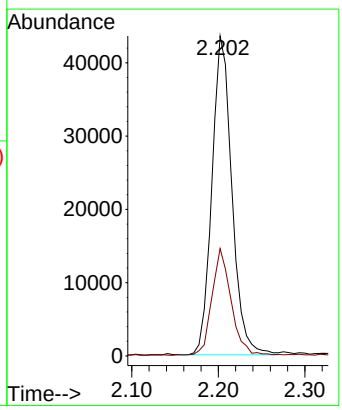
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

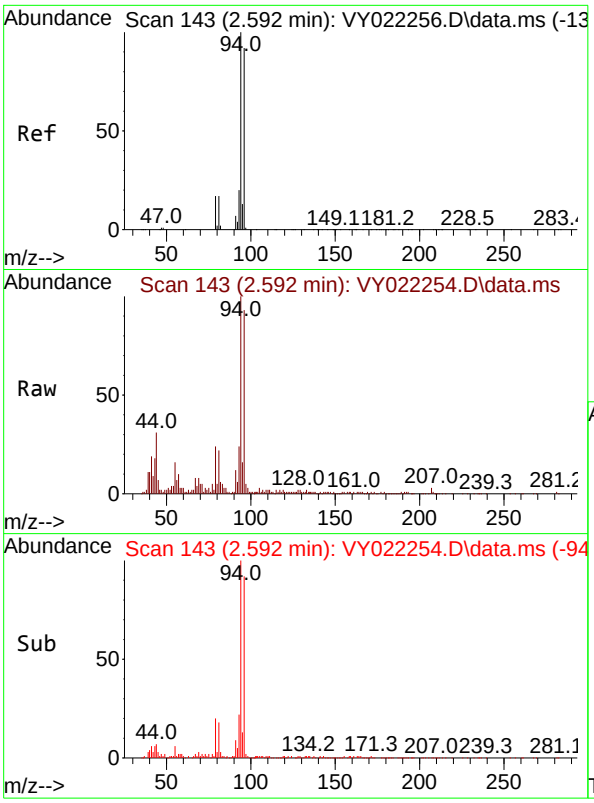


#4
Vinyl Chloride
Concen: 10.739 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 69800

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.5	36.7

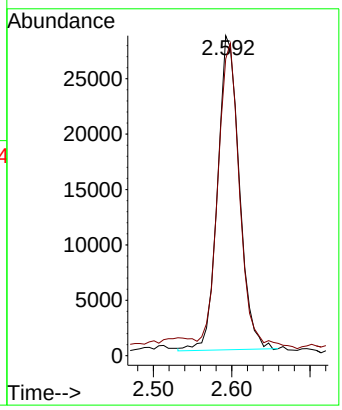




#5
Bromomethane
Concen: 10.352 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 94 Resp: 5477

Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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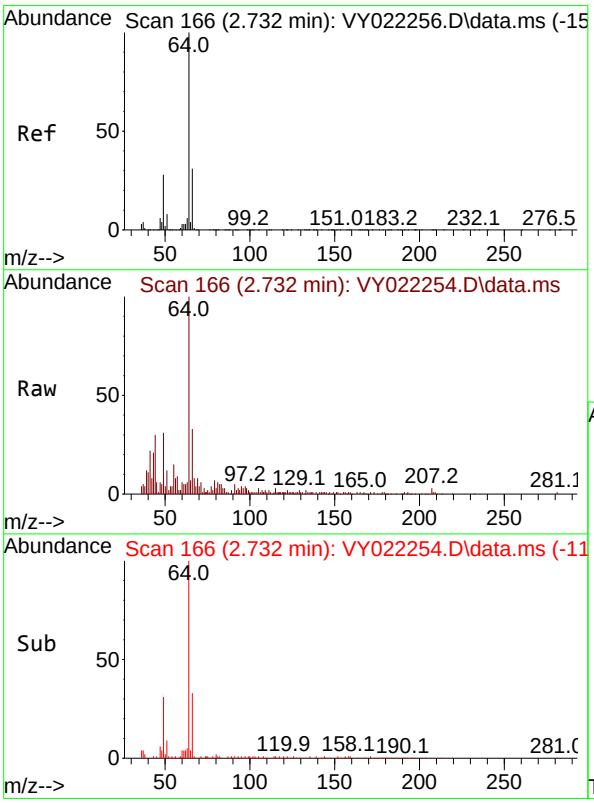
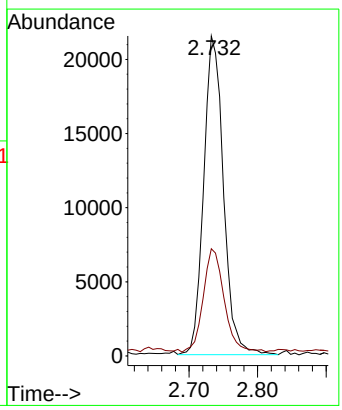
Supervised By :Semsettin Yesilyurt 05/16/2025

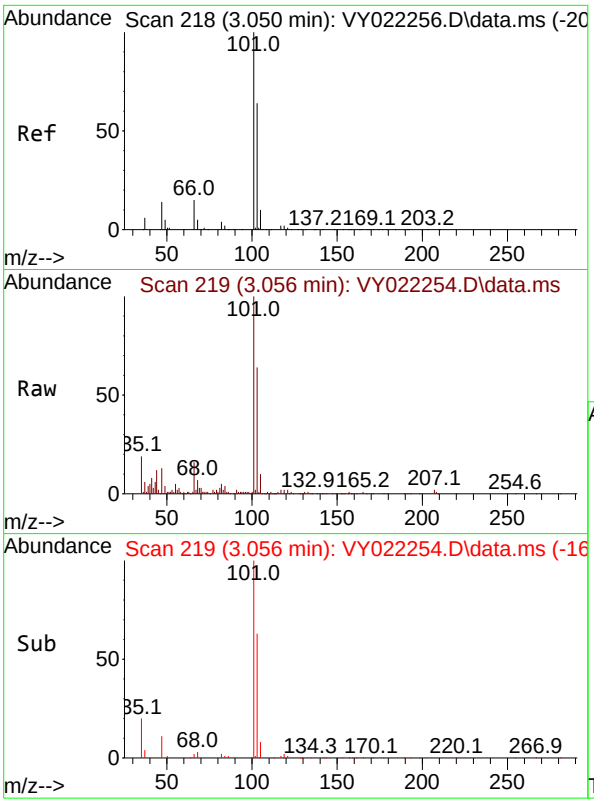


#6
Chloroethane
Concen: 10.665 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 64 Resp: 43122

Ion	Ratio	Lower	Upper
64	100		
66	31.6	24.8	37.2

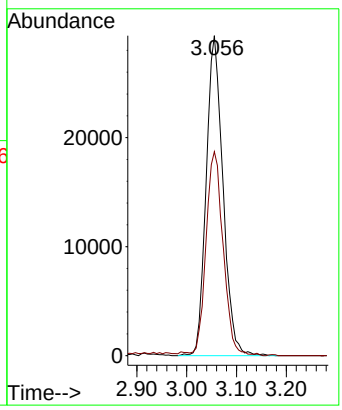




#7
Trichlorofluoromethane
Concen: 10.410 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:101 Resp: 6850

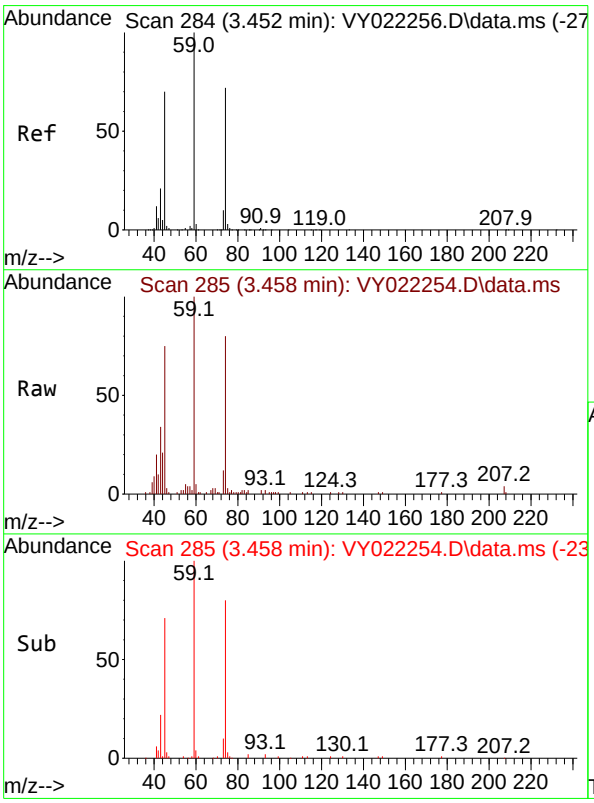
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

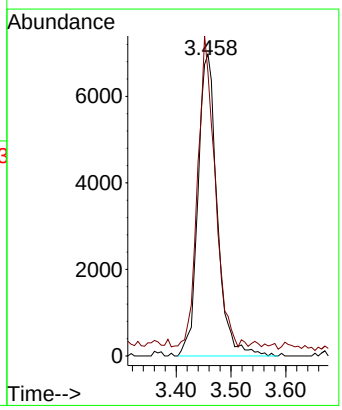
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

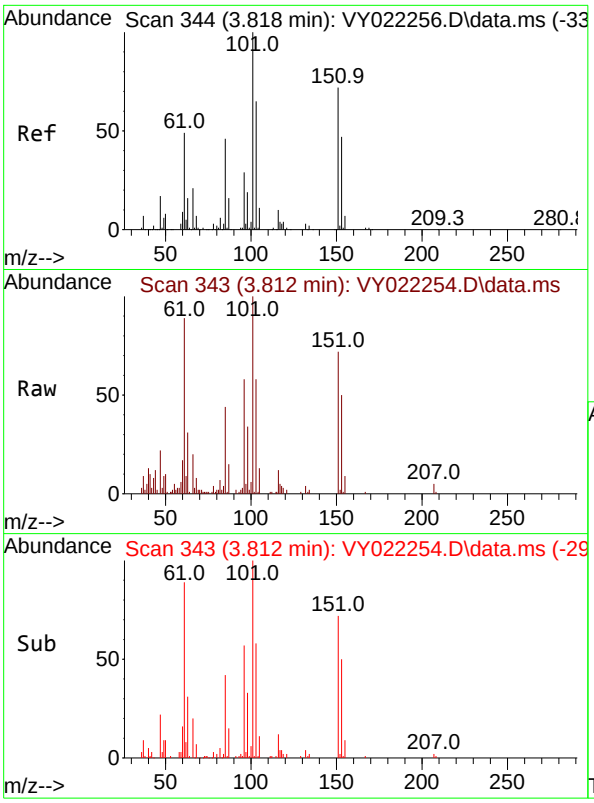


#8
Diethyl Ether
Concen: 10.730 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 74 Resp: 16945

Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.6	145.8

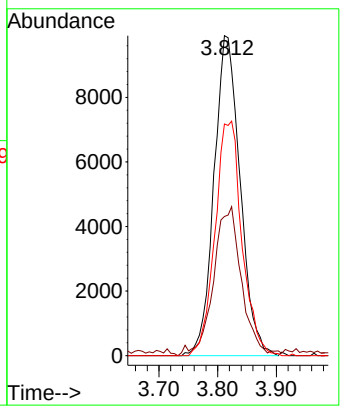




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.708 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:101 Resp: 3059

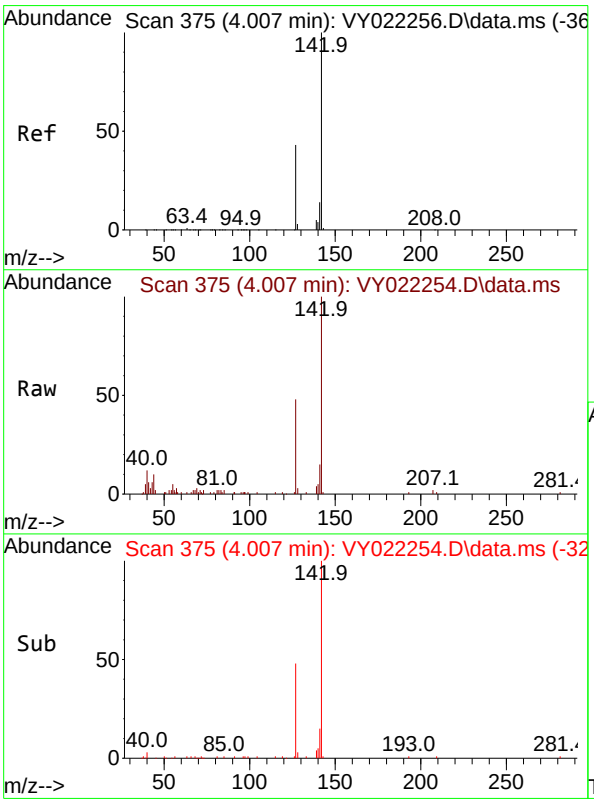
Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.6	58.0
151	75.6	59.7	89.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

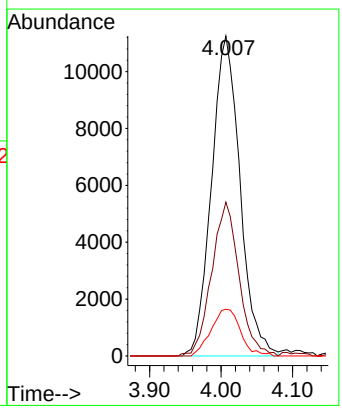
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

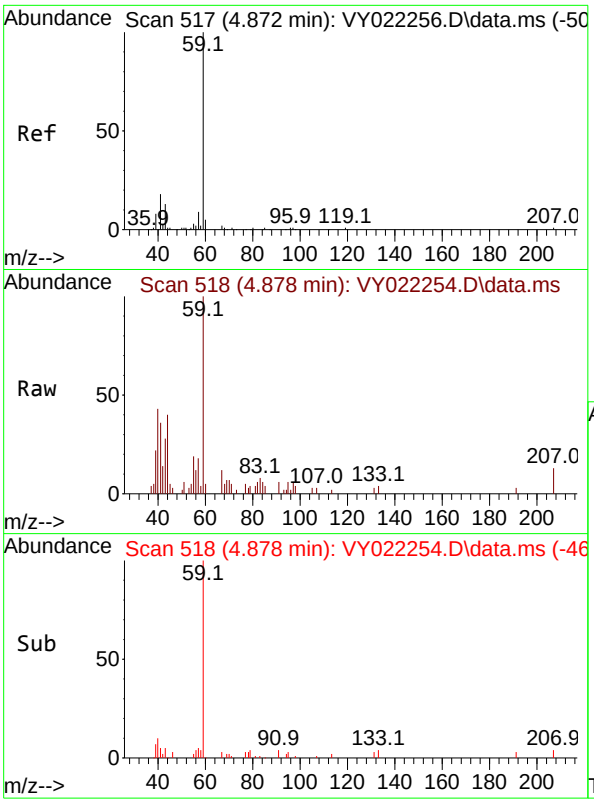


#10
Methyl Iodide
Concen: 9.402 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:142 Resp: 31088

Ion	Ratio	Lower	Upper
142	100		
127	46.2	35.7	53.5
141	15.1	11.1	16.7

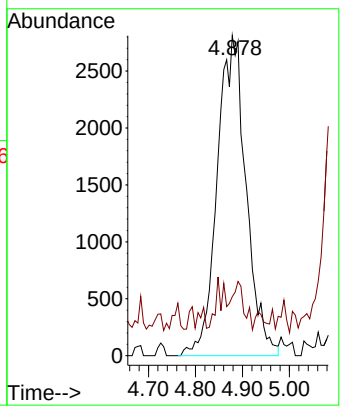




#11
Tert butyl alcohol
Concen: 54.446 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 59 Resp: 1204

Ion	Ratio	Lower	Upper
59	100		
57	5.7	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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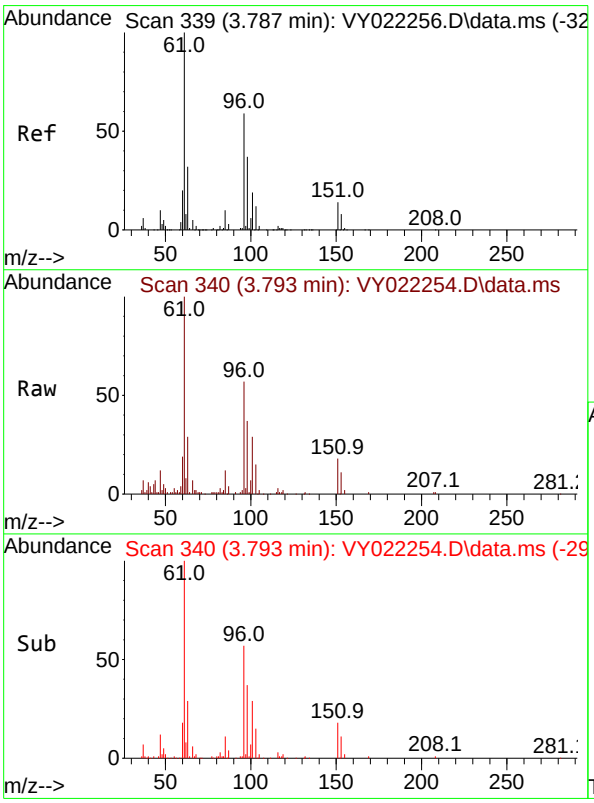
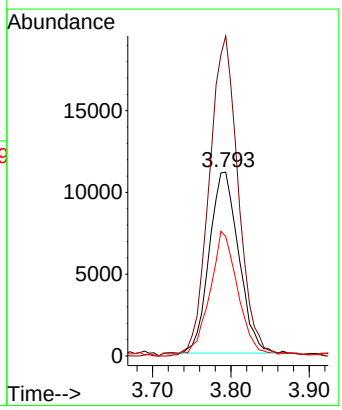
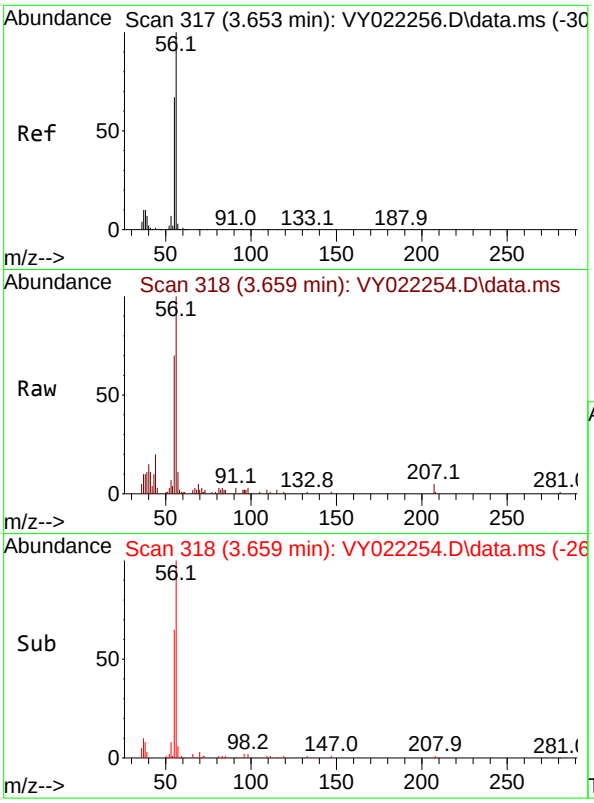


#12
1,1-Dichloroethene
Concen: 10.170 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 28831

Ion	Ratio	Lower	Upper
96	100		
61	176.2	134.9	202.3
98	65.1	49.9	74.9

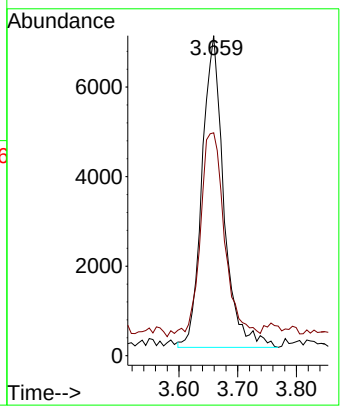




#13
Acrolein
Concen: 55.439 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 56 Resp: 1792

Ion	Ratio	Lower	Upper
56	100		
55	73.0	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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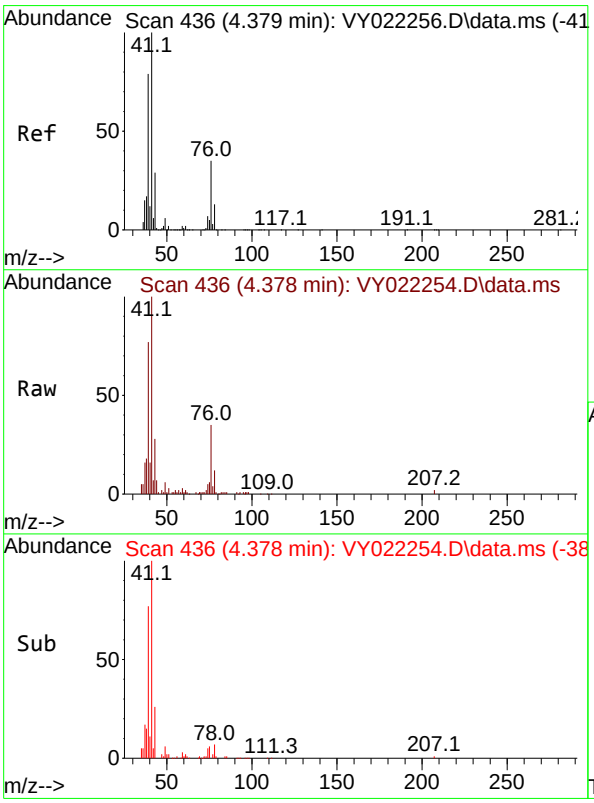
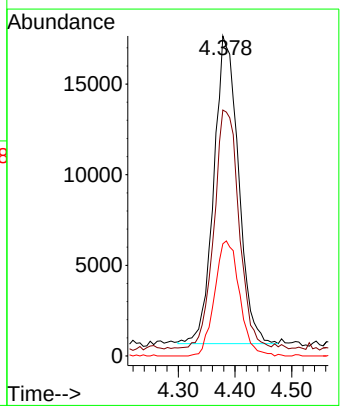
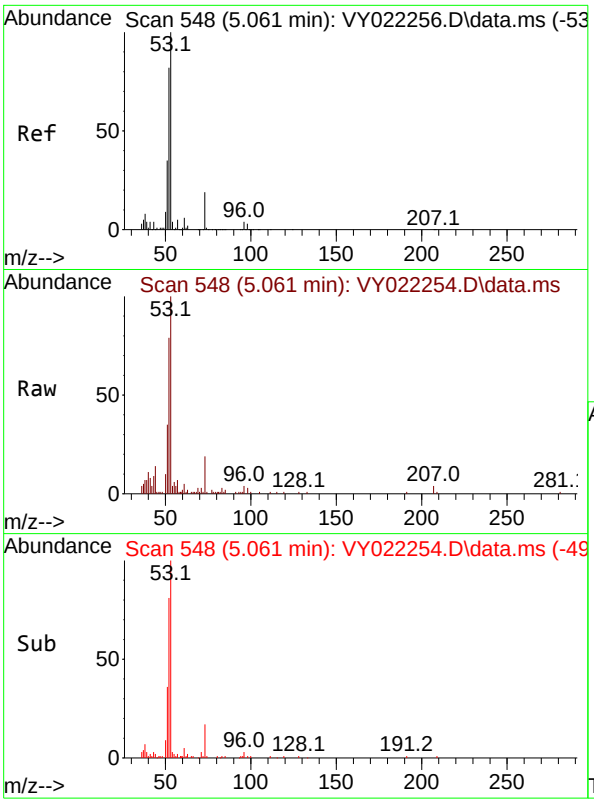


#14
Allyl chloride
Concen: 10.315 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 51275

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	37.8	29.5	44.3

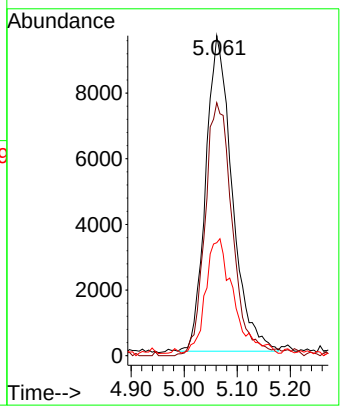




#15
Acrylonitrile
Concen: 51.139 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 53 Resp: 3327

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	38.2	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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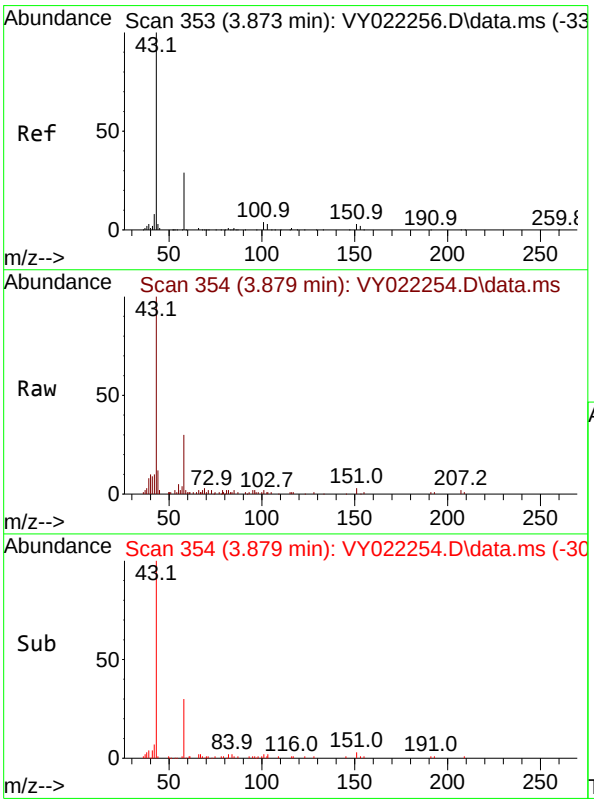
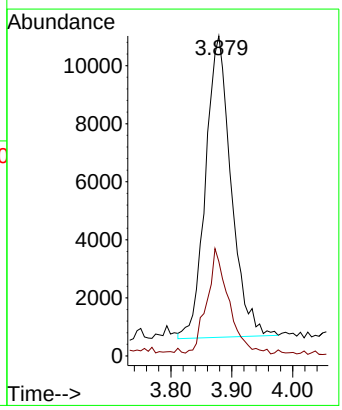
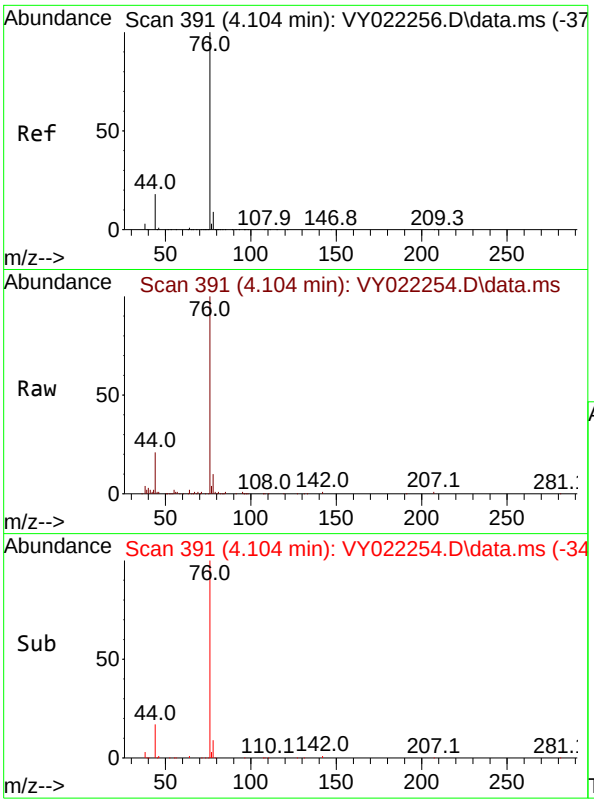


#16
Acetone
Concen: 55.657 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 30229

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





#17
Carbon Disulfide
Concen: 10.448 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 76 Resp: 9659

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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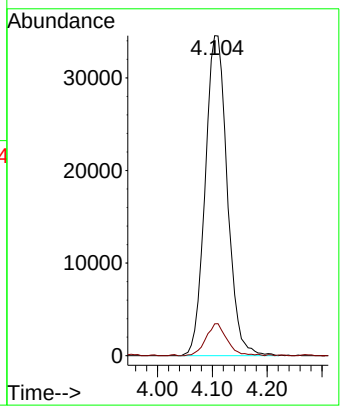
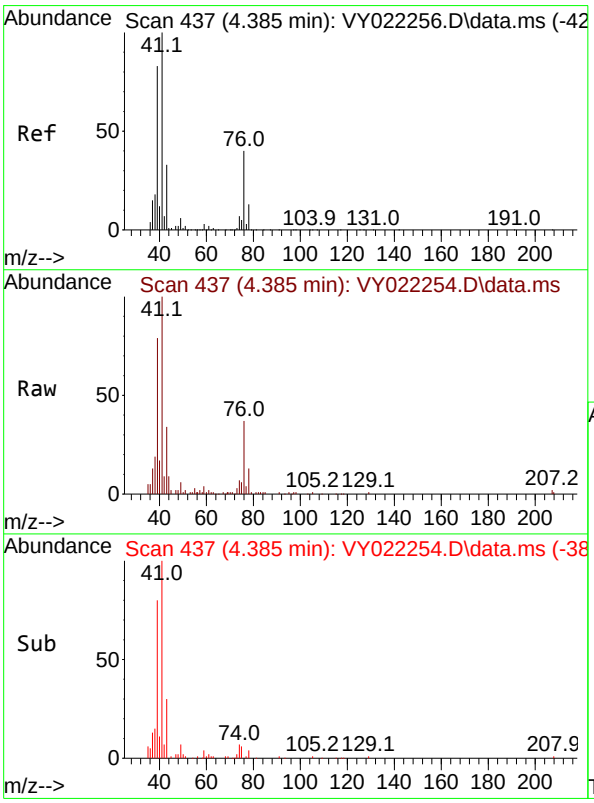
Supervised By :Semsettin Yesilyurt 05/16/2025

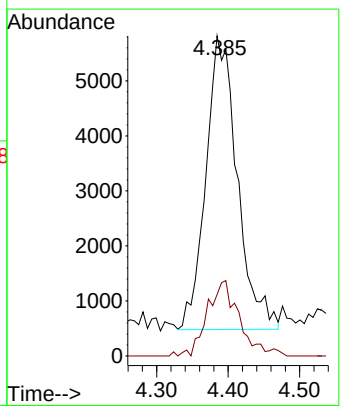


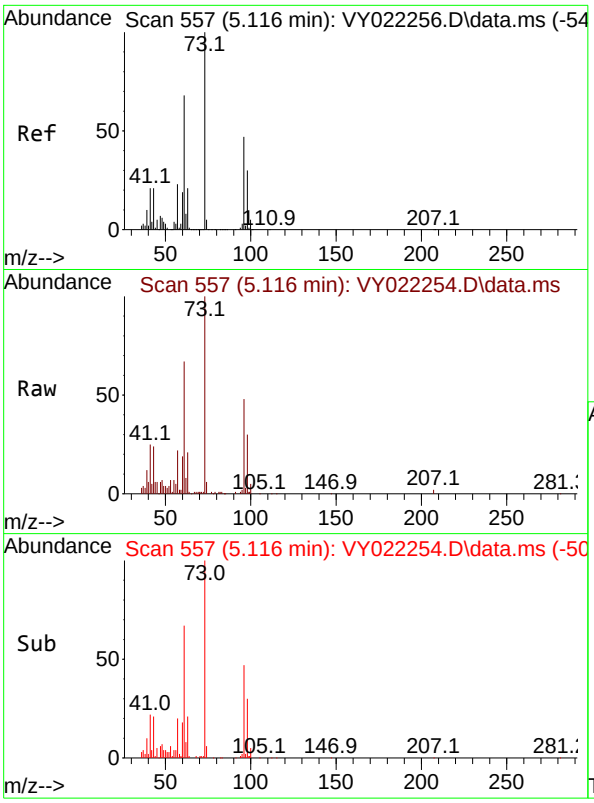


#18
Methyl Acetate
Concen: 9.886 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 16338

Ion	Ratio	Lower	Upper
43	100		
74	25.6	18.2	27.4





#19
Methyl tert-butyl Ether
Concen: 10.326 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 73 Resp: 8071

Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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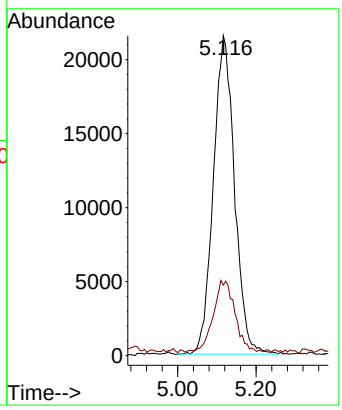
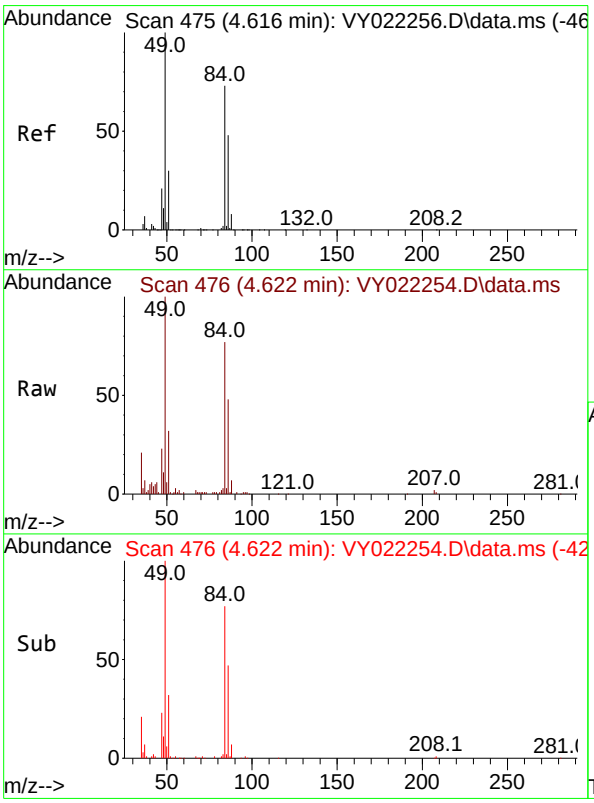
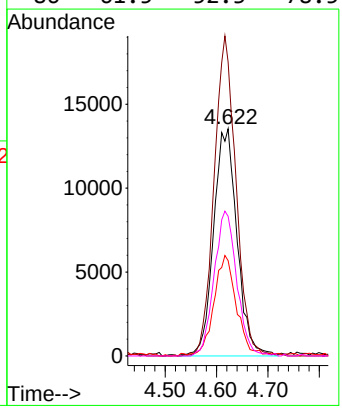


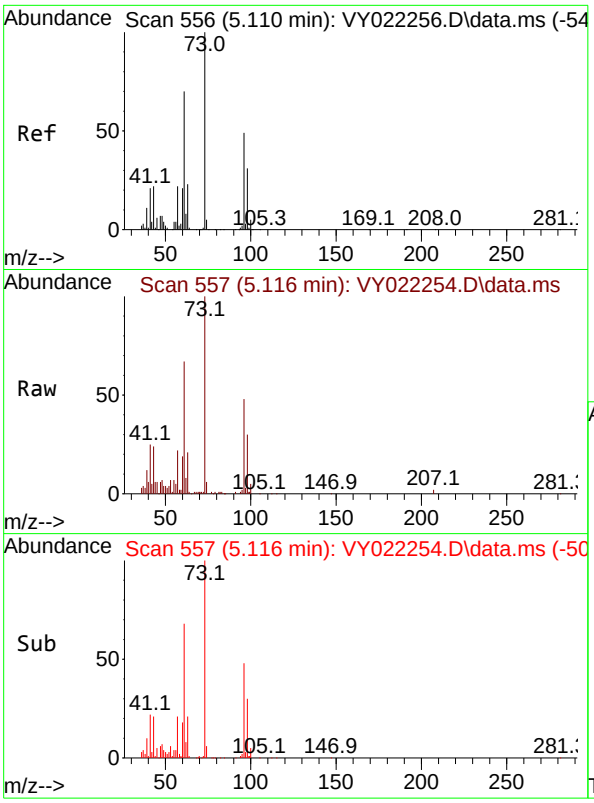


#20
Methylene Chloride
Concen: 12.250 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 84 Resp: 42991

Ion	Ratio	Lower	Upper
84	100		
49	129.4	109.6	164.4
51	42.0	32.4	48.6
86	61.5	52.3	78.5

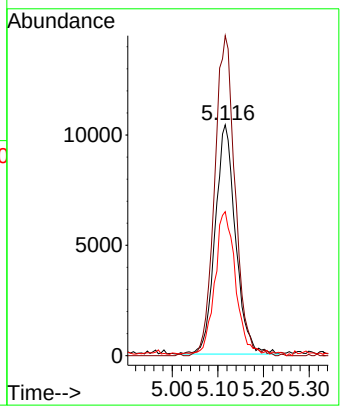




#21
trans-1,2-Dichloroethene
Concen: 10.309 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 3225

Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.4	170.0
98	62.0	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
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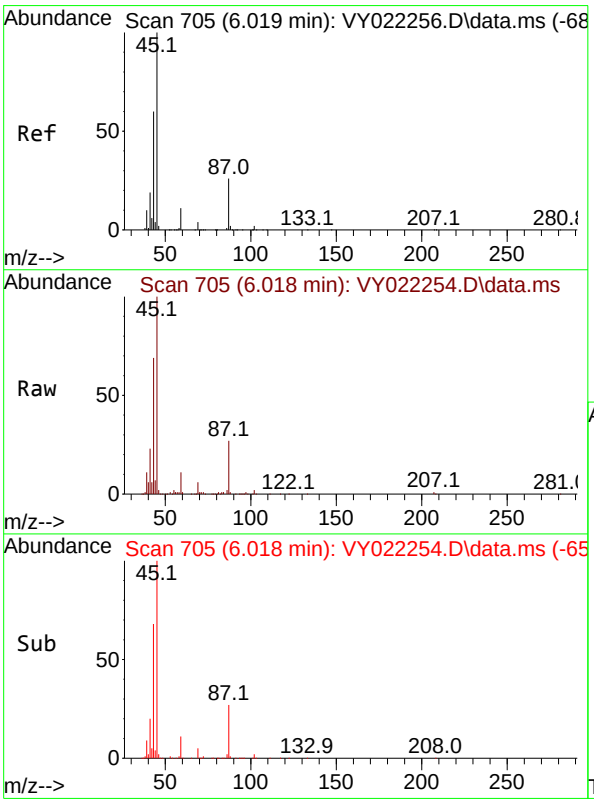
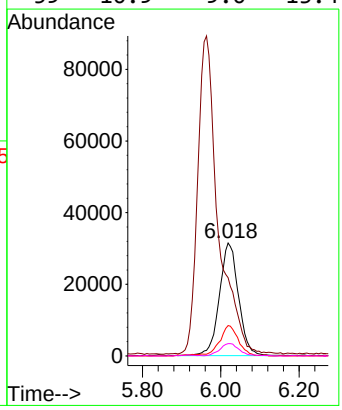
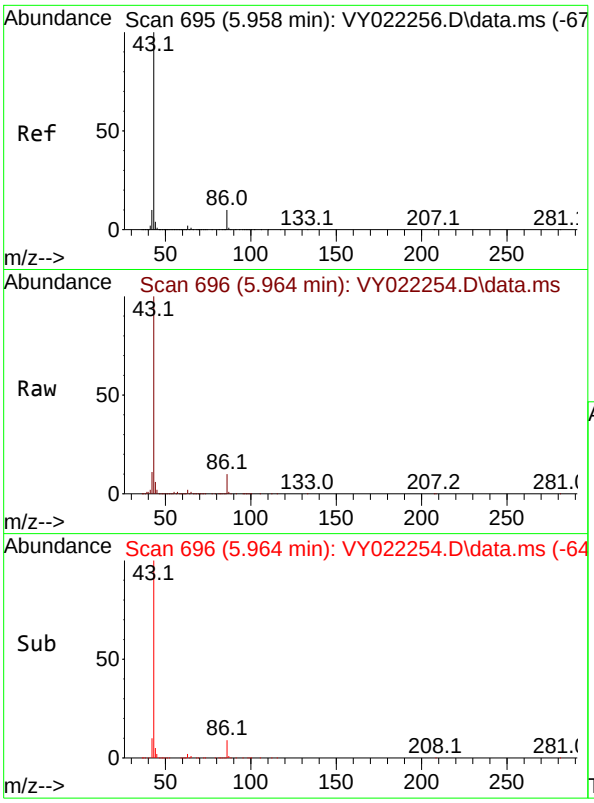


#22
Diisopropyl ether
Concen: 10.145 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 45 Resp: 106493

Ion	Ratio	Lower	Upper
45	100		
43	67.7	48.2	72.2
87	26.8	21.4	32.0
59	10.9	9.0	13.4

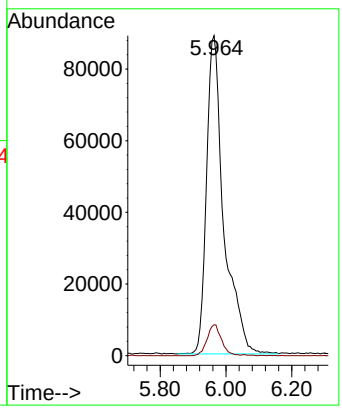




#23
Vinyl Acetate
Concen: 51.192 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 32465

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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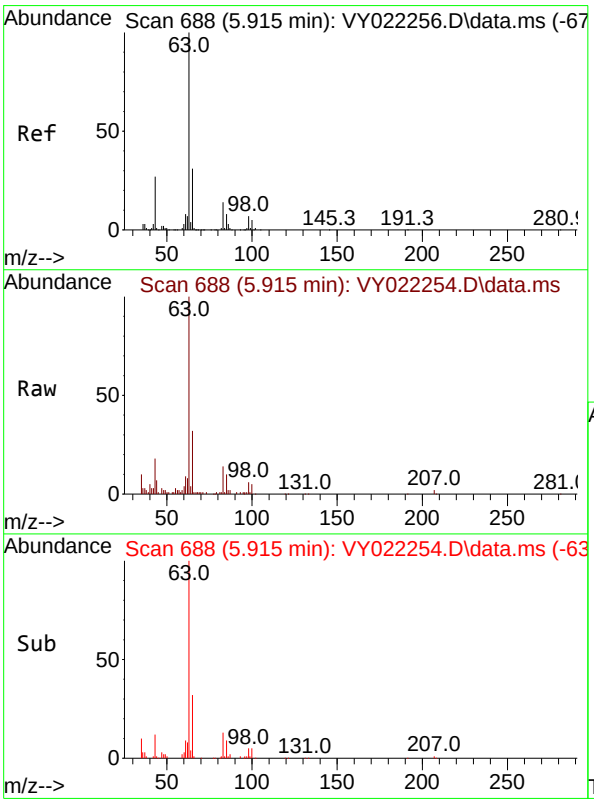
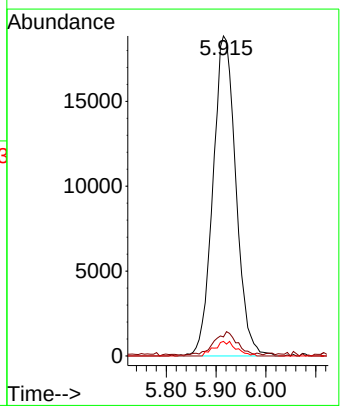
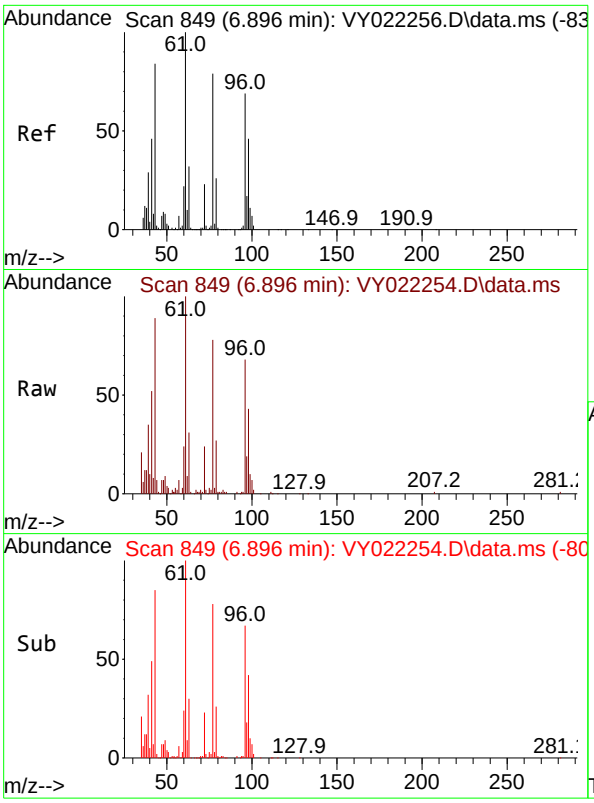


#24
1,1-Dichloroethane
Concen: 10.265 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 60198

Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.5	10.5
100	4.6	2.4	7.2





#25
2-Butanone
Concen: 52.859 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 4802

Ion	Ratio	Lower	Upper
43	100		
72	26.7	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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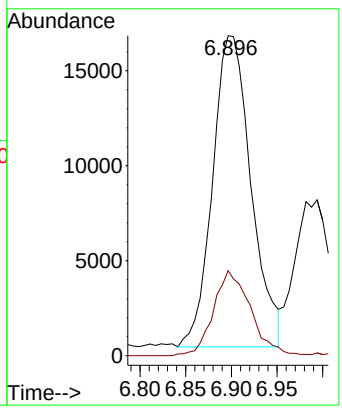
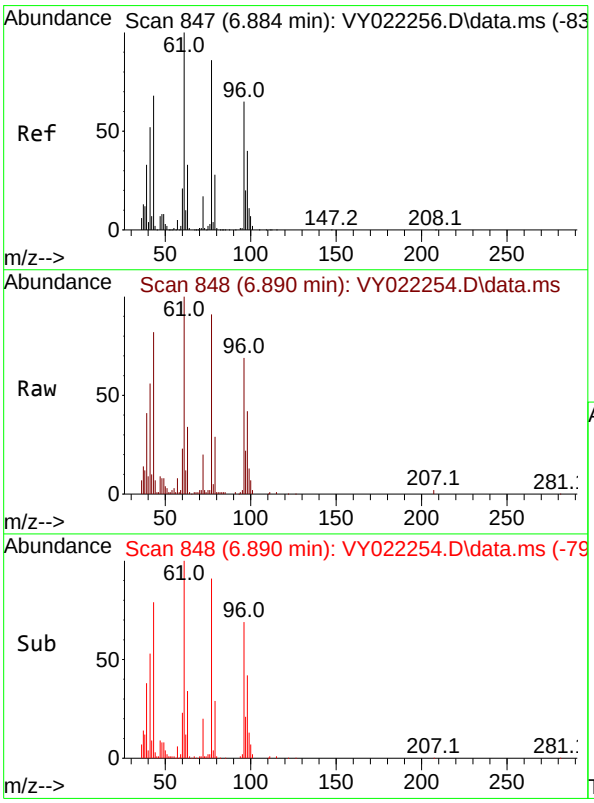
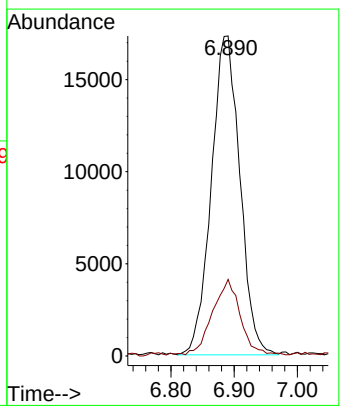


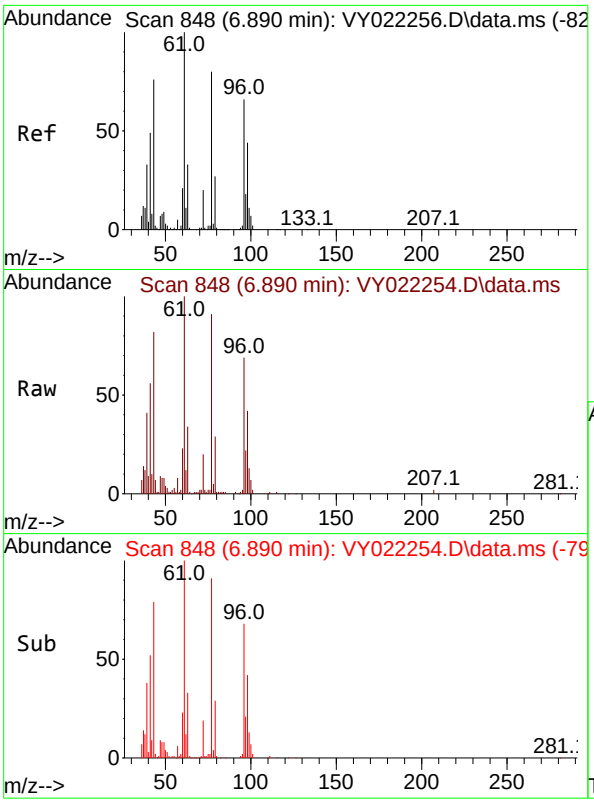


#26
2,2-Dichloropropane
Concen: 10.403 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 77 Resp: 54264

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.2	33.5

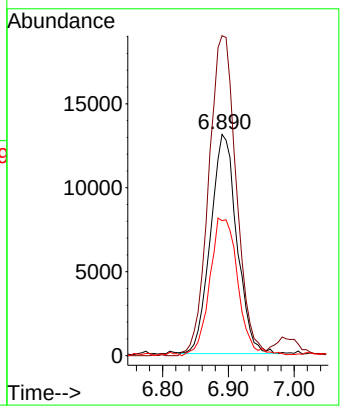




#27
cis-1,2-Dichloroethene
Concen: 10.081 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 3640

Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	302.6
98	67.2	0.0	128.8



Instrument :
MSVOA_Y
ClientSampleId :
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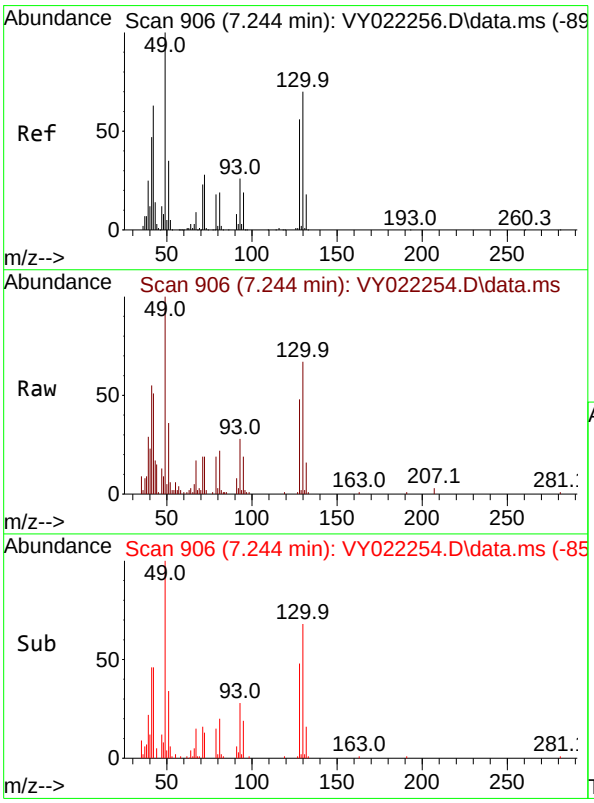
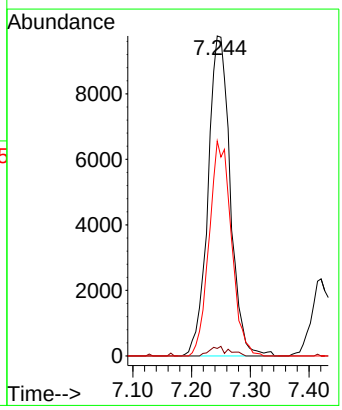
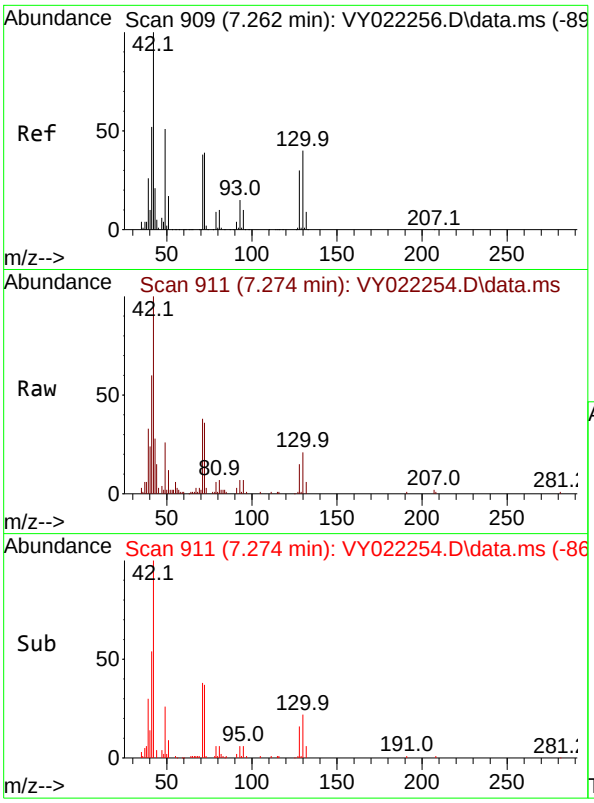


#28
Bromochloromethane
Concen: 10.259 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 49 Resp: 25664

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.6
130	67.2	54.7	82.1

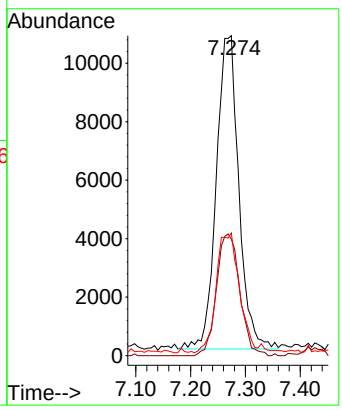




#29
Tetrahydrofuran
Concen: 52.498 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 42 Resp: 3068

Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.8	50.6
71	39.0	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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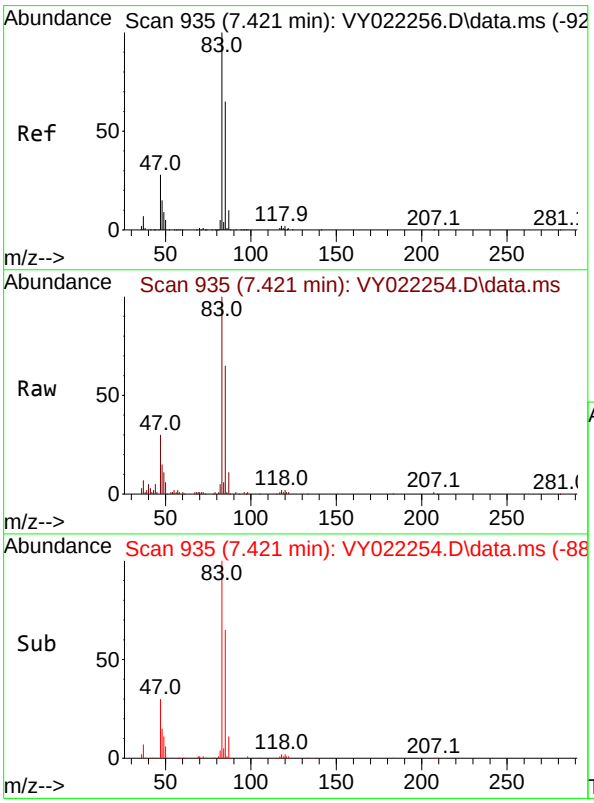
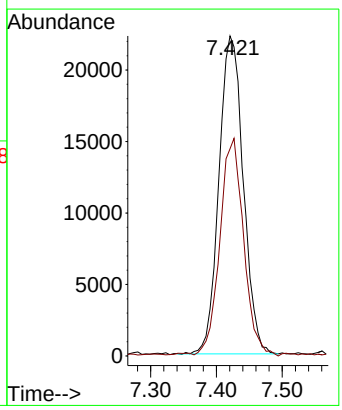
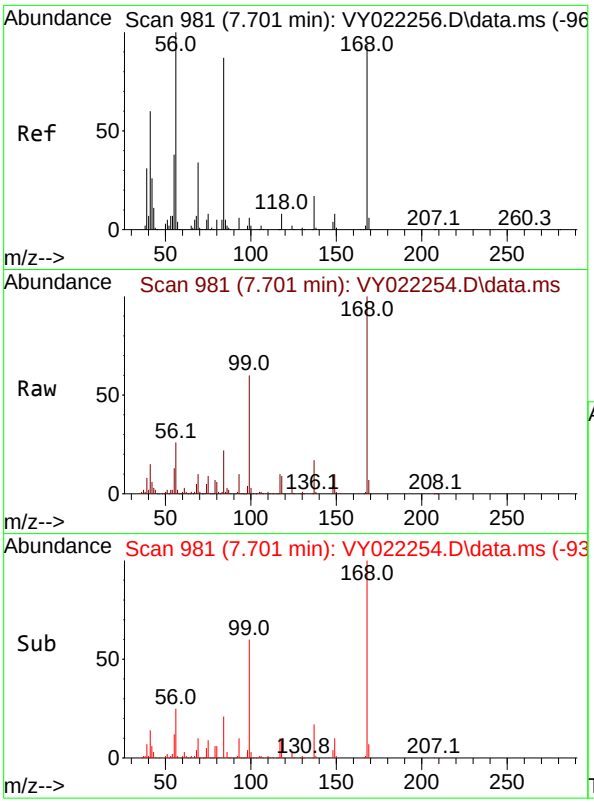


#30
Chloroform
Concen: 10.163 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 57172

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





#31
Cyclohexane
Concen: 10.778 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 56 Resp: 6315

Ion	Ratio	Lower	Upper
56	100		
69	39.9	27.4	41.2
84	84.7	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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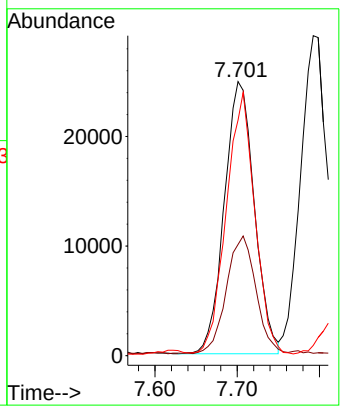
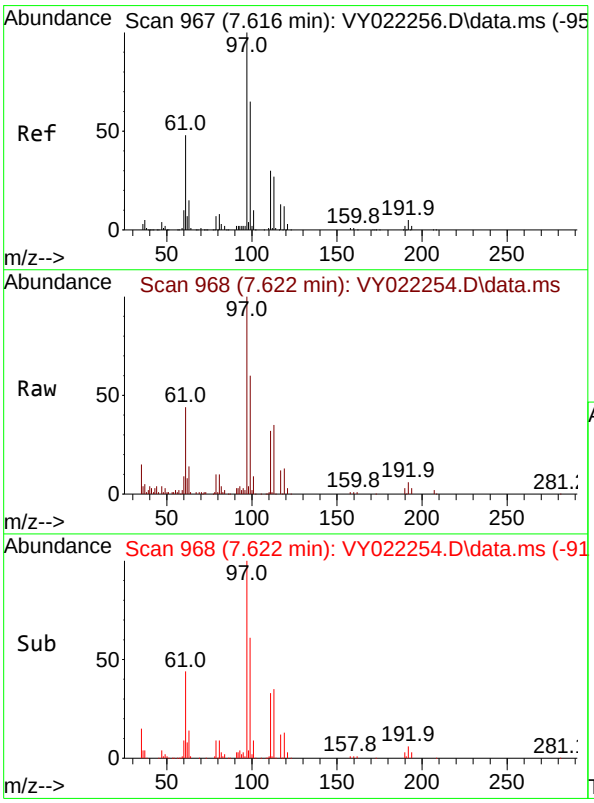
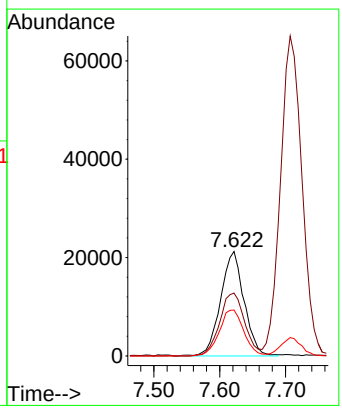


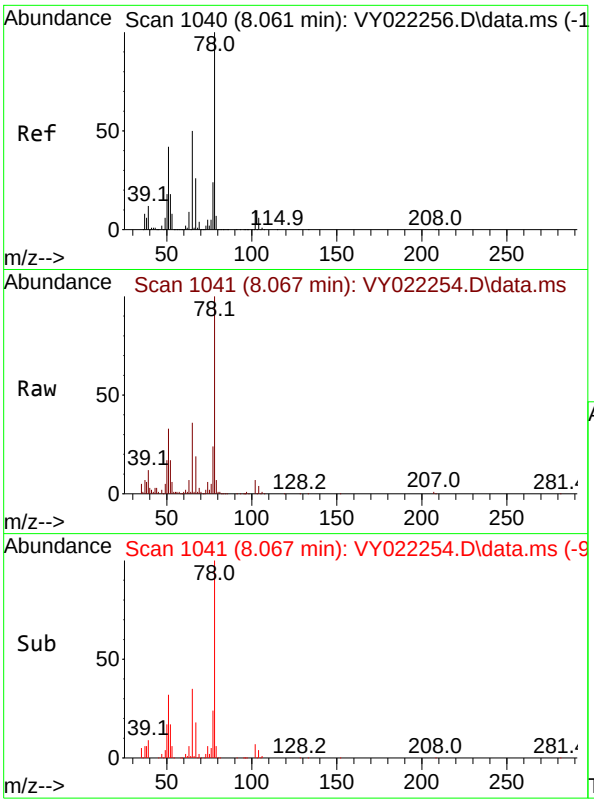


#32
1,1,1-Trichloroethane
Concen: 10.242 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 97 Resp: 52856

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	46.0	38.1	57.1

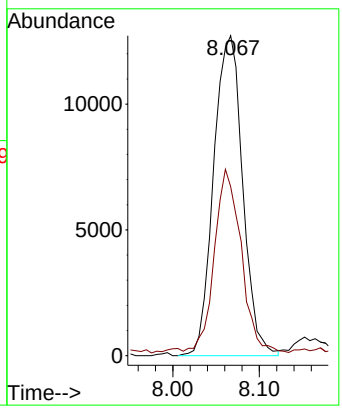




#33
1,2-Dichloroethane-d4
Concen: 10.222 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 65 Resp: 2960

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.6



Instrument :
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ClientSampleId :
VSTDICC010

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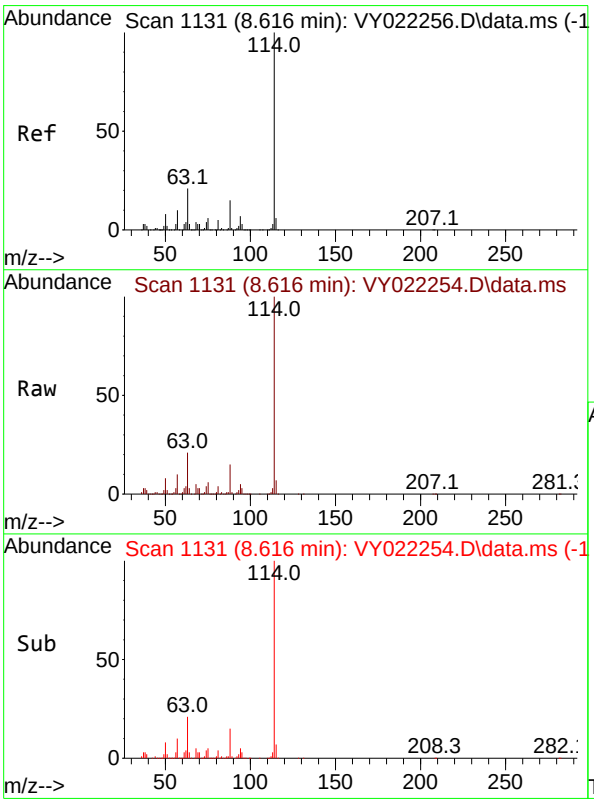
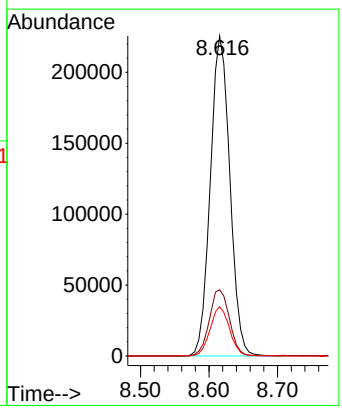
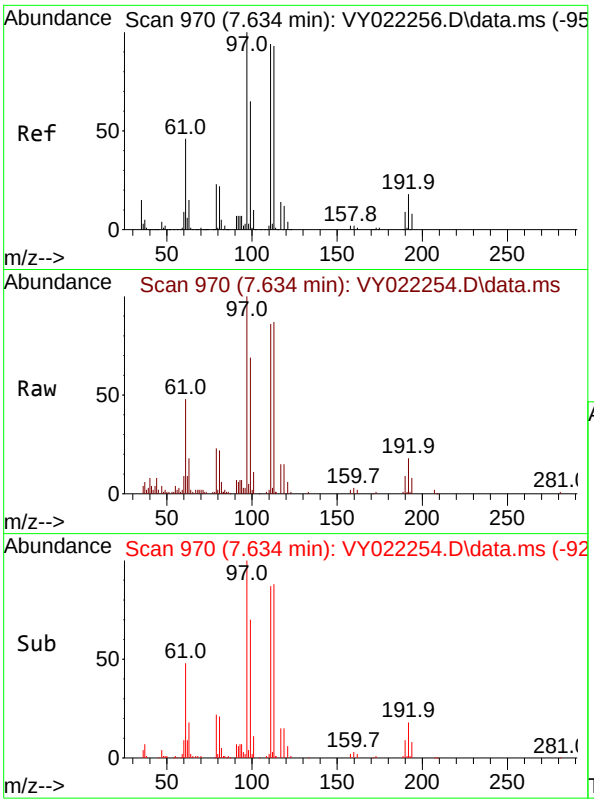


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:114 Resp: 446109

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	15.4	0.0	29.4

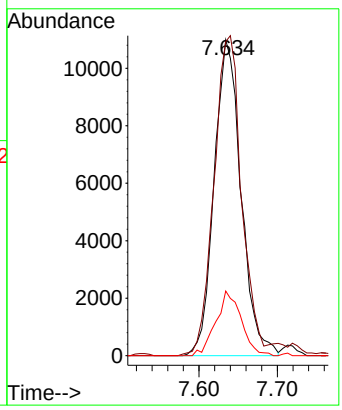




#35
Dibromofluoromethane
Concen: 9.856 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:113 Resp: 2624

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	19.3	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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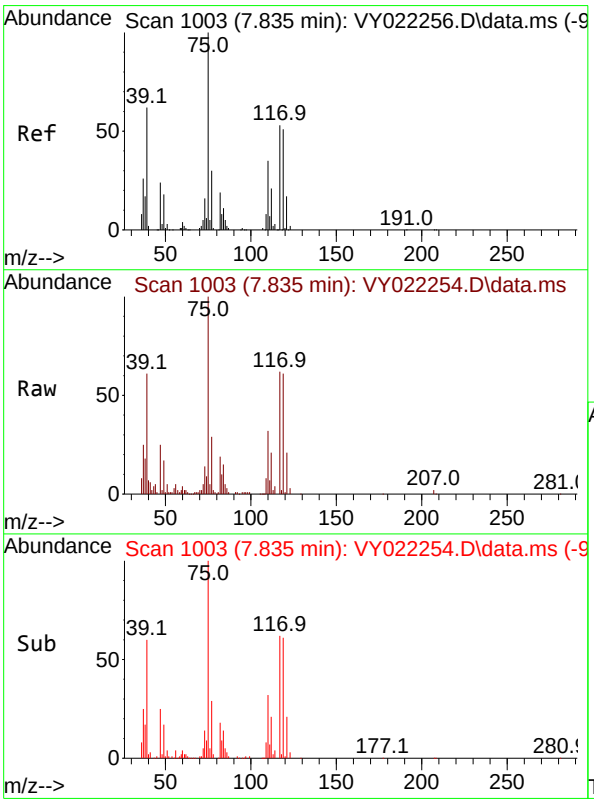
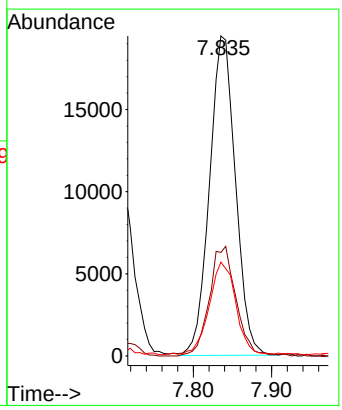
Supervised By :Semsettin Yesilyurt 05/16/2025

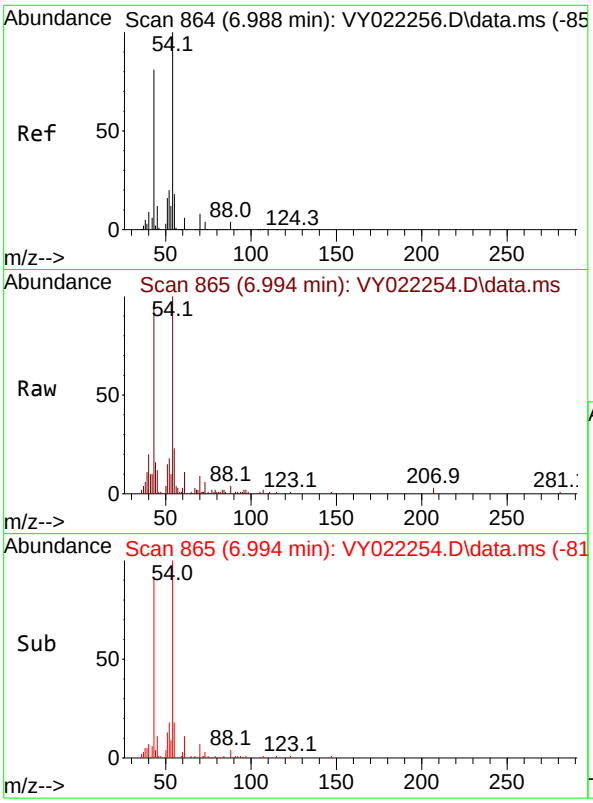


#36
1,1-Dichloropropene
Concen: 10.219 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 44817

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	29.8	24.6	37.0





#37
Ethyl Acetate
Concen: 9.774 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 2062

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	10.6	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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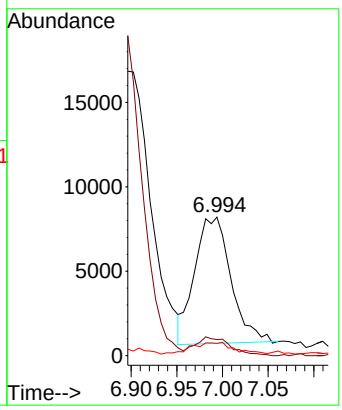
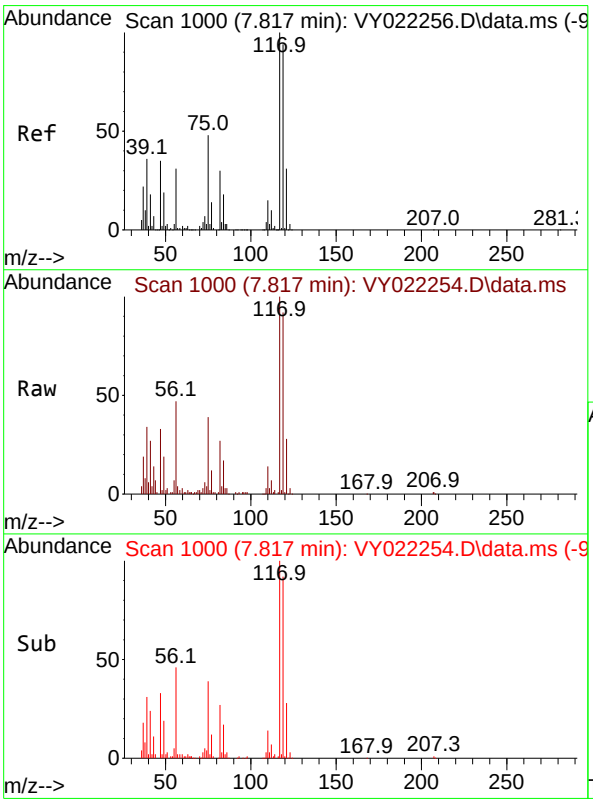
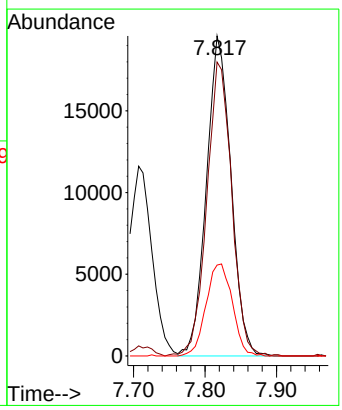


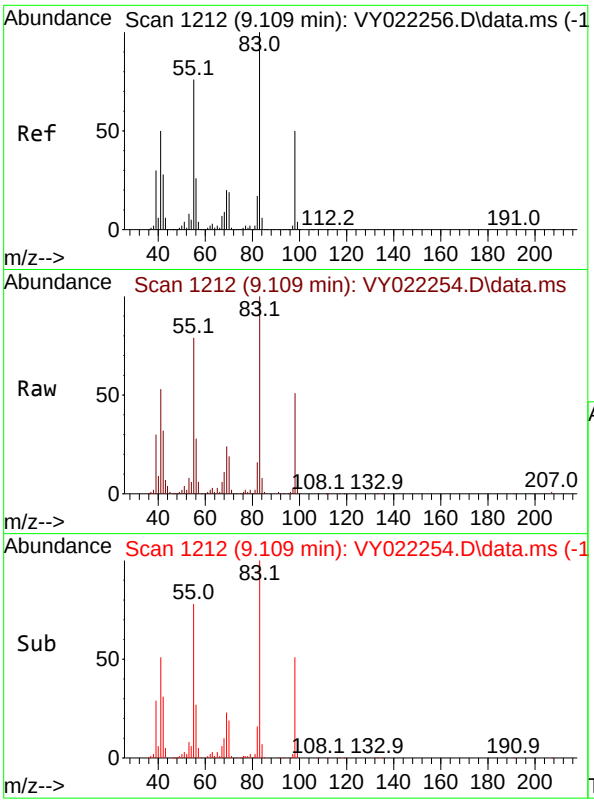


#38
Carbon Tetrachloride
Concen: 10.303 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 46772

Ion	Ratio	Lower	Upper
117	100		
119	91.4	75.3	112.9
121	28.4	24.7	37.1

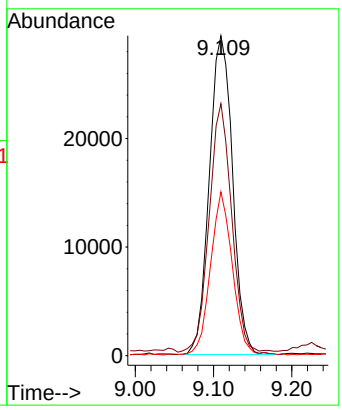




#39
Methylcyclohexane
Concen: 10.266 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 6048

Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.6	90.8
98	51.1	40.0	60.0



Instrument :
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ClientSampleId :
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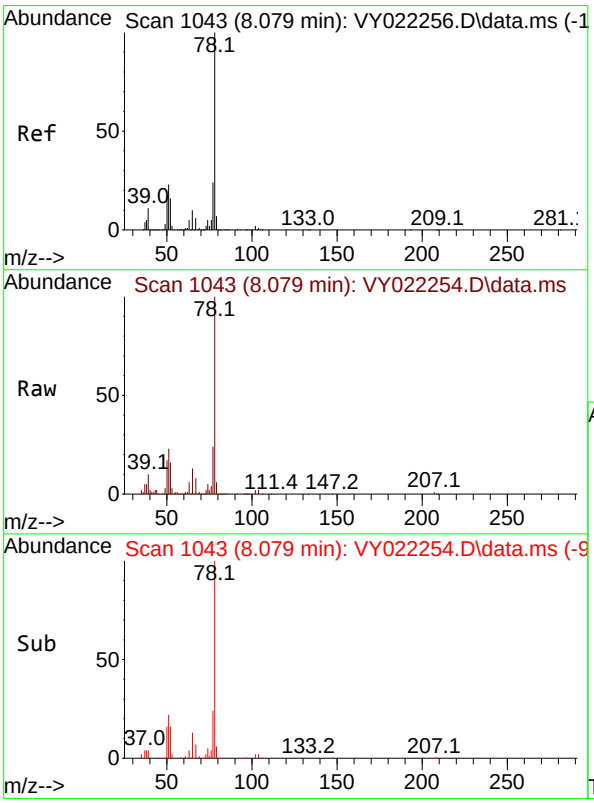
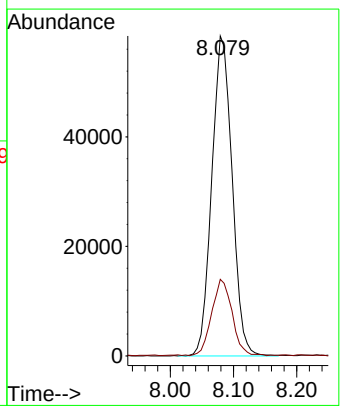
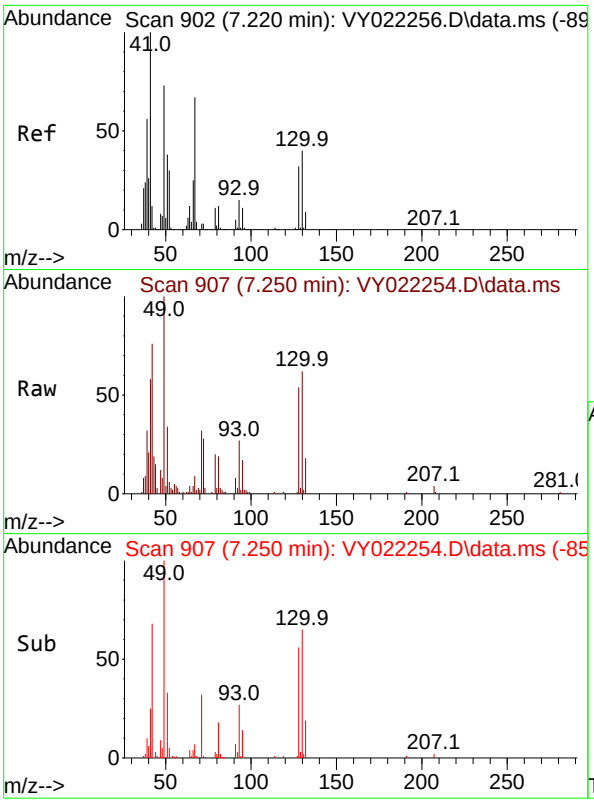


#40
Benzene
Concen: 10.032 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 78 Resp: 130423

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3

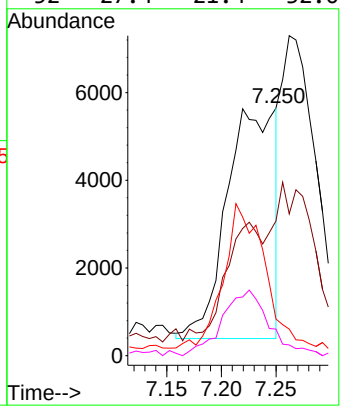




#41
Methacrylonitrile
Concen: 10.510 ug/l m
RT: 7.250 min Scan# 9(
Delta R.T. 0.030 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 1622

Ion	Ratio	Lower	Upper
41	100		
39	38.5	39.1	58.7
67	54.4	47.1	70.7
52	27.4	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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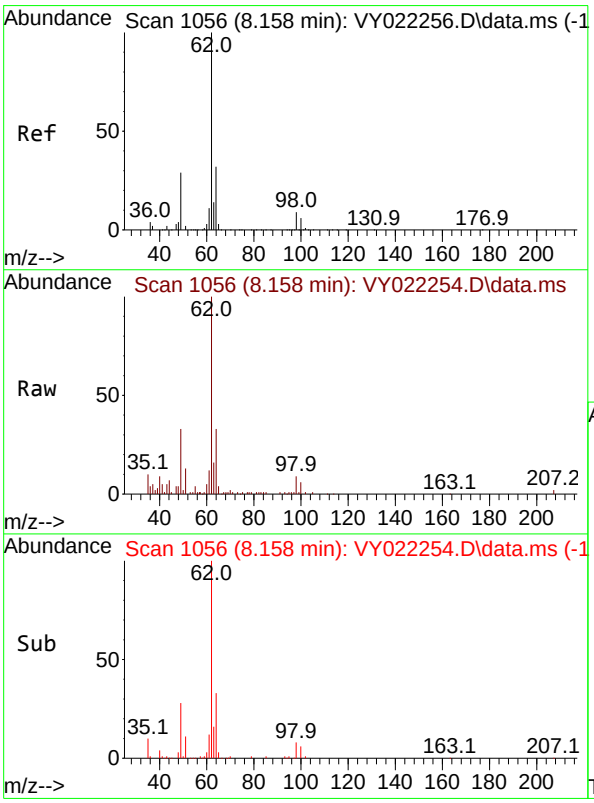
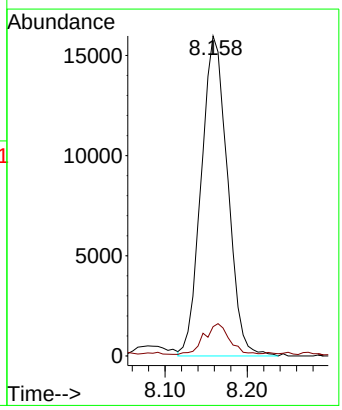
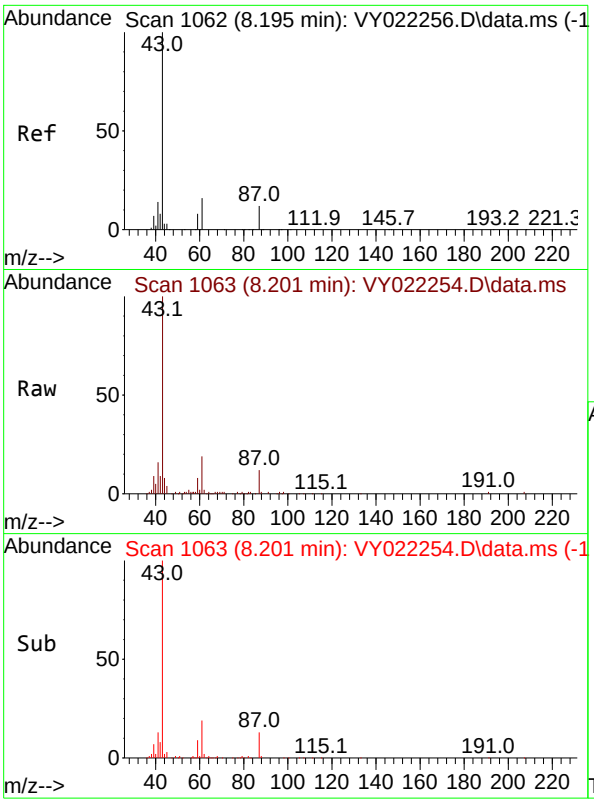


#42
1,2-Dichloroethane
Concen: 10.115 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 35565

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

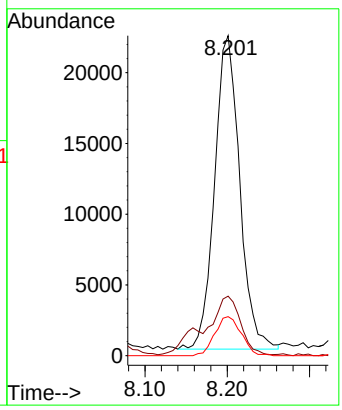




#43
Isopropyl Acetate
Concen: 10.217 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 4702

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	13.1	9.7	14.5



Instrument :
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ClientSampleId :
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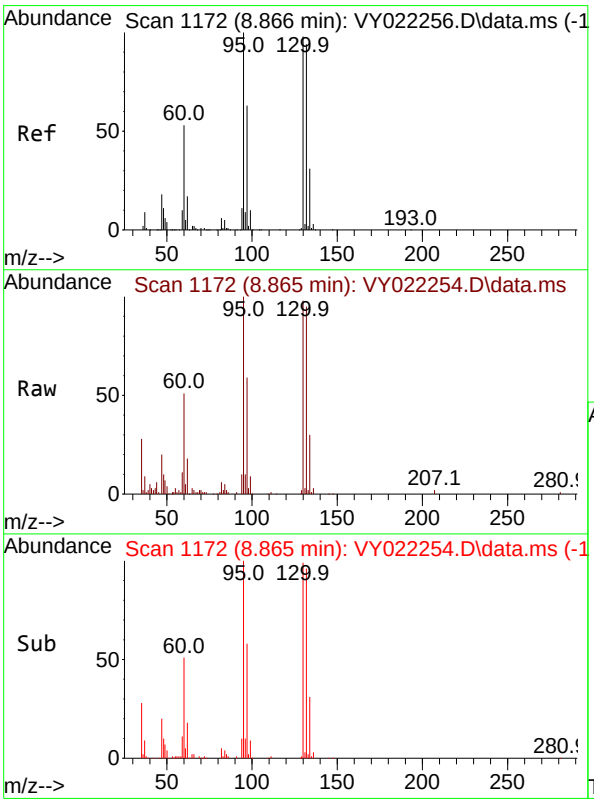
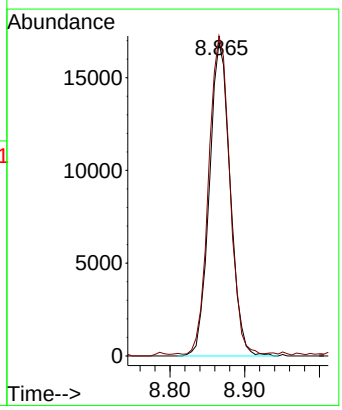
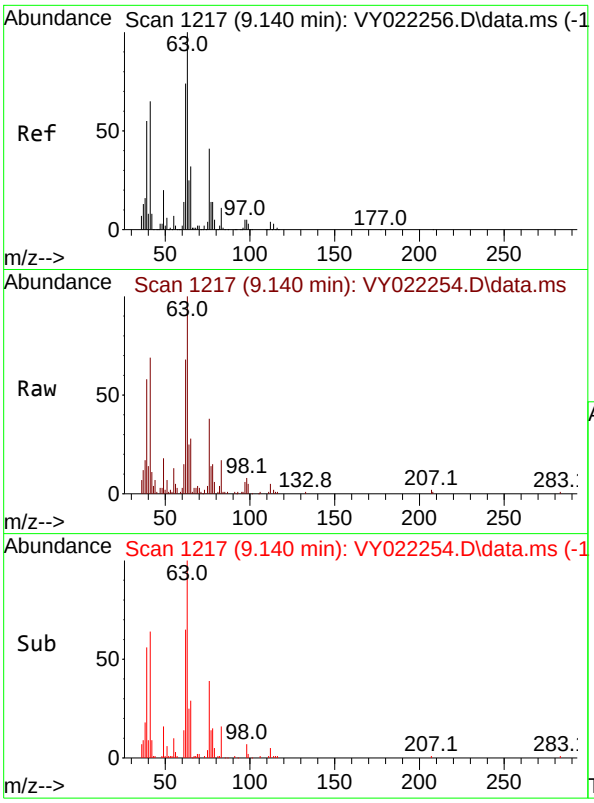


#44
Trichloroethene
Concen: 10.101 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:130 Resp: 32655

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	204.8

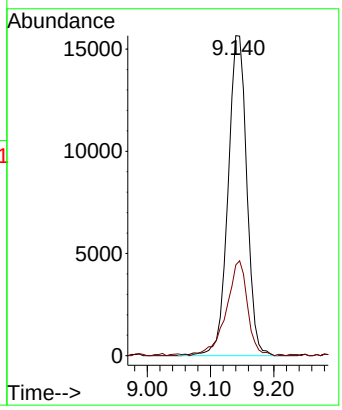




#45
1,2-Dichloropropane
Concen: 10.264 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 3217

Ion	Ratio	Lower	Upper
63	100		
65	28.0	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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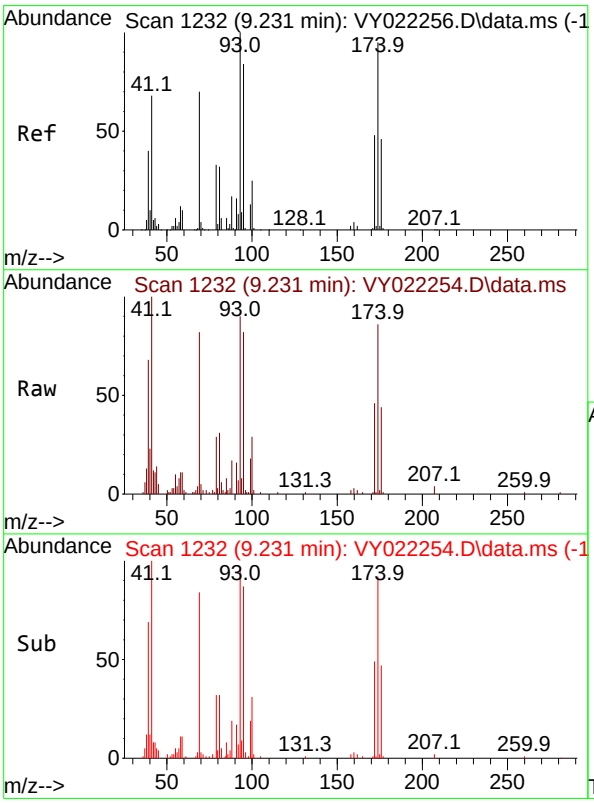
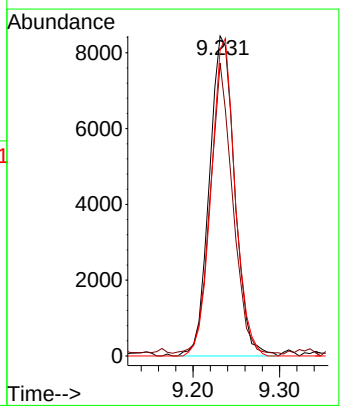
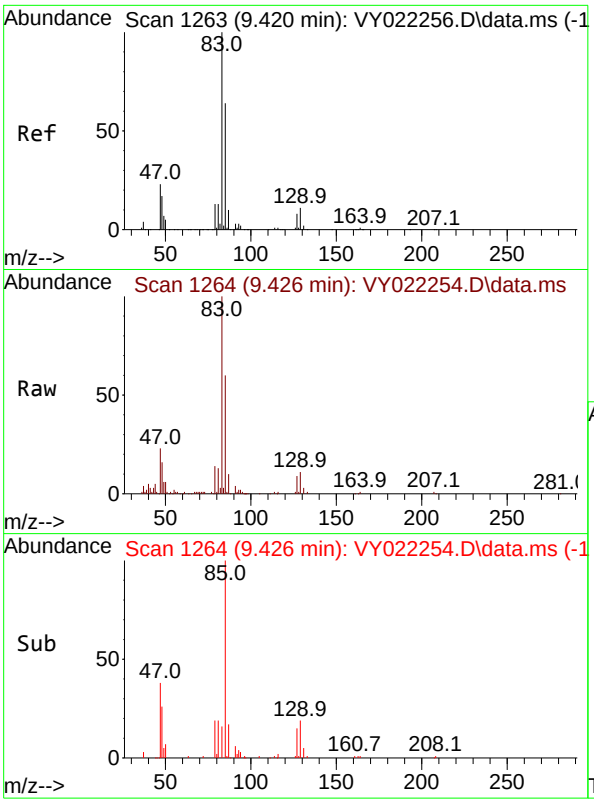


#46
Dibromomethane
Concen: 10.135 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 93 Resp: 17134

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.2	97.8
174	93.7	74.3	111.5

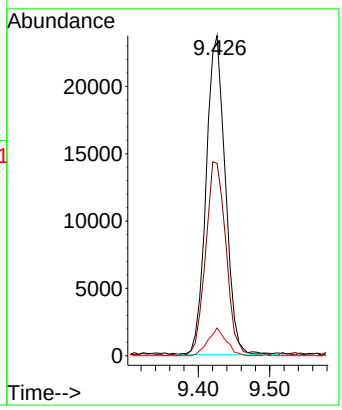




#47
Bromodichloromethane
Concen: 10.042 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 4404

Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.1	76.7
127	8.7	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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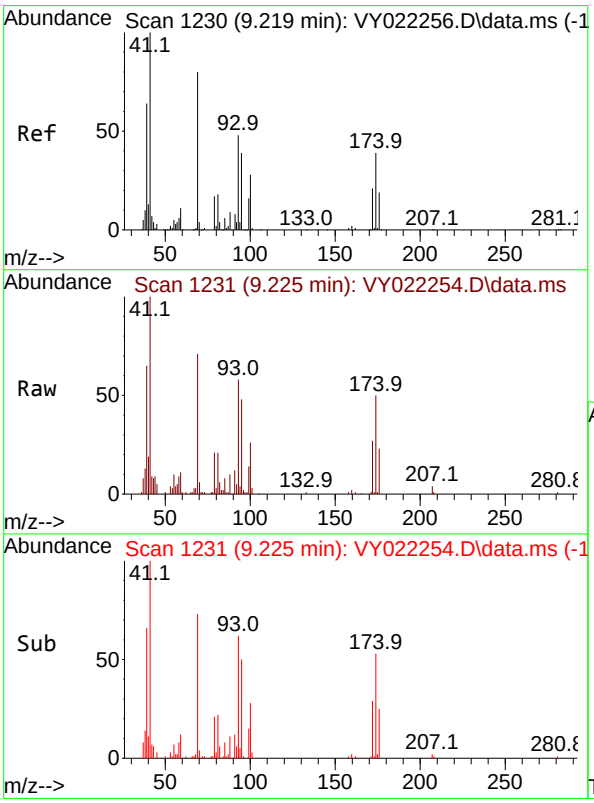
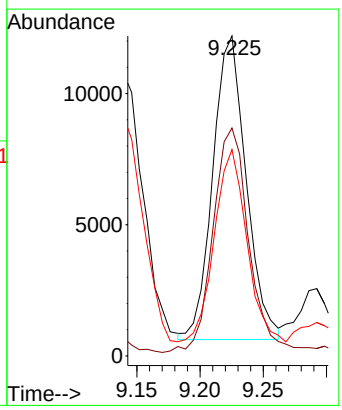
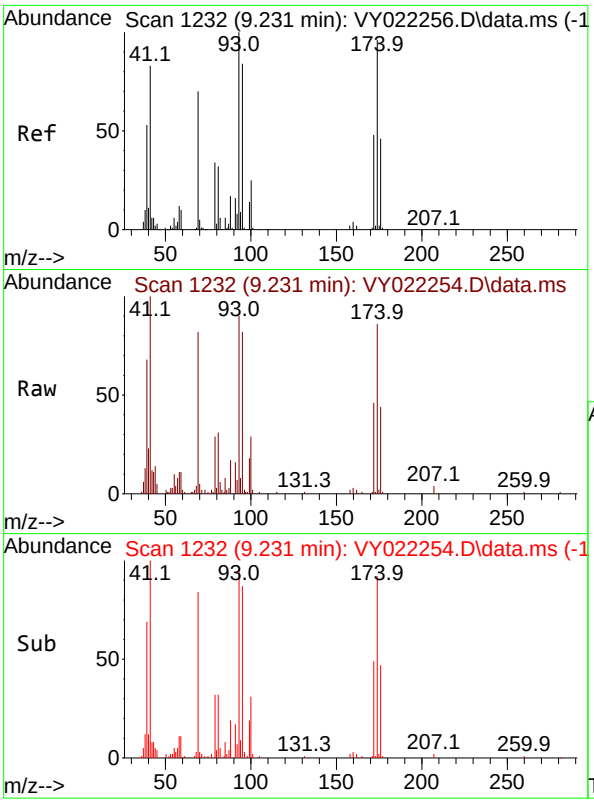


#48
Methyl methacrylate
Concen: 9.851 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 21202

Ion	Ratio	Lower	Upper
41	100		
69	80.5	63.5	95.3
39	62.0	50.8	76.2





#49
1,4-Dioxane
Concen: 205.769 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 88 Resp: 393

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.5	42.7#
58	84.5	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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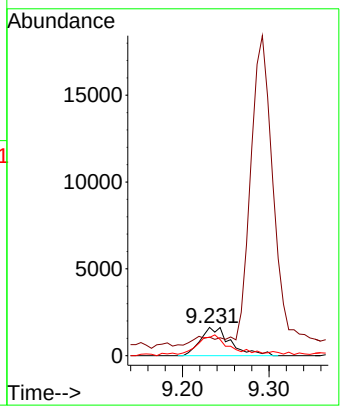
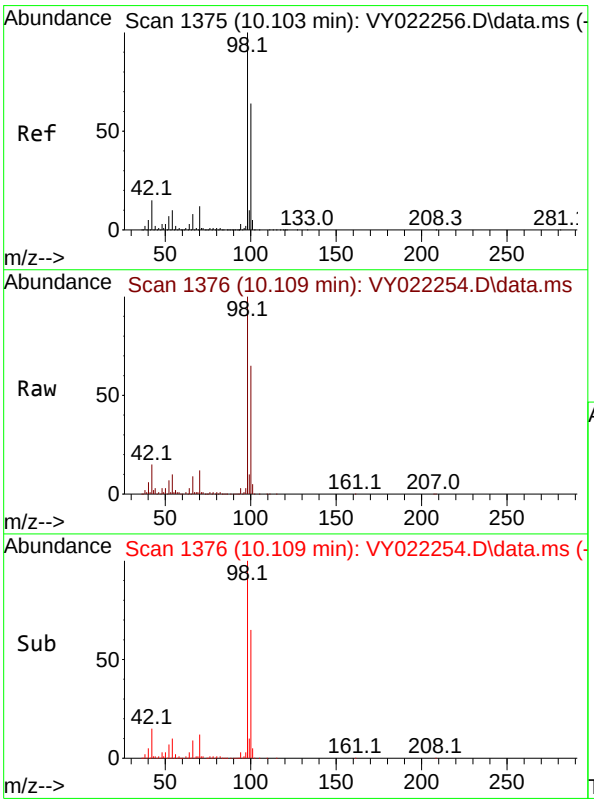
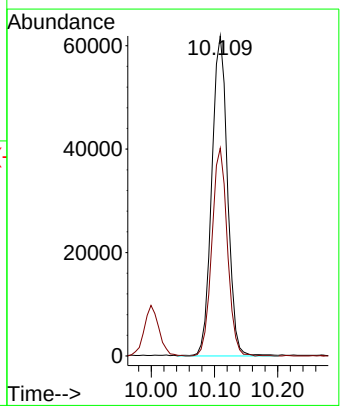


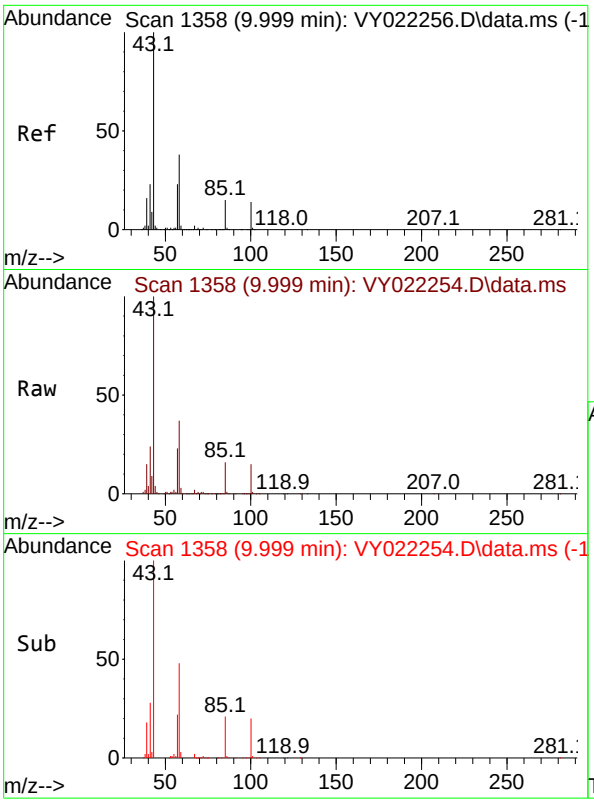


#50
Toluene-d8
Concen: 9.816 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 98 Resp: 107048

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8

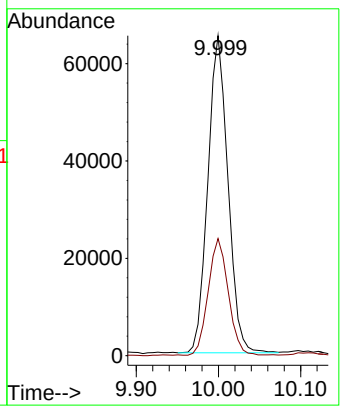




#51
4-Methyl-2-Pentanone
Concen: 48.889 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 11039

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.2



Instrument :
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ClientSampleId :
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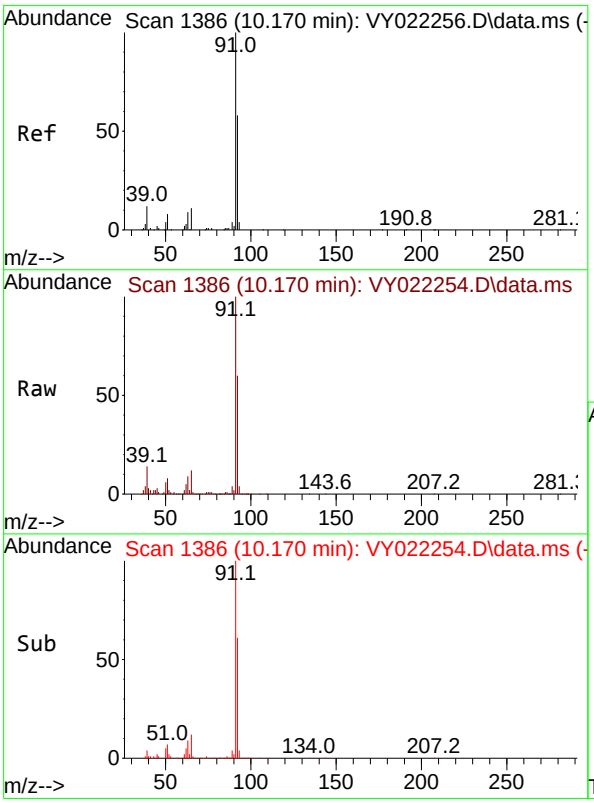
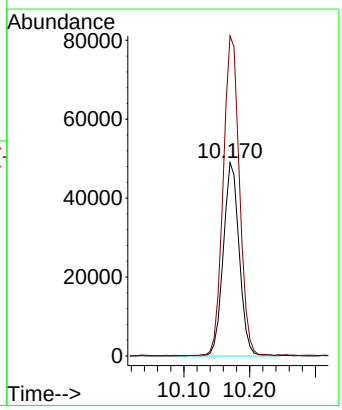
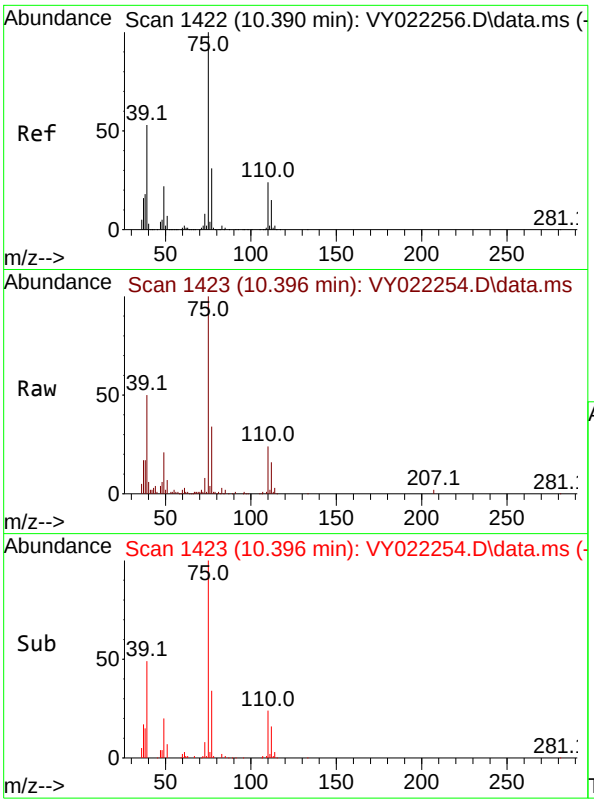


#52
Toluene
Concen: 10.015 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 92 Resp: 82453

Ion	Ratio	Lower	Upper
92	100		
91	168.8	139.1	208.7

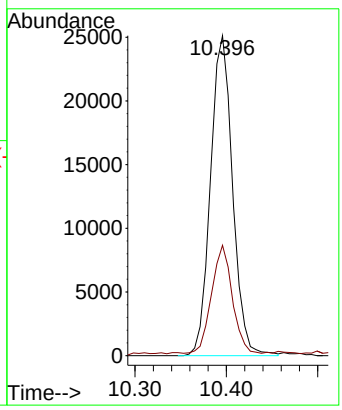




#53
t-1,3-Dichloropropene
Concen: 9.849 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 4215

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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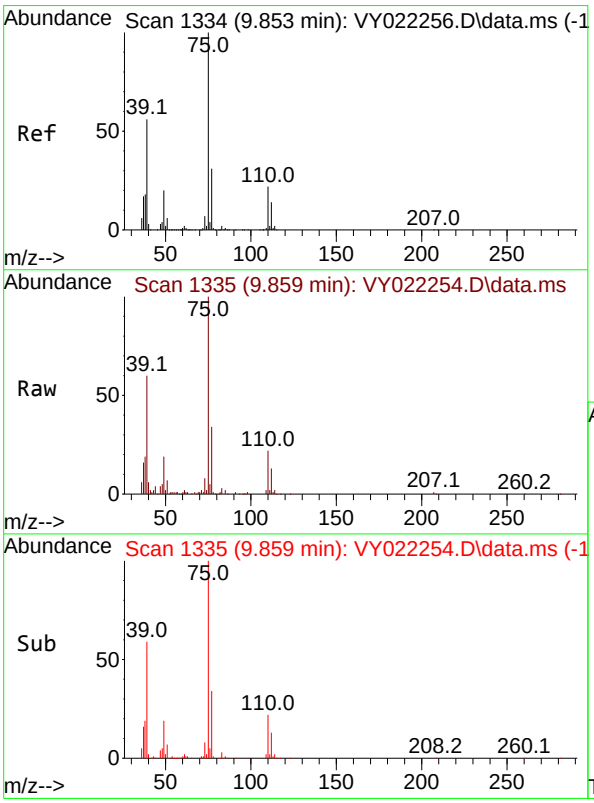
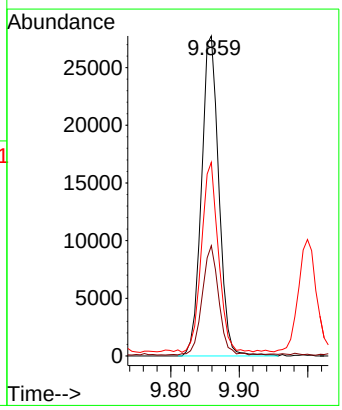
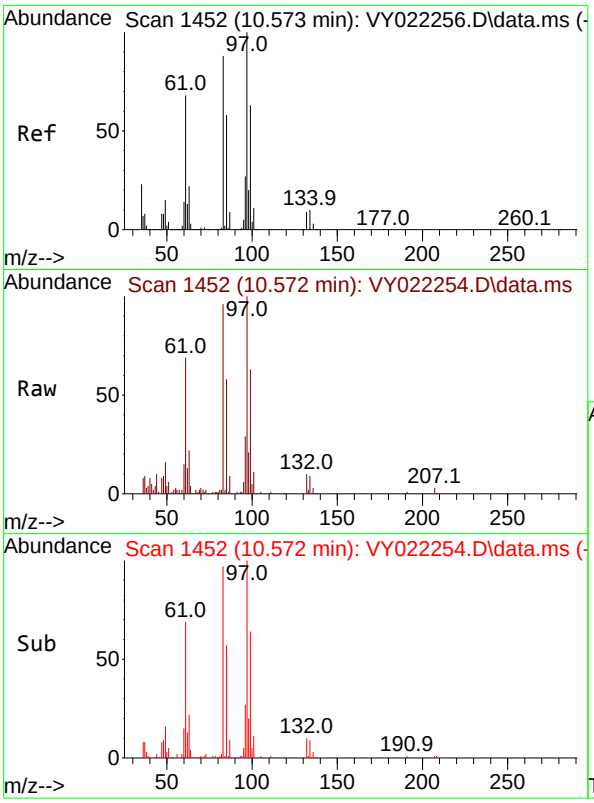


#54
cis-1,3-Dichloropropene
Concen: 9.976 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 48923

Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.1	37.7
39	58.7	44.5	66.7

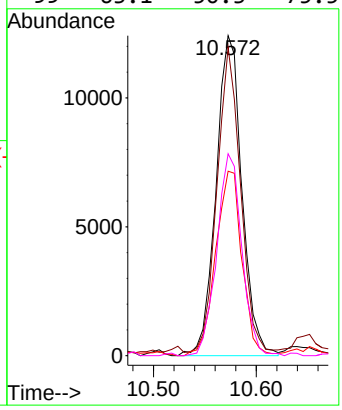




#55
1,1,2-Trichloroethane
Concen: 10.033 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 97 Resp: 2172

Ion	Ratio	Lower	Upper
97	100		
83	94.5	70.3	105.5
85	57.6	46.2	69.4
99	63.1	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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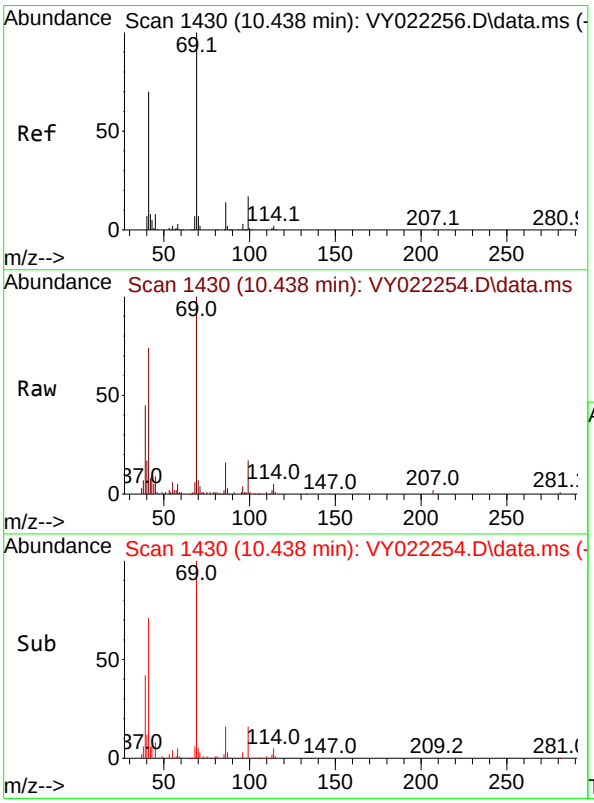
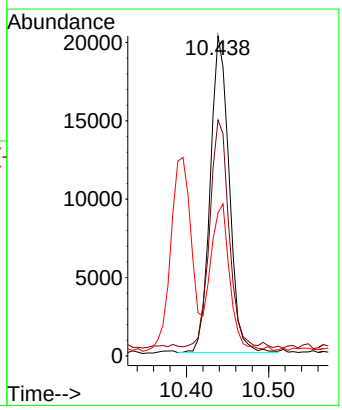
Supervised By :Semsettin Yesilyurt 05/16/2025

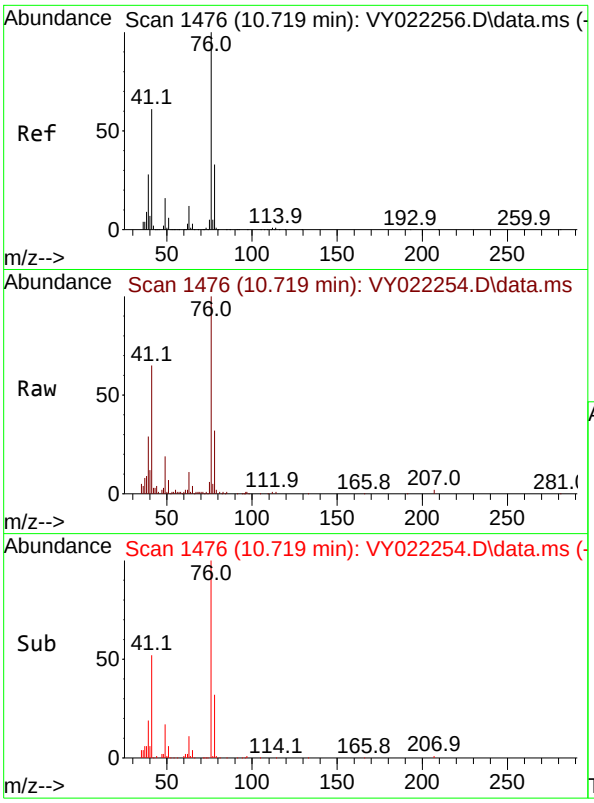


#56
Ethyl methacrylate
Concen: 9.574 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 69 Resp: 32286

Ion	Ratio	Lower	Upper
69	100		
41	72.5	56.5	84.7
39	45.6	37.1	55.7





#57
1,3-Dichloropropane
Concen: 10.115 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 76 Resp: 3890

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
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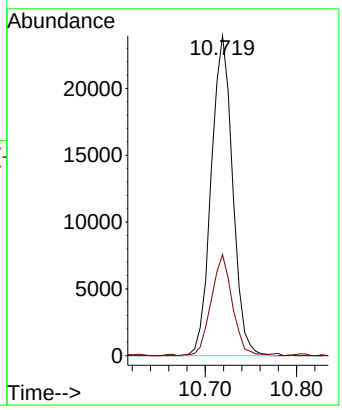
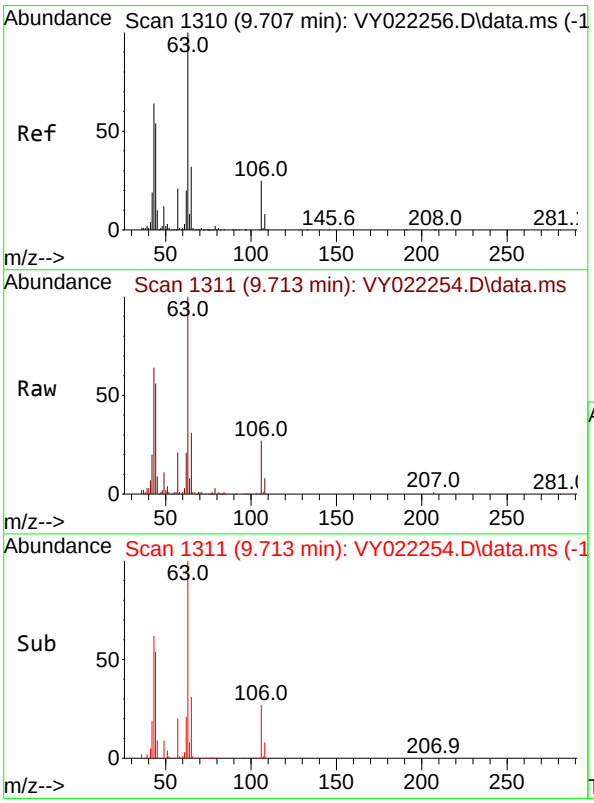
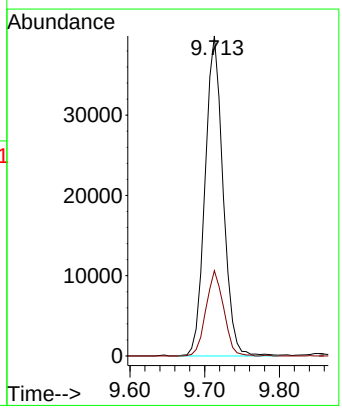


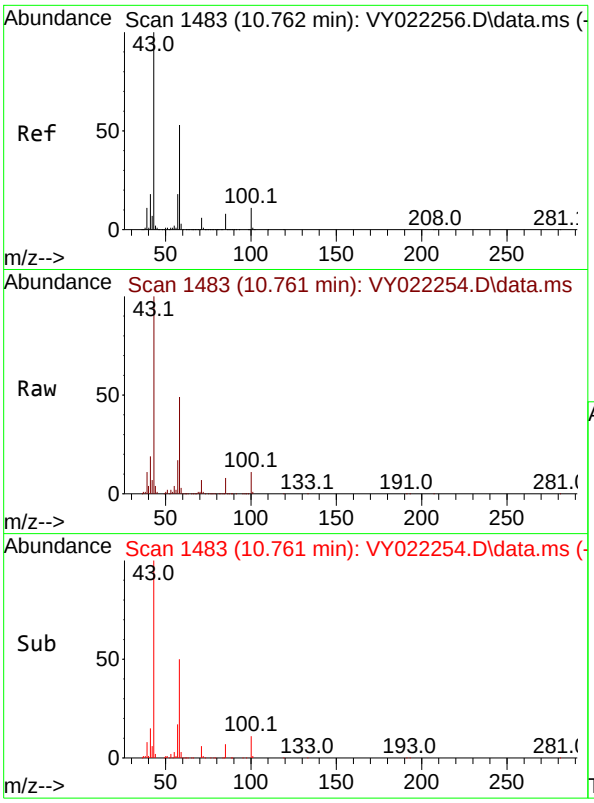


#58
2-Chloroethyl Vinyl ether
Concen: 44.066 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 66700

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4

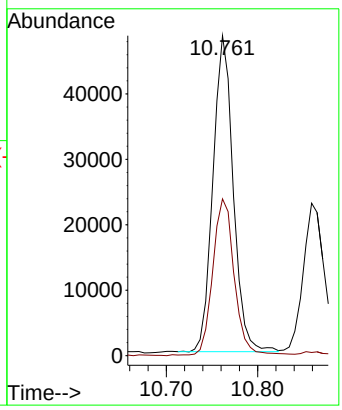




#59
2-Hexanone
Concen: 49.162 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 7443

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.1	78.3



Instrument :
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ClientSampleId :
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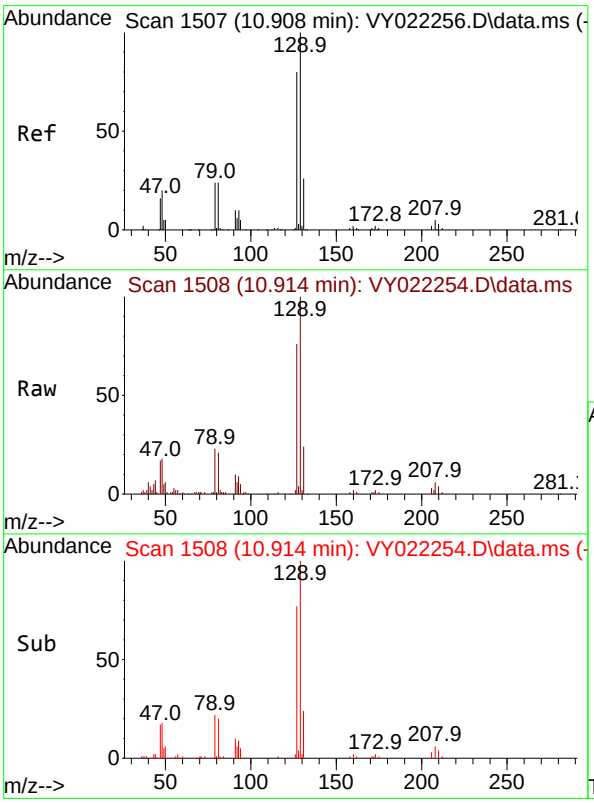
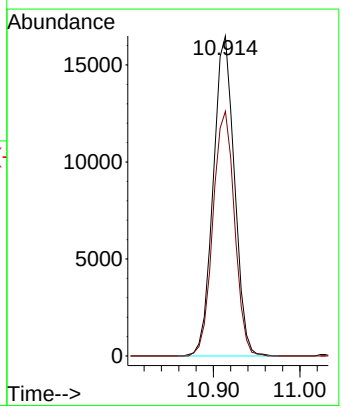
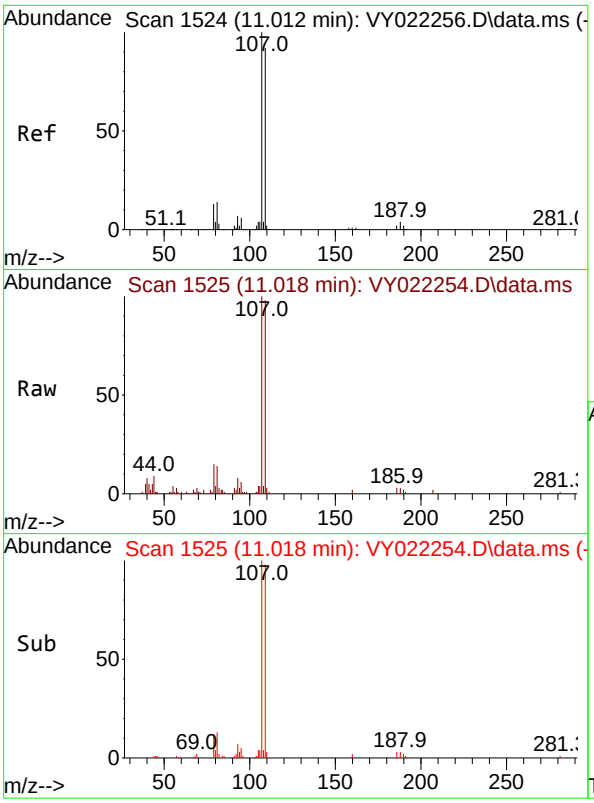


#60
Dibromochloromethane
Concen: 9.965 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:129 Resp: 28002

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7

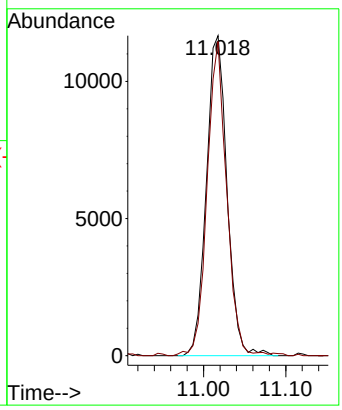




#61
1,2-Dibromoethane
Concen: 10.099 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:107 Resp: 2037

Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
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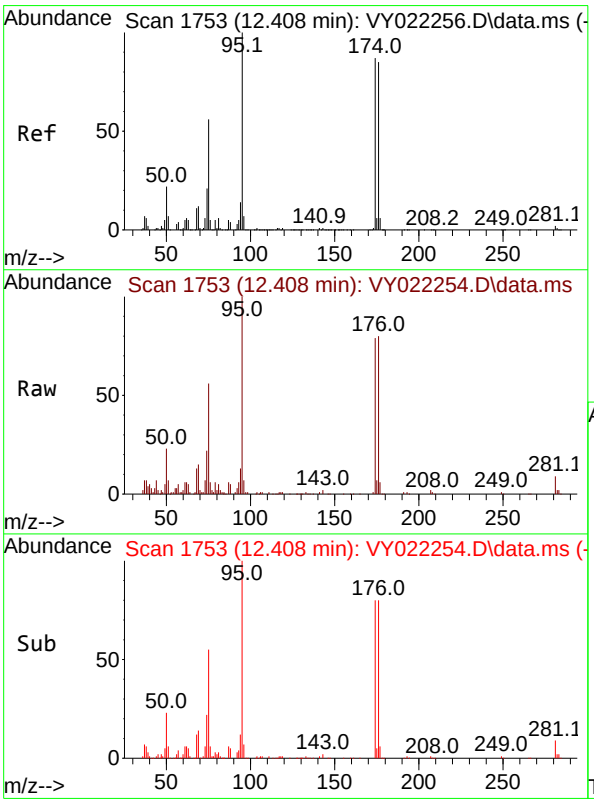
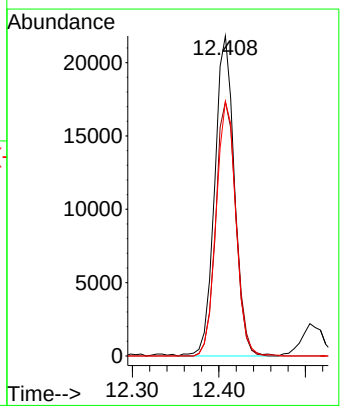
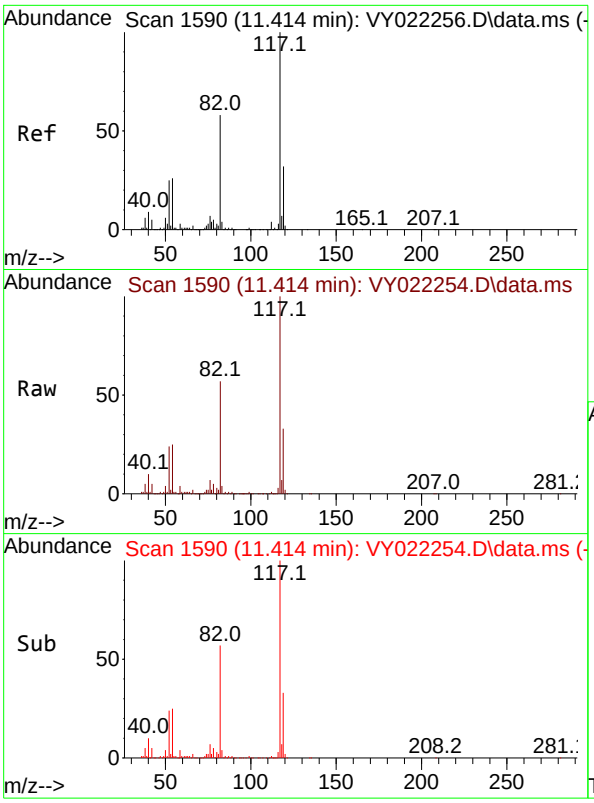


#62
4-Bromofluorobenzene
Concen: 9.959 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 95 Resp: 34423

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	166.8
176	79.7	0.0	160.8

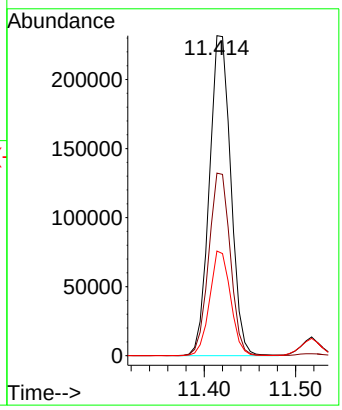




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 37721

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.6	70.0
119	32.7	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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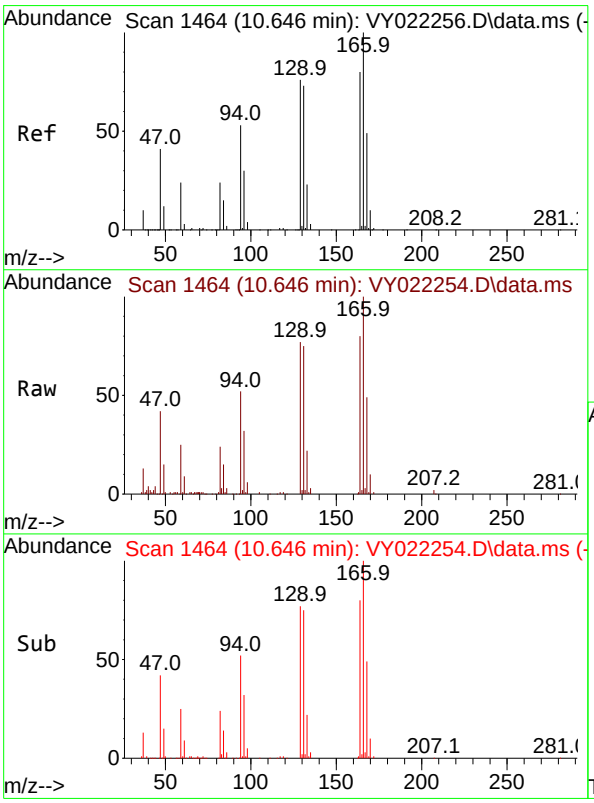
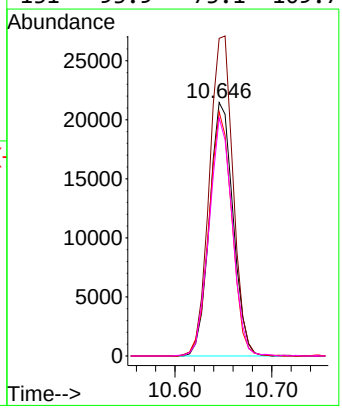
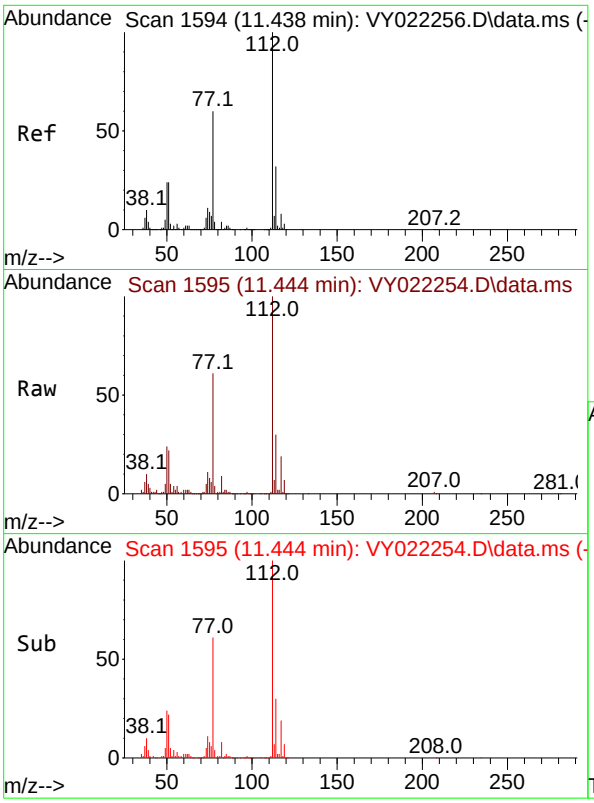


#64
Tetrachloroethene
Concen: 10.404 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:164 Resp: 36274

Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.4	150.6
129	96.3	76.4	114.6
131	93.9	73.1	109.7

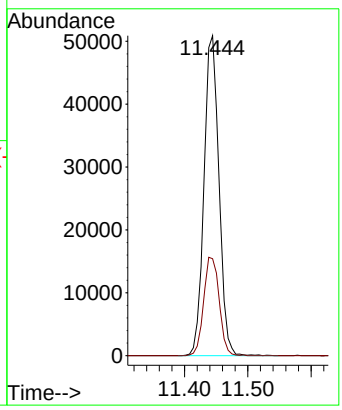




#65
Chlorobenzene
Concen: 9.839 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:112 Resp: 8373

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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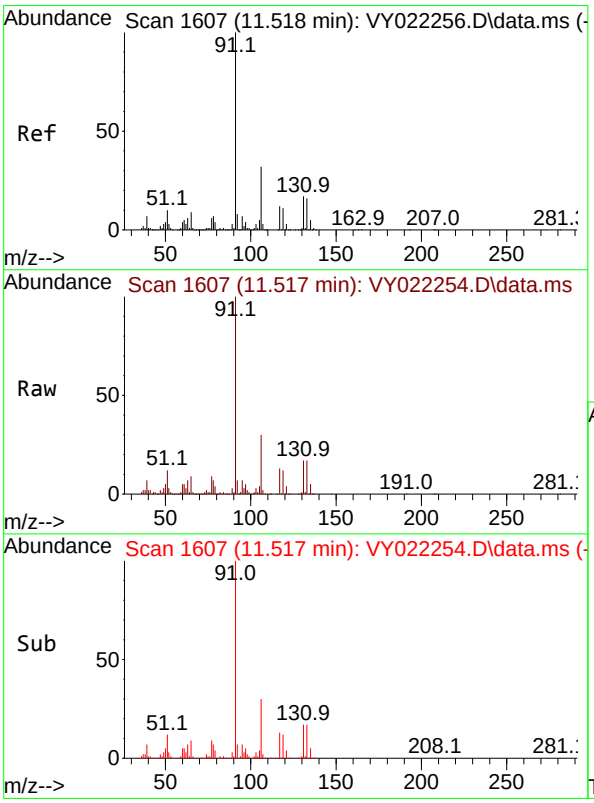
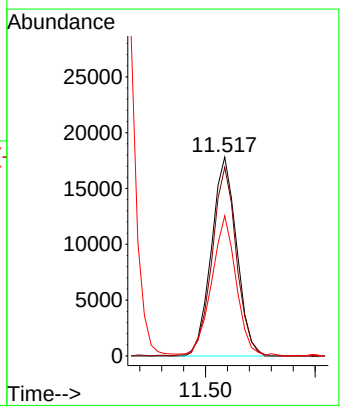
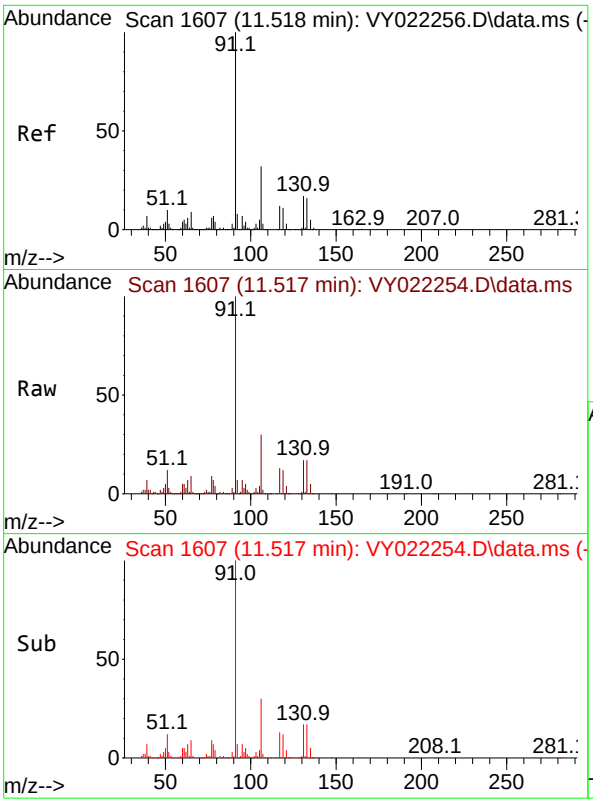


#66
1,1,1,2-Tetrachloroethane
Concen: 9.721 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:131 Resp: 28441

Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.3	141.9
119	69.0	33.1	99.2

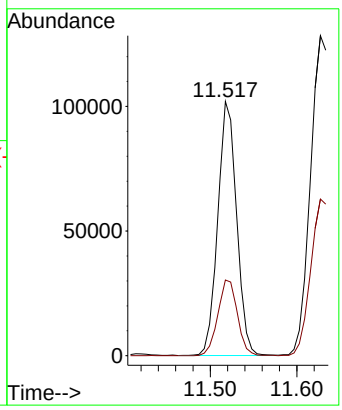




#67
Ethyl Benzene
Concen: 9.672 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 15415

Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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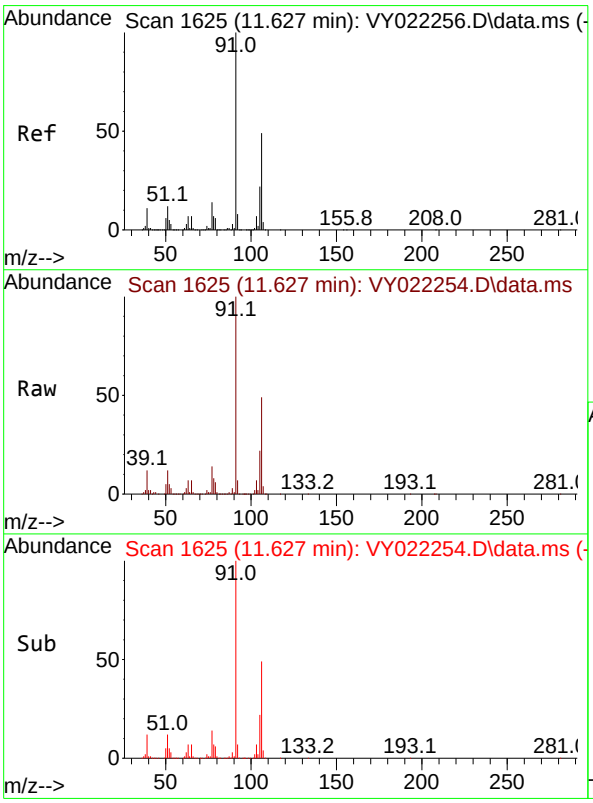
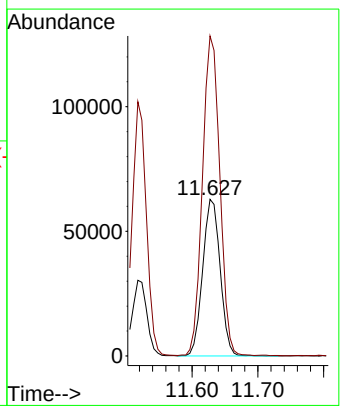
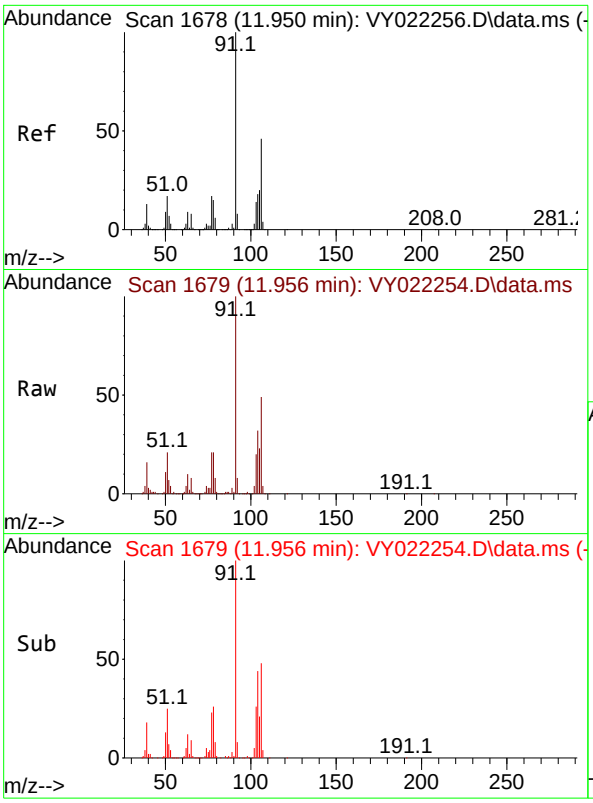


#68
m/p-Xylenes
Concen: 19.334 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:106 Resp: 116113

Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.0	244.4

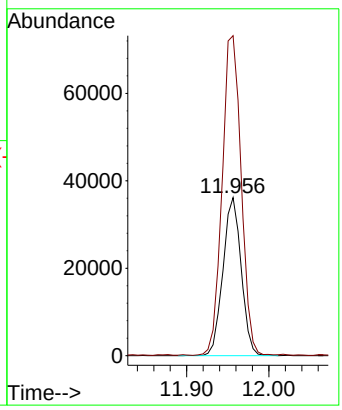




#69
o-Xylene
Concen: 9.837 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:106 Resp: 5589

Ion	Ratio	Lower	Upper
106	100		
91	210.6	108.3	324.8



Instrument :
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ClientSampleId :
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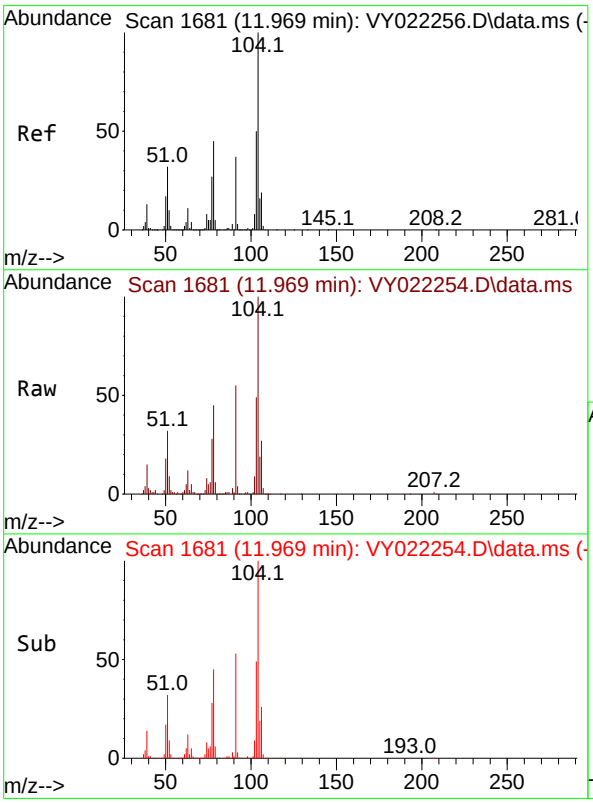
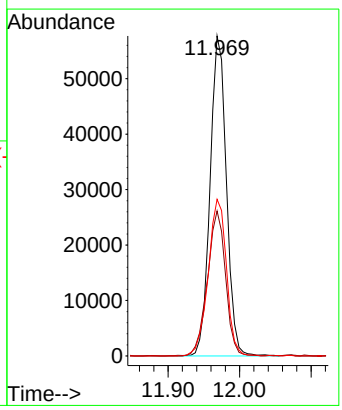
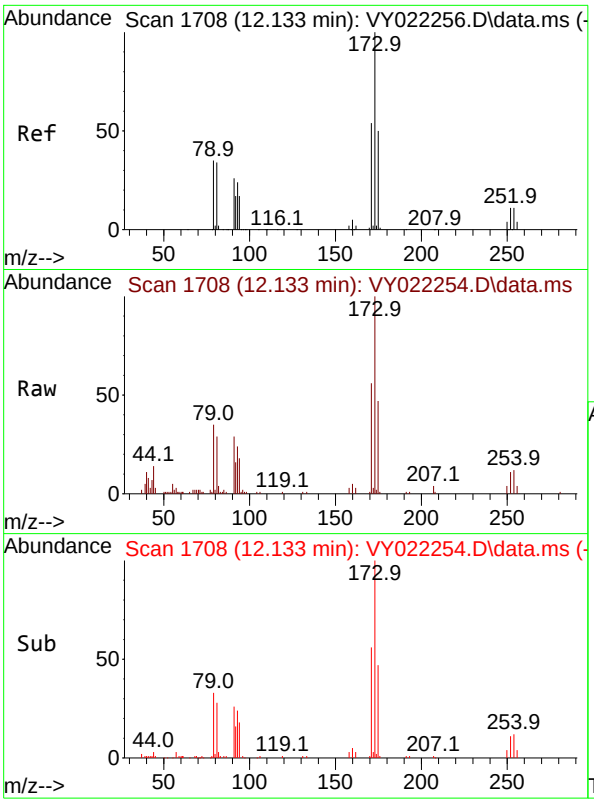


#70
Styrene
Concen: 9.553 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:104 Resp: 91569

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.9	61.3
103	54.7	43.7	65.5

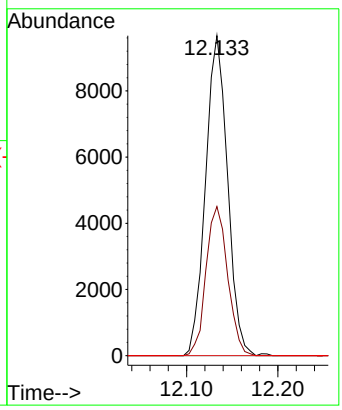




#71
Bromoform
Concen: 10.228 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:173 Resp: 1615

Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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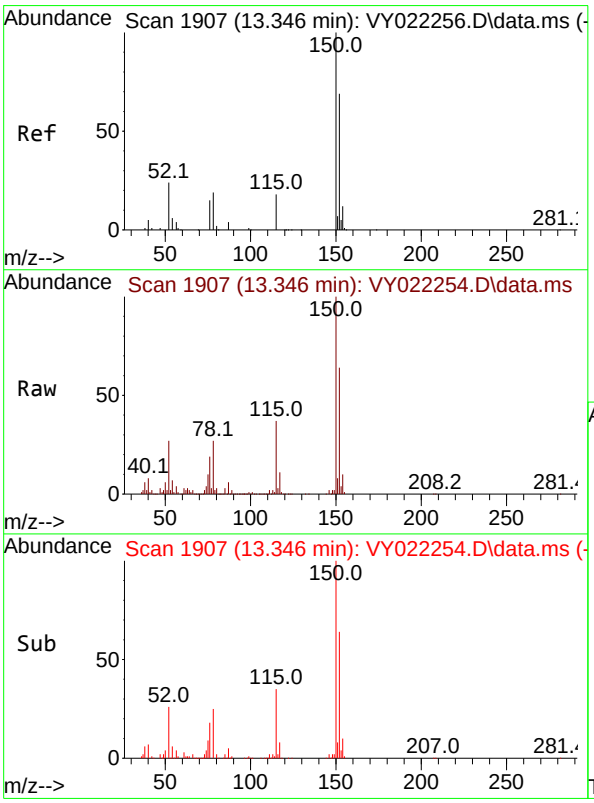
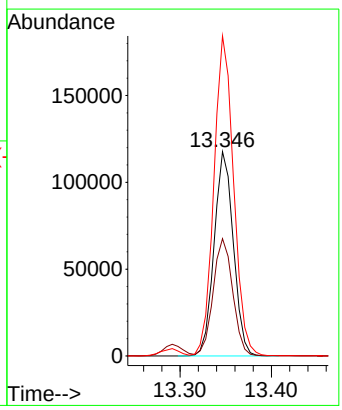
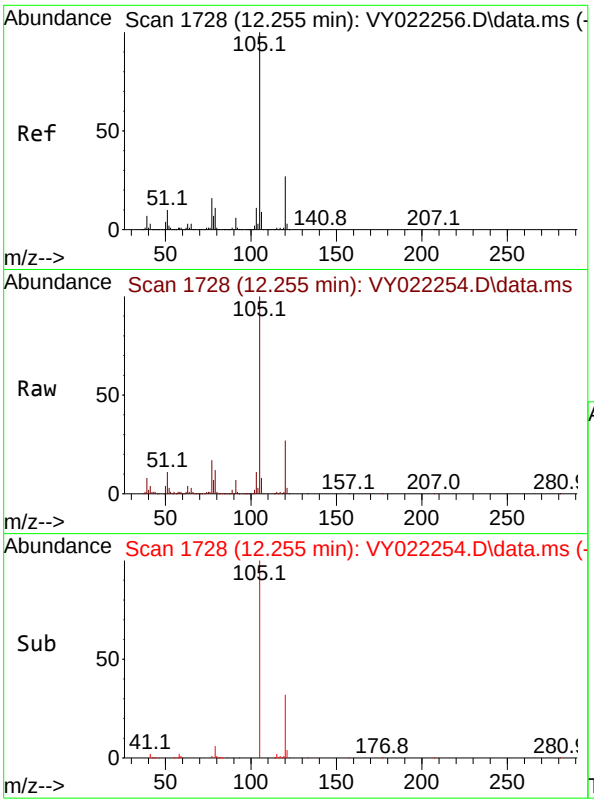


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:152 Resp: 171972

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	161.2	0.0	353.8

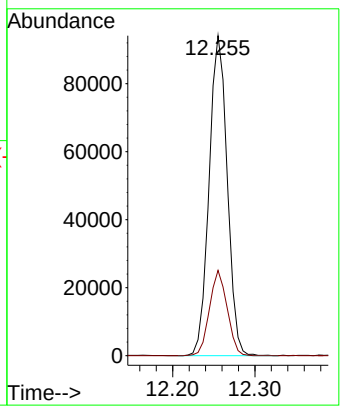




#73
Isopropylbenzene
Concen: 10.120 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 14418

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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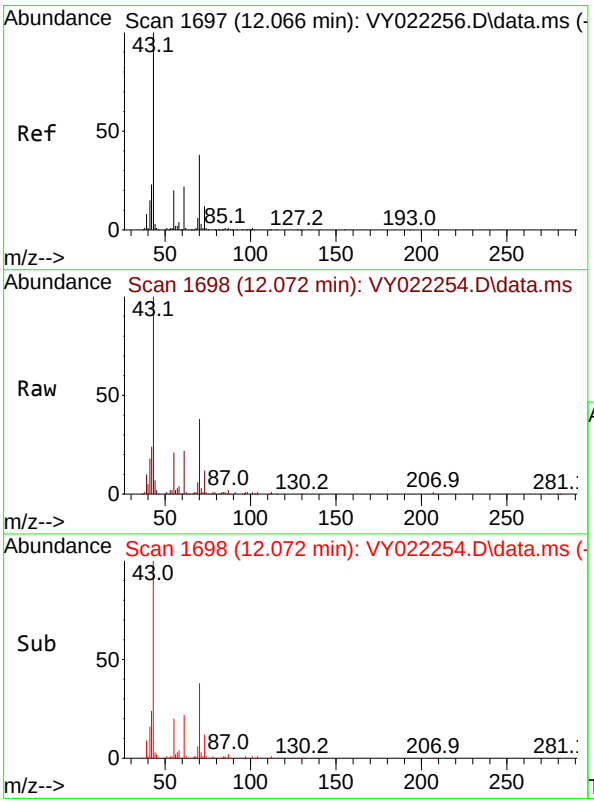
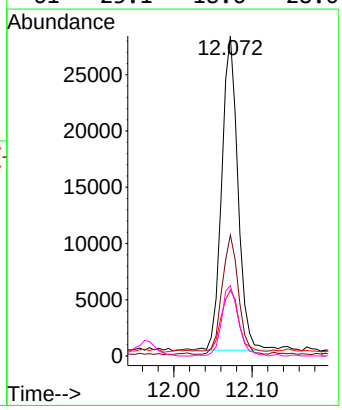
Supervised By :Semsettin Yesilyurt 05/16/2025

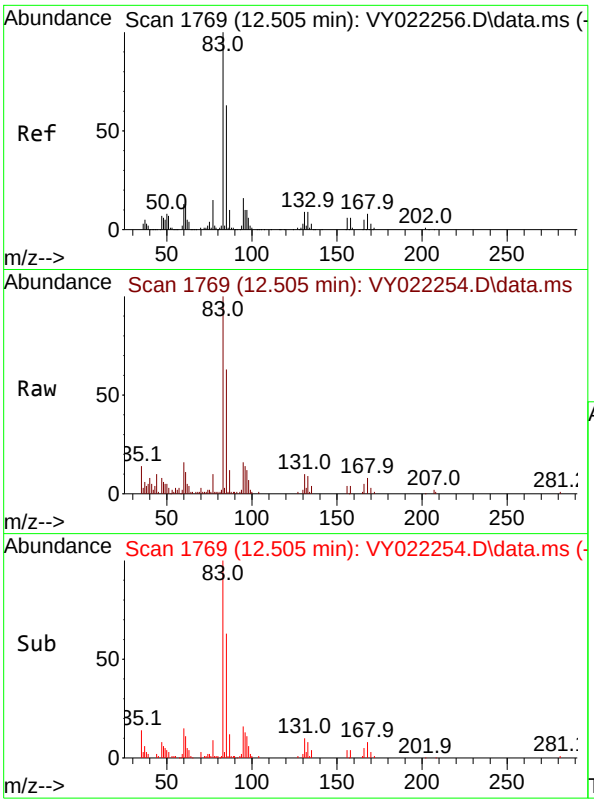


#74
N-amyl acetate
Concen: 9.901 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 40345

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.4	47.0
55	20.5	17.0	25.6
61	23.1	18.6	28.0

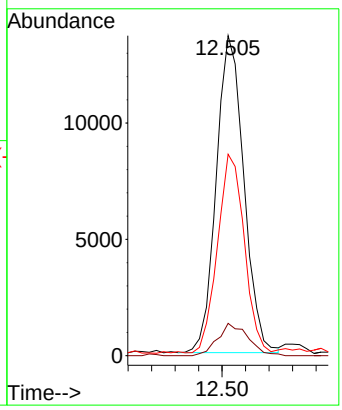




#75
1,1,2,2-Tetrachloroethane
Concen: 10.152 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 2224

Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.9	14.7
85	60.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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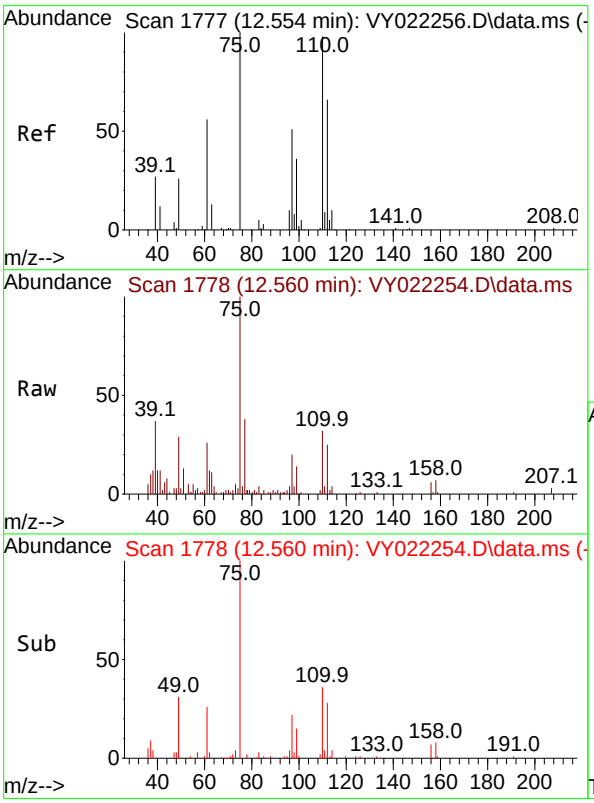
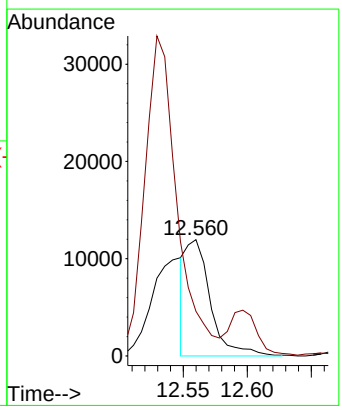
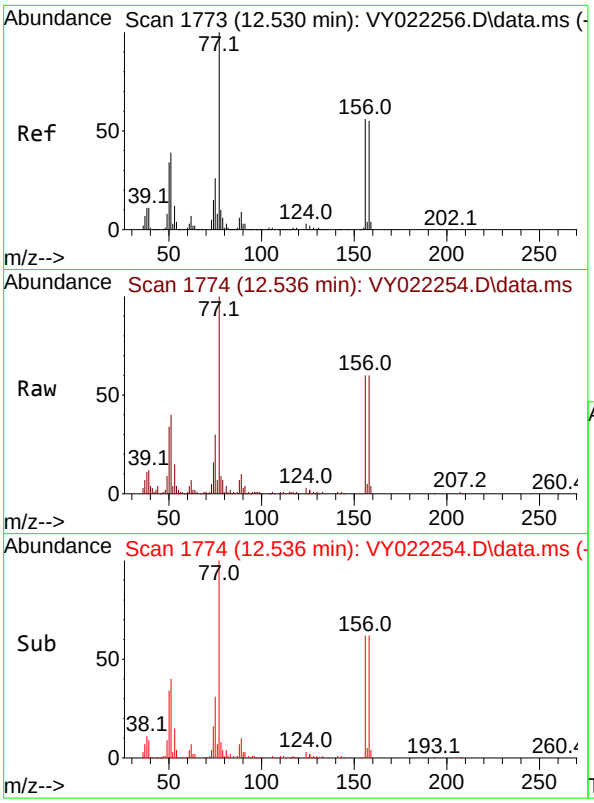


#76
1,2,3-Trichloropropane
Concen: 5.297 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 16056

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

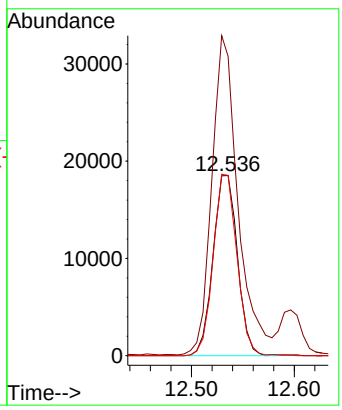




#77
Bromobenzene
Concen: 10.005 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:156 Resp: 3044

Ion	Ratio	Lower	Upper
156	100		
77	189.7	94.5	283.6
158	98.1	48.4	145.3



Instrument :
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ClientSampleId :
VSTDICC010

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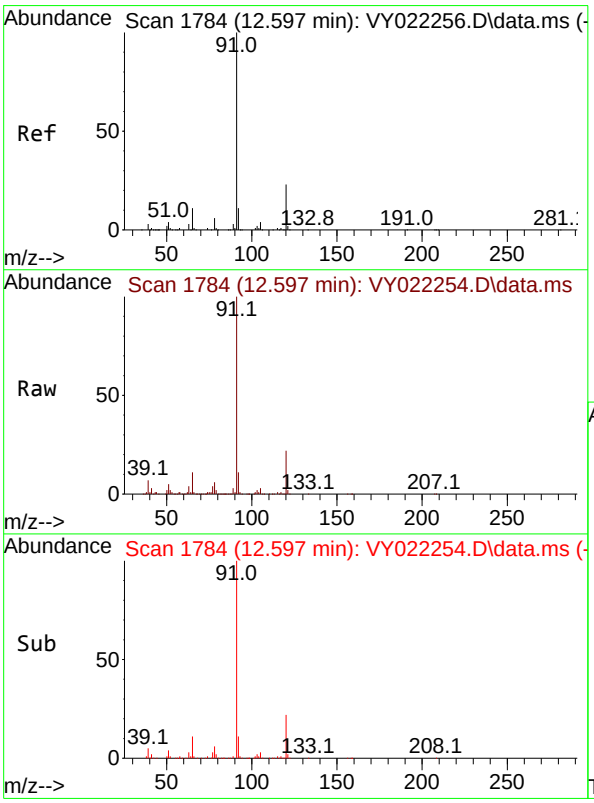
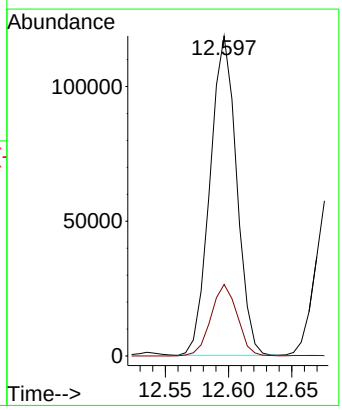
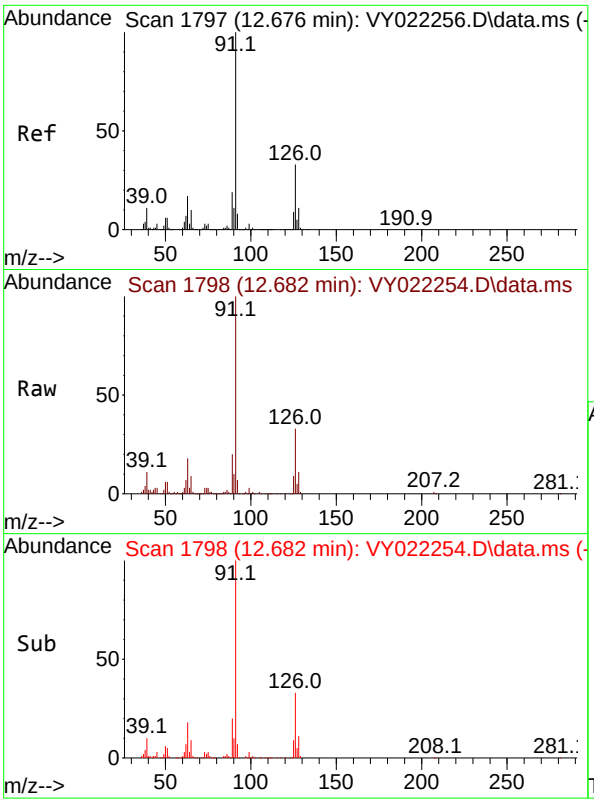


#78
n-propylbenzene
Concen: 10.101 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 173575

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

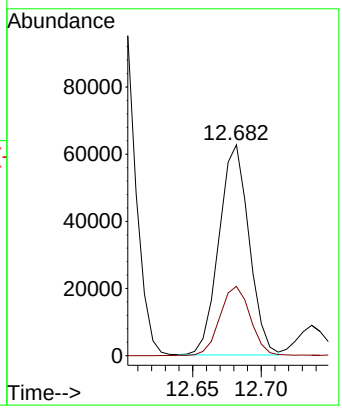




#79
2-Chlorotoluene
Concen: 10.146 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 9581

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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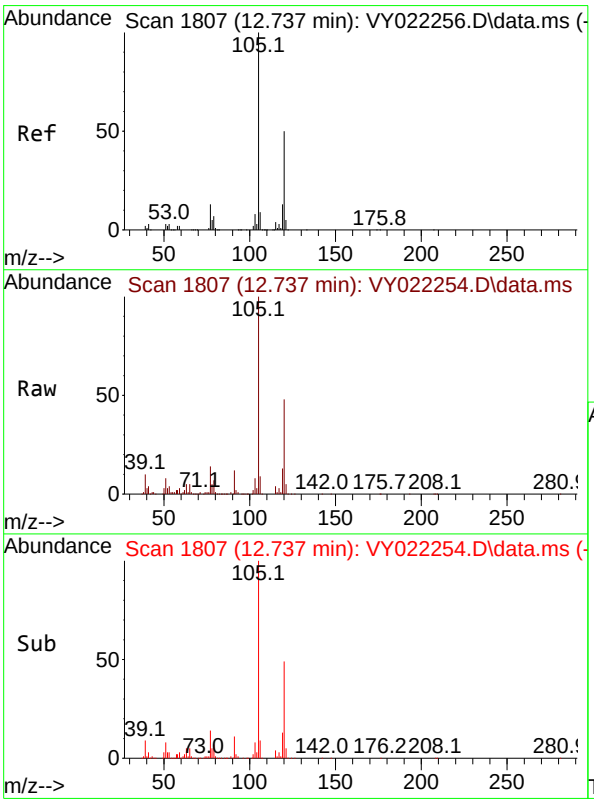
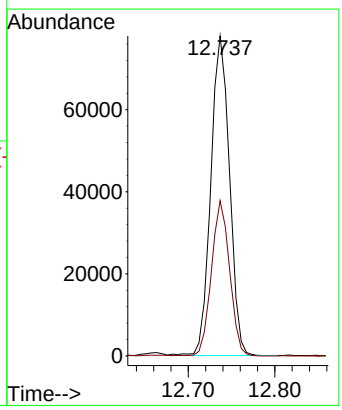
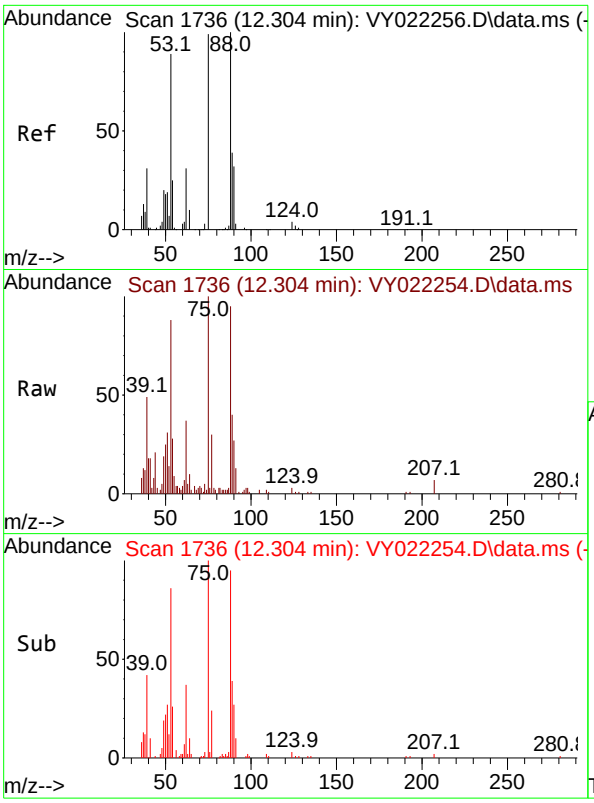


#80
1,3,5-Trimethylbenzene
Concen: 10.126 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 116461

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 10.388 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 893

Ion	Ratio	Lower	Upper
75	100		
53	87.6	75.8	113.8
89	44.0	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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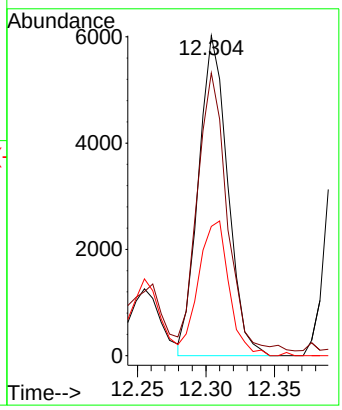
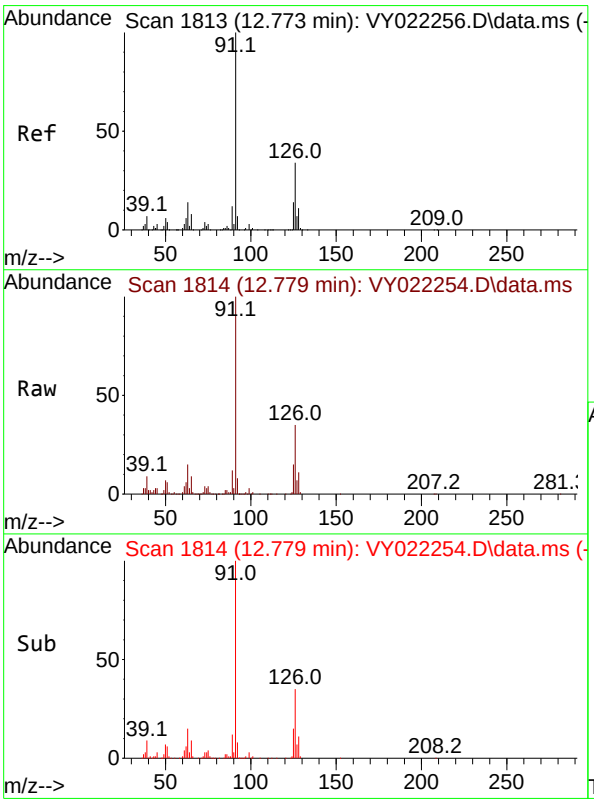
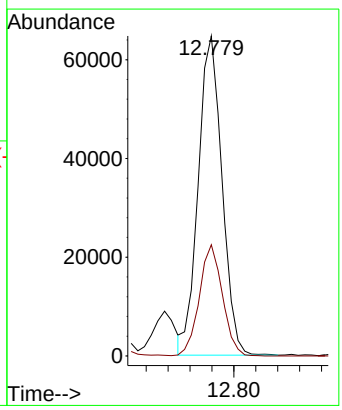


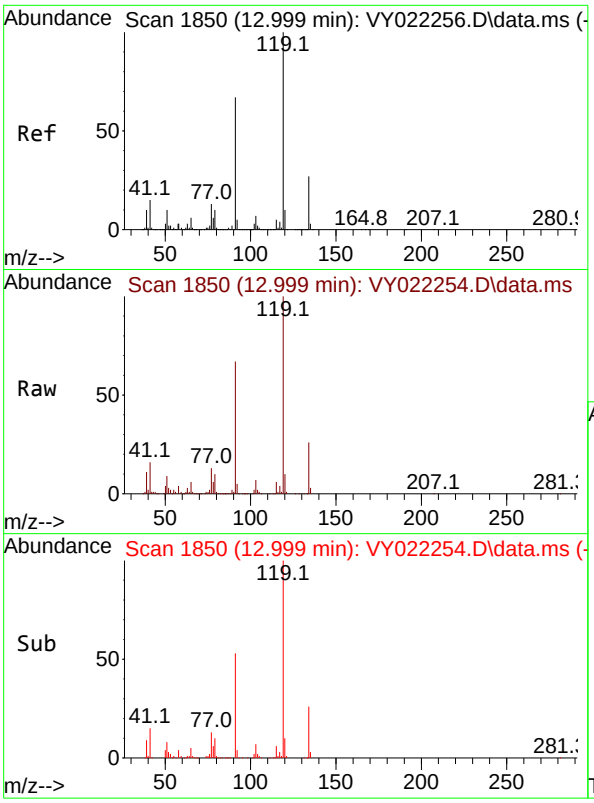


#82
4-Chlorotoluene
Concen: 10.018 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 97309

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4

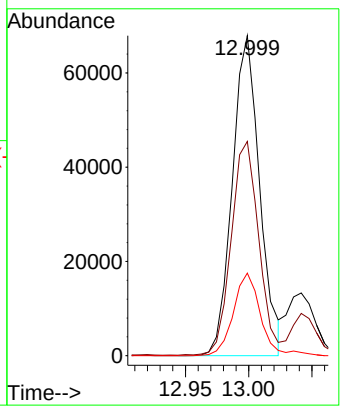




#83
tert-Butylbenzene
Concen: 10.005 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:119 Resp: 10227

Ion	Ratio	Lower	Upper
119	100		
91	66.9	32.8	98.3
134	25.7	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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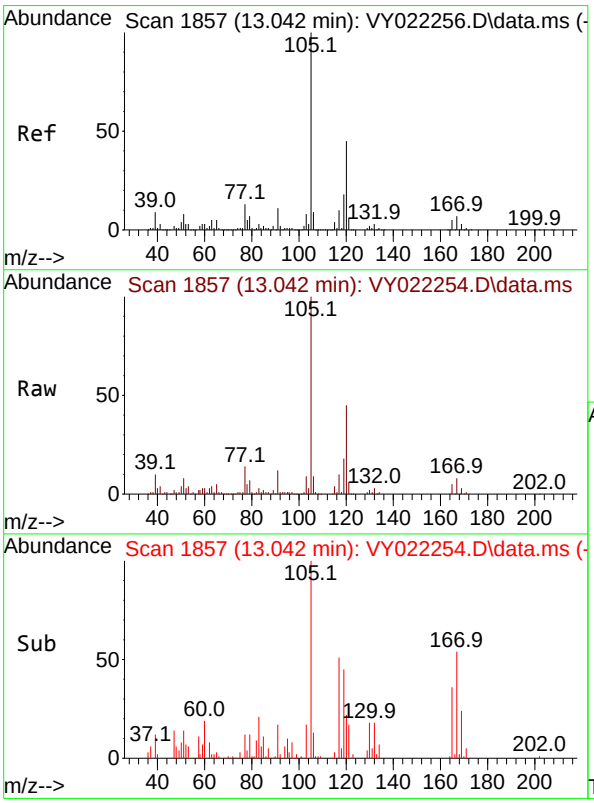
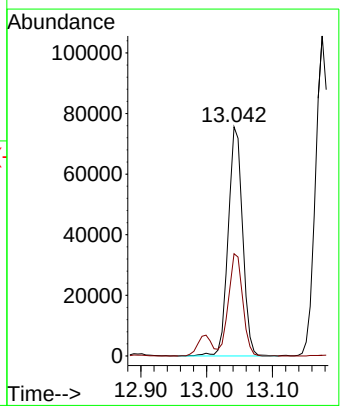
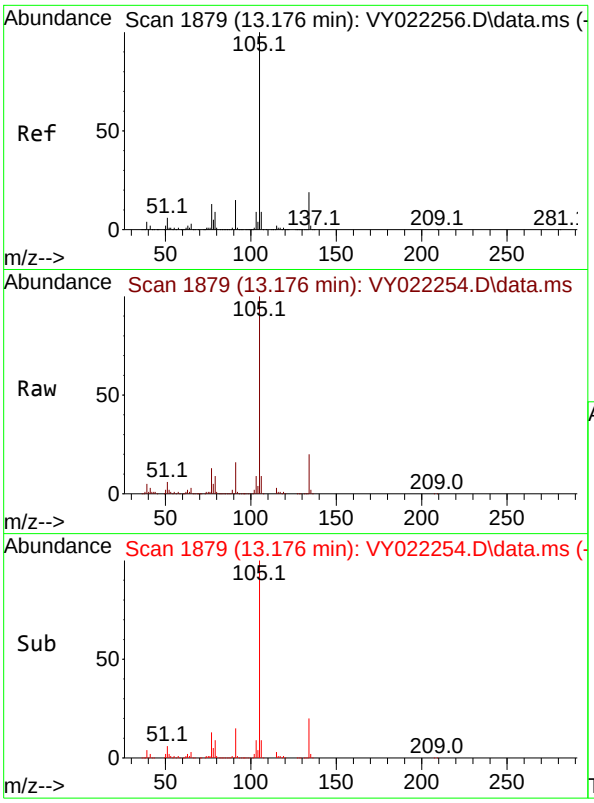


#84
1,2,4-Trimethylbenzene
Concen: 10.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 115175

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





#85
sec-Butylbenzene
Concen: 10.112 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 15344

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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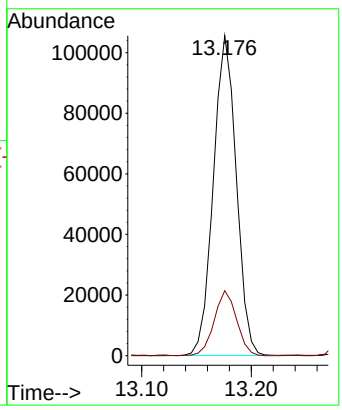
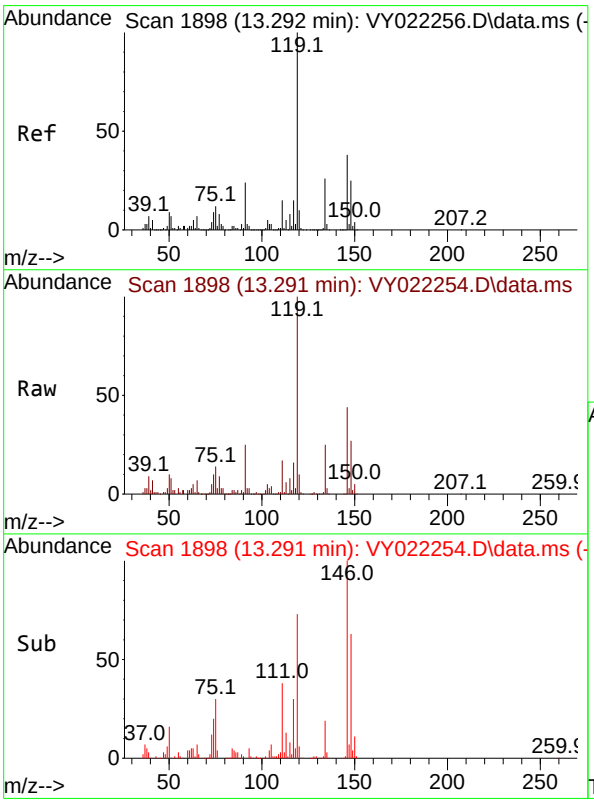
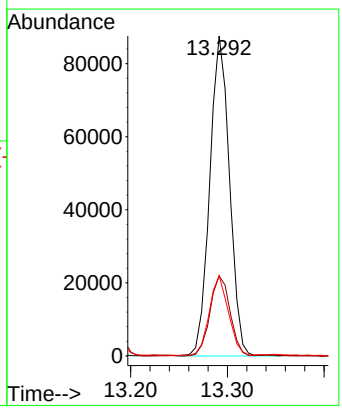


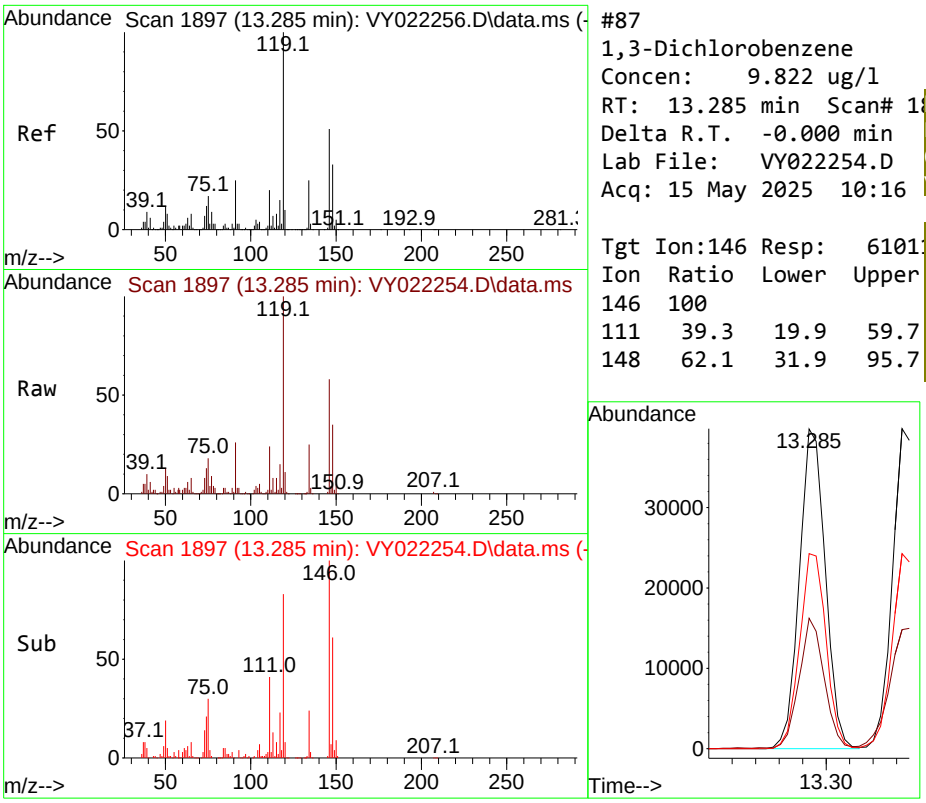


#86
p-Isopropyltoluene
Concen: 9.728 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:119 Resp: 124147

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	24.1	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 9.822 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 6101

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	62.1	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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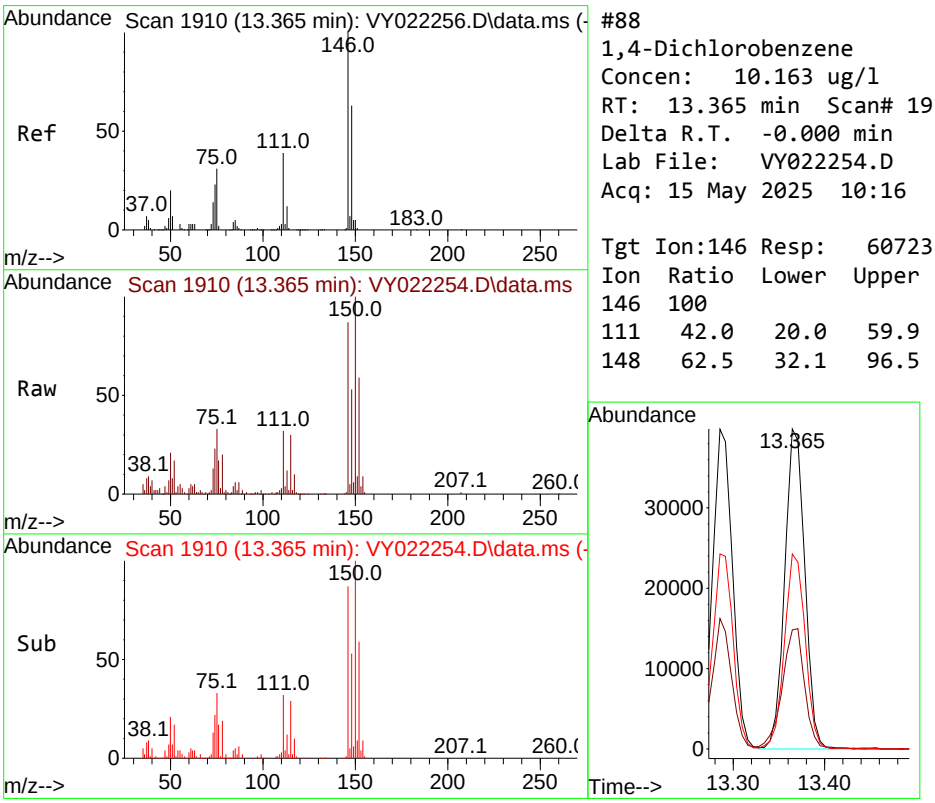
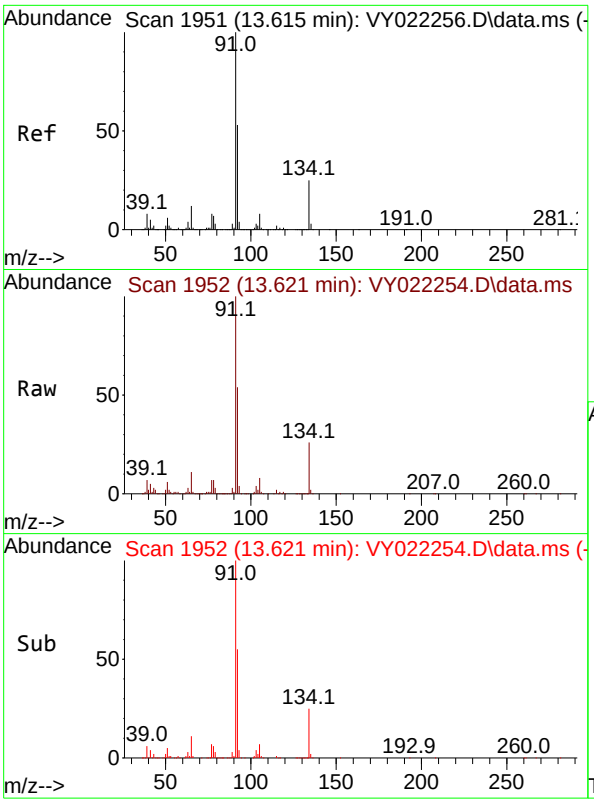


#88
1,4-Dichlorobenzene
Concen: 10.163 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 60723

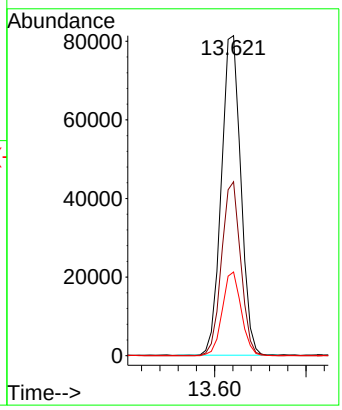
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	59.9
148	62.5	32.1	96.5



#89
n-Butylbenzene
Concen: 9.970 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 12037

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	25.5	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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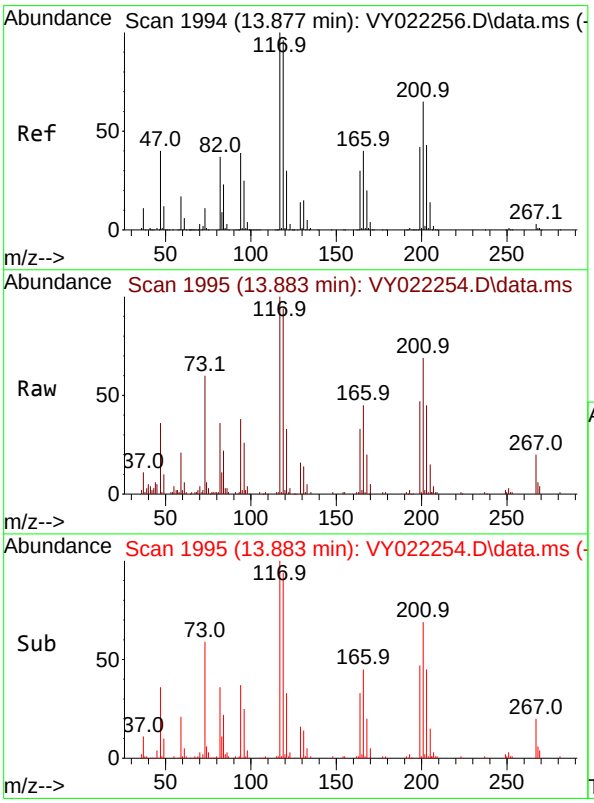
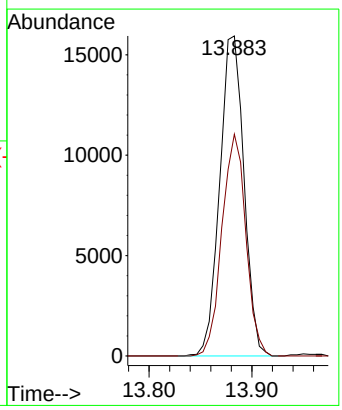
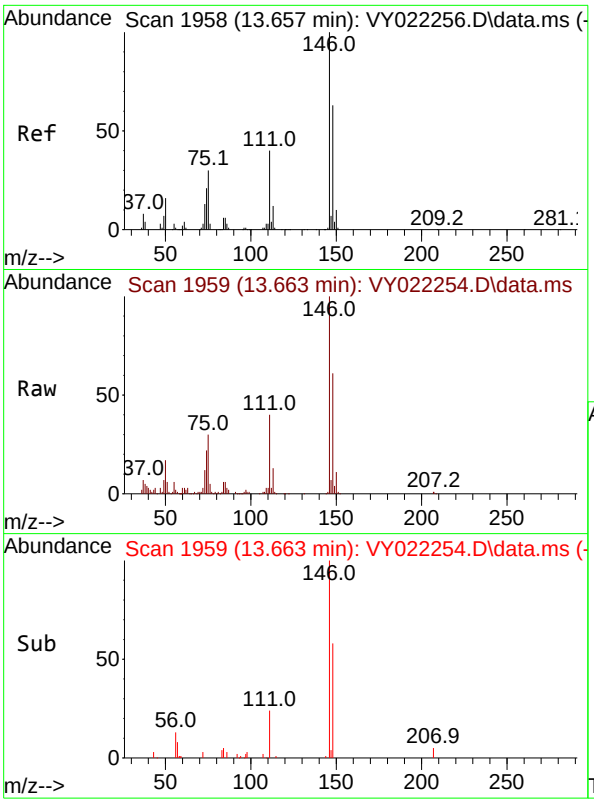


#90
Hexachloroethane
Concen: 10.127 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 26089

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6

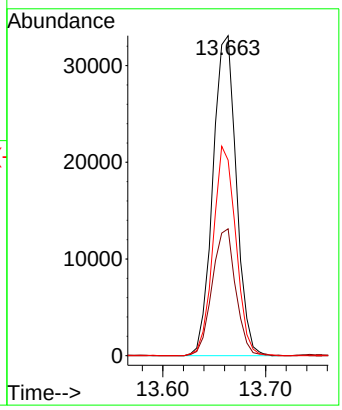




#91
1,2-Dichlorobenzene
Concen: 10.020 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 5228

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.5
148	63.5	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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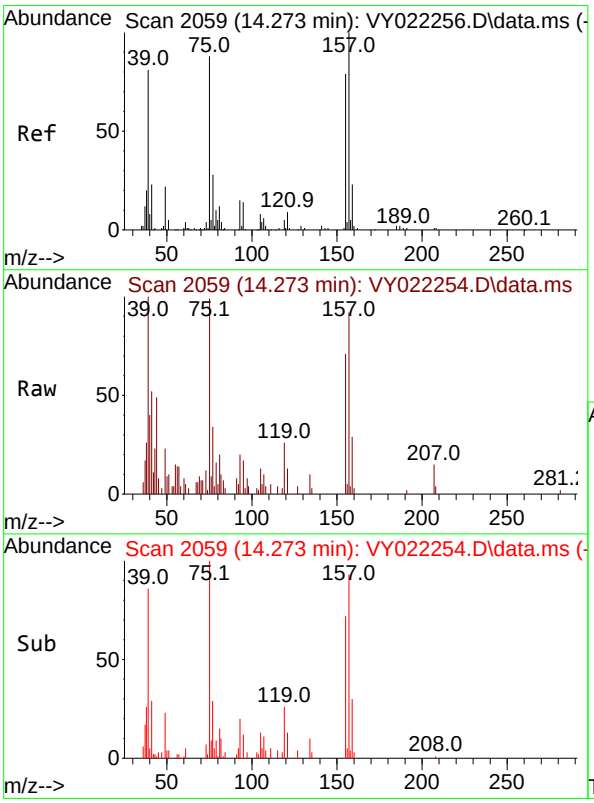
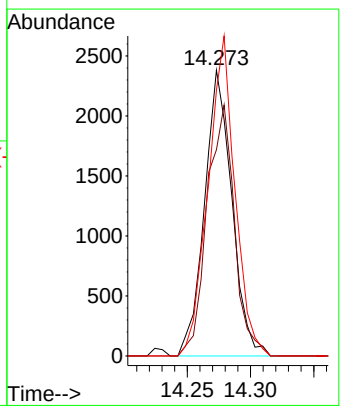
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

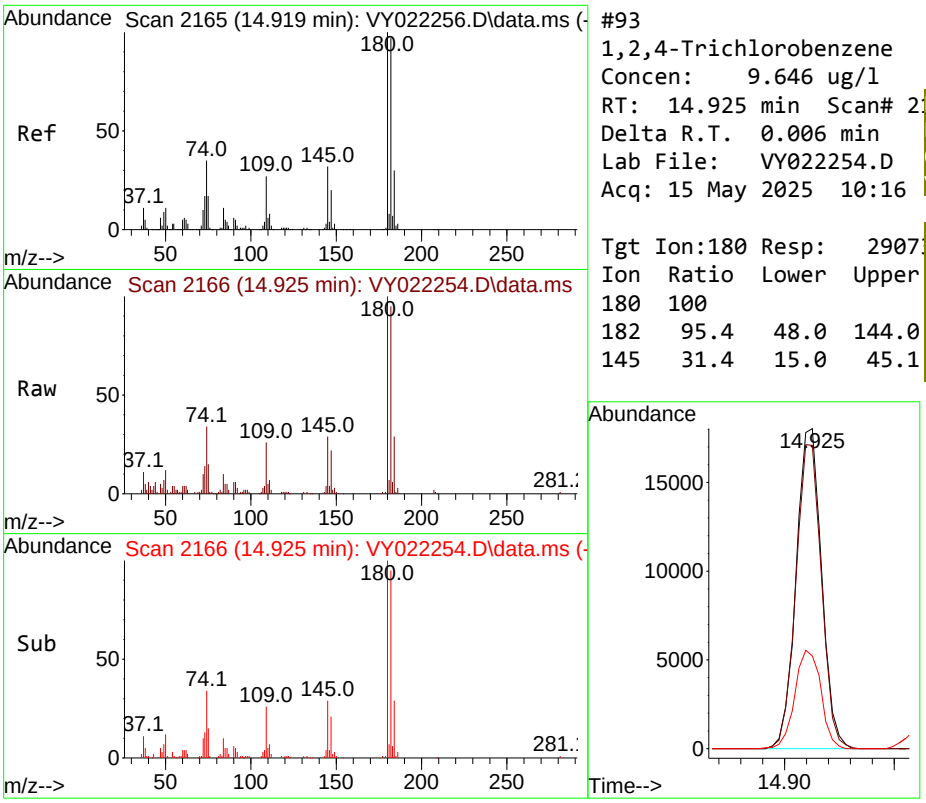


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.155 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 3588

Ion	Ratio	Lower	Upper
75	100		
155	88.0	43.4	130.1
157	109.8	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 9.646 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

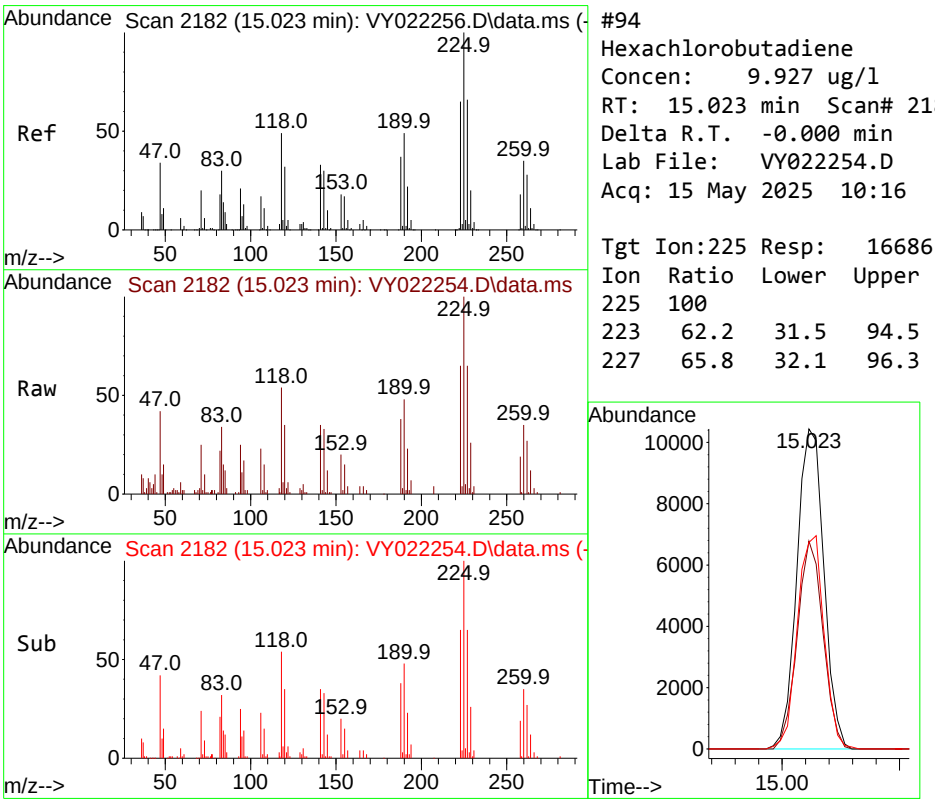
Tgt Ion:180 Resp: 2907

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	31.4	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

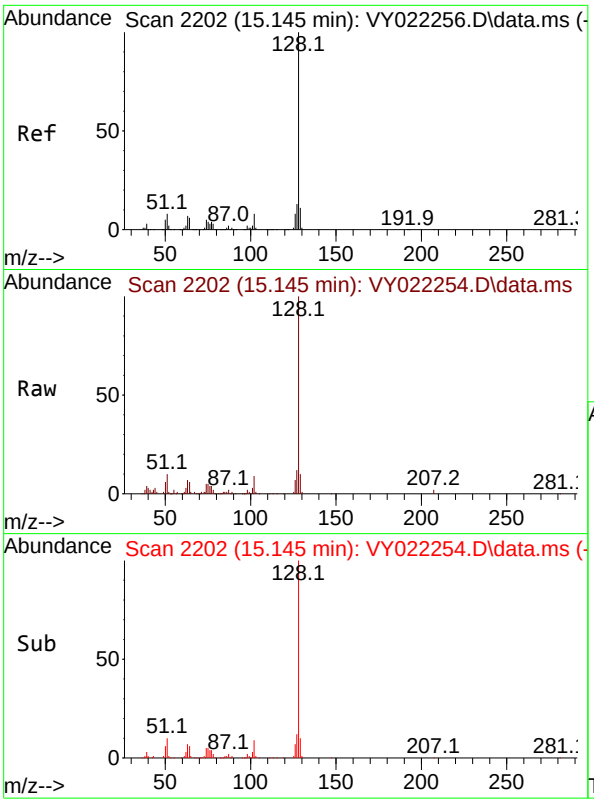
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#94
Hexachlorobutadiene
Concen: 9.927 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:225 Resp: 16686

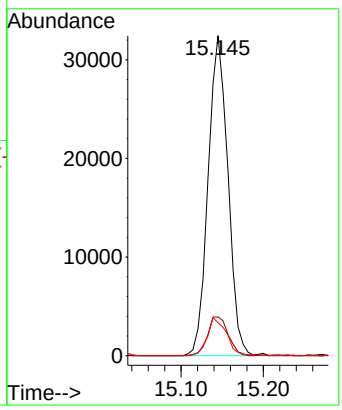
Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	65.8	32.1	96.3



#95
Naphthalene
Concen: 9.495 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:128 Resp: 5430

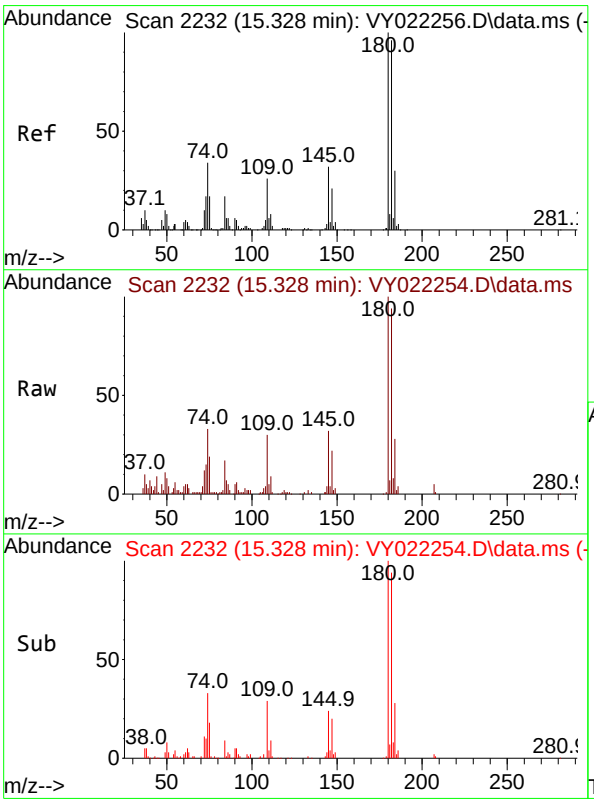
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.5	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

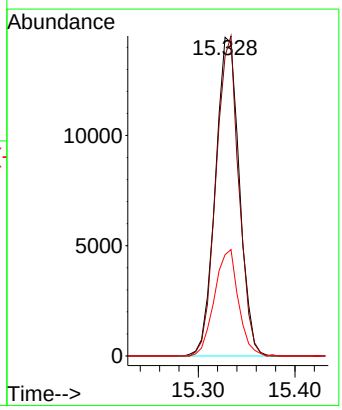
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.696 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:180 Resp: 24790

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	33.4	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	262008	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	439816	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	370072	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172509	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	55221	19.284	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 38.560%#				
35) Dibromofluoromethane	7.634	113	51670	19.683	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 39.360%#				
50) Toluene-d8	10.109	98	210206	19.552	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 39.100%#				
62) 4-Bromofluorobenzene	12.408	95	64706	18.988	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 37.980%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	56737	20.753	ug/l		99
3) Chloromethane	2.068	50	120819	21.008	ug/l		97
4) Vinyl Chloride	2.202	62	132511	20.623	ug/l		96
5) Bromomethane	2.592	94	110855	21.194	ug/l		99
6) Chloroethane	2.732	64	83451	20.877	ug/l		99
7) Trichlorofluoromethane	3.050	101	132029	20.295	ug/l		97
8) Diethyl Ether	3.458	74	29651	18.993	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.812	101	57012	20.187	ug/l		98
10) Methyl Iodide	4.001	142	65018	19.891	ug/l		98
11) Tert butyl alcohol	4.872	59	19585	89.565	ug/l	#	100
12) 1,1-Dichloroethene	3.787	96	56630	20.206	ug/l		98
13) Acrolein	3.653	56	30106	94.178	ug/l		91
14) Allyl chloride	4.385	41	99483	20.244	ug/l		100
15) Acrylonitrile	5.061	53	60119	93.456	ug/l		100
16) Acetone	3.873	43	50198	93.491	ug/l		96
17) Carbon Disulfide	4.104	76	184860	20.228	ug/l		99
18) Methyl Acetate	4.391	43	29969	18.344	ug/l		96
19) Methyl tert-butyl Ether	5.116	73	145976	18.890	ug/l		100
20) Methylene Chloride	4.616	84	67687	19.510	ug/l		99
21) trans-1,2-Dichloroethene	5.116	96	63174	20.422	ug/l		97
22) Diisopropyl ether	6.019	45	202960	19.558	ug/l		99
23) Vinyl Acetate	5.958	43	594019	94.748	ug/l		99
24) 1,1-Dichloroethane	5.915	63	115217	19.873	ug/l		99
25) 2-Butanone	6.896	43	82768	92.157	ug/l		93
26) 2,2-Dichloropropane	6.890	77	101725	19.727	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	70008	19.611	ug/l		98
28) Bromochloromethane	7.244	49	48933	19.787	ug/l		100
29) Tetrahydrofuran	7.262	42	53229	92.122	ug/l		98
30) Chloroform	7.421	83	111815	20.107	ug/l		98
31) Cyclohexane	7.695	56	112876	19.486	ug/l		97
32) 1,1,1-Trichloroethane	7.616	97	100618	19.721	ug/l		100
36) 1,1-Dichloropropene	7.835	75	85789	19.841	ug/l		99
37) Ethyl Acetate	6.988	43	38482	18.497	ug/l		99
38) Carbon Tetrachloride	7.817	117	86871	19.410	ug/l		98
39) Methylcyclohexane	9.109	83	113511	19.540	ug/l		98
40) Benzene	8.079	78	252507	19.700	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.213	41	26008m	17.085 ug/l		
42) 1,2-Dichloroethane	8.158	62	66525	19.192 ug/l		99
43) Isopropyl Acetate	8.201	43	84532	18.631 ug/l		97
44) Trichloroethene	8.866	130	63438	19.904 ug/l		96
45) 1,2-Dichloropropane	9.140	63	60438	19.557 ug/l		100
46) Dibromomethane	9.231	93	31752	19.050 ug/l		99
47) Bromodichloromethane	9.426	83	83823	19.385 ug/l		96
48) Methyl methacrylate	9.219	41	39387	18.563 ug/l		99
49) 1,4-Dioxane	9.237	88	7312	388.323 ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	202454	90.940 ug/l		99
52) Toluene	10.170	92	156498	19.281 ug/l		100
53) t-1,3-Dichloropropene	10.396	75	80413	19.056 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	94074	19.458 ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	40872	19.149 ug/l		99
56) Ethyl methacrylate	10.438	69	62193	18.706 ug/l		97
57) 1,3-Dichloropropane	10.713	76	72715	19.175 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.707	63	126240	84.595 ug/l		99
59) 2-Hexanone	10.762	43	132496	88.766 ug/l		100
60) Dibromochloromethane	10.914	129	52353	18.898 ug/l		98
61) 1,2-Dibromoethane	11.012	107	37735	18.969 ug/l		99
64) Tetrachloroethene	10.646	164	69548	20.332 ug/l		98
65) Chlorobenzene	11.438	112	163725	19.610 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	55078	19.189 ug/l		98
67) Ethyl Benzene	11.518	91	303375	19.402 ug/l		99
68) m/p-Xylenes	11.627	106	225990	38.355 ug/l		100
69) o-Xylene	11.956	106	106998	19.194 ug/l		100
70) Styrene	11.969	104	179114	19.048 ug/l		99
71) Bromoform	12.133	173	28788	18.582 ug/l	#	98
73) Isopropylbenzene	12.255	105	282895	19.795 ug/l		100
74) N-amyl acetate	12.072	43	76841	18.799 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40064	18.228 ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	35574m	11.701 ug/l		
77) Bromobenzene	12.530	156	58515	19.170 ug/l		99
78) n-propylbenzene	12.597	91	338383	19.630 ug/l		99
79) 2-Chlorotoluene	12.682	91	185872	19.621 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	225966	19.587 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	16653	19.302 ug/l		97
82) 4-Chlorotoluene	12.779	91	189350	19.433 ug/l		100
83) tert-Butylbenzene	12.999	119	200101	19.515 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	221194	19.315 ug/l		98
85) sec-Butylbenzene	13.176	105	297975	19.576 ug/l		100
86) p-Isopropyltoluene	13.292	119	246569	19.261 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	118336	18.991 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	117705	19.638 ug/l		99
89) n-Butylbenzene	13.615	91	240857	19.887 ug/l		99
90) Hexachloroethane	13.877	117	50762	19.643 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	102077	19.502 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6387	18.021 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	58490	19.346 ug/l		99
94) Hexachlorobutadiene	15.023	225	34228	20.301 ug/l		100
95) Naphthalene	15.145	128	105350	18.362 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	48444	18.888 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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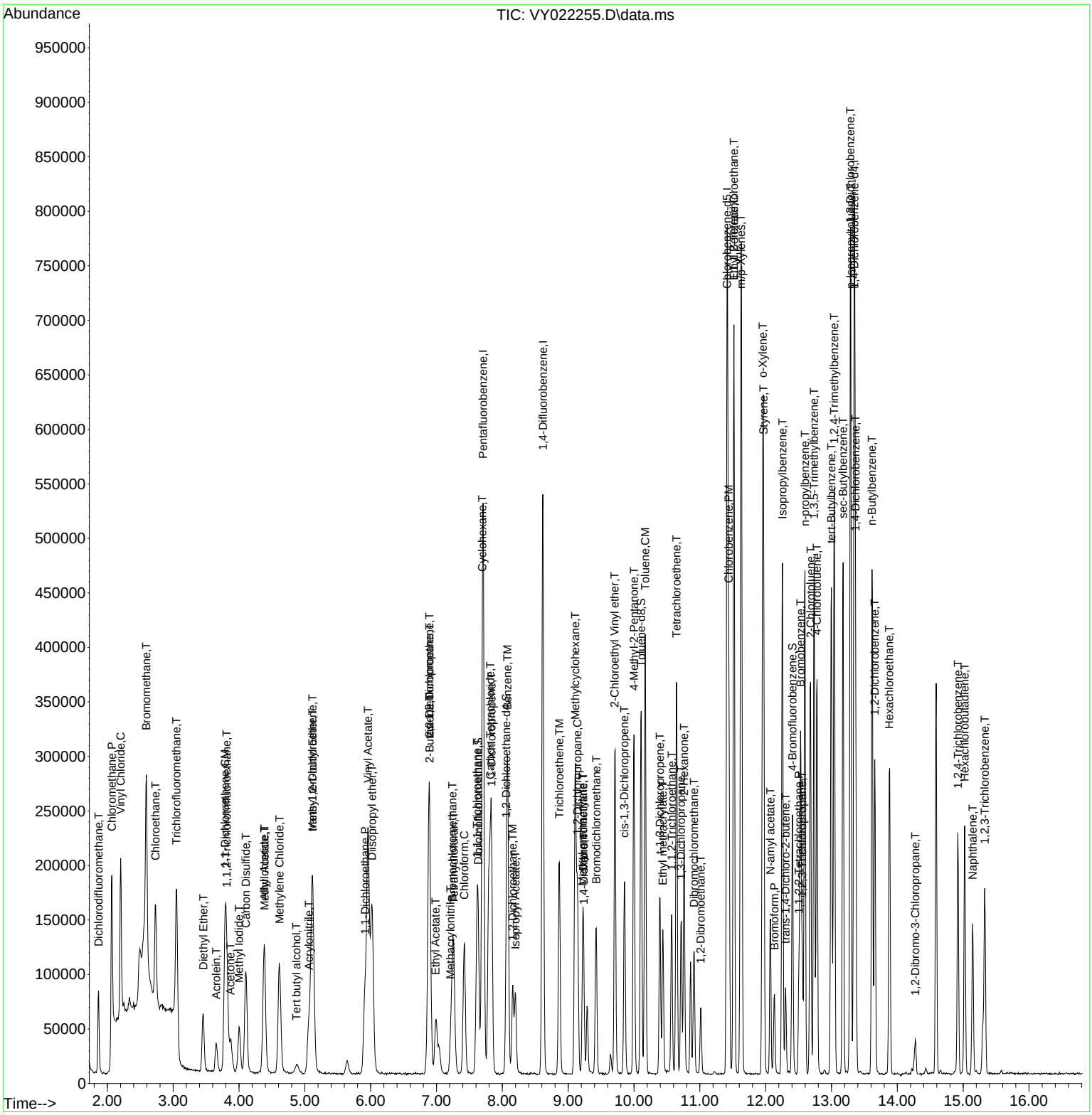
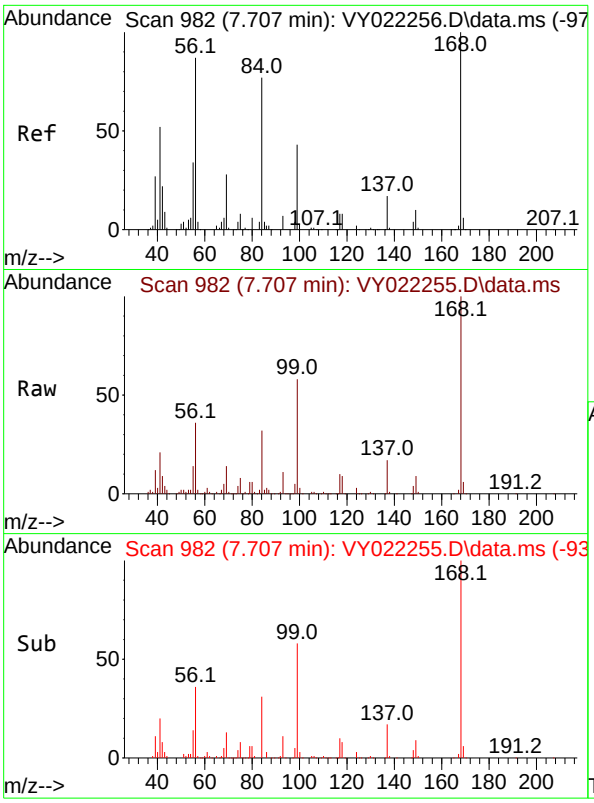




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

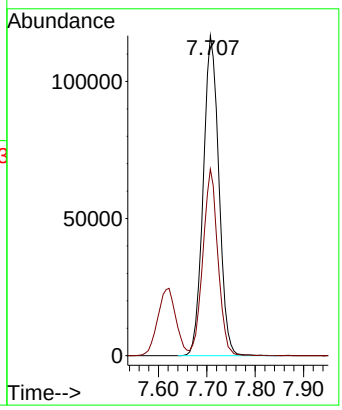
Tgt Ion:168 Resp: 26200

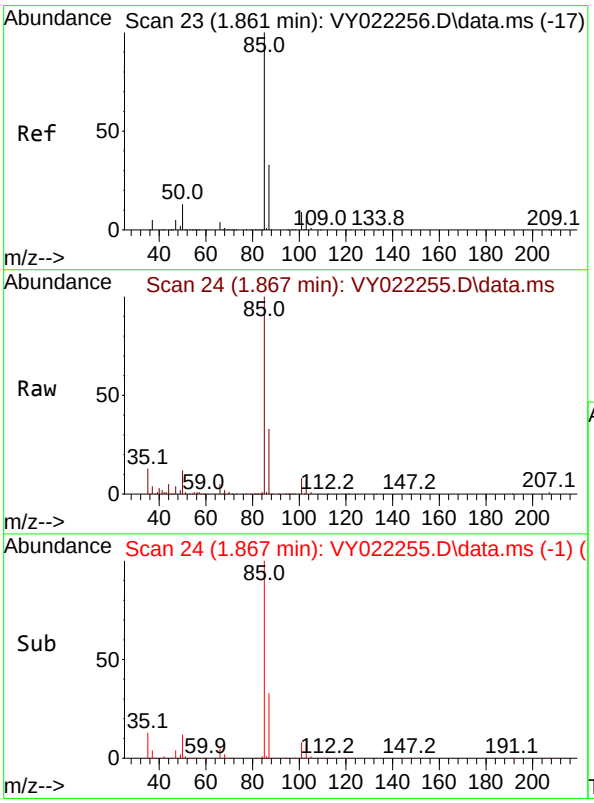
Ion	Ratio	Lower	Upper
168	100		
99	58.3	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

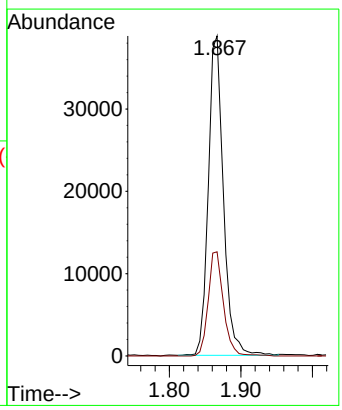


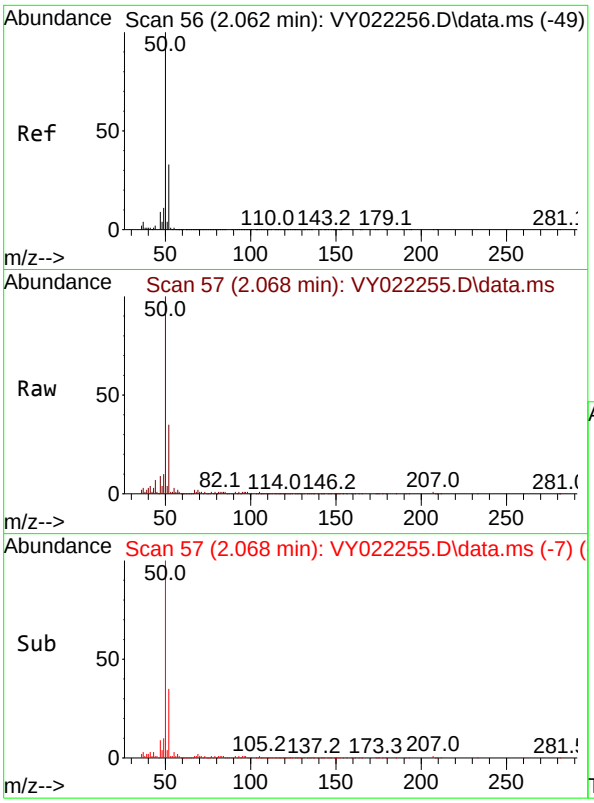


#2
Dichlorodifluoromethane
Concen: 20.753 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 85 Resp: 56737

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5

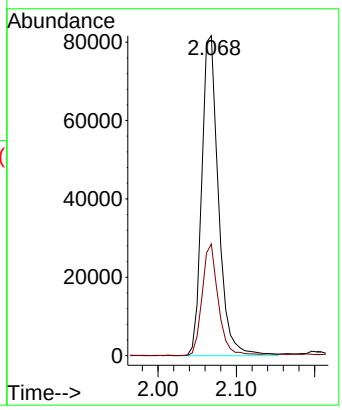




#3
Chloromethane
Concen: 21.008 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 50 Resp: 12081

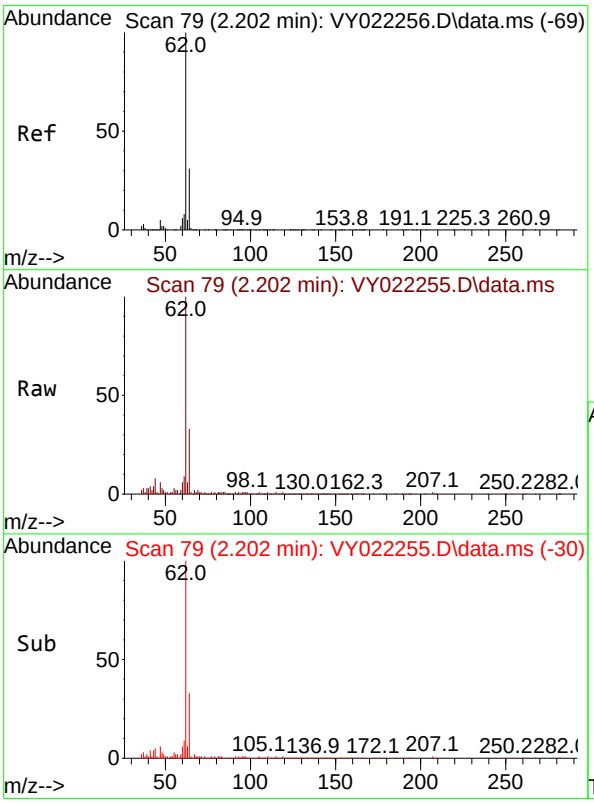
Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

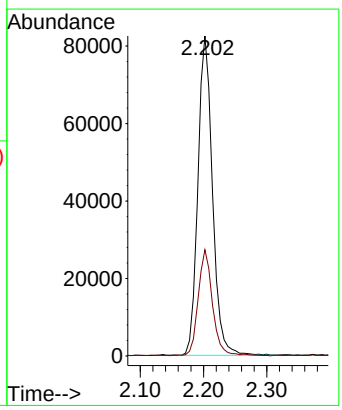
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

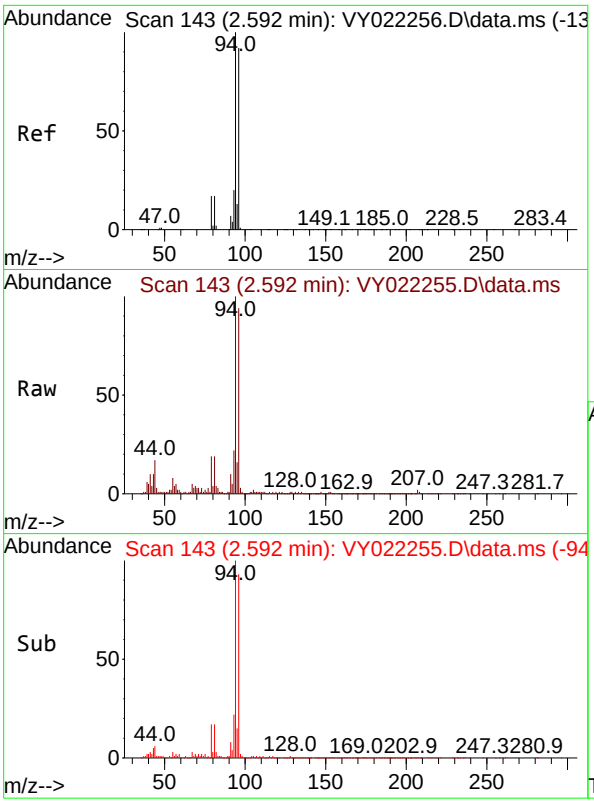


#4
Vinyl Chloride
Concen: 20.623 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 132511

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7

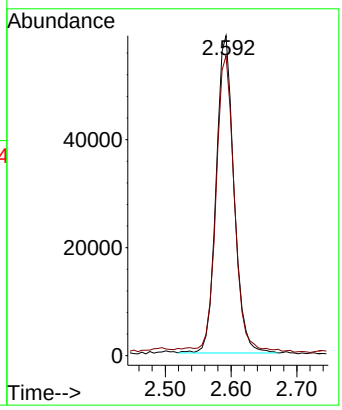




#5
Bromomethane
Concen: 21.194 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 94 Resp: 11085

Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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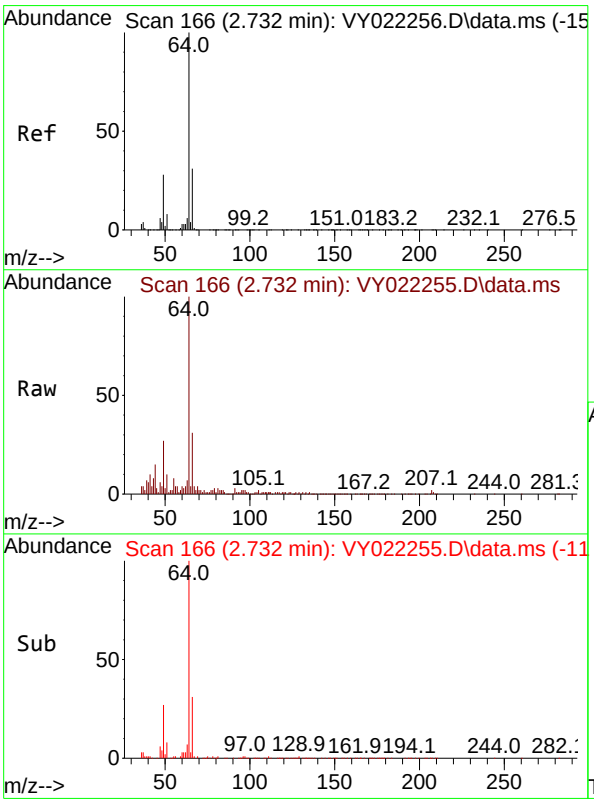
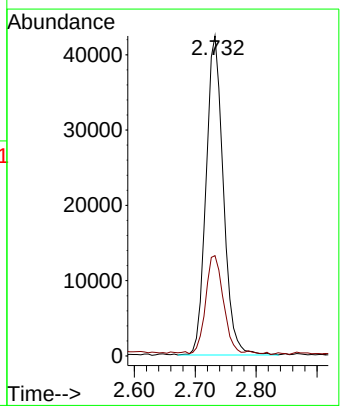
Supervised By :Semsettin Yesilyurt 05/16/2025

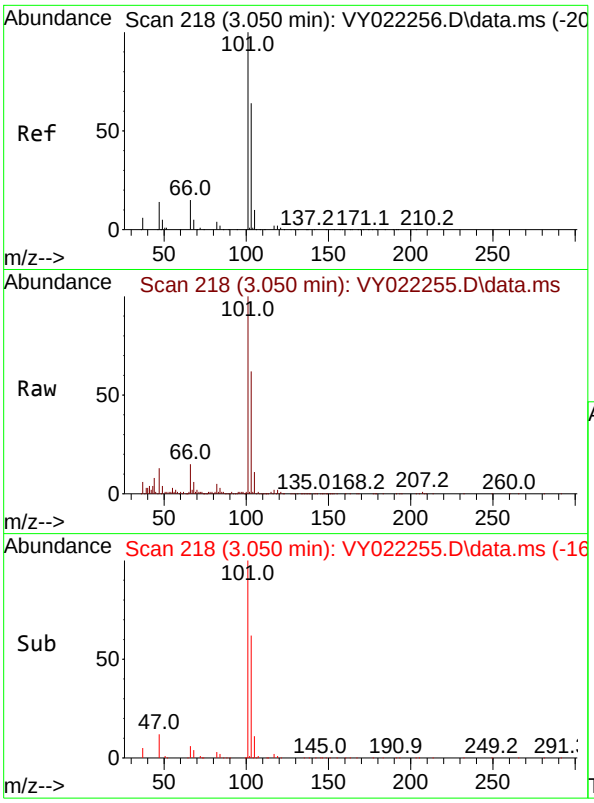


#6
Chloroethane
Concen: 20.877 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 64 Resp: 83451

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.8	37.2

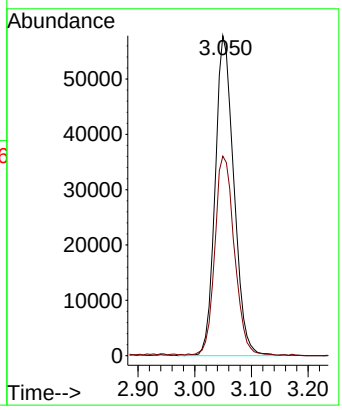




#7
Trichlorofluoromethane
Concen: 20.295 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:101 Resp: 13202

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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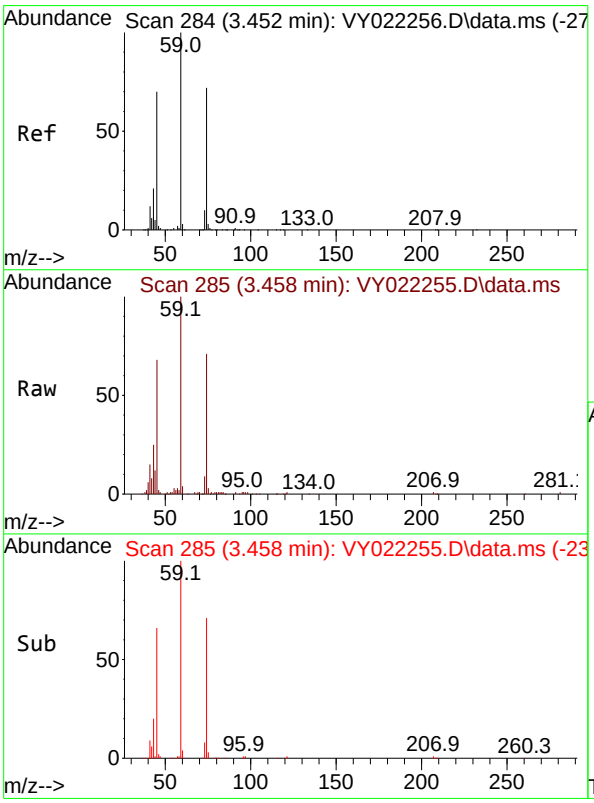
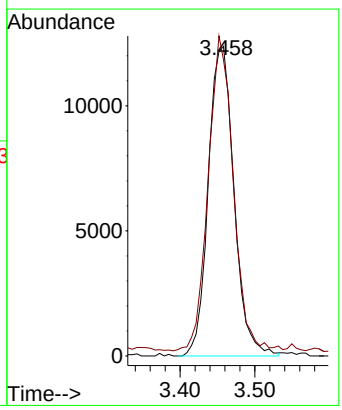
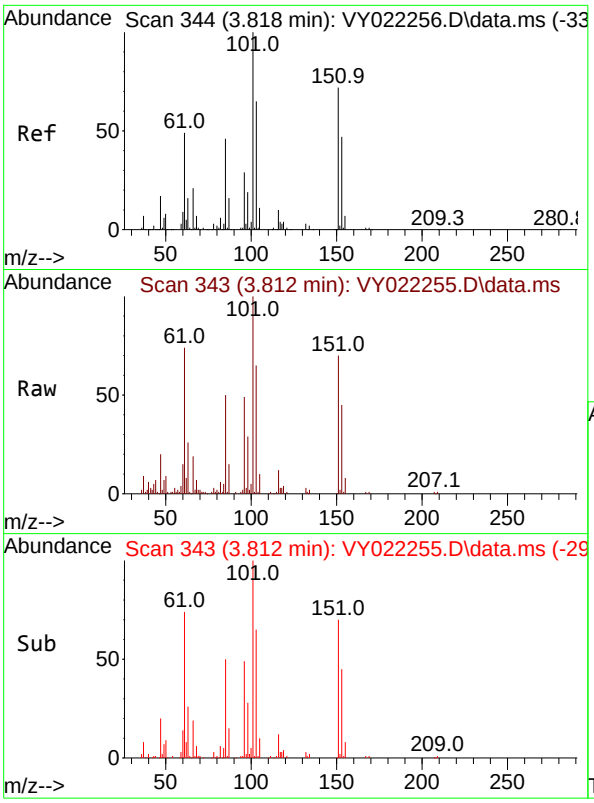


#8
Diethyl Ether
Concen: 18.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 74 Resp: 29651

Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.6	145.8

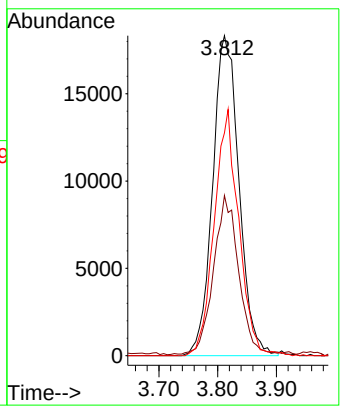




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.187 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:101 Resp: 5701

Ion	Ratio	Lower	Upper
101	100		
85	47.7	38.6	58.0
151	71.9	59.7	89.5



Instrument :
MSVOA_Y
ClientSampleId :
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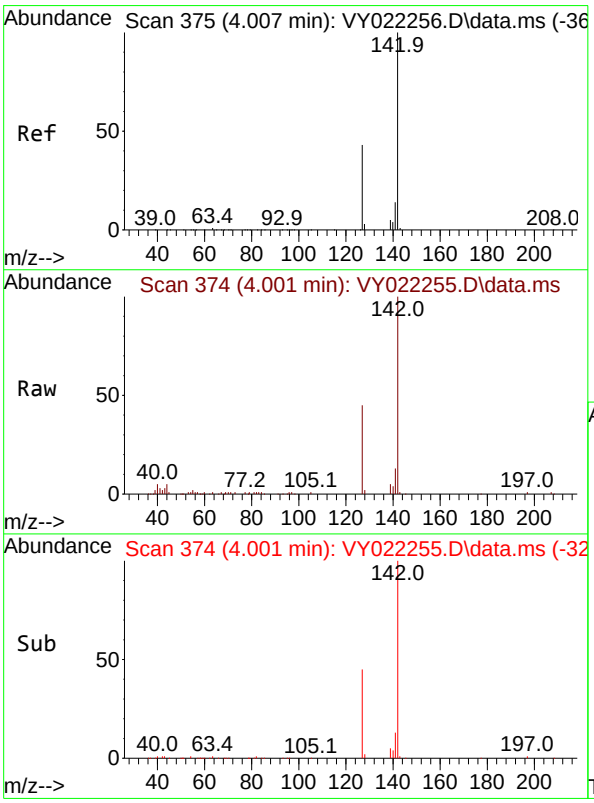
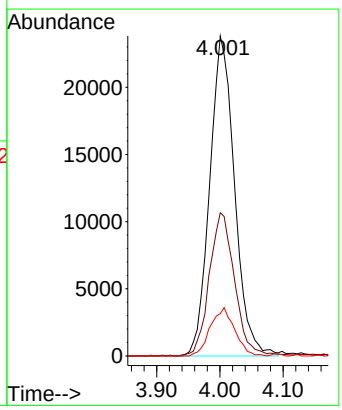
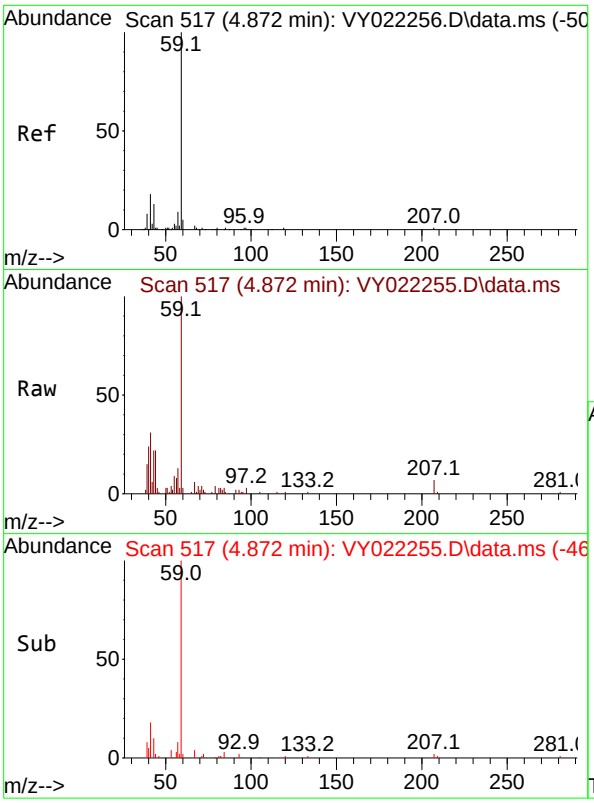


#10
Methyl Iodide
Concen: 19.891 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:142 Resp: 65018

Ion	Ratio	Lower	Upper
142	100		
127	45.5	35.7	53.5
141	14.8	11.1	16.7

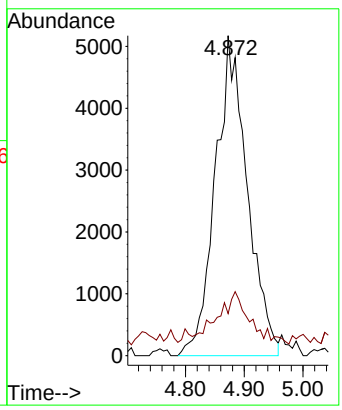




#11
Tert butyl alcohol
Concen: 89.565 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 59 Resp: 1958

Ion	Ratio	Lower	Upper
59	100		
57	16.5	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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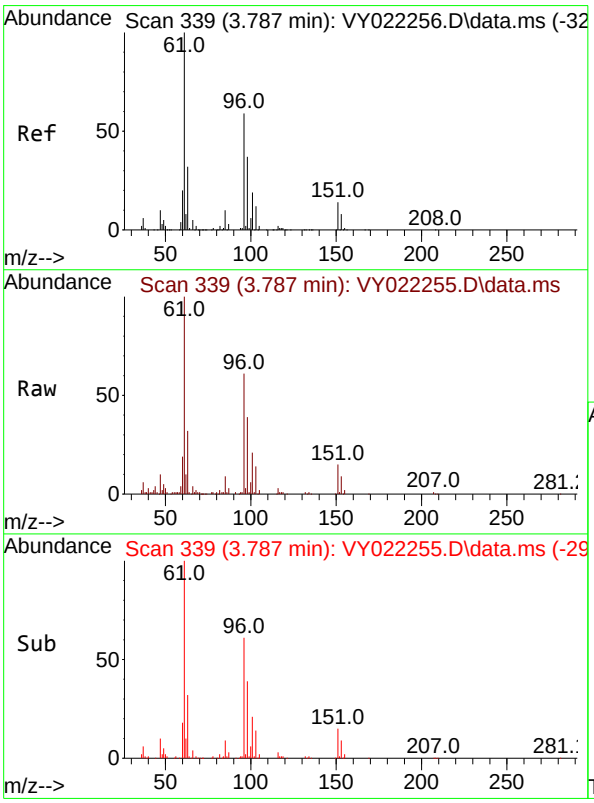
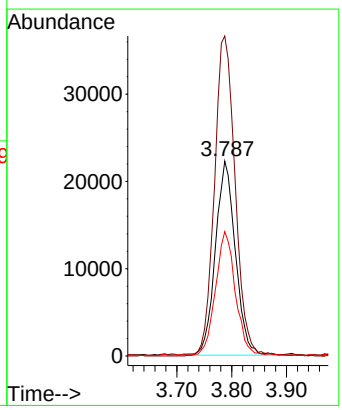
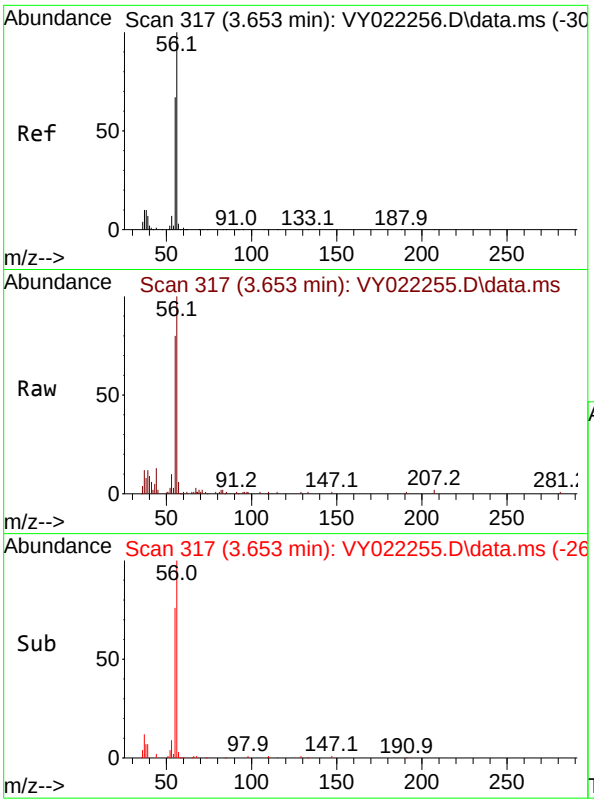


#12
1,1-Dichloroethene
Concen: 20.206 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 56630

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.9	202.3
98	63.5	49.9	74.9

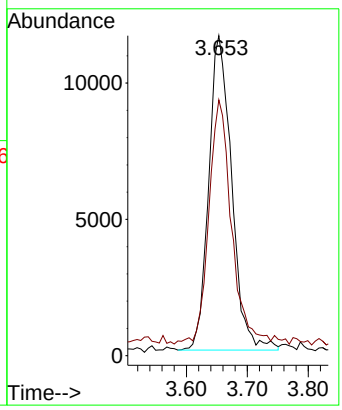




#13
Acrolein
Concen: 94.178 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 56 Resp: 3010

Ion	Ratio	Lower	Upper
56	100		
55	76.6	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
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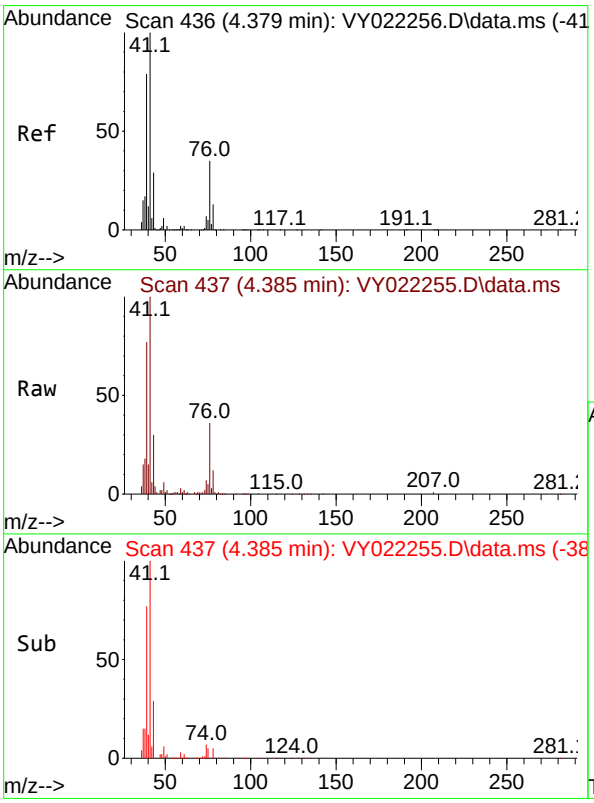
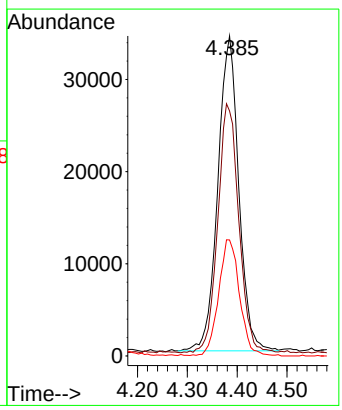
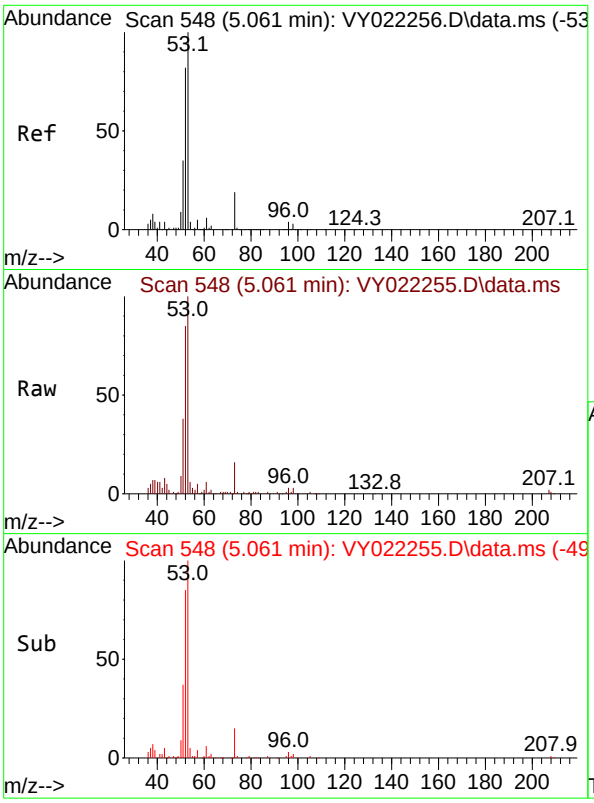


#14
Allyl chloride
Concen: 20.244 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 99483

Ion	Ratio	Lower	Upper
41	100		
39	79.7	63.4	95.0
76	37.1	29.5	44.3





#15
Acrylonitrile
Concen: 93.456 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 53 Resp: 6011

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	37.6	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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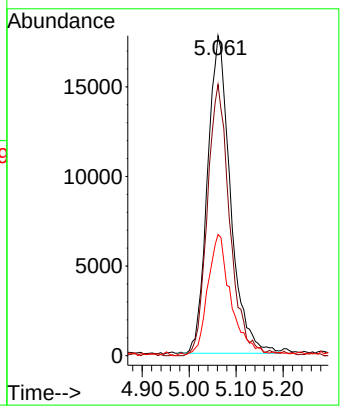
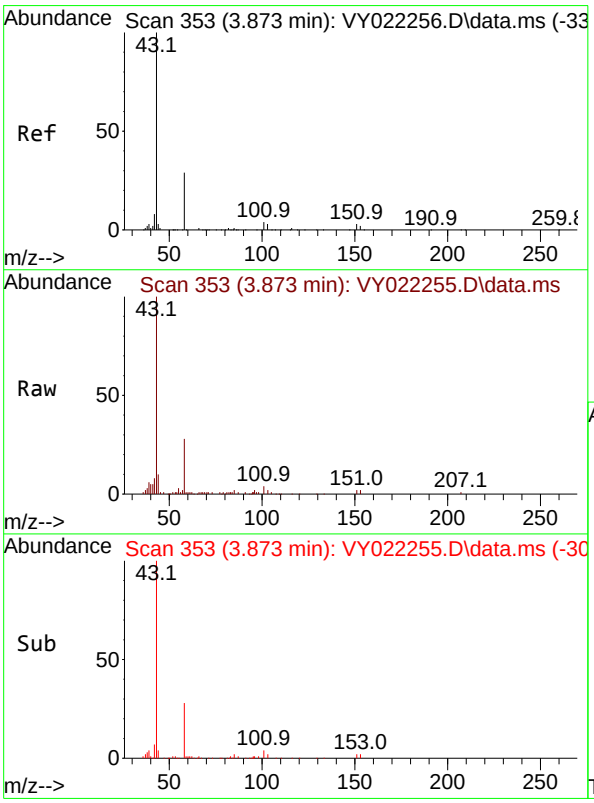
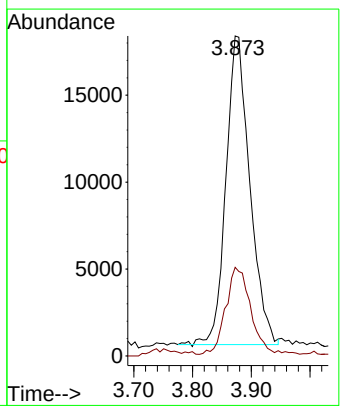


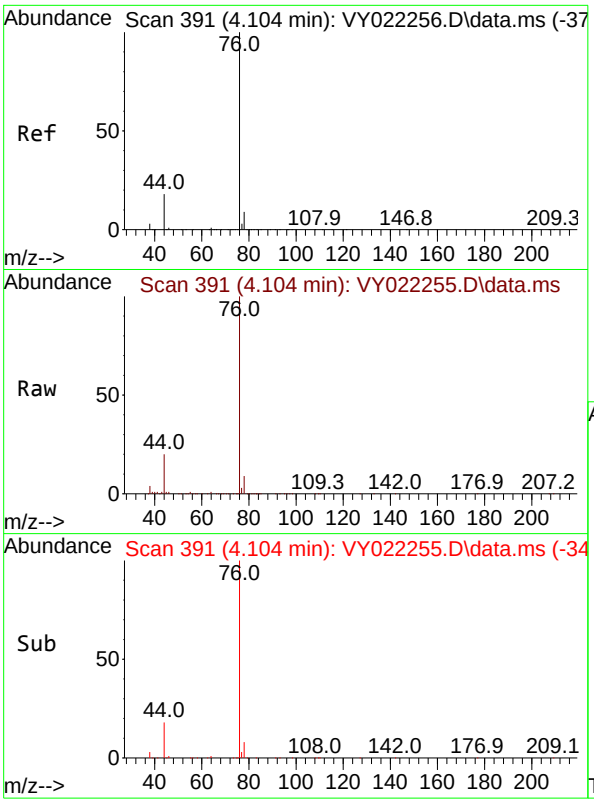


#16
Acetone
Concen: 93.491 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 50198

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.6	35.4





#17
Carbon Disulfide
Concen: 20.228 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 76 Resp: 18486

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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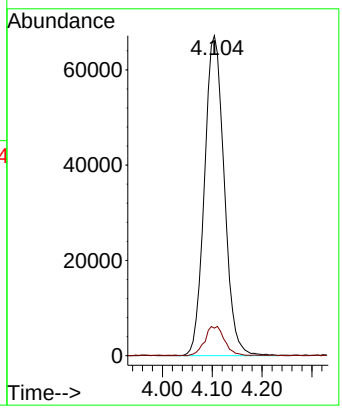
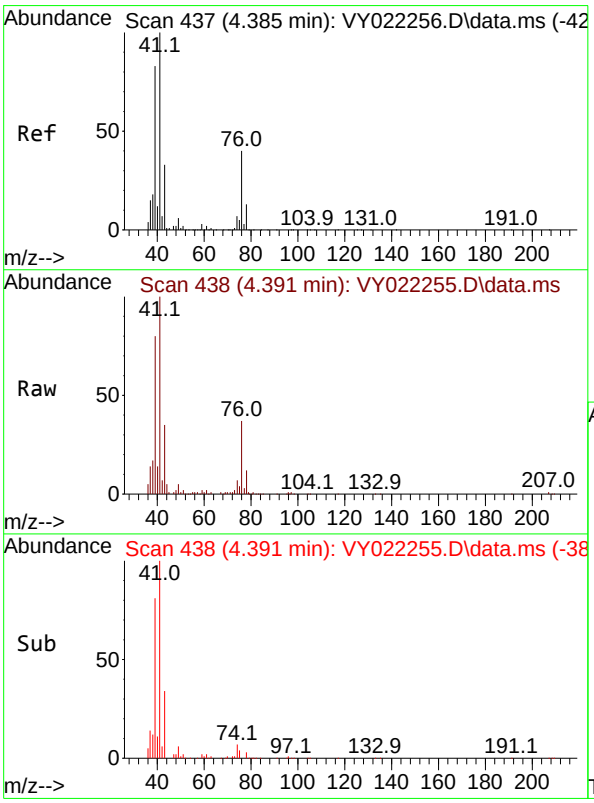
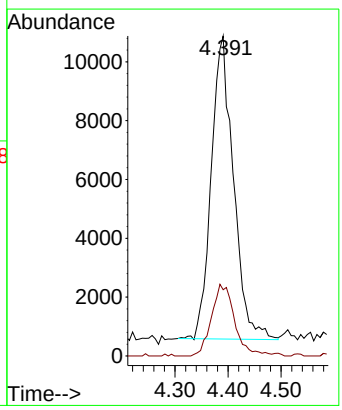


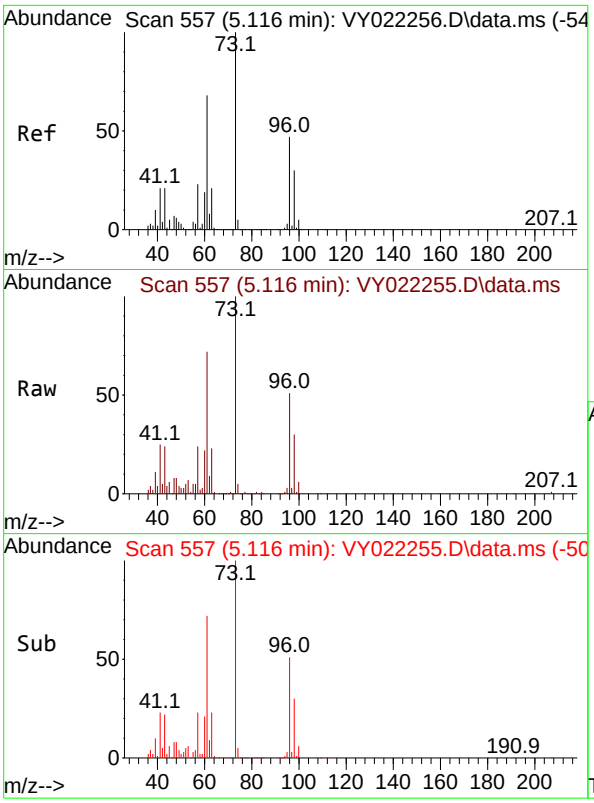


#18
Methyl Acetate
Concen: 18.344 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 29969

Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.2	27.4

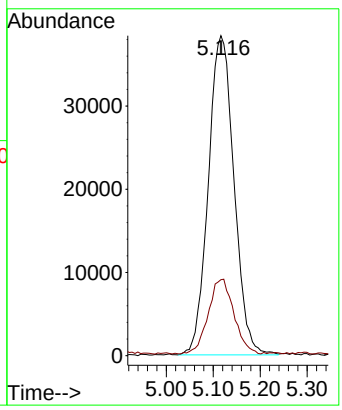




#19
Methyl tert-butyl Ether
Concen: 18.890 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 73 Resp: 14597

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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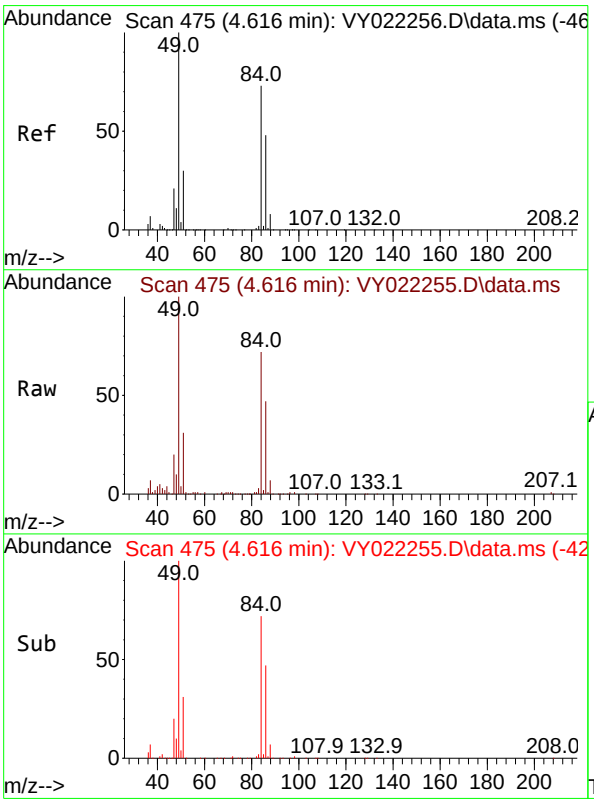
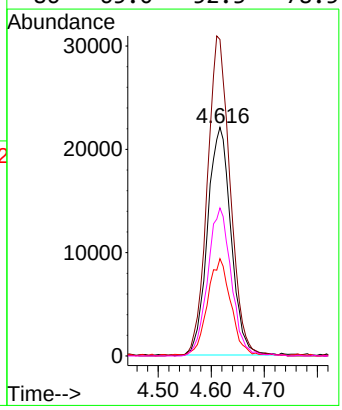
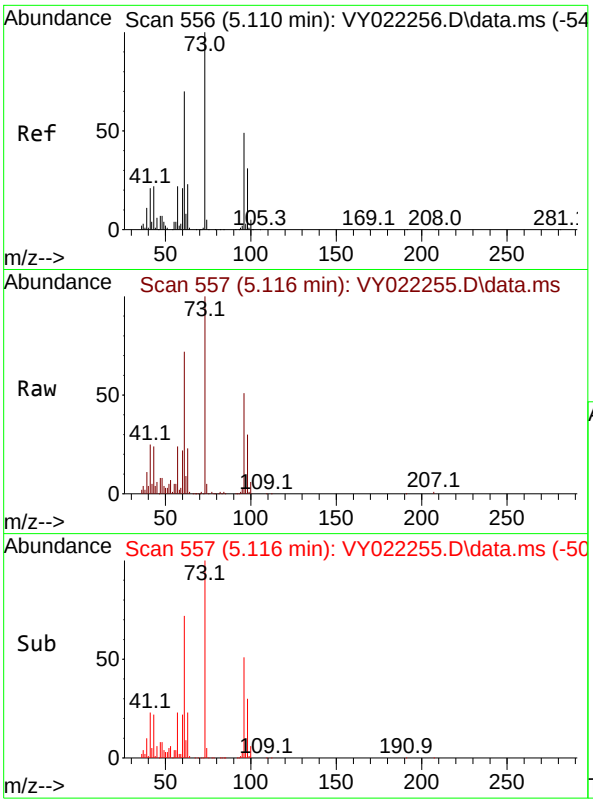


#20
Methylene Chloride
Concen: 19.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 84 Resp: 67687

Ion	Ratio	Lower	Upper
84	100		
49	138.7	109.6	164.4
51	42.3	32.4	48.6
86	65.0	52.3	78.5

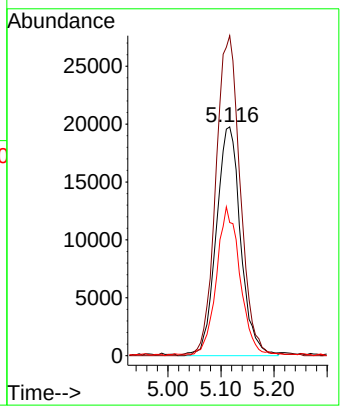




#21
trans-1,2-Dichloroethene
Concen: 20.422 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 6317

Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.4	170.0
98	57.5	50.9	76.3



Instrument :
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ClientSampleId :
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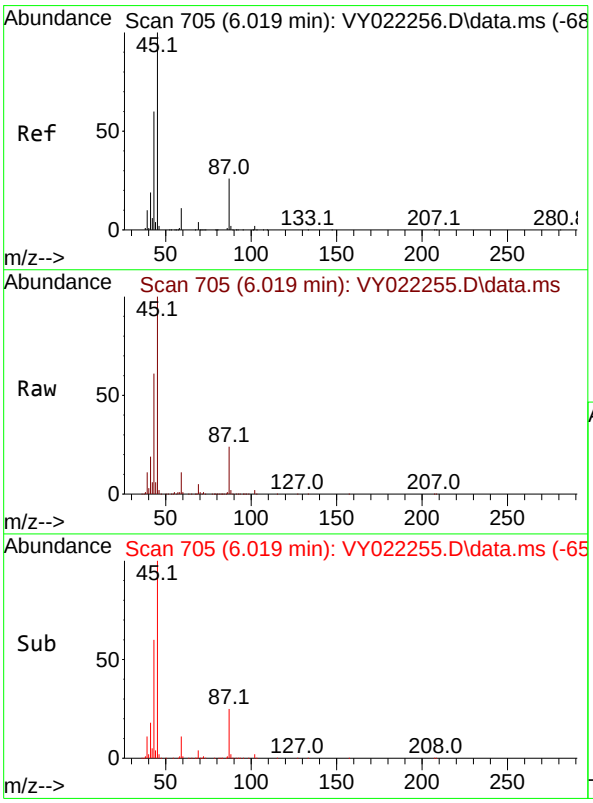
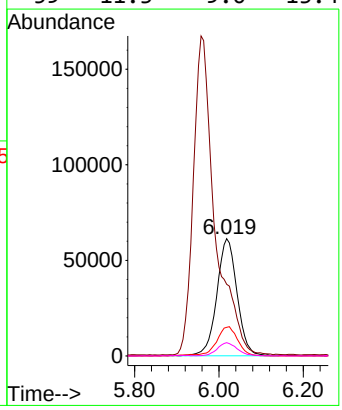
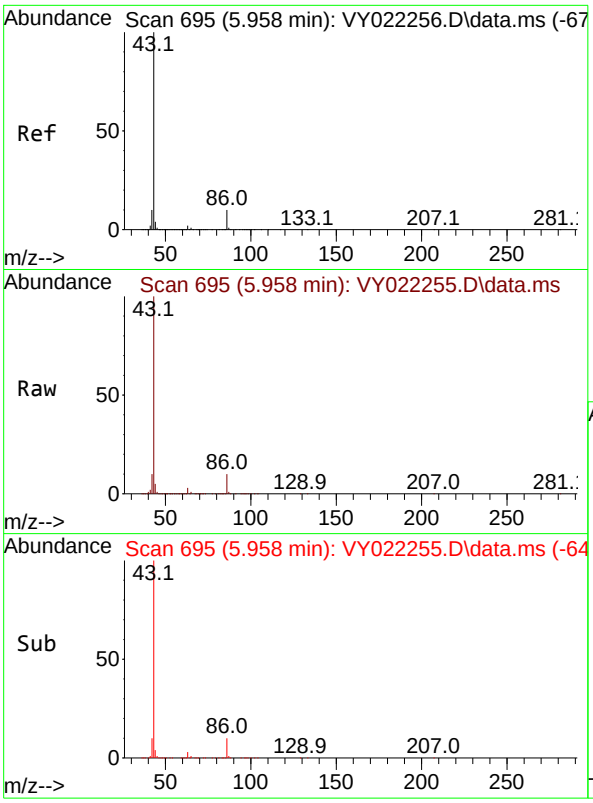


#22
Diisopropyl ether
Concen: 19.558 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 45 Resp: 202960

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	24.5	21.4	32.0
59	11.3	9.0	13.4

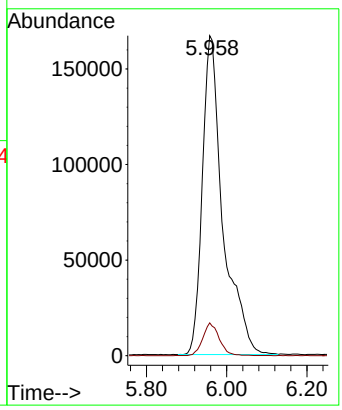




#23
Vinyl Acetate
Concen: 94.748 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 59401

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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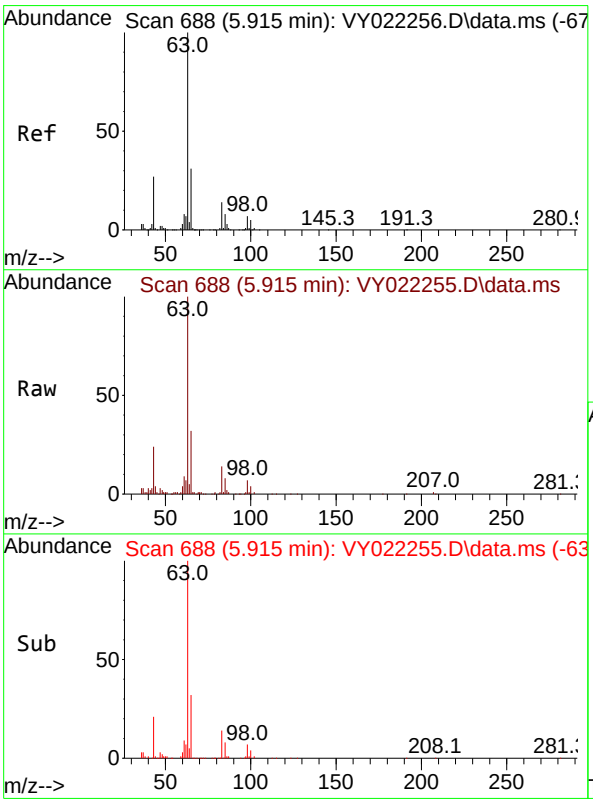
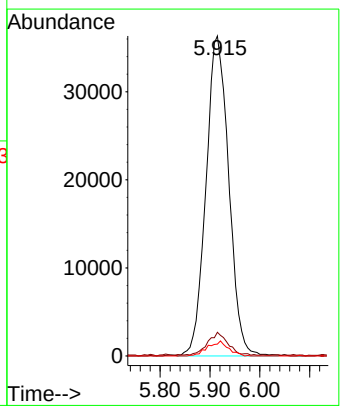
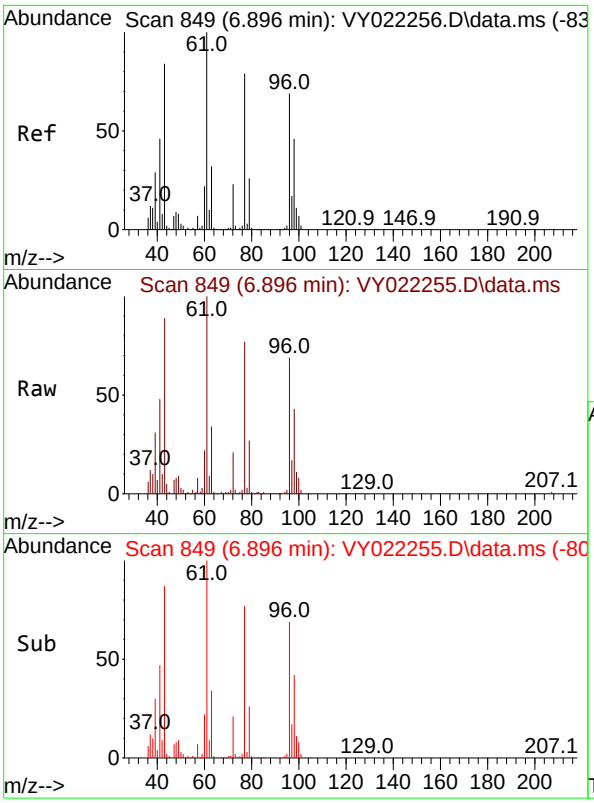


#24
1,1-Dichloroethane
Concen: 19.873 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 115217

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	3.7	2.4	7.2





#25
2-Butanone
Concen: 92.157 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 8276

Ion	Ratio	Lower	Upper
43	100		
72	24.1	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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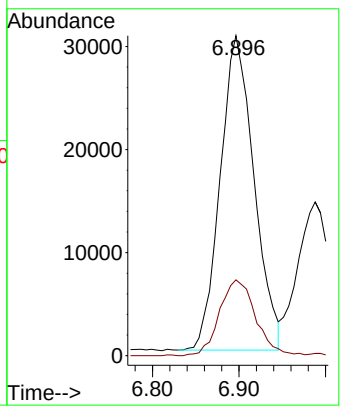
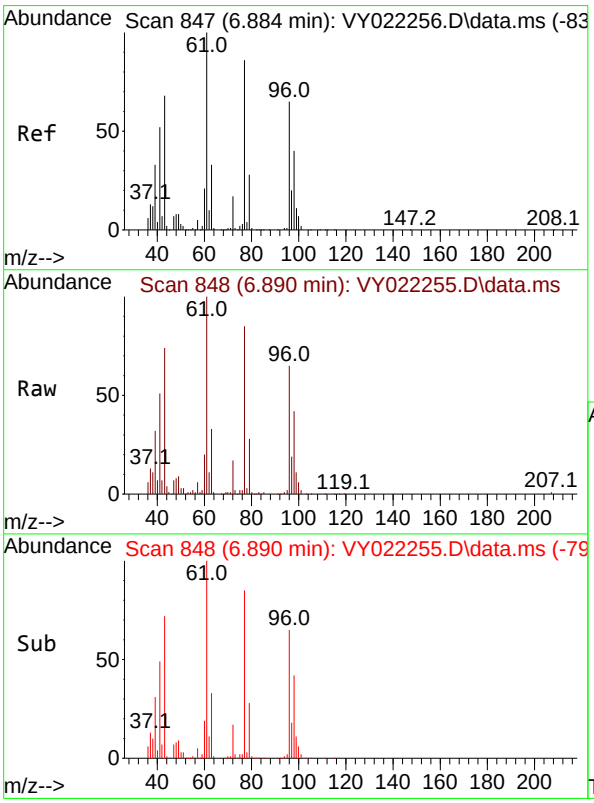
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

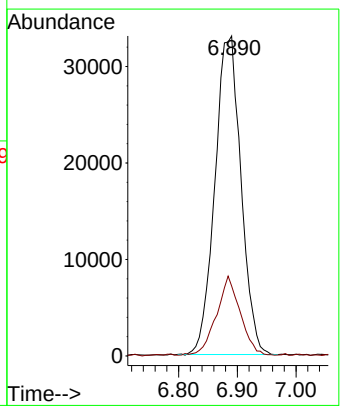


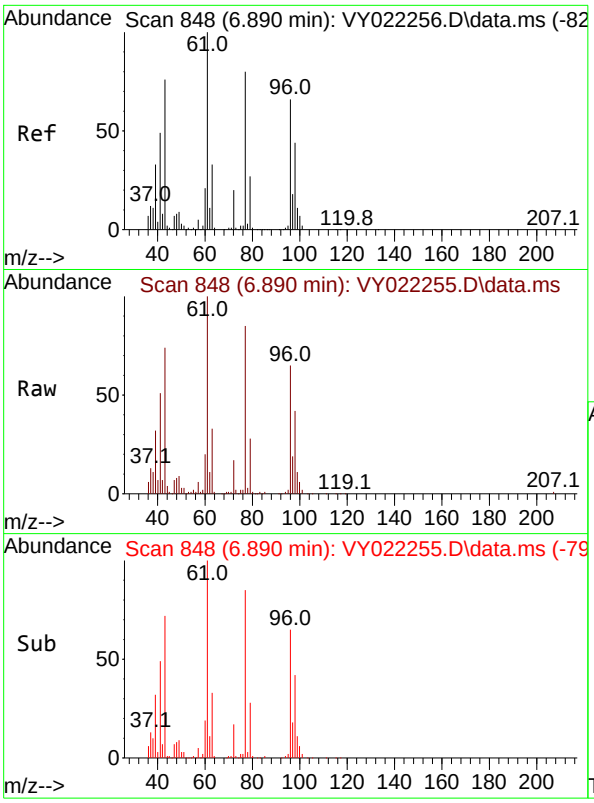


#26
2,2-Dichloropropane
Concen: 19.727 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 77 Resp: 101725

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.5

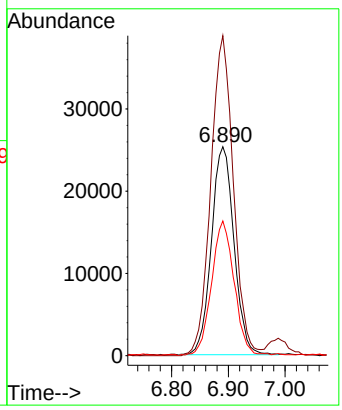




#27
cis-1,2-Dichloroethene
Concen: 19.611 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 7000

Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	302.6
98	64.1	0.0	128.8



Instrument :
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ClientSampleId :
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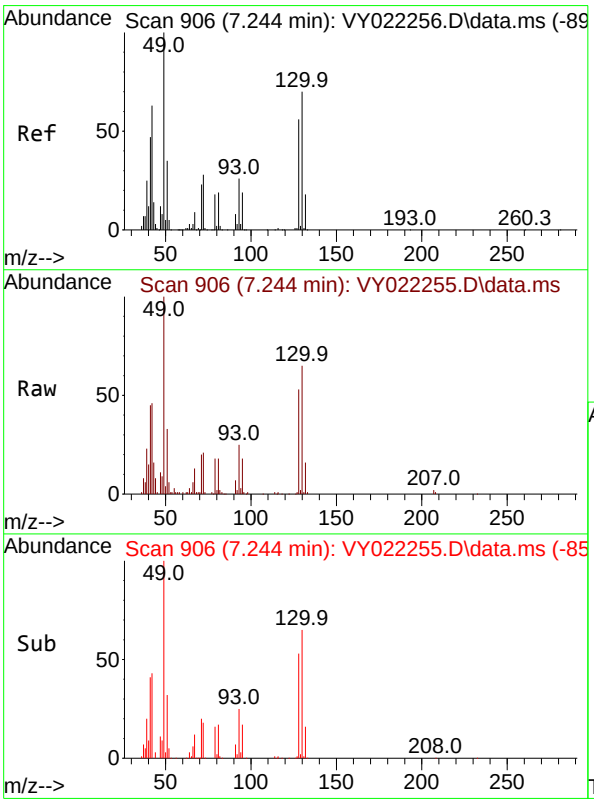
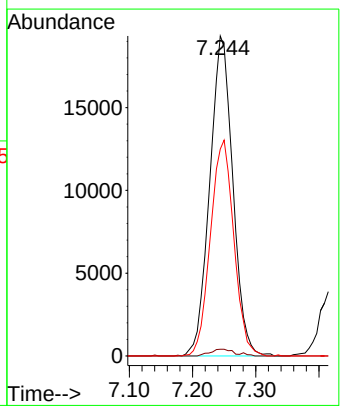
Supervised By :Semsettin Yesilyurt 05/16/2025

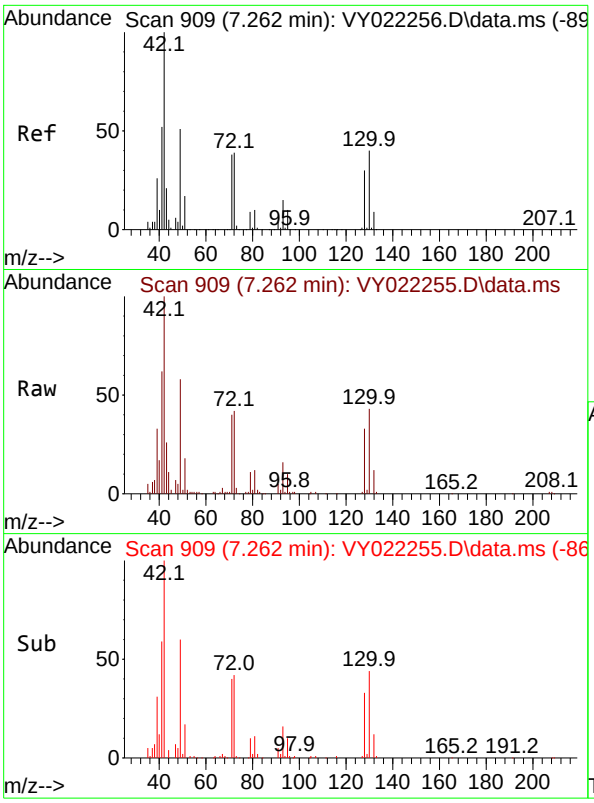


#28
Bromochloromethane
Concen: 19.787 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 49 Resp: 48933

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	68.4	54.7	82.1

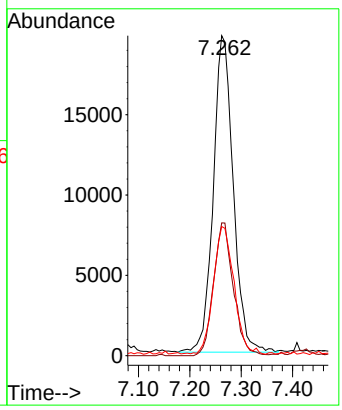




#29
Tetrahydrofuran
Concen: 92.122 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 42 Resp: 5322

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	41.5	31.5	47.3



Instrument :
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ClientSampleId :
VSTDICC020

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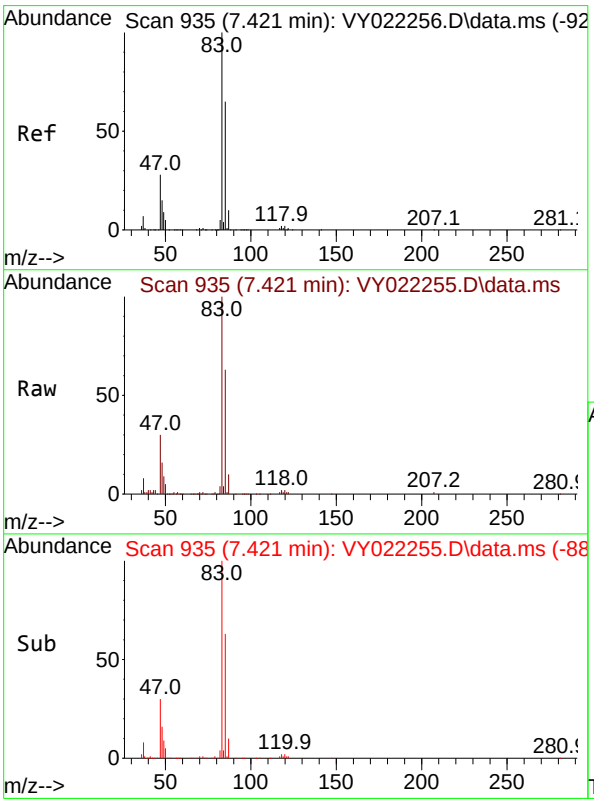
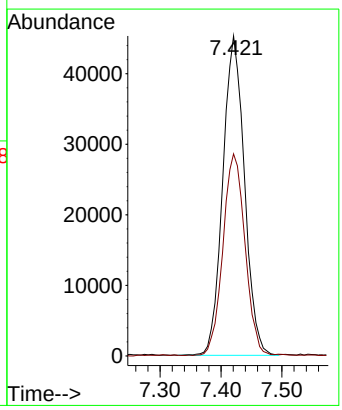
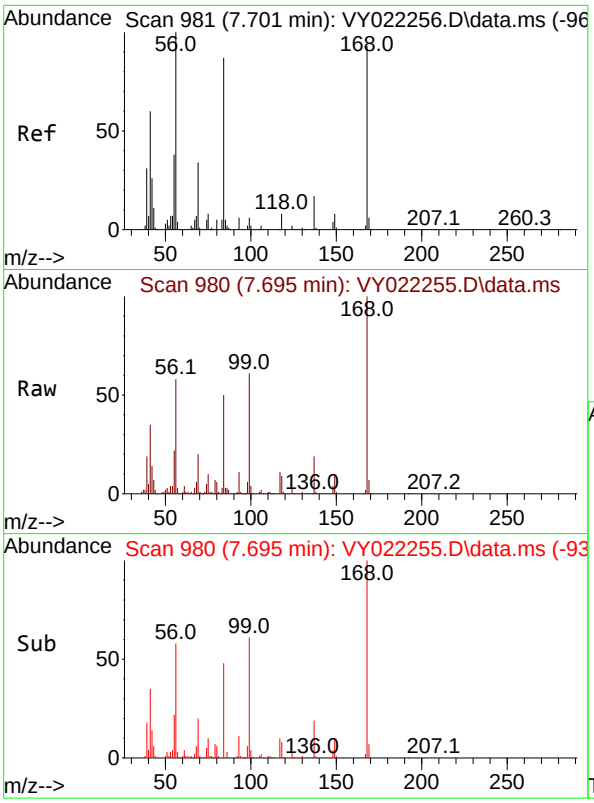


#30
Chloroform
Concen: 20.107 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 111815

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8

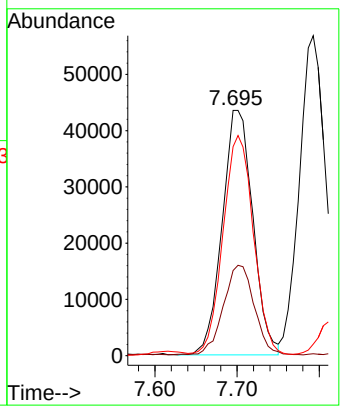




#31
Cyclohexane
Concen: 19.486 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 56 Resp: 11287

Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.4	41.2
84	84.0	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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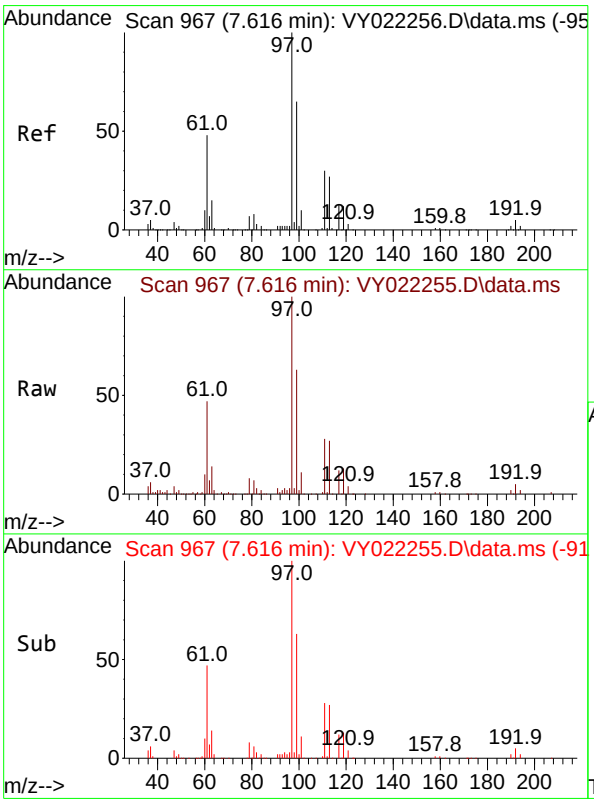
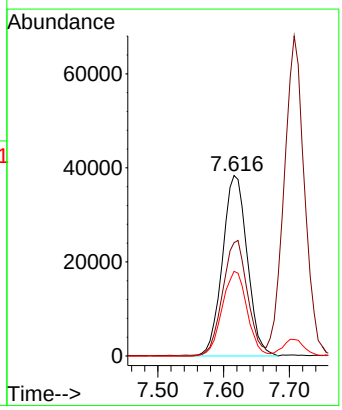
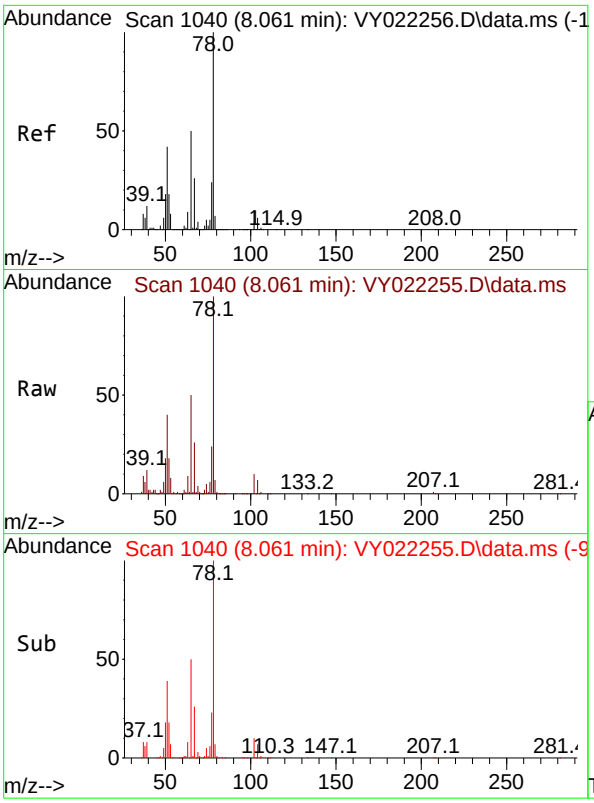


#32
1,1,1-Trichloroethane
Concen: 19.721 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 97 Resp: 100618

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.2	38.1	57.1

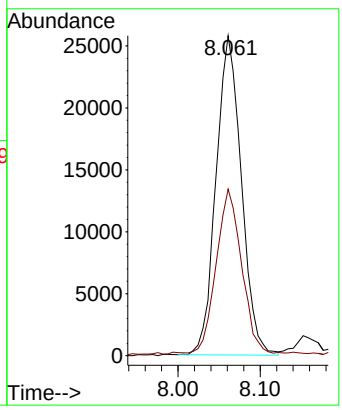




#33
1,2-Dichloroethane-d4
Concen: 19.284 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 65 Resp: 5522

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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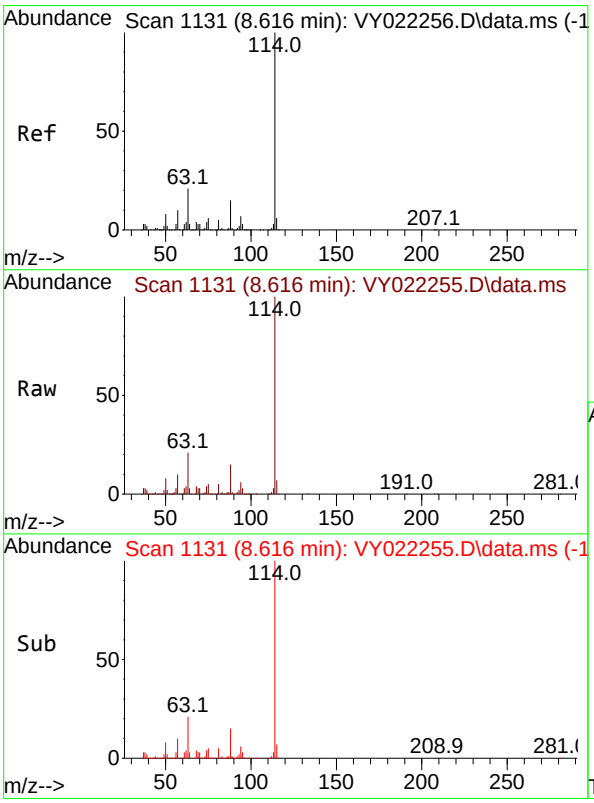
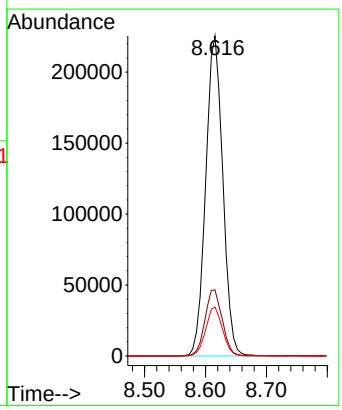
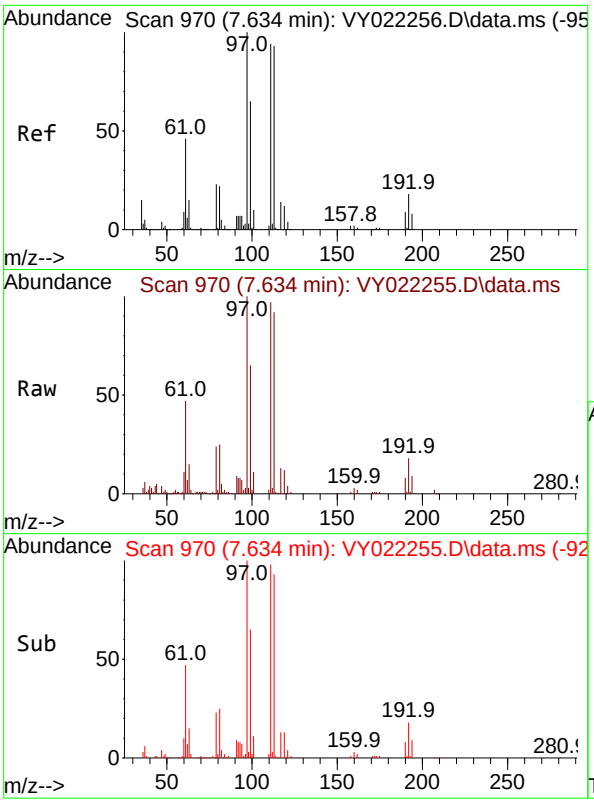


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:114 Resp: 439816

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.3	0.0	29.4

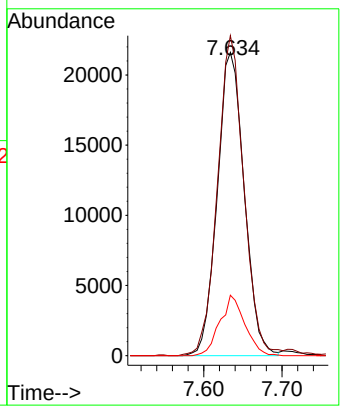




#35
Dibromofluoromethane
Concen: 19.683 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:113 Resp: 5167

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.5	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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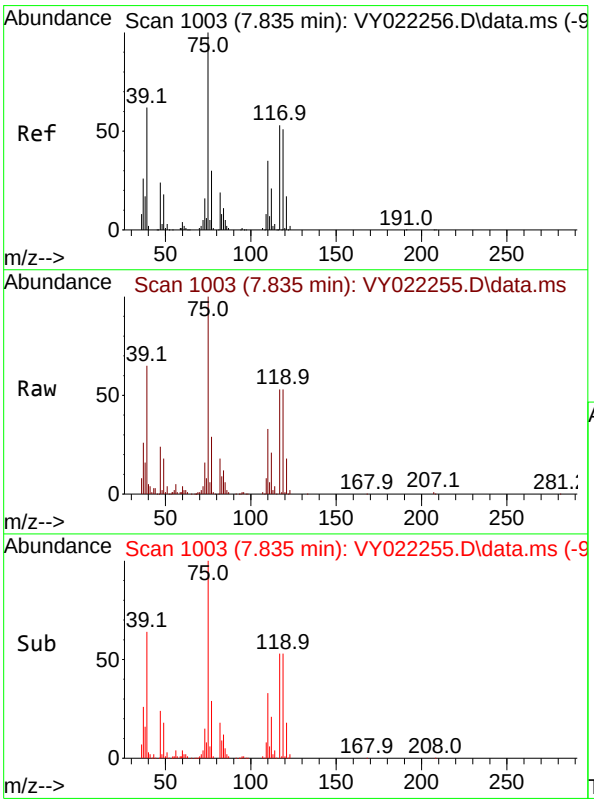
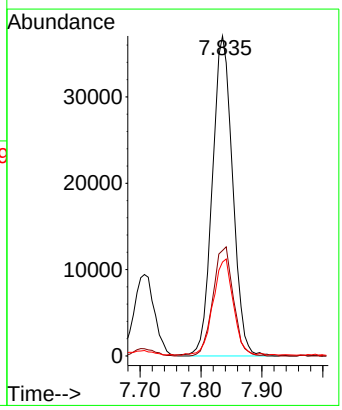
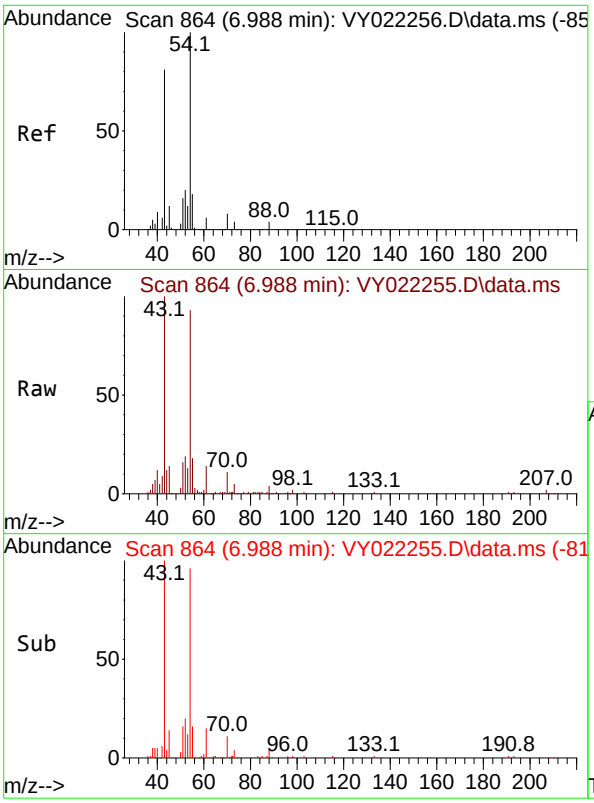


#36
1,1-Dichloropropene
Concen: 19.841 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 85789

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.6	49.8
77	30.2	24.6	37.0





#37
Ethyl Acetate
Concen: 18.497 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 3848

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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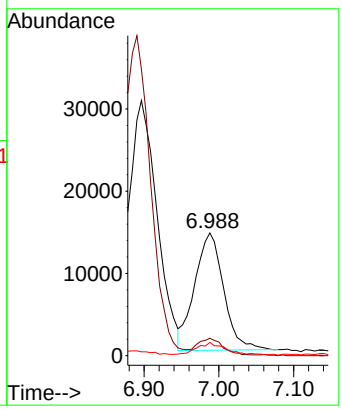
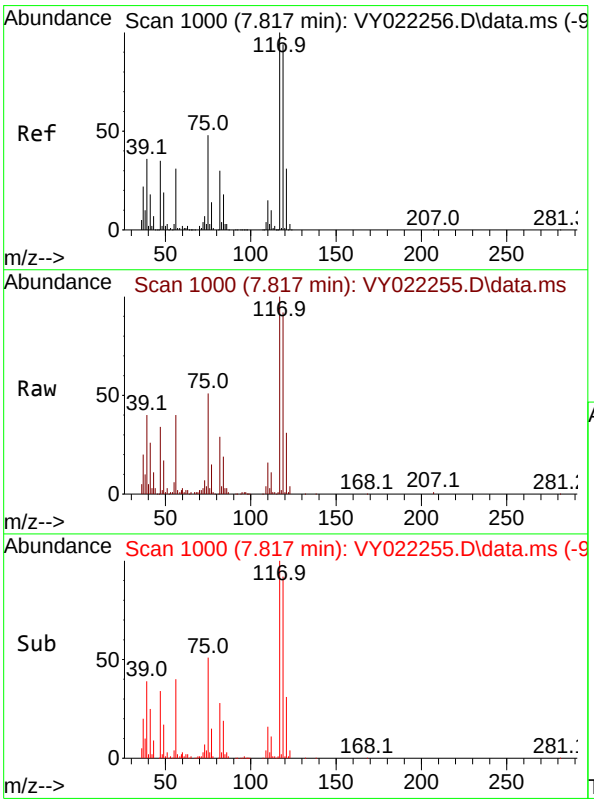
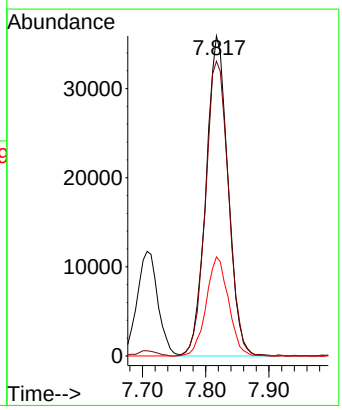


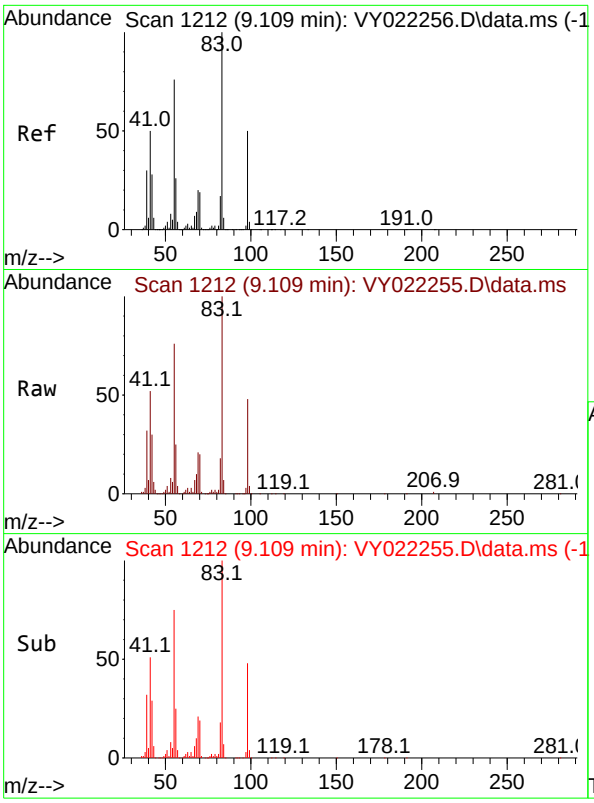


#38
Carbon Tetrachloride
Concen: 19.410 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 86871

Ion	Ratio	Lower	Upper
117	100		
119	91.9	75.3	112.9
121	31.0	24.7	37.1

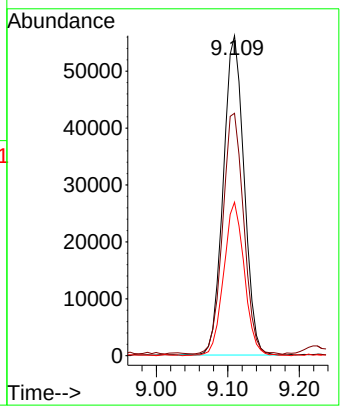




#39
Methylcyclohexane
Concen: 19.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 11351

Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.6	90.8
98	47.9	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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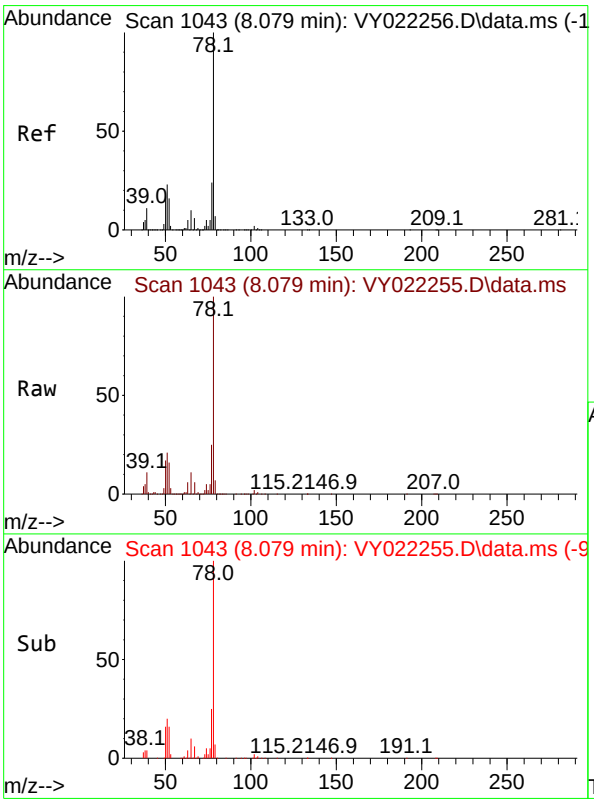
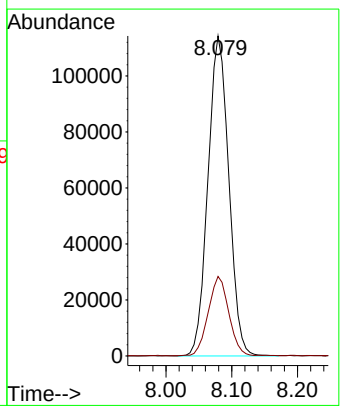
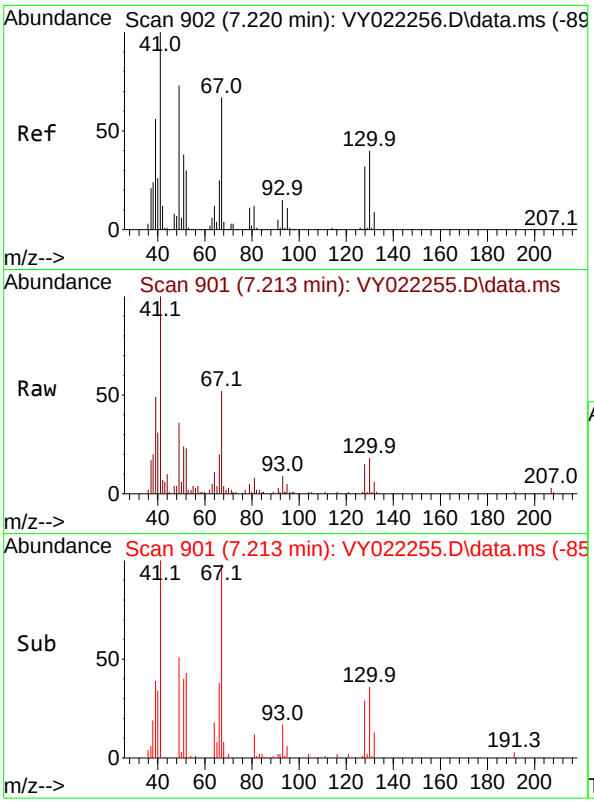


#40
Benzene
Concen: 19.700 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 78 Resp: 252507

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3

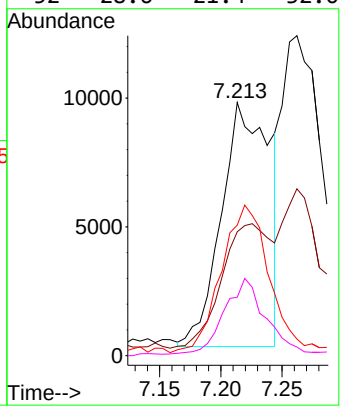




#41
Methacrylonitrile
Concen: 17.085 ug/l m
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 2600

Ion	Ratio	Lower	Upper
41	100		
39	53.1	39.1	58.7
67	60.9	47.1	70.7
52	28.6	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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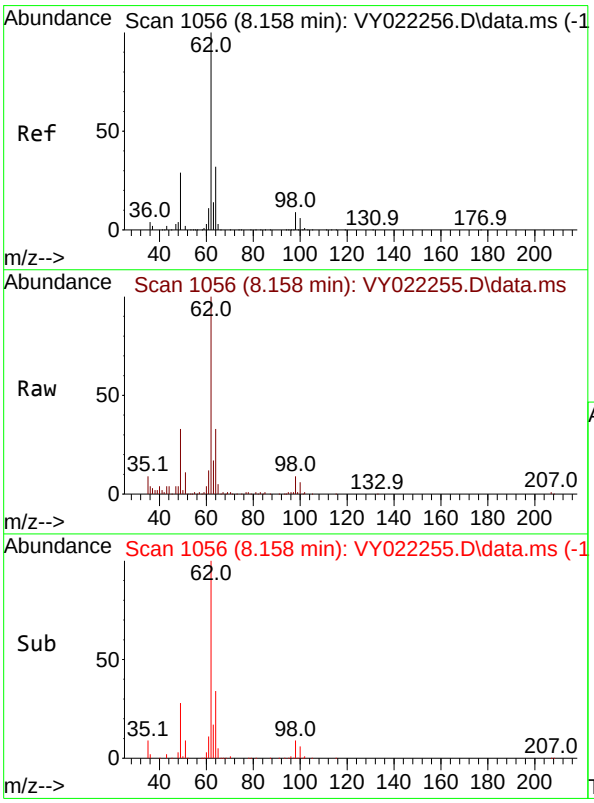
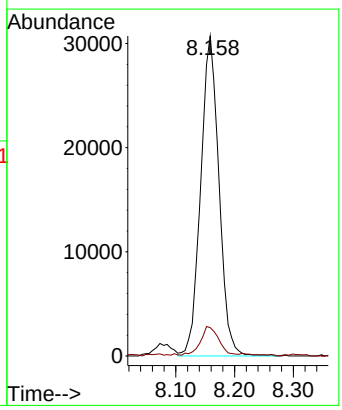
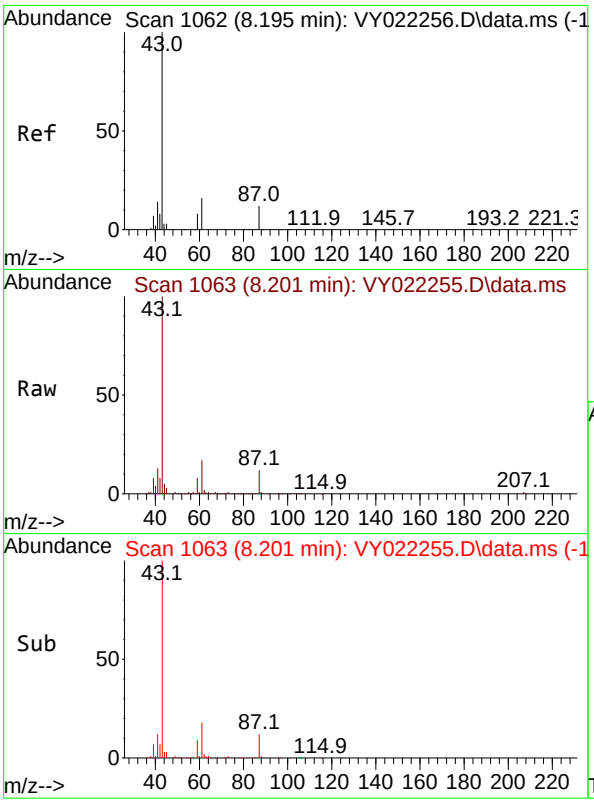


#42
1,2-Dichloroethane
Concen: 19.192 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 66525

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4

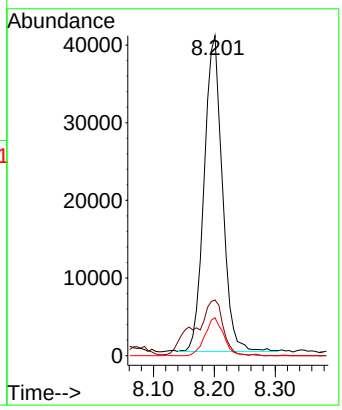




#43
Isopropyl Acetate
Concen: 18.631 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 8453

Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.1	22.7
87	12.3	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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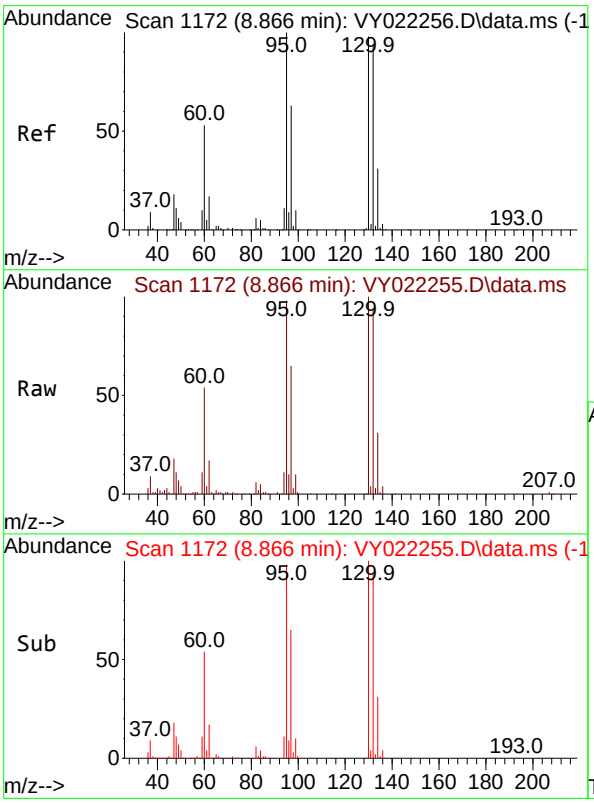
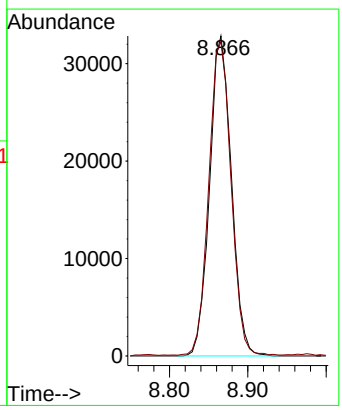
Supervised By :Semsettin Yesilyurt 05/16/2025

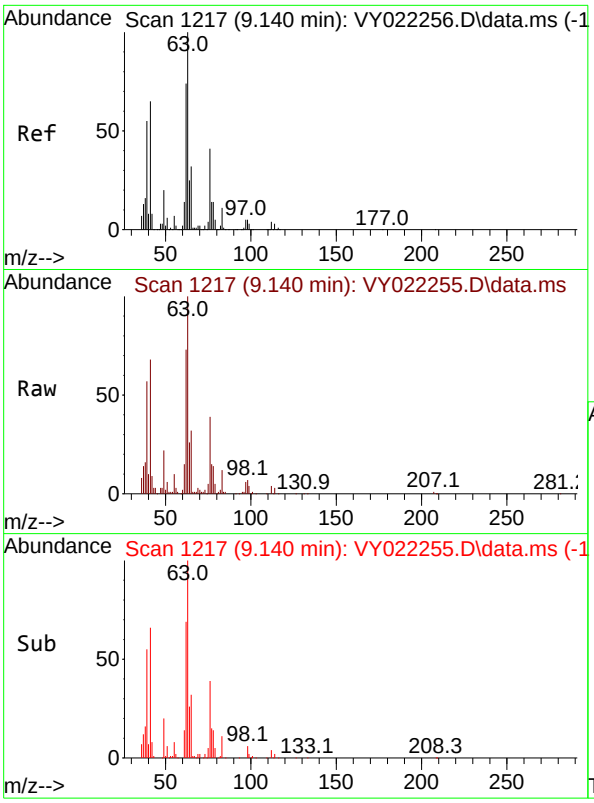


#44
Trichloroethene
Concen: 19.904 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:130 Resp: 63438

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	204.8

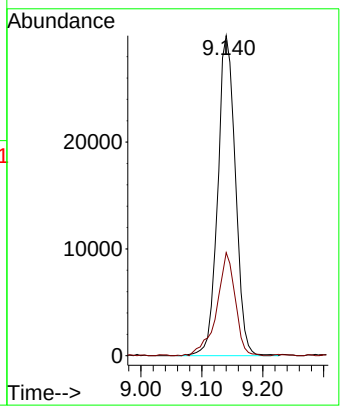




#45
1,2-Dichloropropane
Concen: 19.557 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 6043

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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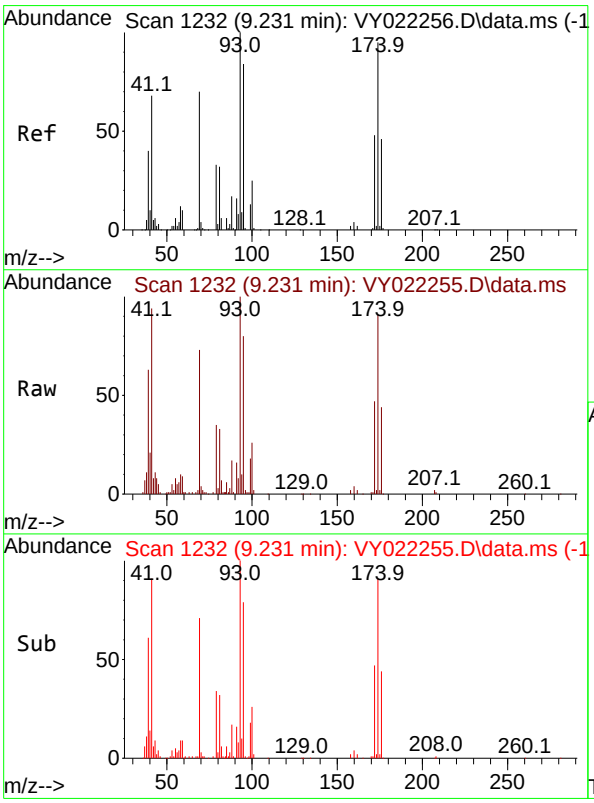
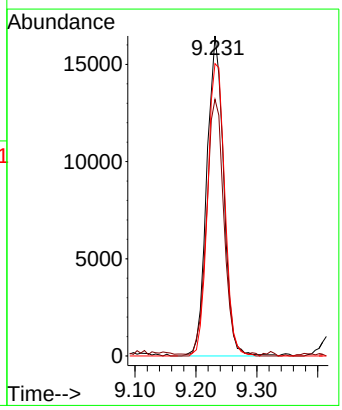
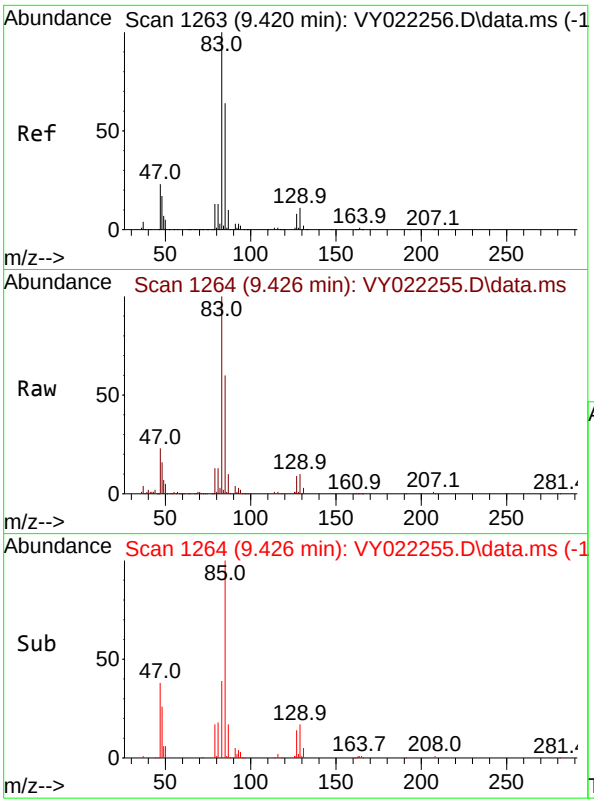


#46
Dibromomethane
Concen: 19.050 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 93 Resp: 31752

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.2	97.8
174	92.4	74.3	111.5

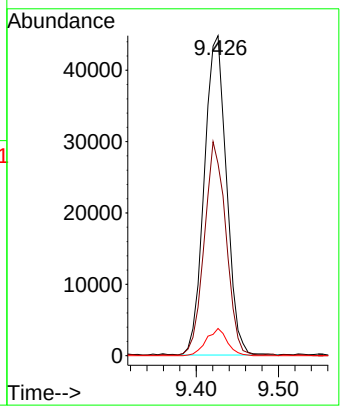




#47
Bromodichloromethane
Concen: 19.385 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 8382

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.1	76.7
127	8.5	6.6	10.0



Instrument :
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ClientSampleId :
VSTDICC020

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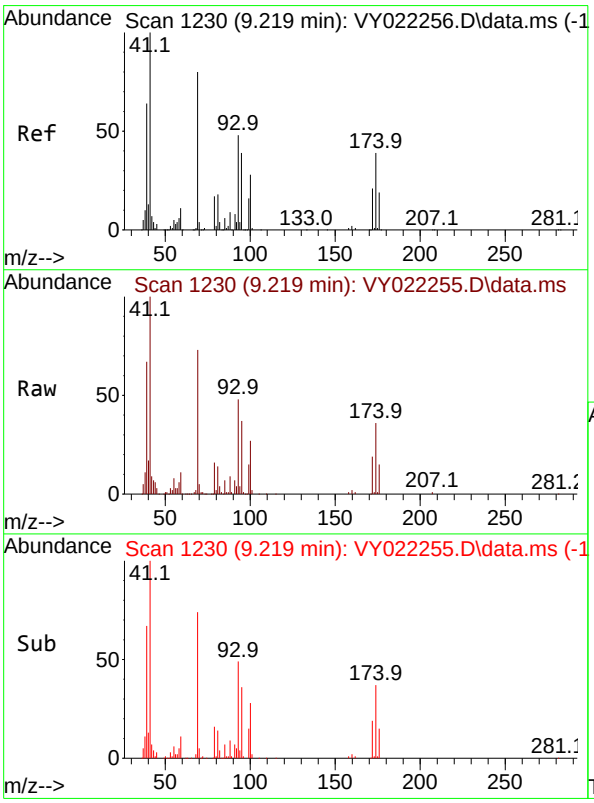
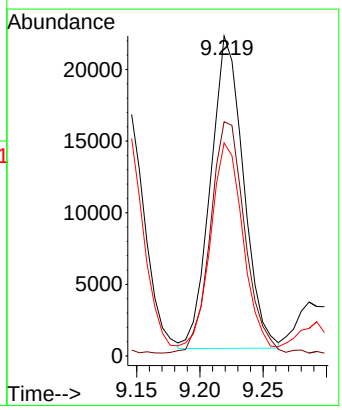
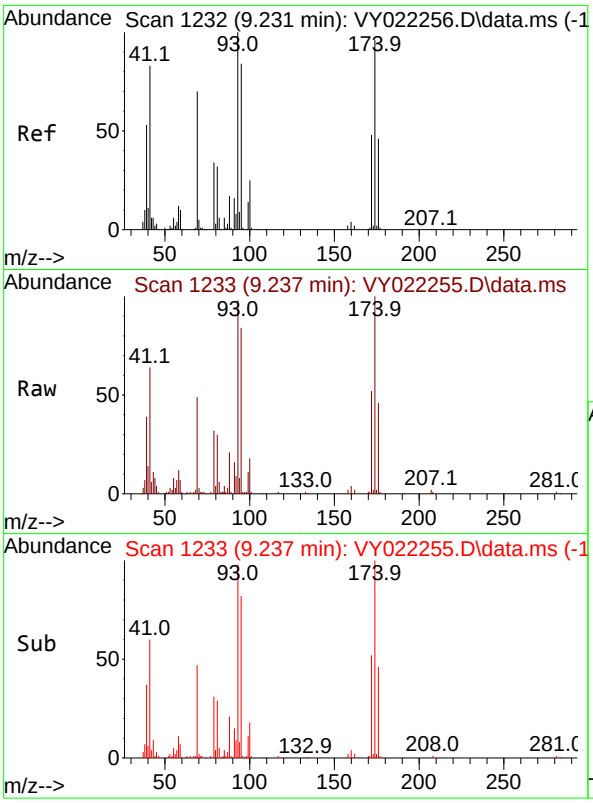


#48
Methyl methacrylate
Concen: 18.563 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 39387

Ion	Ratio	Lower	Upper
41	100		
69	77.5	63.5	95.3
39	63.4	50.8	76.2

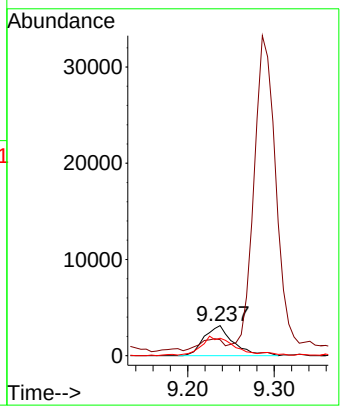




#49
1,4-Dioxane
Concen: 388.323 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 88 Resp: 731

Ion	Ratio	Lower	Upper
88	100		
43	31.6	28.5	42.7
58	71.1	61.4	92.2



Instrument :
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ClientSampleId :
VSTDICC020

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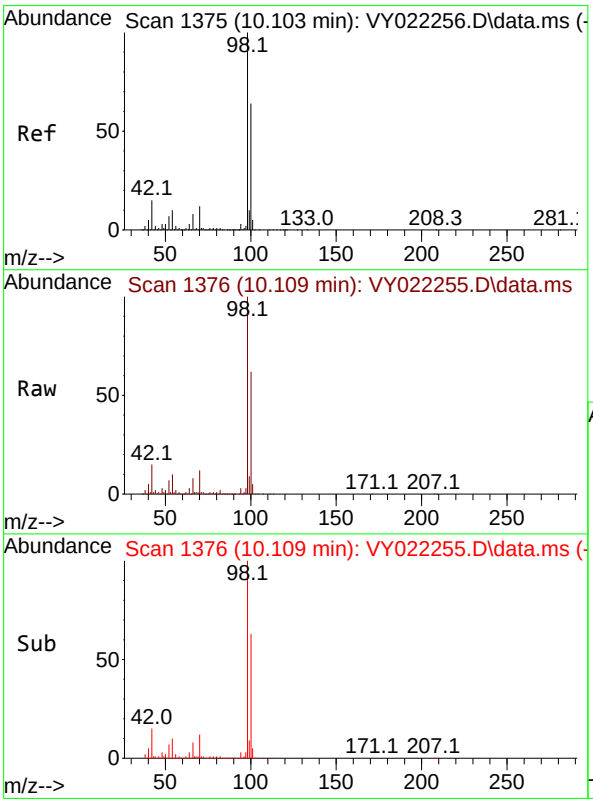
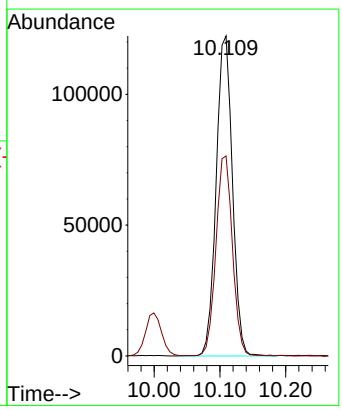
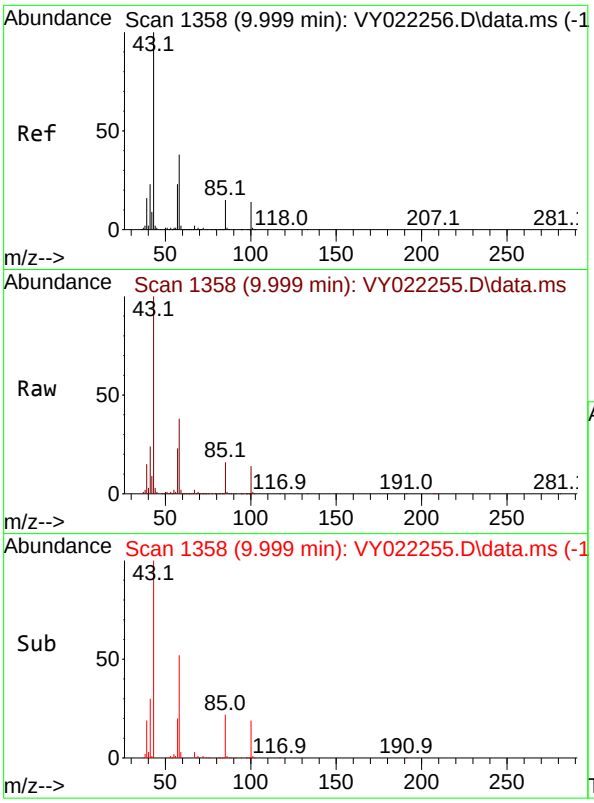


#50
Toluene-d8
Concen: 19.552 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 98 Resp: 210206

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8

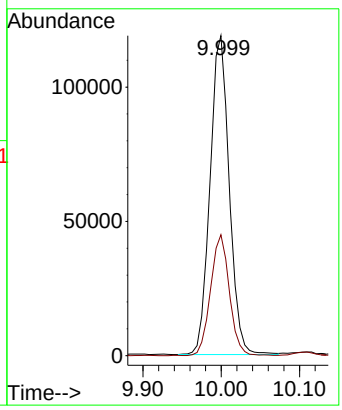




#51
4-Methyl-2-Pentanone
Concen: 90.940 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 20245

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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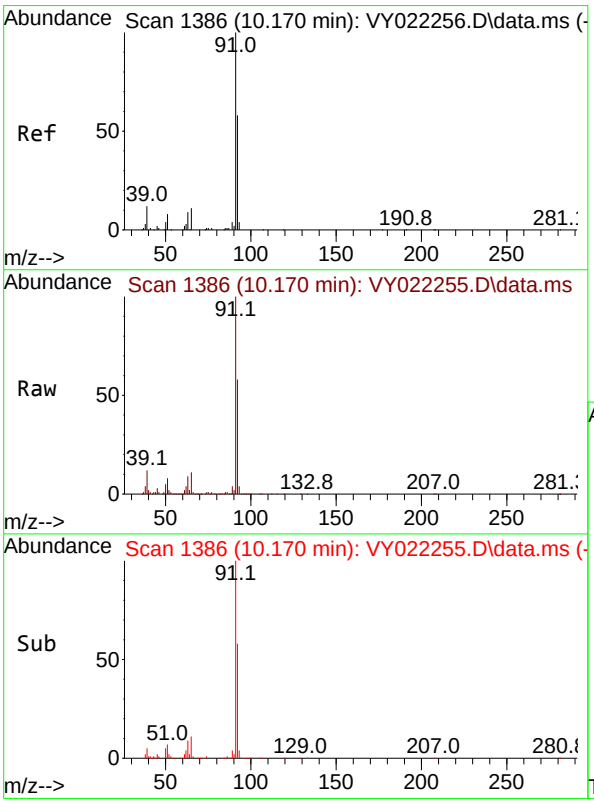
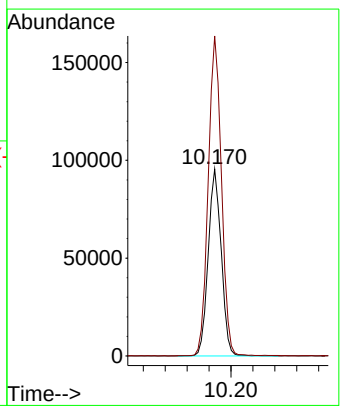
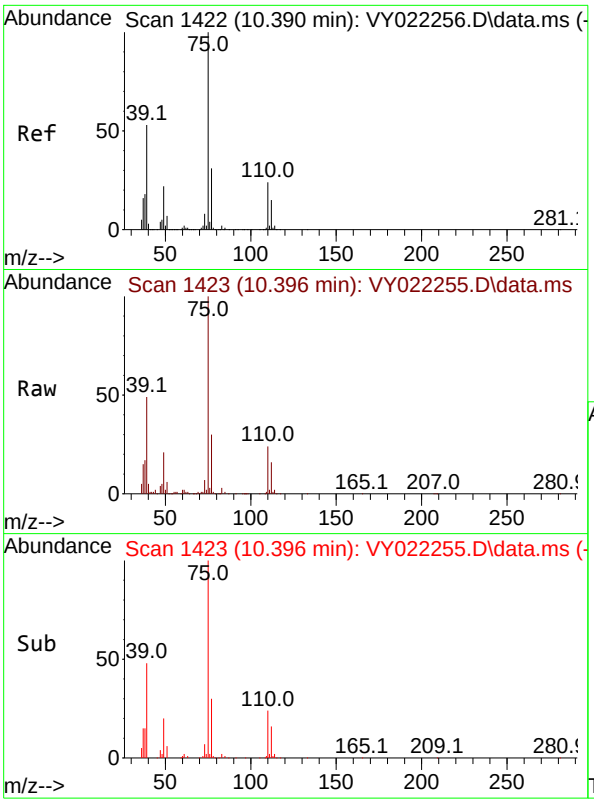


#52
Toluene
Concen: 19.281 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 92 Resp: 156498

Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.1	208.7

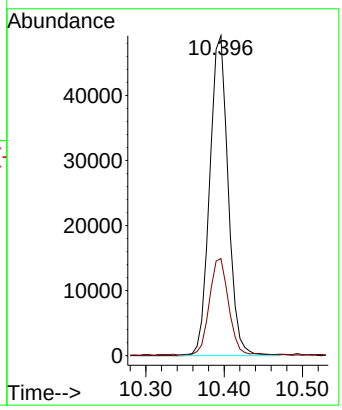




#53
t-1,3-Dichloropropene
Concen: 19.056 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 8041

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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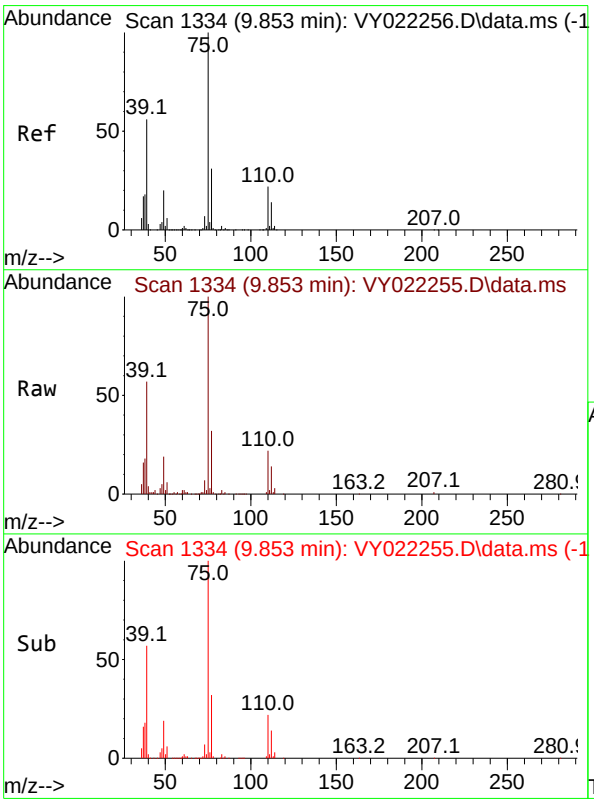
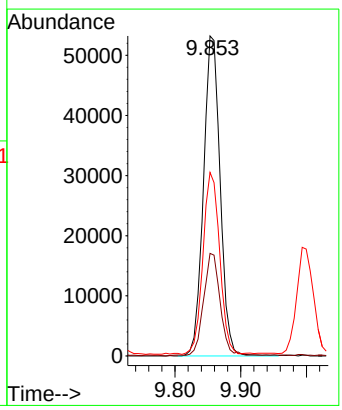
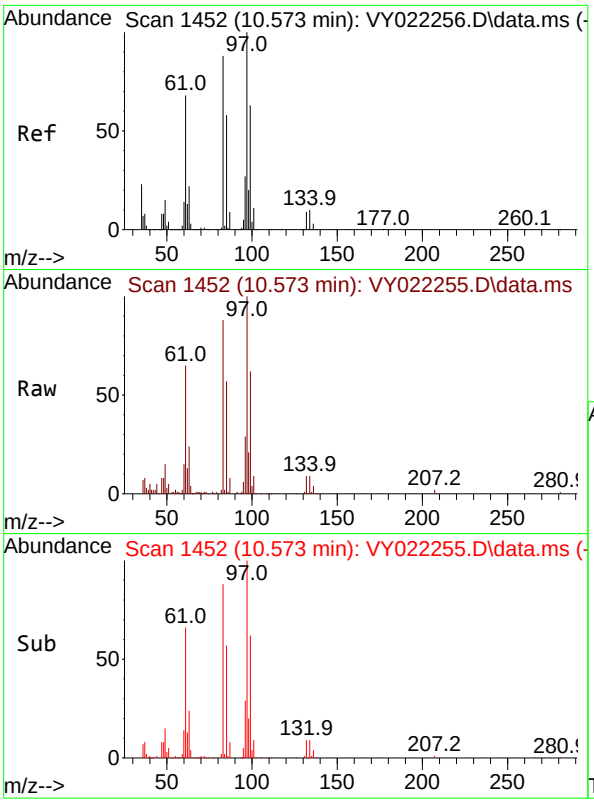


#54
cis-1,3-Dichloropropene
Concen: 19.458 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 94074

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.6	44.5	66.7

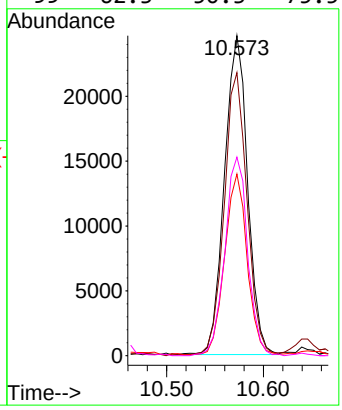




#55
1,1,2-Trichloroethane
Concen: 19.149 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 97 Resp: 4087

Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.3	105.5
85	56.5	46.2	69.4
99	62.3	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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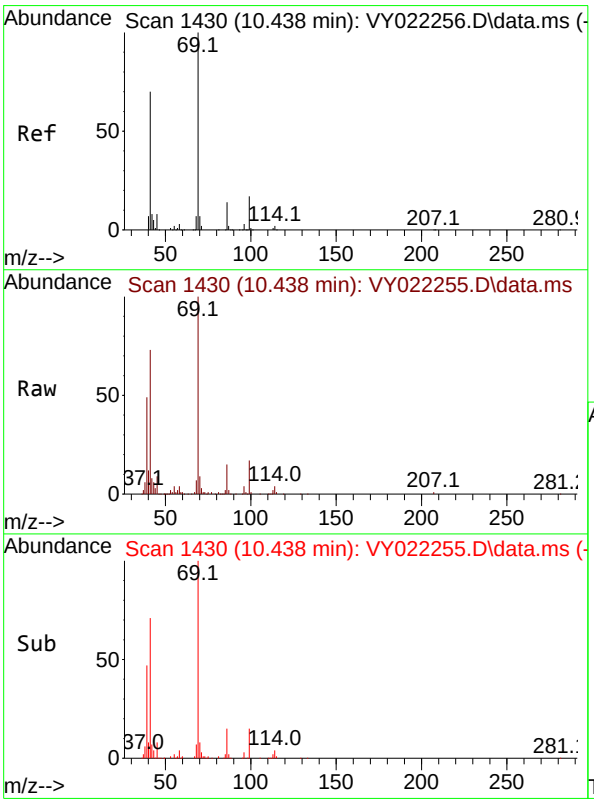
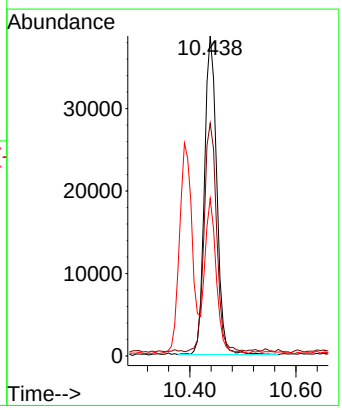
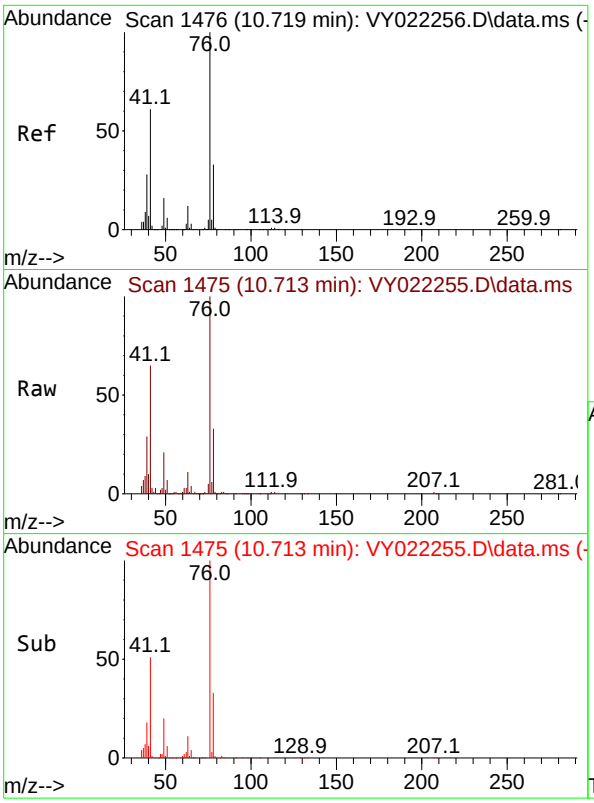


#56
Ethyl methacrylate
Concen: 18.706 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 69 Resp: 62193

Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.5	84.7
39	44.2	37.1	55.7

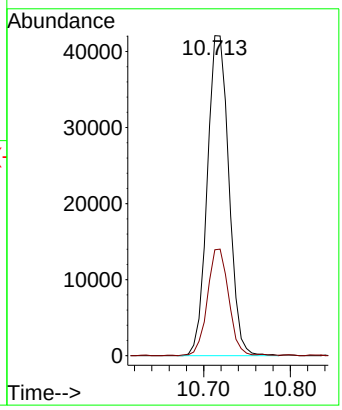




#57
1,3-Dichloropropane
Concen: 19.175 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 76 Resp: 7271

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8



Instrument :
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ClientSampleId :
VSTDICC020

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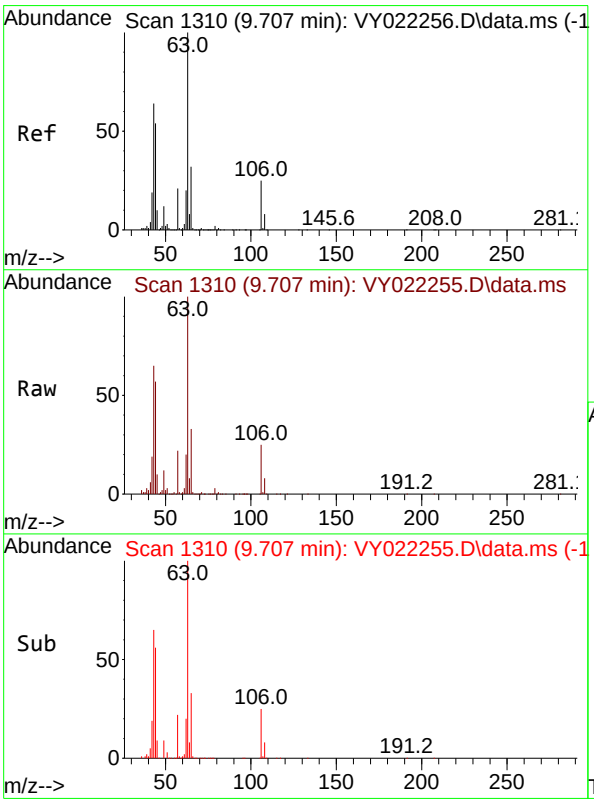
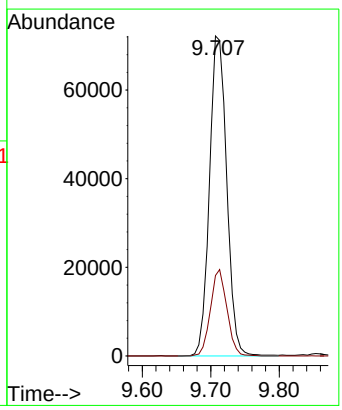
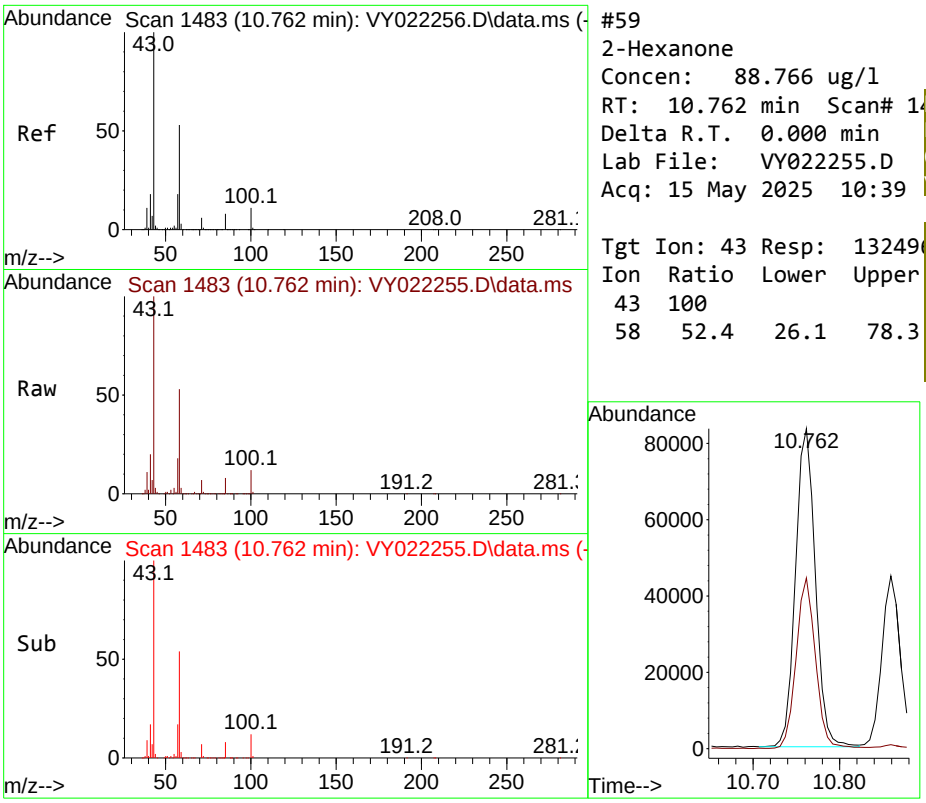


#58
2-Chloroethyl Vinyl ether
Concen: 84.595 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 126240

Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.0	31.4





#59
2-Hexanone
Concen: 88.766 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 13249

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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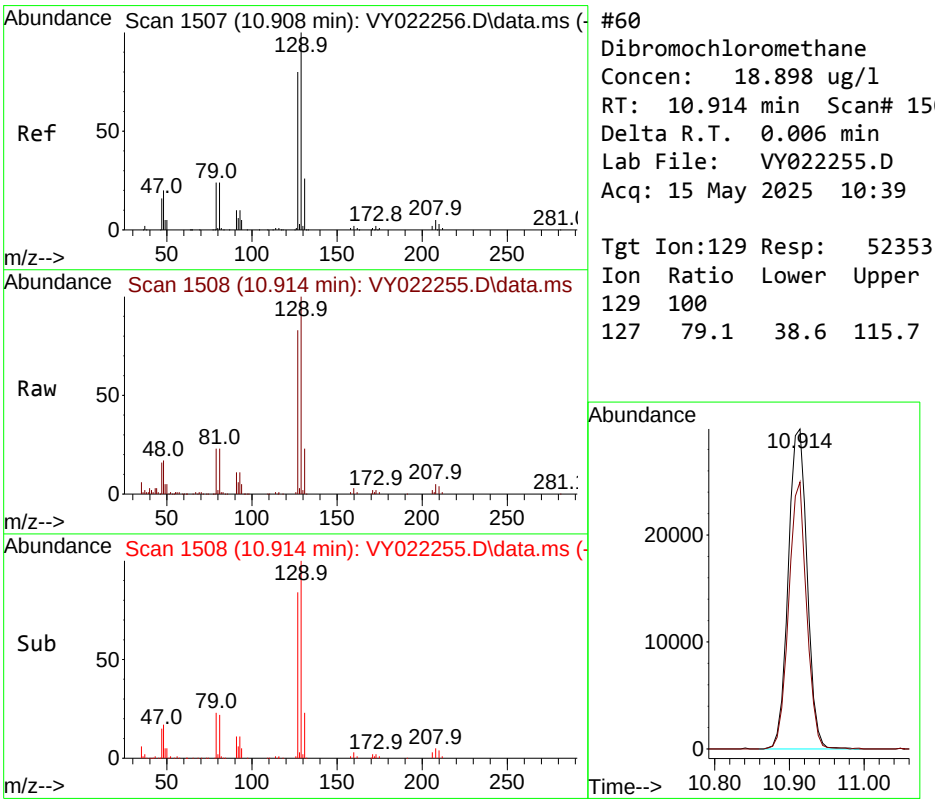
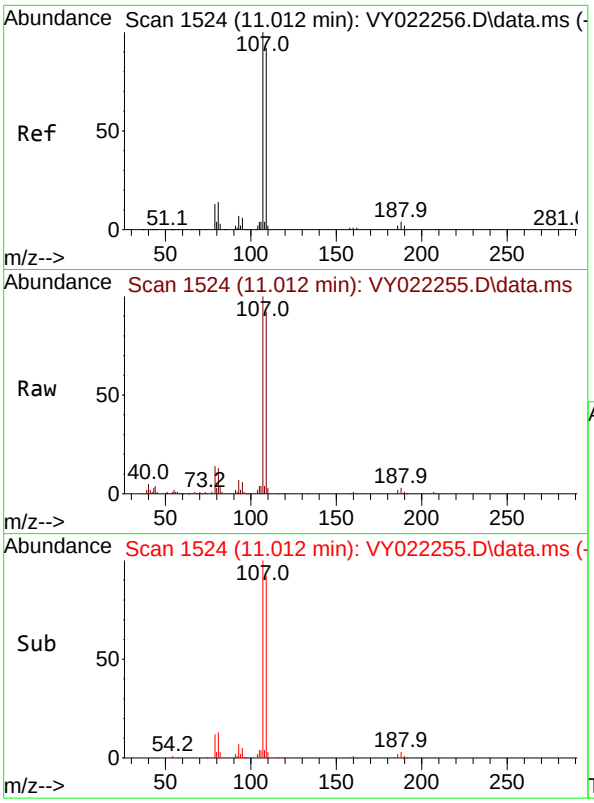


#60
Dibromochloromethane
Concen: 18.898 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:129 Resp: 52353

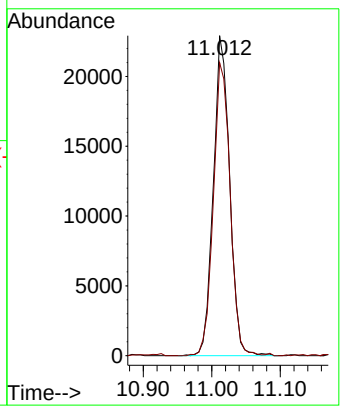
Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.7



#61
1,2-Dibromoethane
Concen: 18.969 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:107 Resp: 3773

Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
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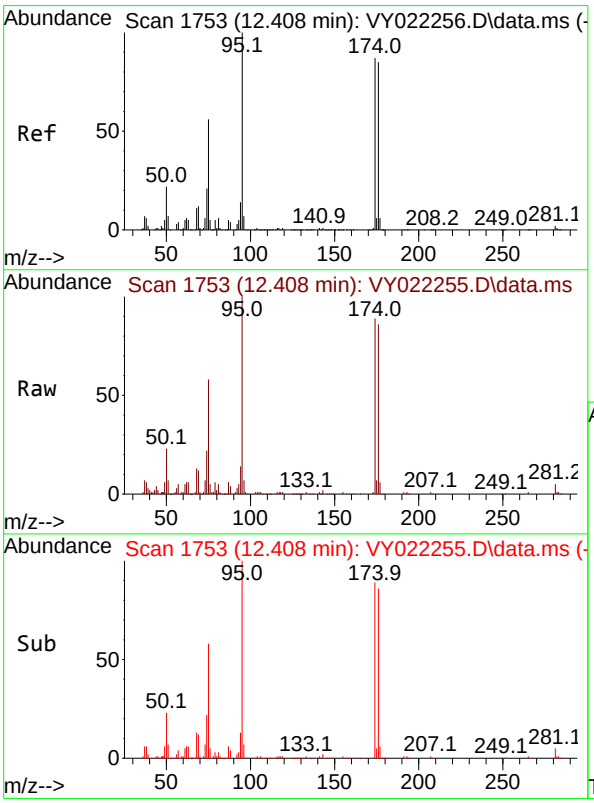
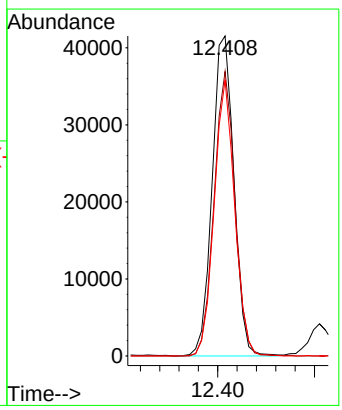
Supervised By :Semsettin Yesilyurt 05/16/2025

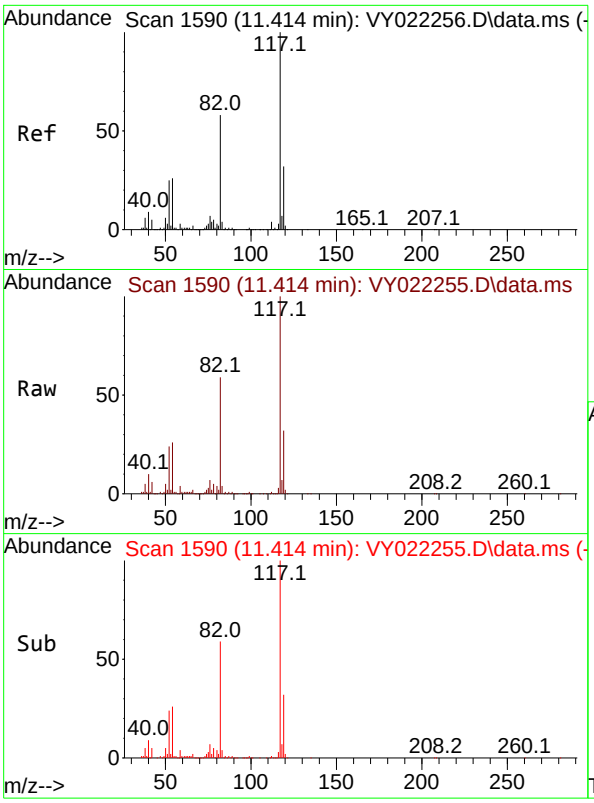


#62
4-Bromofluorobenzene
Concen: 18.988 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 95 Resp: 64706

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	166.8
176	81.3	0.0	160.8

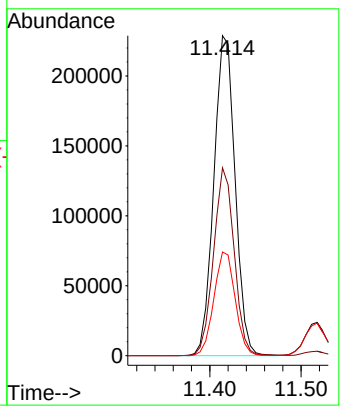




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 37007

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.6	70.0
119	32.4	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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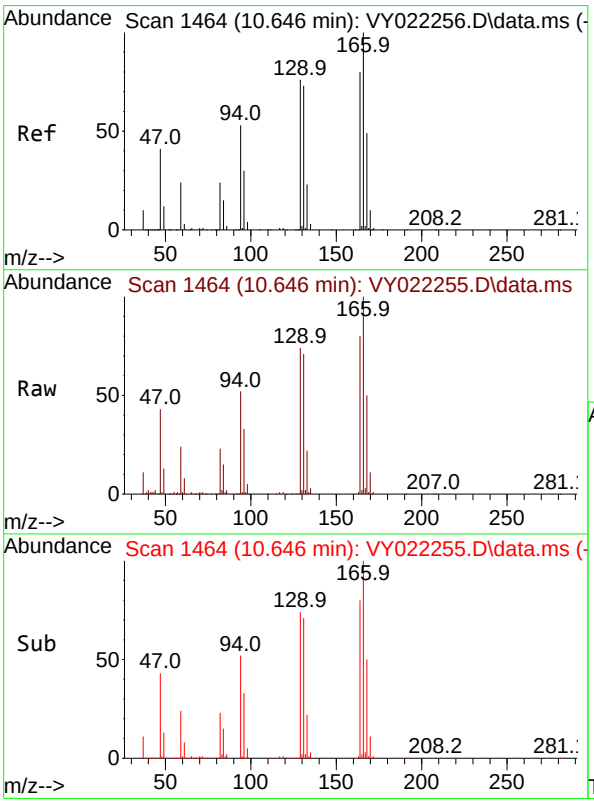
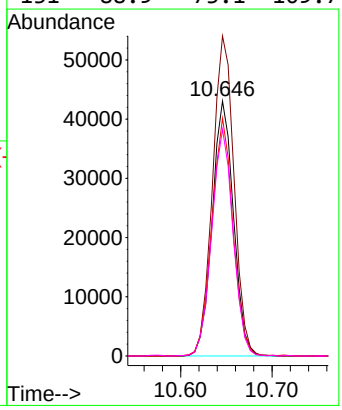
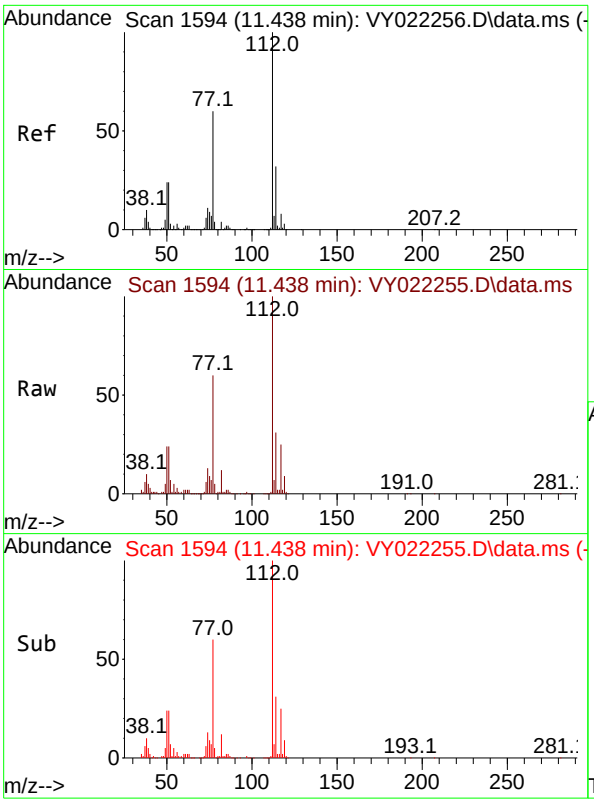


#64
Tetrachloroethene
Concen: 20.332 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:164 Resp: 69548

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	93.2	76.4	114.6
131	88.9	73.1	109.7

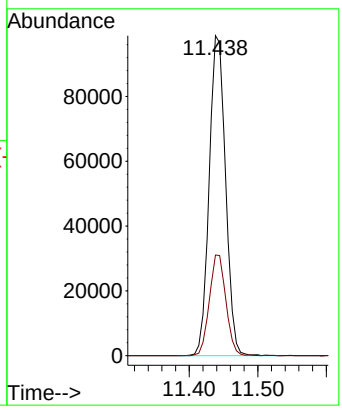




#65
Chlorobenzene
Concen: 19.610 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:112 Resp: 16372

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6



Instrument :
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ClientSampleId :
VSTDICC020

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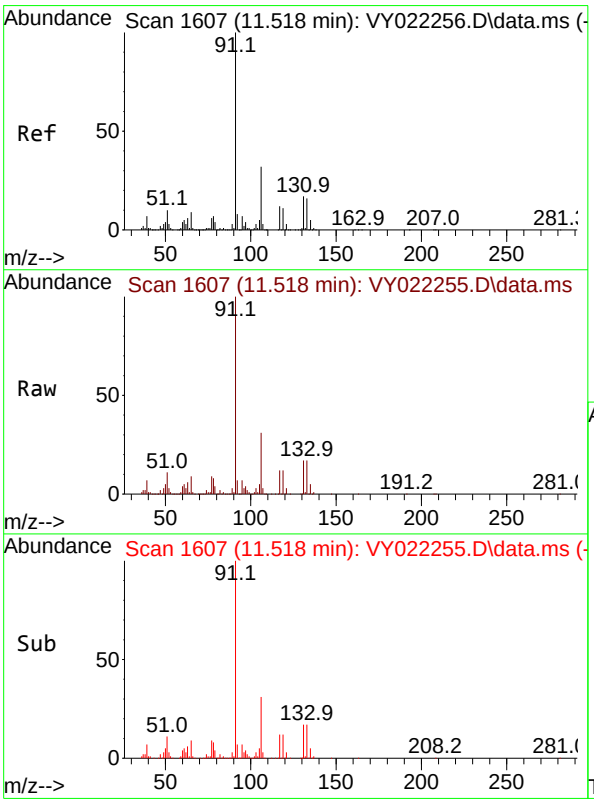
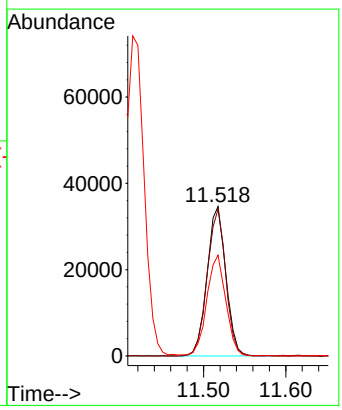
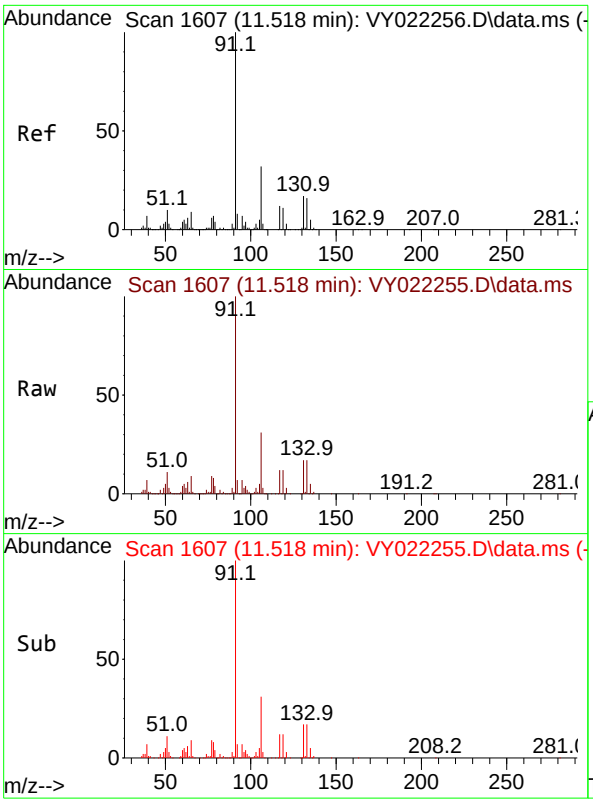


#66
1,1,1,2-Tetrachloroethane
Concen: 19.189 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:131 Resp: 55078

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.9
119	68.4	33.1	99.2

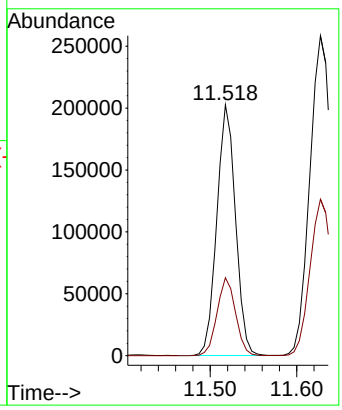




#67
Ethyl Benzene
Concen: 19.402 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 30337

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.0



Instrument :
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ClientSampleId :
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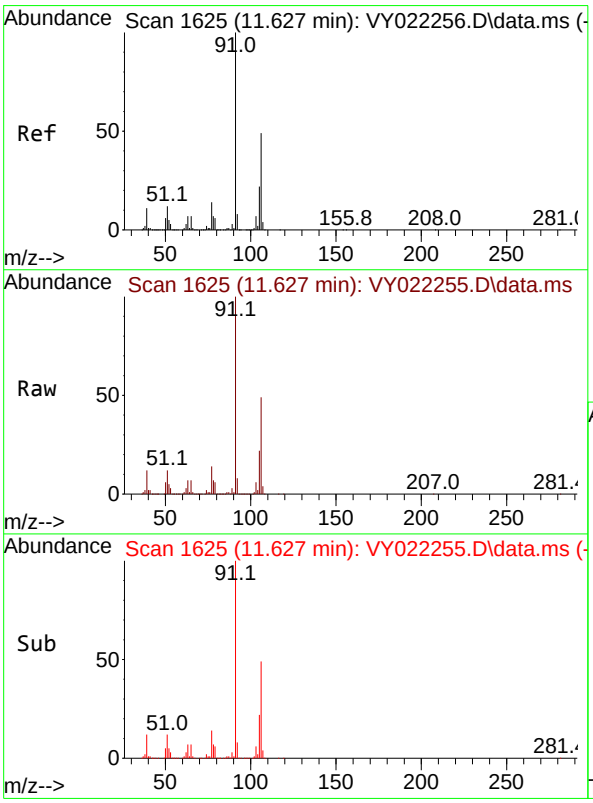
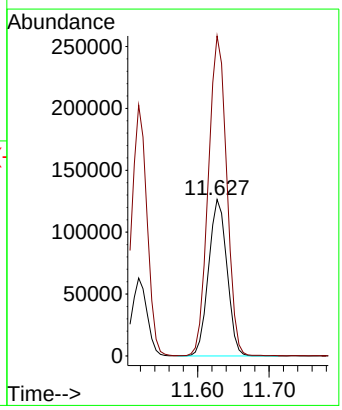
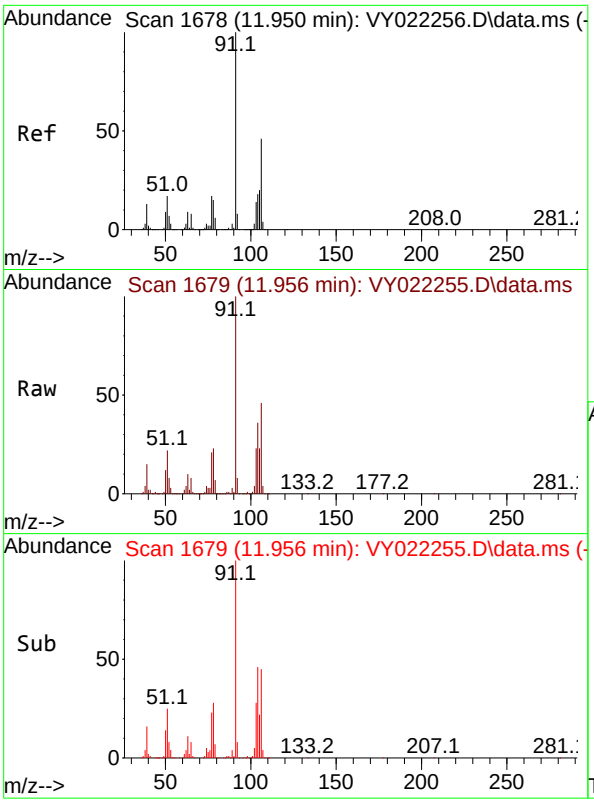


#68
m/p-Xylenes
Concen: 38.355 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:106 Resp: 225990

Ion	Ratio	Lower	Upper
106	100		
91	204.2	163.0	244.4

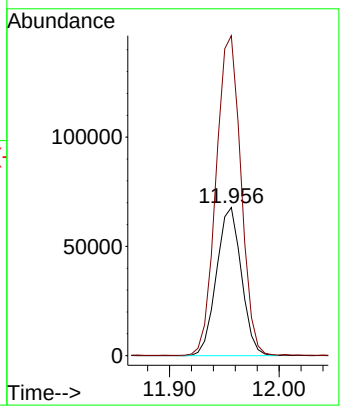




#69
o-Xylene
Concen: 19.194 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:106 Resp: 10699

Ion	Ratio	Lower	Upper
106	100		
91	215.7	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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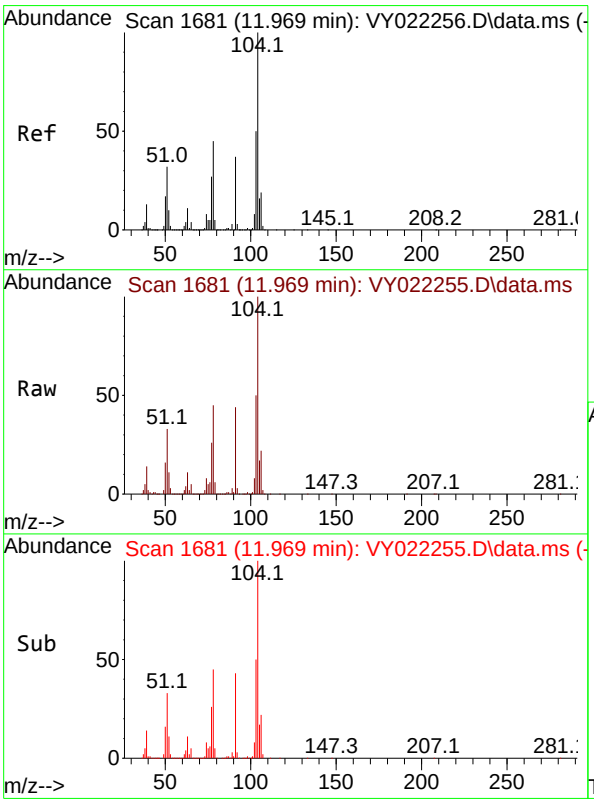
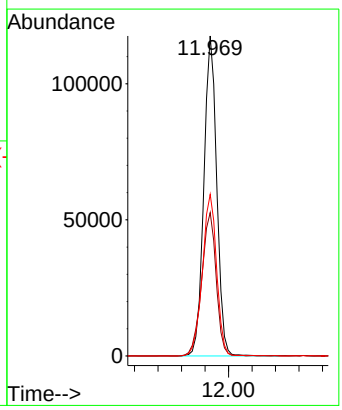
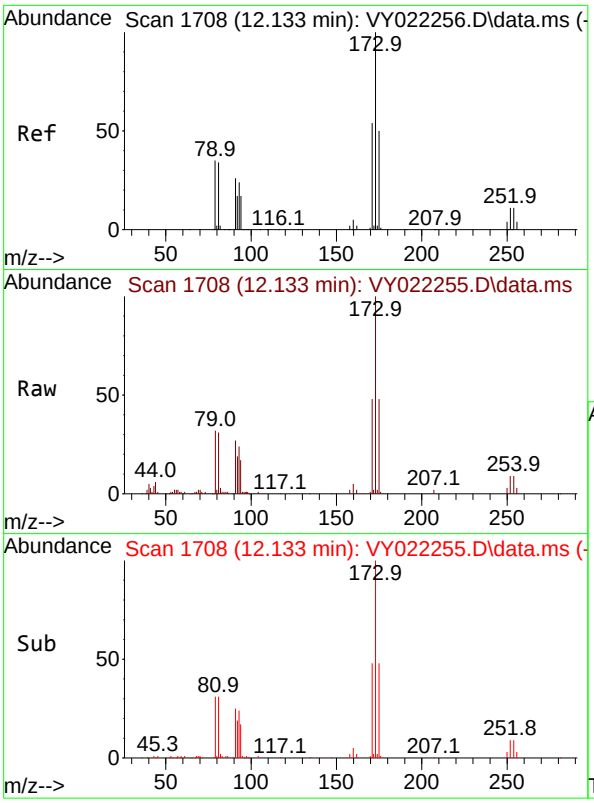


#70
Styrene
Concen: 19.048 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:104 Resp: 179114

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.9	61.3
103	55.7	43.7	65.5

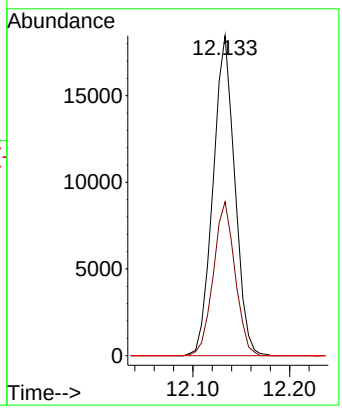




#71
Bromoform
Concen: 18.582 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:173 Resp: 2878

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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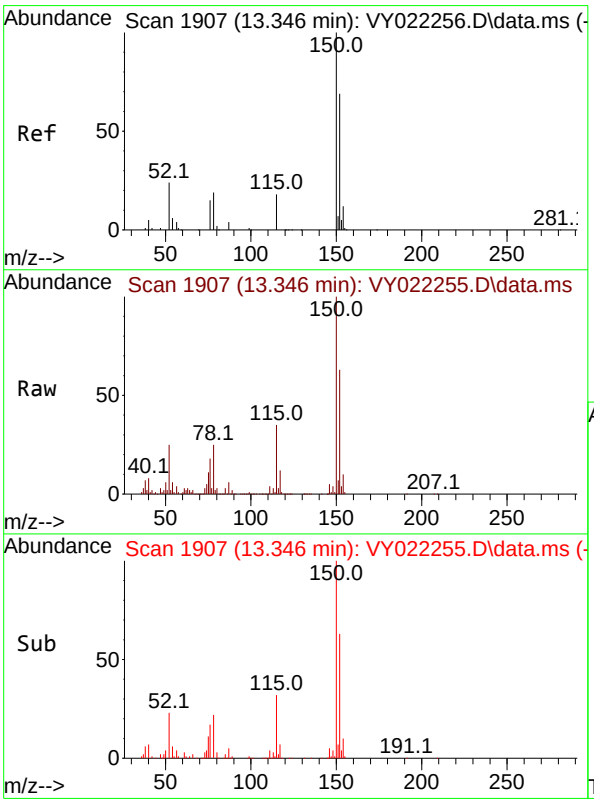
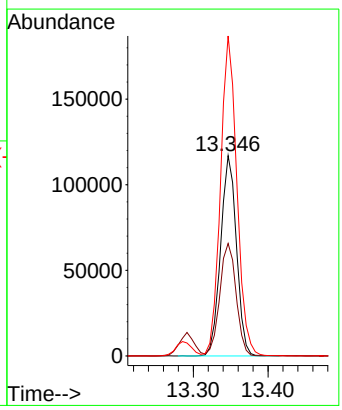
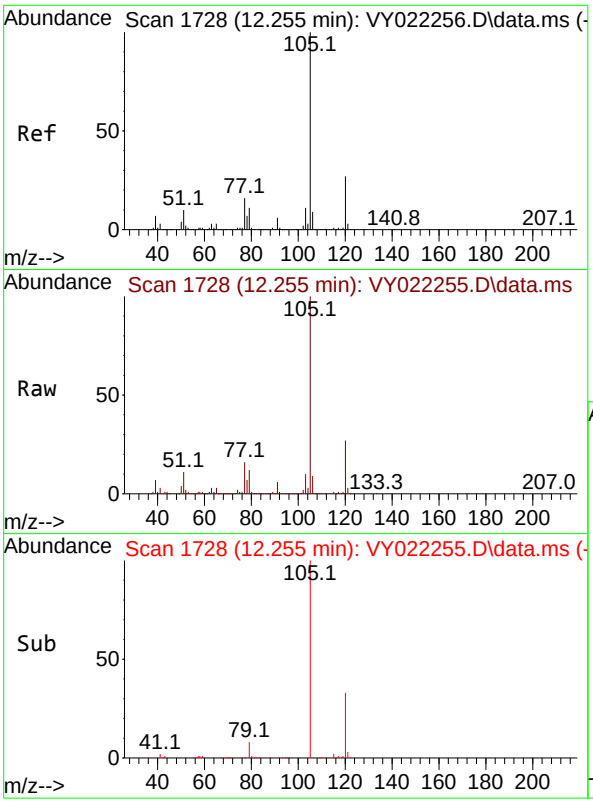


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:152 Resp: 172509

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.4	88.2
150	165.2	0.0	353.8

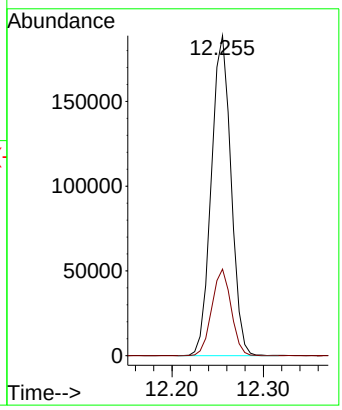




#73
Isopropylbenzene
Concen: 19.795 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 28289

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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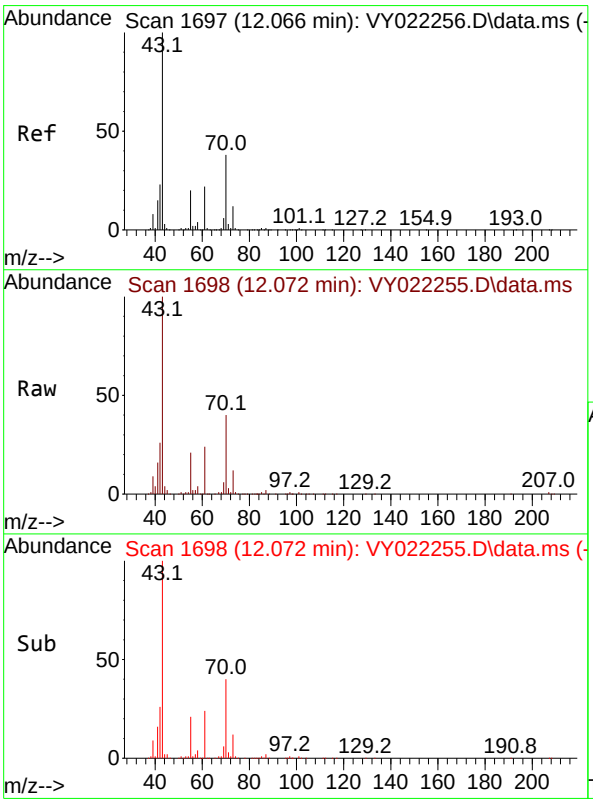
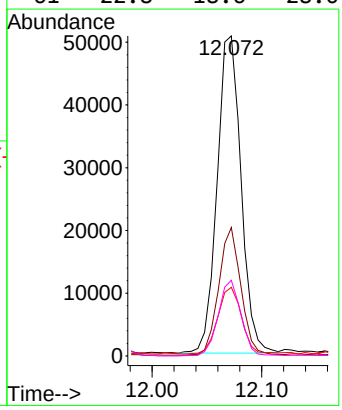
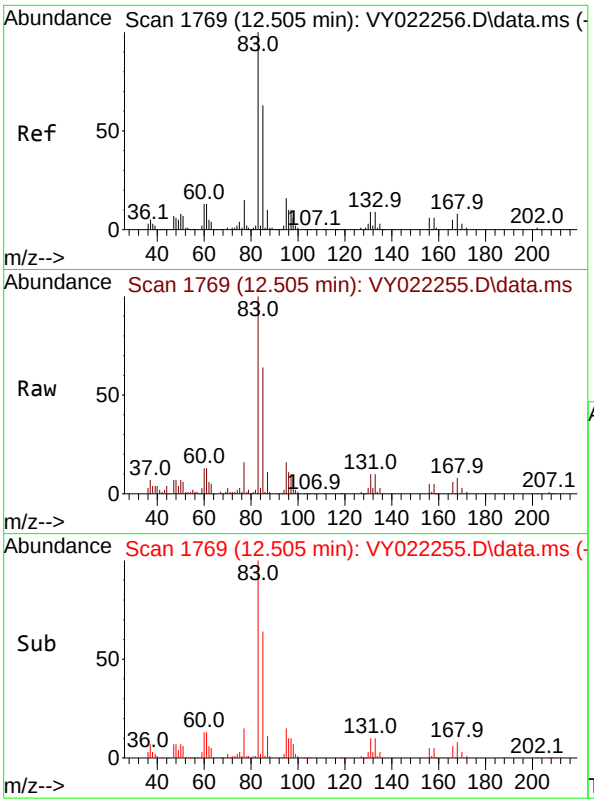


#74
N-amyl acetate
Concen: 18.799 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 76841

Ion	Ratio	Lower	Upper
43	100		
70	37.3	31.4	47.0
55	21.3	17.0	25.6
61	22.8	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.228 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 4006

Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.9	14.7
85	65.9	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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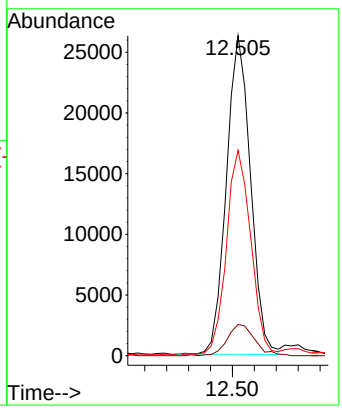
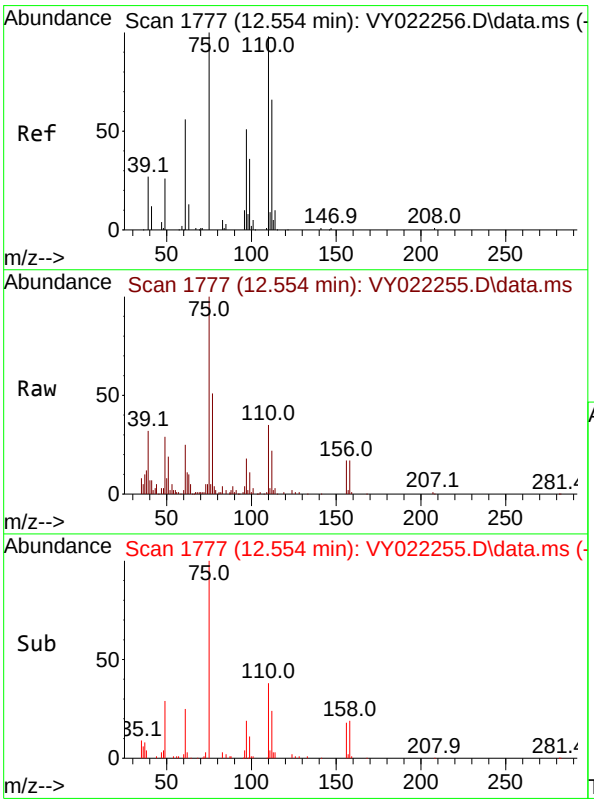
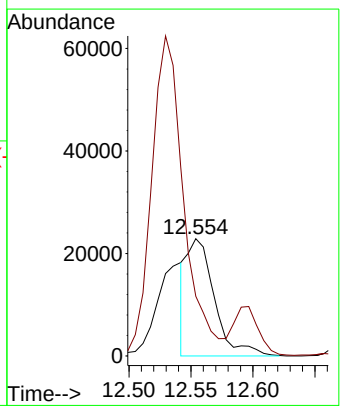


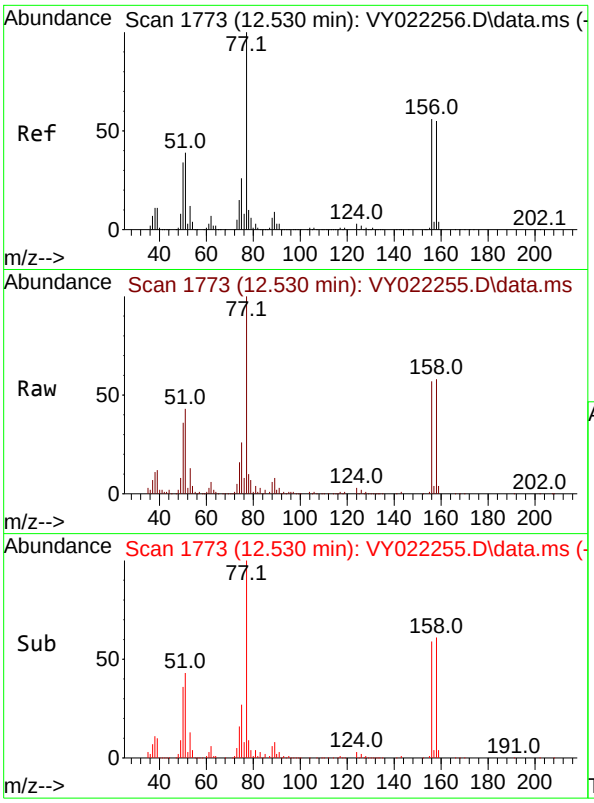


#76
1,2,3-Trichloropropane
Concen: 11.701 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 35574

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

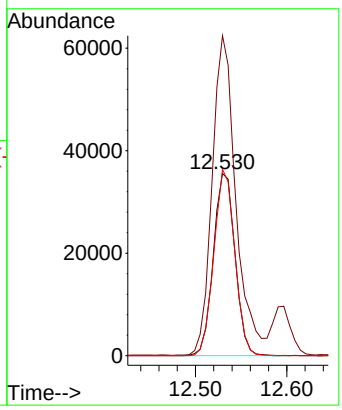




#77
Bromobenzene
Concen: 19.170 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:156 Resp: 5851

Ion	Ratio	Lower	Upper
156	100		
77	190.6	94.5	283.6
158	99.0	48.4	145.3



Instrument :
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ClientSampleId :
VSTDICC020

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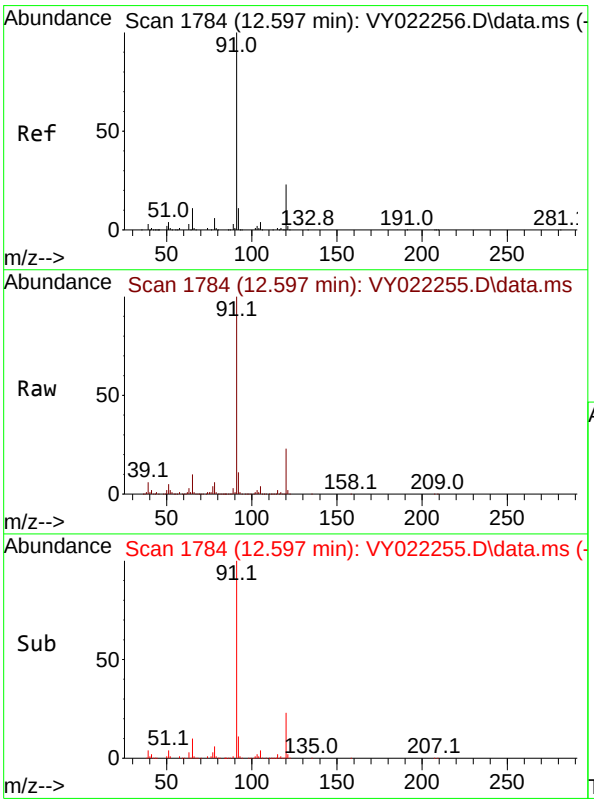
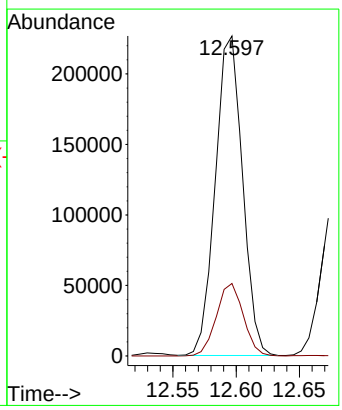
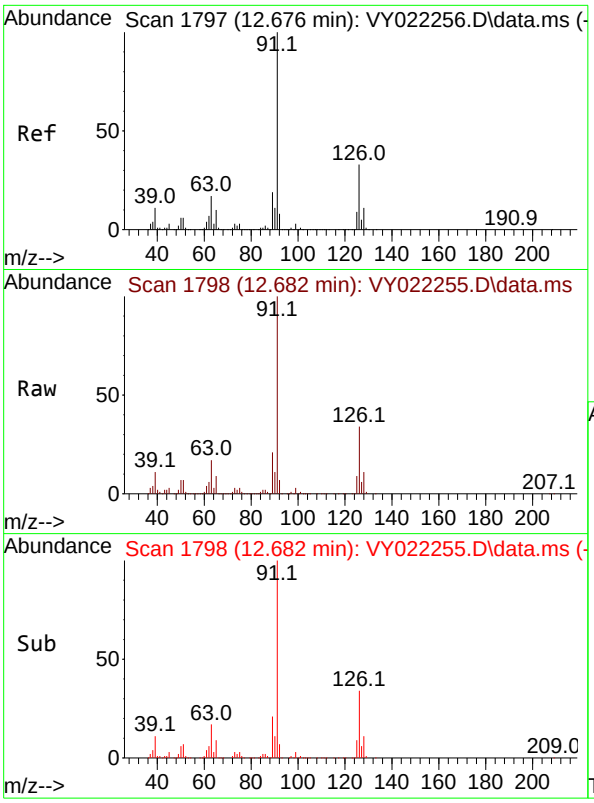


#78
n-propylbenzene
Concen: 19.630 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 338383

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3

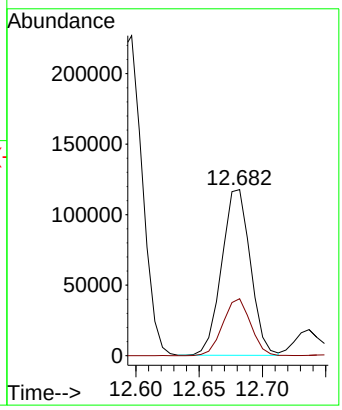




#79
2-Chlorotoluene
Concen: 19.621 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 18587

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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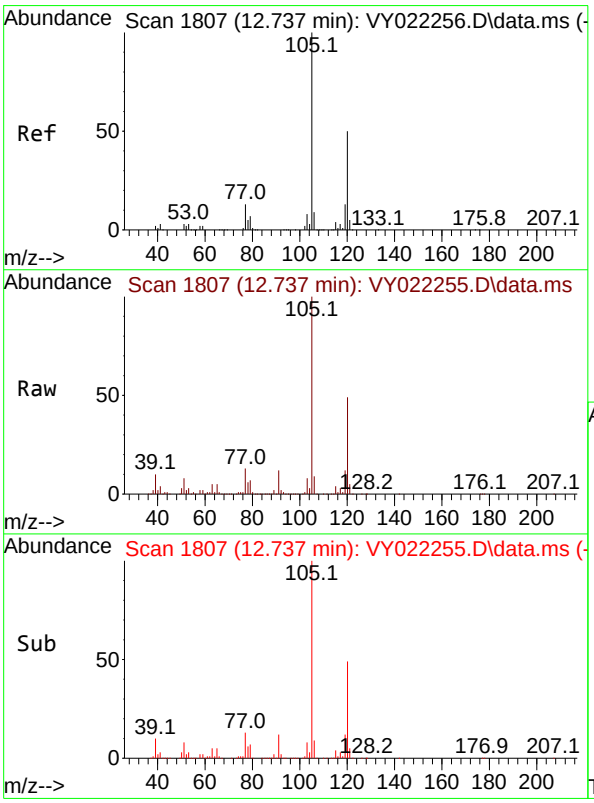
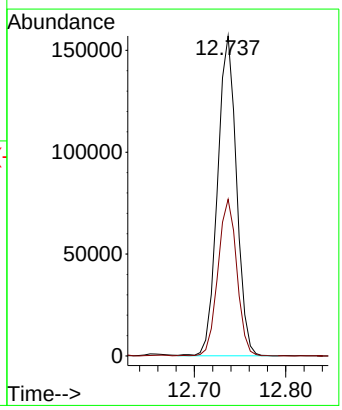
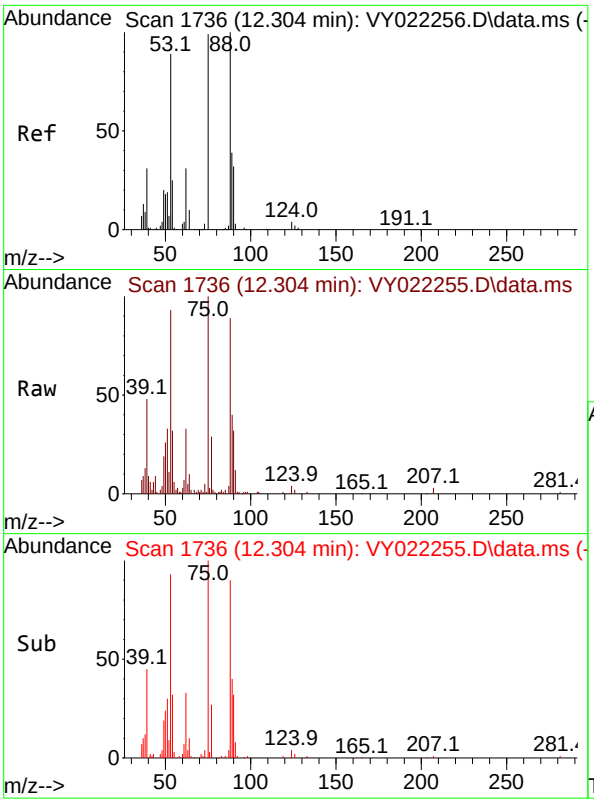


#80
1,3,5-Trimethylbenzene
Concen: 19.587 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 225966

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.302 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

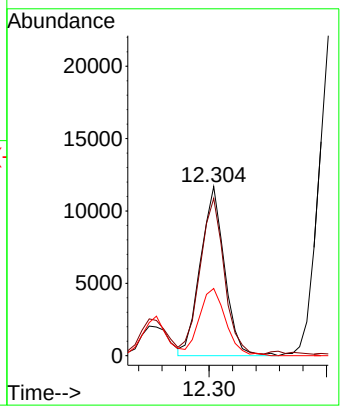
Tgt Ion: 75 Resp: 1665

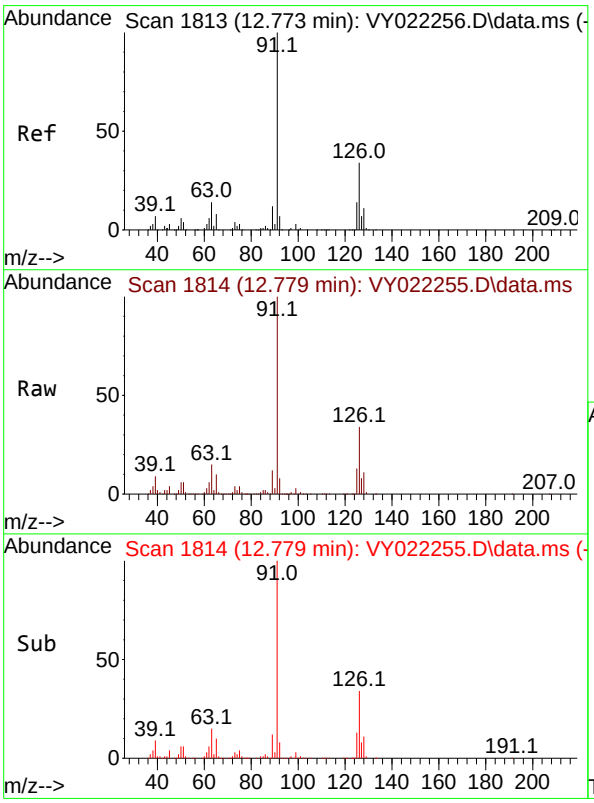
Ion	Ratio	Lower	Upper
75	100		
53	92.5	75.8	113.8
89	43.2	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

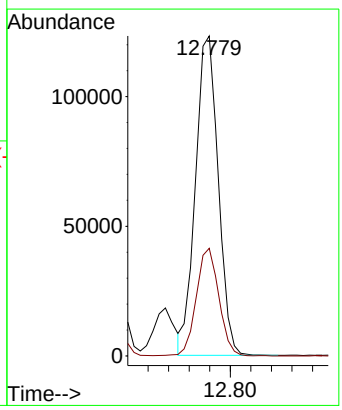


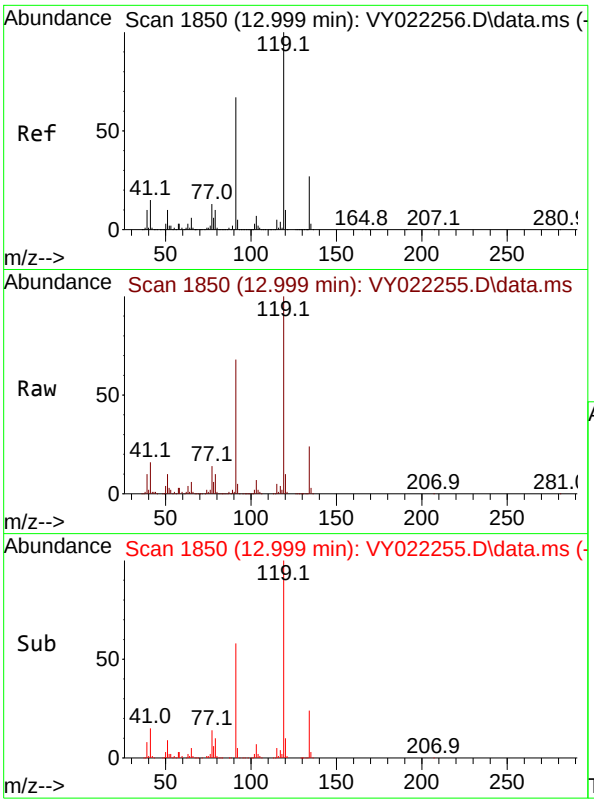


#82
4-Chlorotoluene
Concen: 19.433 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 189350

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

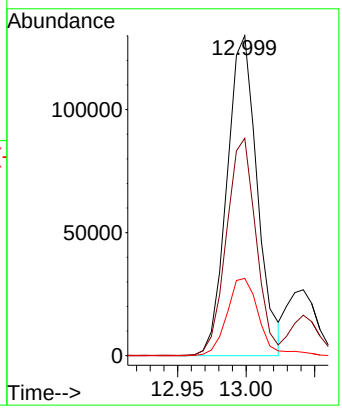




#83
tert-Butylbenzene
Concen: 19.515 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:119 Resp: 20010

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.6	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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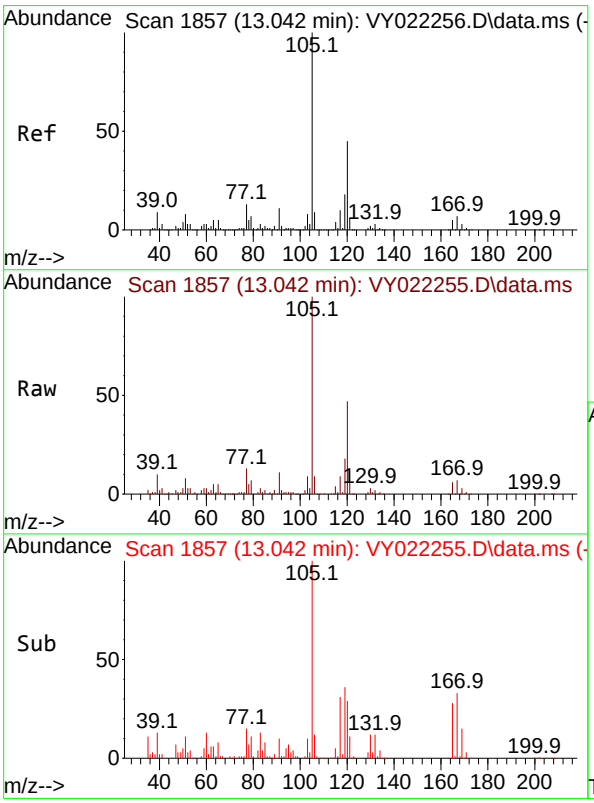
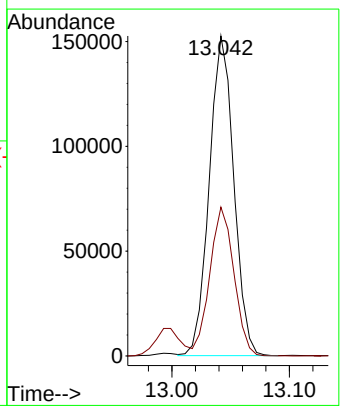
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

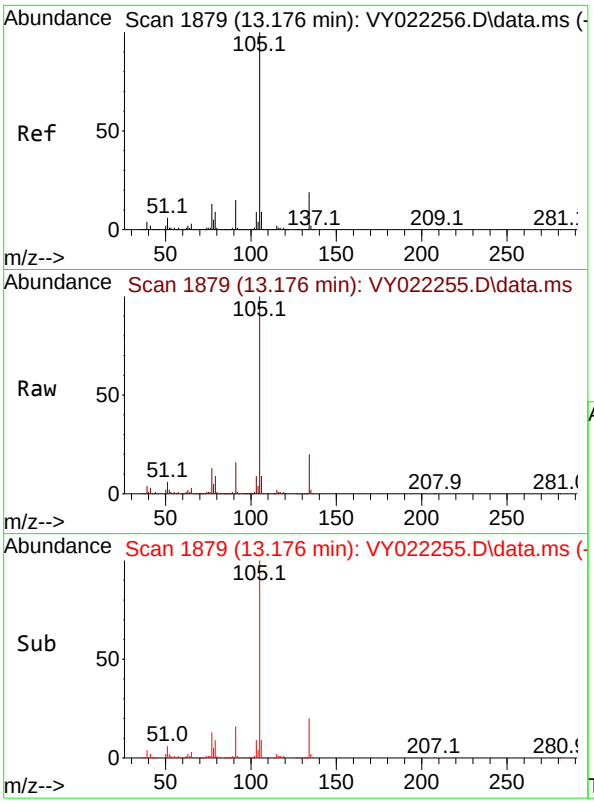


#84
1,2,4-Trimethylbenzene
Concen: 19.315 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 221194

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9





#85
sec-Butylbenzene
Concen: 19.576 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 29797

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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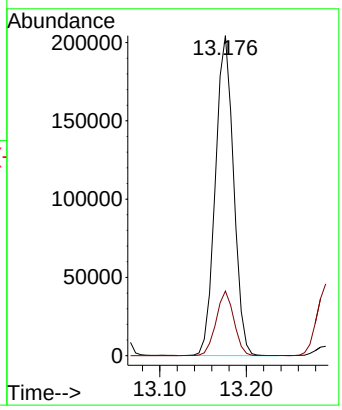
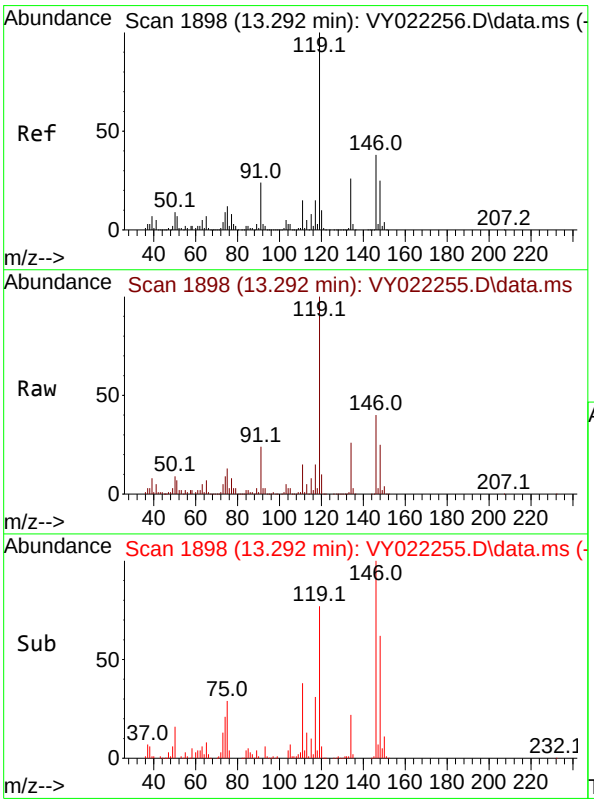
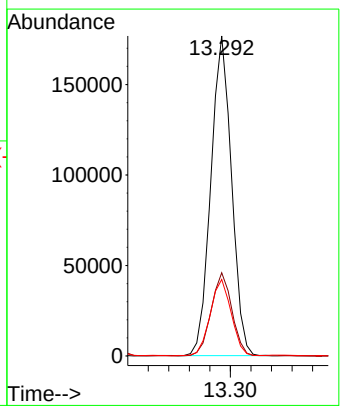


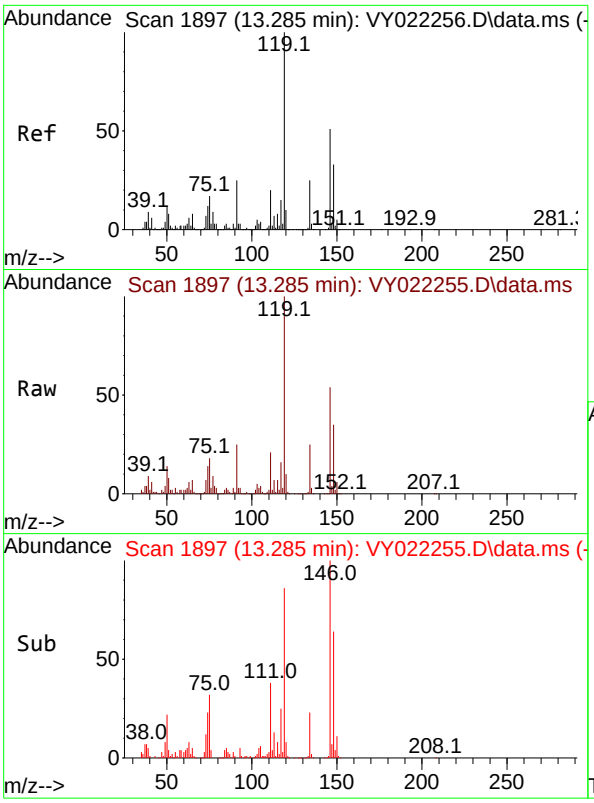


#86
p-Isopropyltoluene
Concen: 19.261 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:119 Resp: 246569

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	24.2	12.1	36.3

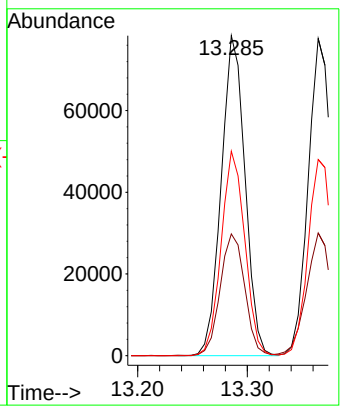




#87
1,3-Dichlorobenzene
Concen: 18.991 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 11833

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.4	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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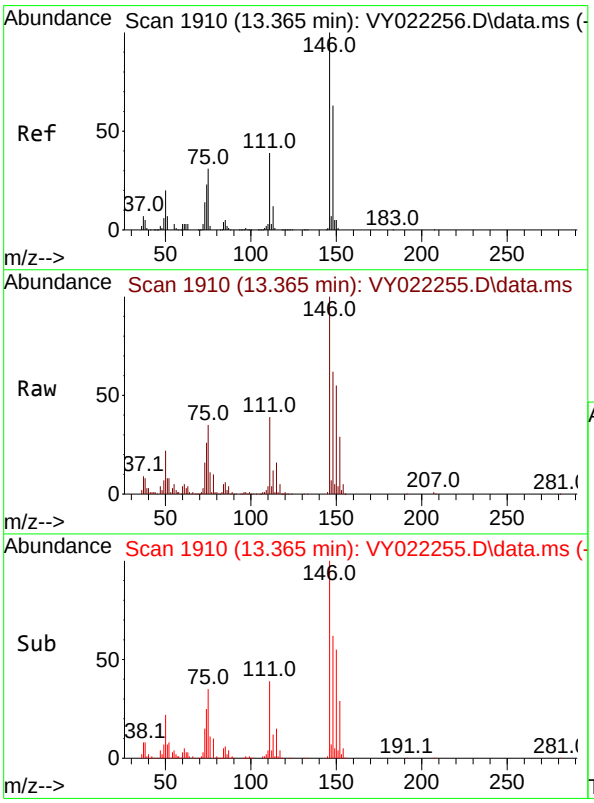
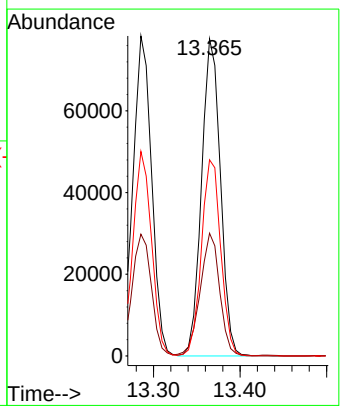
Supervised By :Semsettin Yesilyurt 05/16/2025

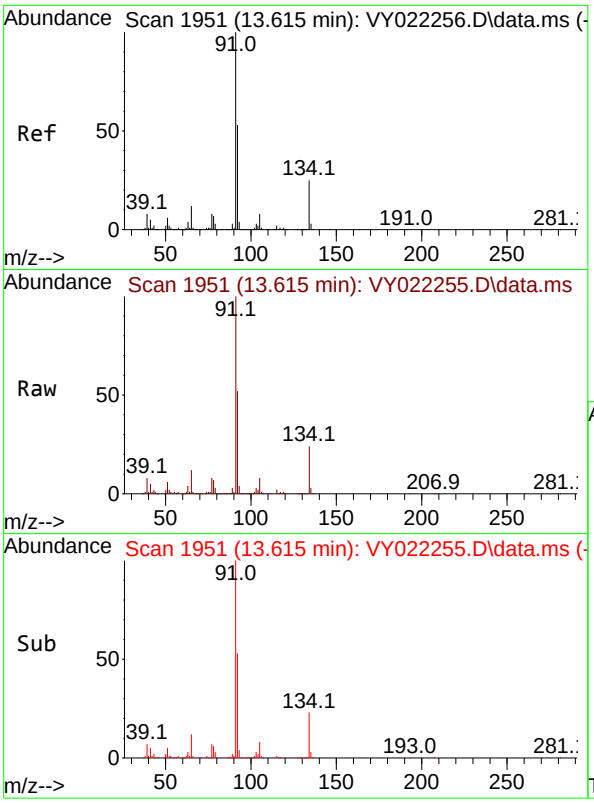


#88
1,4-Dichlorobenzene
Concen: 19.638 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 117705

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.3	32.1	96.5

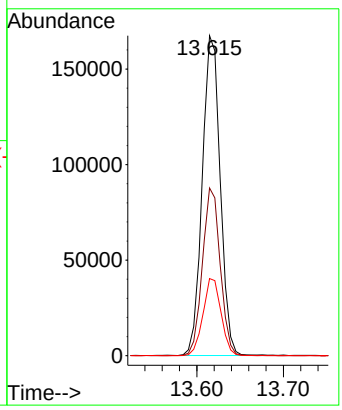




#89
n-Butylbenzene
Concen: 19.887 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 24085

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	24.3	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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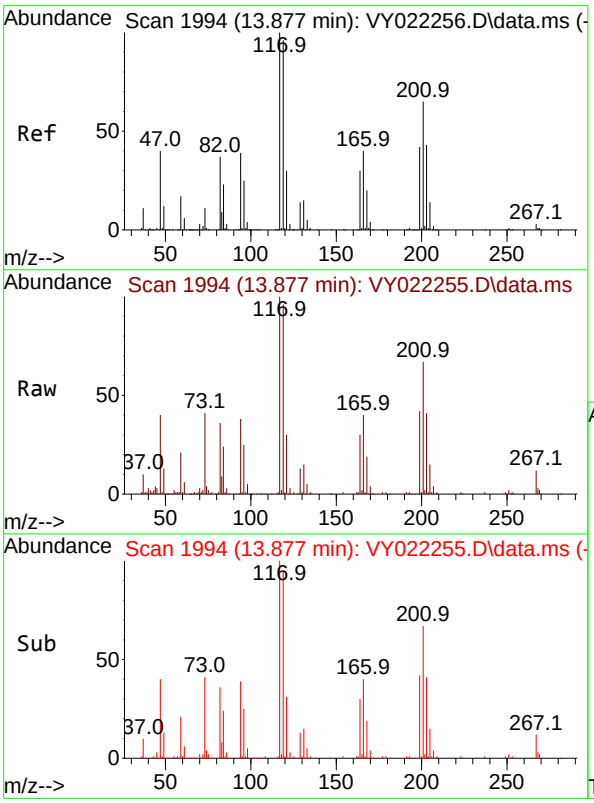
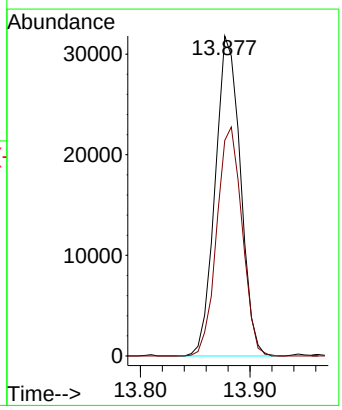
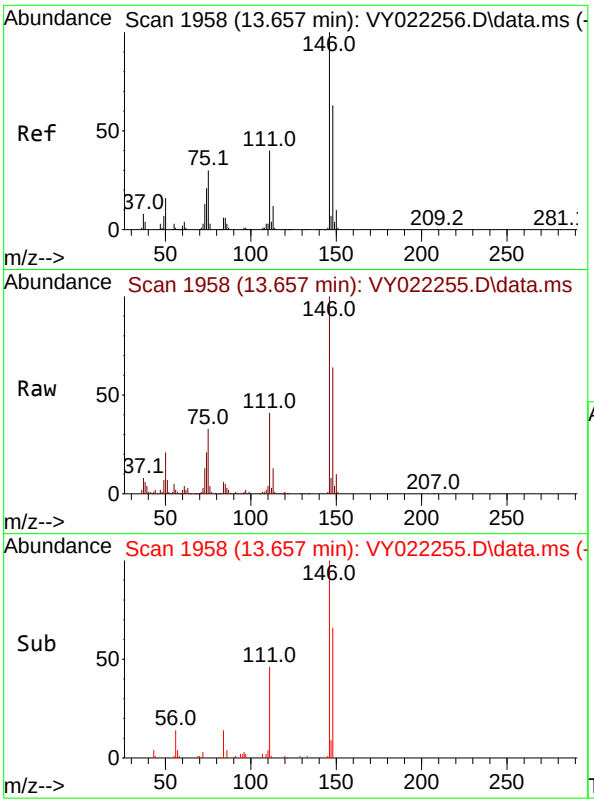


#90
Hexachloroethane
Concen: 19.643 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 50762

Ion	Ratio	Lower	Upper
117	100		
201	72.0	35.2	105.6

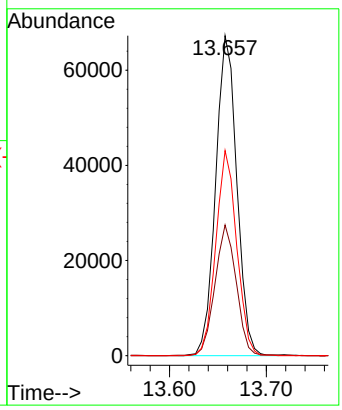




#91
1,2-Dichlorobenzene
Concen: 19.502 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 10207

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.2	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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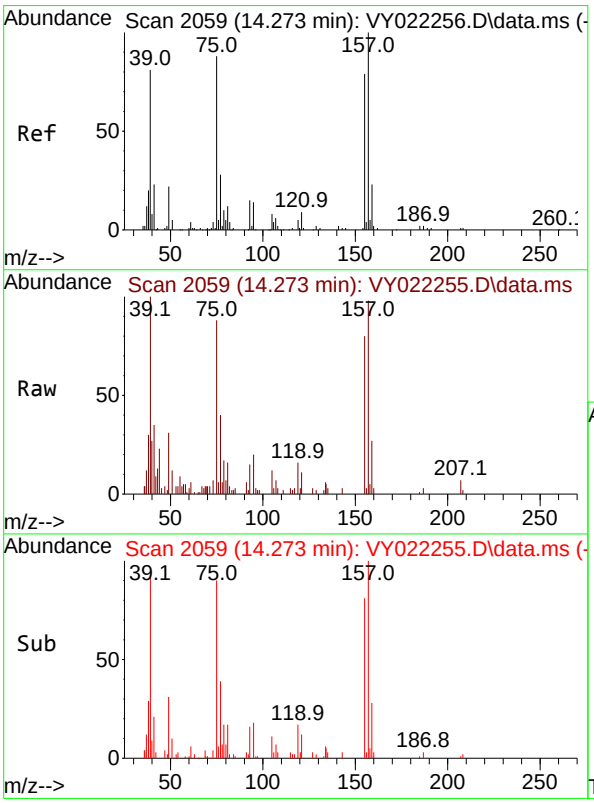
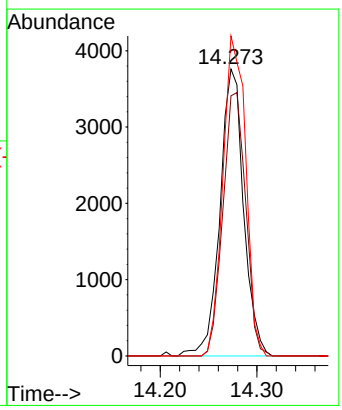
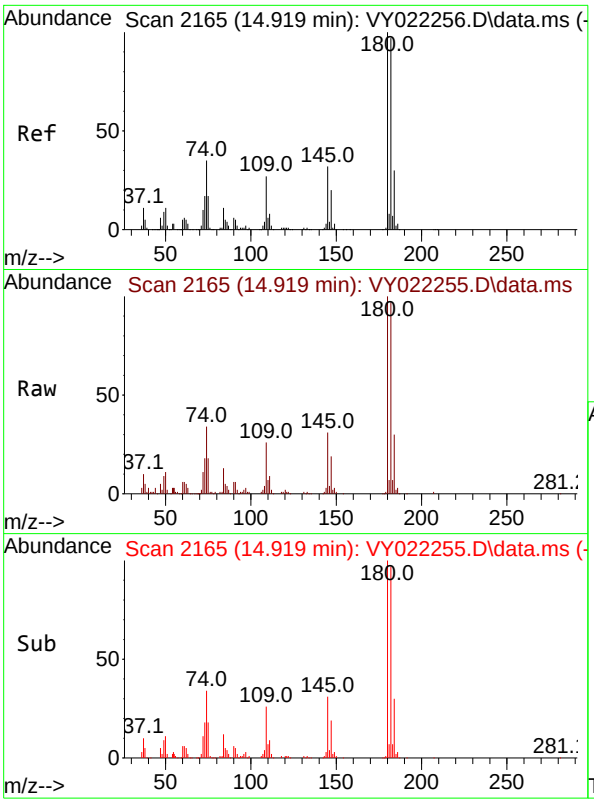


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.021 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 6387

Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.4	130.1
157	107.4	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 19.346 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:180 Resp: 5849

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	31.1	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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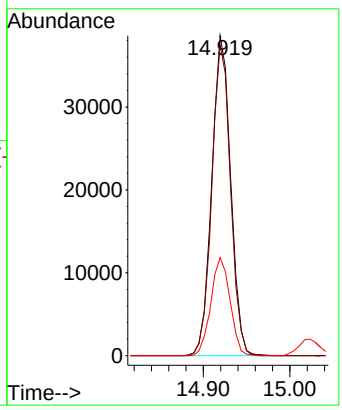
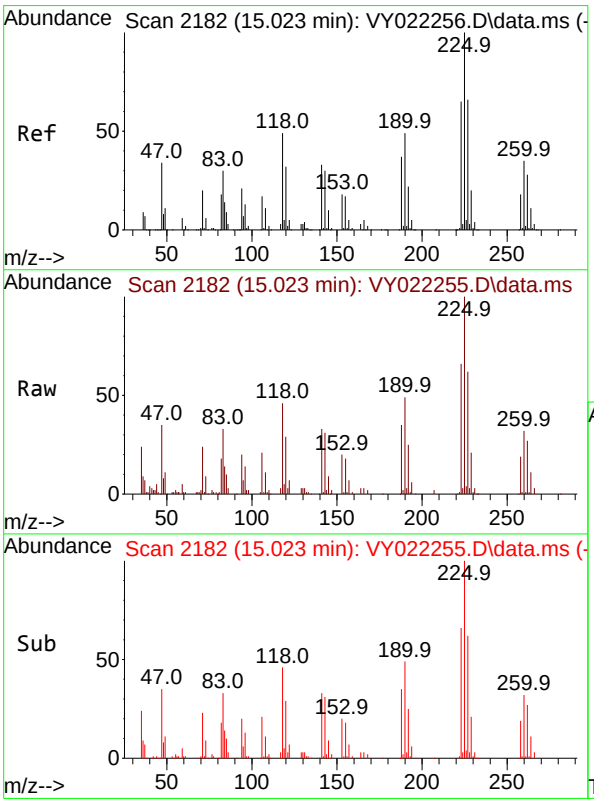
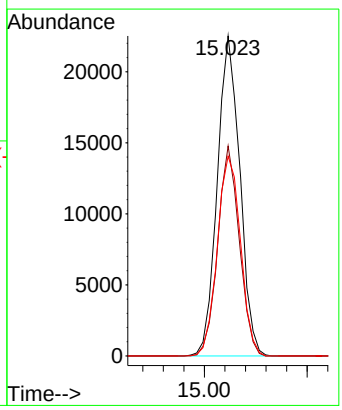


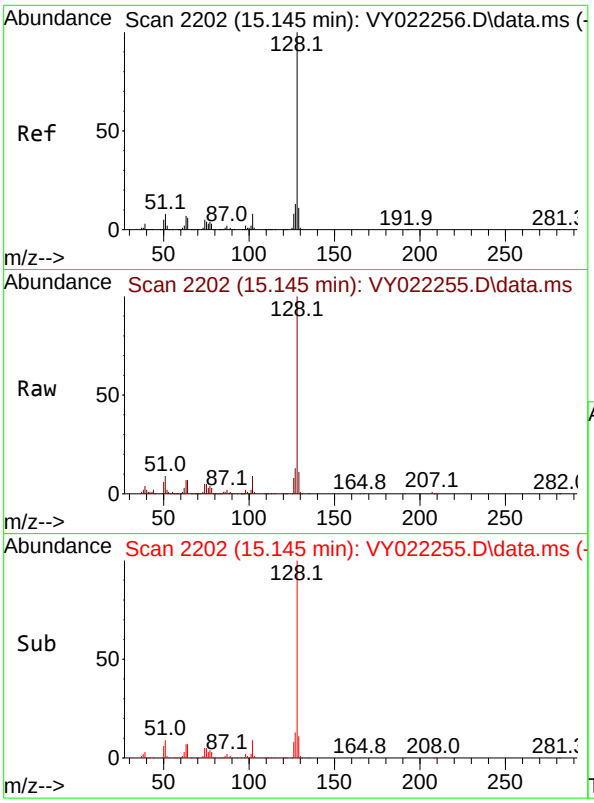


#94
Hexachlorobutadiene
Concen: 20.301 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:225 Resp: 34228

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	64.3	32.1	96.3

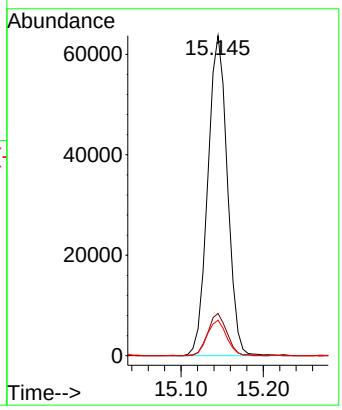




#95
Naphthalene
Concen: 18.362 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:128 Resp: 10535

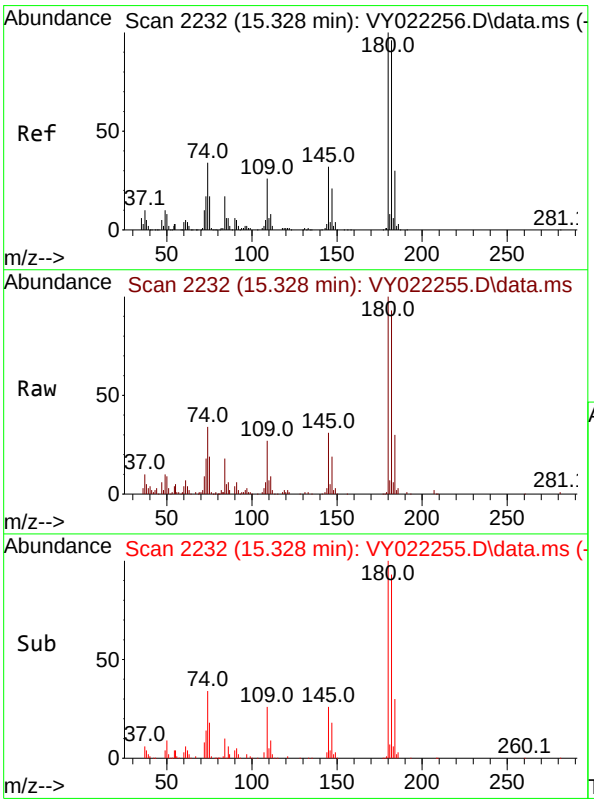
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

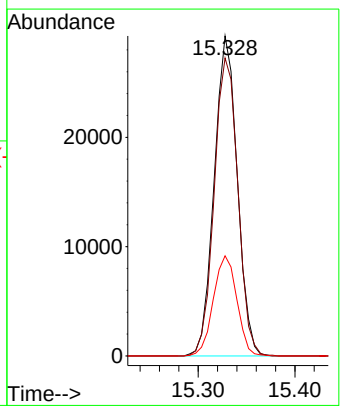
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.888 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:180 Resp: 48444

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	31.9	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	267598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	439323	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	377571	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180358	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	144713	49.481	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.960%				
35) Dibromofluoromethane	7.634	113	132404	50.495	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%				
50) Toluene-d8	10.103	98	540296	50.311	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%				
62) 4-Bromofluorobenzene	12.408	95	169827	49.891	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.780%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	135726	48.608	ug/l		100
3) Chloromethane	2.062	50	278892	47.481	ug/l		100
4) Vinyl Chloride	2.202	62	323792	49.341	ug/l		100
5) Bromomethane	2.592	94	234736	43.941	ug/l		100
6) Chloroethane	2.732	64	202370	49.569	ug/l		100
7) Trichlorofluoromethane	3.050	101	324887	48.898	ug/l		100
8) Diethyl Ether	3.452	74	78670	49.338	ug/l		100
9) 1,1,2-Trichlorotrifluo...	3.818	101	144018	49.930	ug/l		100
10) Methyl Iodide	4.007	142	183918	55.091	ug/l		100
11) Tert butyl alcohol	4.872	59	51598	231.036	ug/l	#	100
12) 1,1-Dichloroethene	3.787	96	144103	50.344	ug/l		100
13) Acrolein	3.653	56	75423	231.010	ug/l		100
14) Allyl chloride	4.379	41	256499	51.106	ug/l		100
15) Acrylonitrile	5.061	53	160496	244.283	ug/l		100
16) Acetone	3.873	43	124421	226.888	ug/l		100
17) Carbon Disulfide	4.104	76	468979	50.244	ug/l		100
18) Methyl Acetate	4.385	43	80820	48.436	ug/l		100
19) Methyl tert-butyl Ether	5.116	73	390412	49.466	ug/l		100
20) Methylene Chloride	4.616	84	159764	45.087	ug/l		100
21) trans-1,2-Dichloroethene	5.110	96	158544	50.181	ug/l		100
22) Diisopropyl ether	6.019	45	531560	50.152	ug/l		100
23) Vinyl Acetate	5.958	43	1570214	245.223	ug/l		100
24) 1,1-Dichloroethane	5.915	63	298823	50.465	ug/l		100
25) 2-Butanone	6.896	43	215828	235.291	ug/l		100
26) 2,2-Dichloropropane	6.884	77	264141	50.153	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	184842	50.698	ug/l		100
28) Bromochloromethane	7.244	49	126541	50.100	ug/l		100
29) Tetrahydrofuran	7.262	42	142772	241.931	ug/l		100
30) Chloroform	7.421	83	288708	50.831	ug/l		100
31) Cyclohexane	7.701	56	282375	47.728	ug/l		100
32) 1,1,1-Trichloroethane	7.616	97	259382	49.777	ug/l		100
36) 1,1-Dichloropropene	7.835	75	221943	51.388	ug/l		100
37) Ethyl Acetate	6.988	43	102924	49.529	ug/l		100
38) Carbon Tetrachloride	7.817	117	226903	50.754	ug/l		100
39) Methylcyclohexane	9.109	83	294336	50.726	ug/l		100
40) Benzene	8.079	78	658644	51.442	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	69476m	45.691 ug/l		
42) 1,2-Dichloroethane	8.158	62	176425	50.954 ug/l		100
43) Isopropyl Acetate	8.195	43	225628	49.785 ug/l		100
44) Trichloroethene	8.866	130	162802	51.138 ug/l		100
45) 1,2-Dichloropropane	9.140	63	156870	50.819 ug/l		100
46) Dibromomethane	9.231	93	82994	49.849 ug/l		100
47) Bromodichloromethane	9.420	83	222159	51.435 ug/l		100
48) Methyl methacrylate	9.219	41	105390	49.726 ug/l		100
49) 1,4-Dioxane	9.231	88	18027	958.446 ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	556123	250.085 ug/l		100
52) Toluene	10.170	92	414584	51.134 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	213993	50.768 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	246990	51.143 ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	106676	50.036 ug/l		100
56) Ethyl methacrylate	10.438	69	167259	50.364 ug/l		100
57) 1,3-Dichloropropane	10.719	76	192275	50.759 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	403074	270.408 ug/l		100
59) 2-Hexanone	10.762	43	365111	244.881 ug/l		100
60) Dibromochloromethane	10.908	129	141896	51.278 ug/l		100
61) 1,2-Dibromoethane	11.012	107	99822	50.236 ug/l		100
64) Tetrachloroethene	10.646	164	178854	51.249 ug/l		100
65) Chlorobenzene	11.438	112	435874	51.169 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	148798	50.811 ug/l		100
67) Ethyl Benzene	11.518	91	821168	51.473 ug/l		100
68) m/p-Xylenes	11.627	106	617646	102.746 ug/l		100
69) o-Xylene	11.950	106	289897	50.971 ug/l		100
70) Styrene	11.969	104	491792	51.260 ug/l		100
71) Bromoform	12.133	173	78794	49.849 ug/l	#	100
73) Isopropylbenzene	12.255	105	756905	50.657 ug/l		100
74) N-amyl acetate	12.066	43	209097	48.930 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	113234	49.277 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	90281m	28.402 ug/l		
77) Bromobenzene	12.530	156	161475	50.599 ug/l		100
78) n-propylbenzene	12.597	91	924664	51.306 ug/l		100
79) 2-Chlorotoluene	12.676	91	505684	51.058 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	615033	50.991 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	42692	47.331 ug/l		100
82) 4-Chlorotoluene	12.773	91	524270	51.464 ug/l		100
83) tert-Butylbenzene	12.999	119	546231	50.952 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	615550	51.410 ug/l		100
85) sec-Butylbenzene	13.176	105	824725	51.825 ug/l		100
86) p-Isopropyltoluene	13.292	119	688561	51.446 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	331536	50.890 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	315598	50.363 ug/l		100
89) n-Butylbenzene	13.615	91	661532	52.245 ug/l		100
90) Hexachloroethane	13.877	117	137225	50.791 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	276666	50.558 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18039	48.682 ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	162275	51.338 ug/l		100
94) Hexachlorobutadiene	15.023	225	90452	51.313 ug/l		100
95) Naphthalene	15.145	128	298075	49.692 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	135673	50.596 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

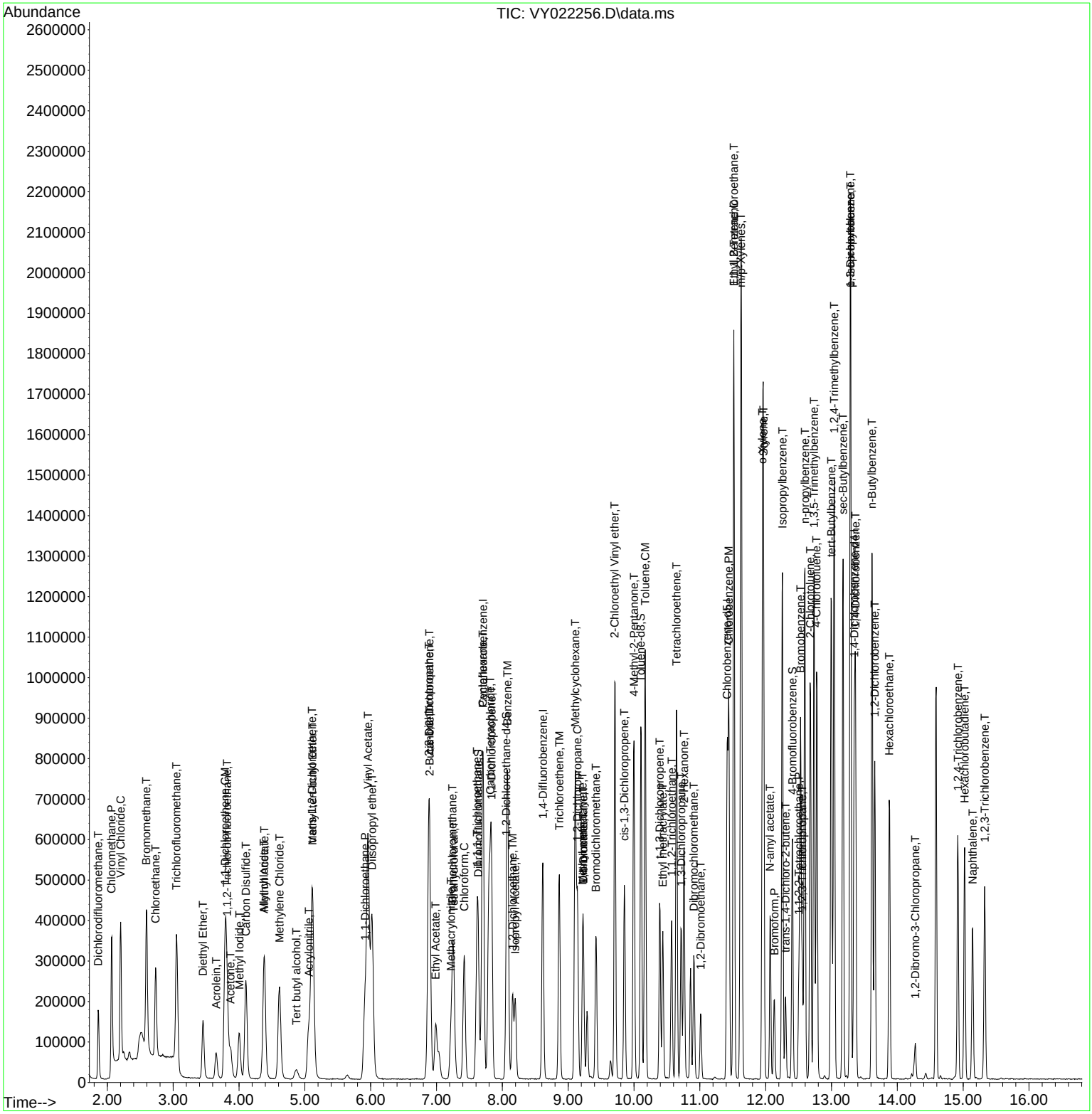
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

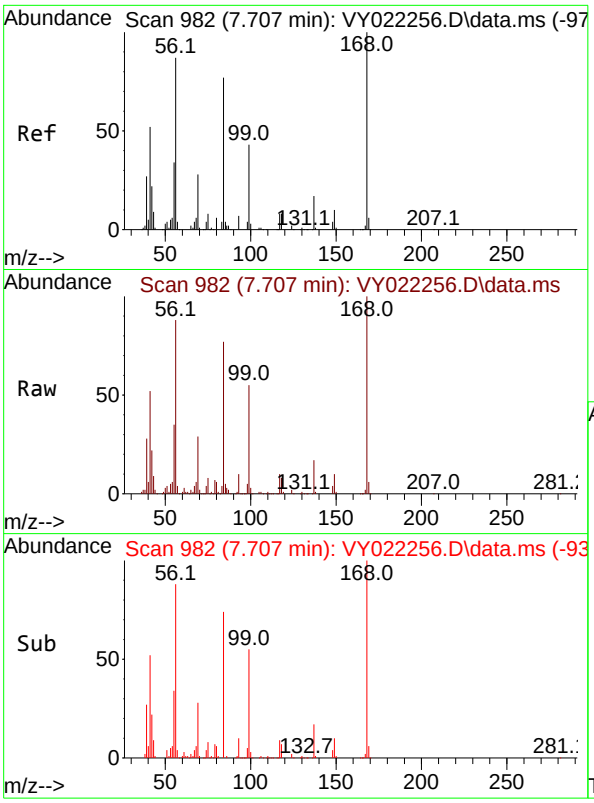
Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

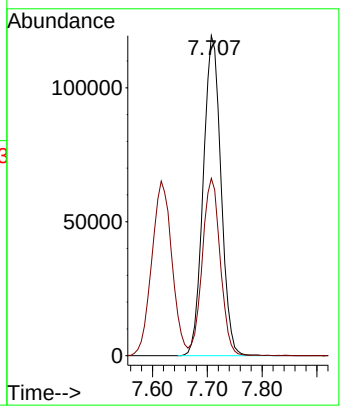




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:168 Resp: 26759

Ion	Ratio	Lower	Upper
168	100		
99	55.3	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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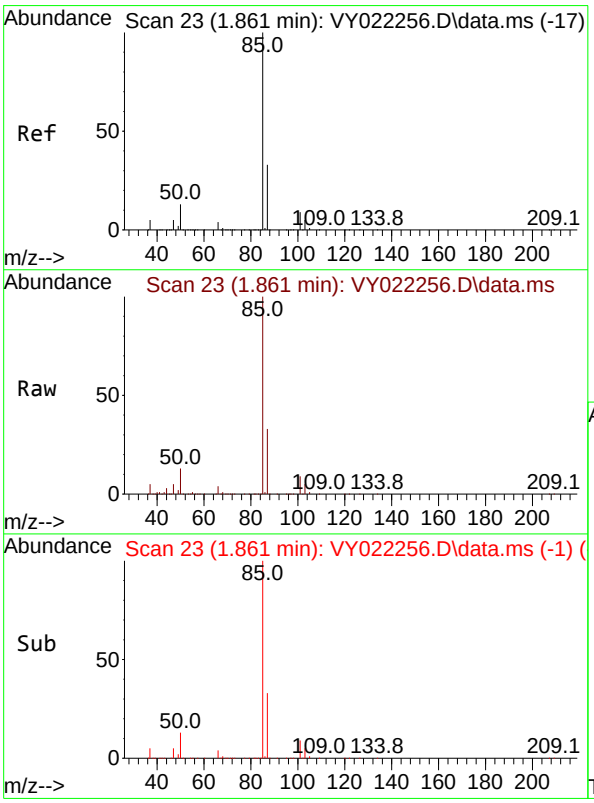
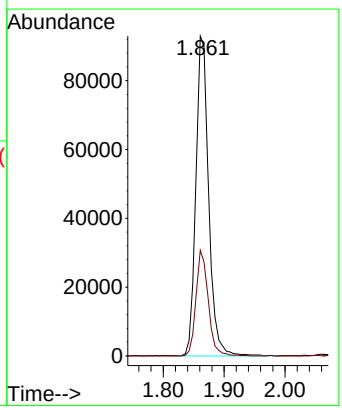
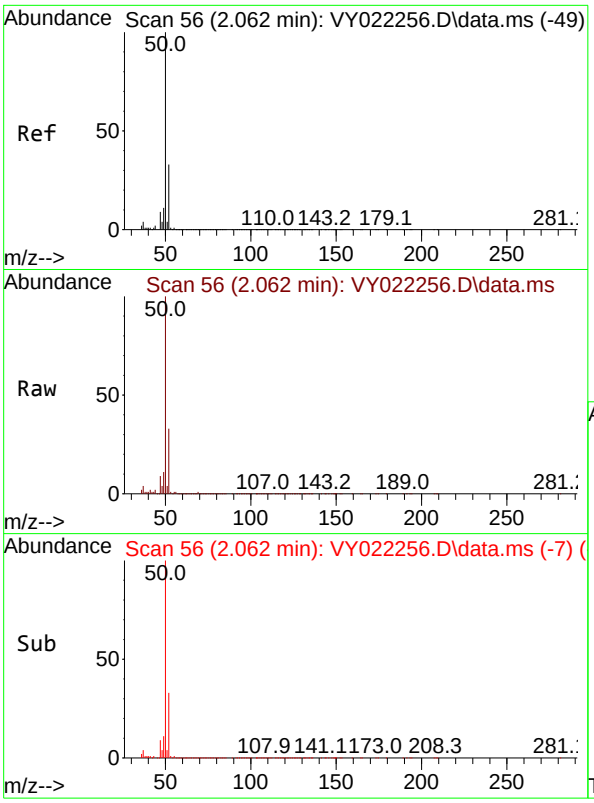


#2
Dichlorodifluoromethane
Concen: 48.608 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 85 Resp: 135726

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5

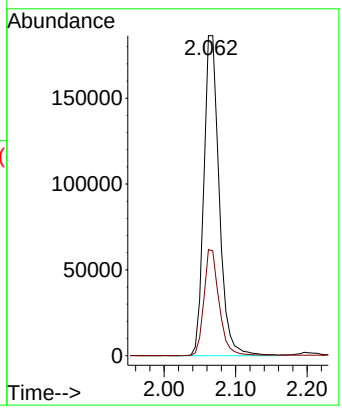




#3
Chloromethane
Concen: 47.481 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 50 Resp: 27889

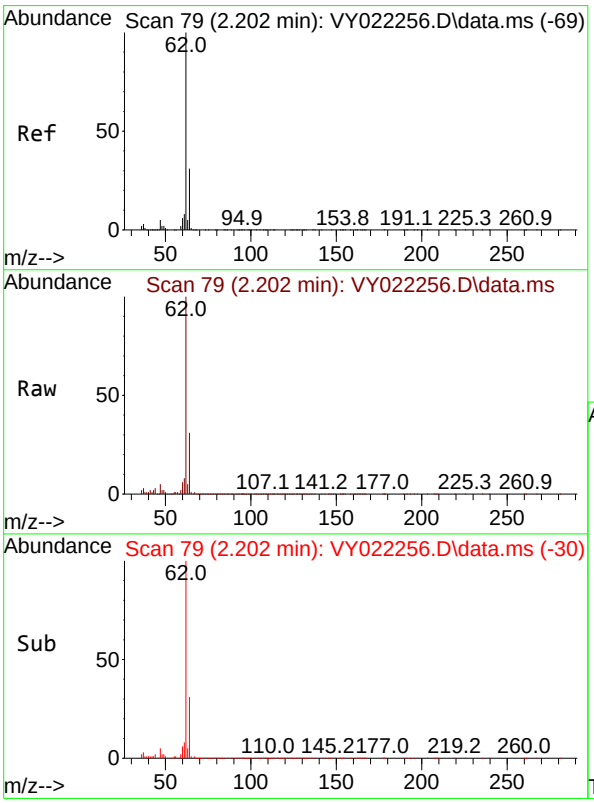
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

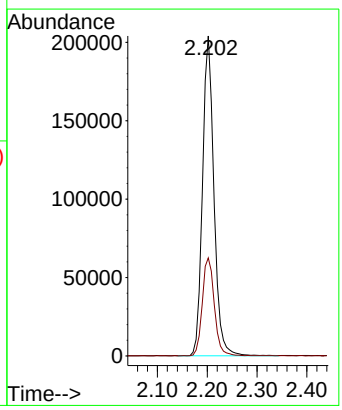
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

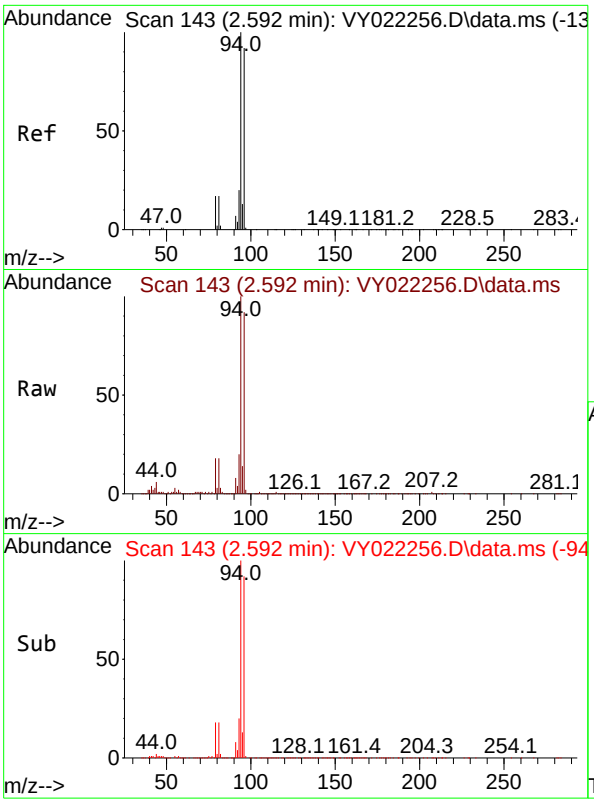


#4
Vinyl Chloride
Concen: 49.341 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 323792

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7





#5
Bromomethane
Concen: 43.941 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

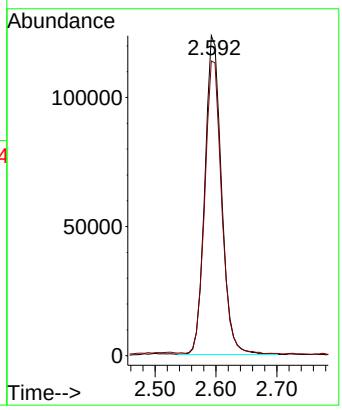
Tgt Ion: 94 Resp: 23473

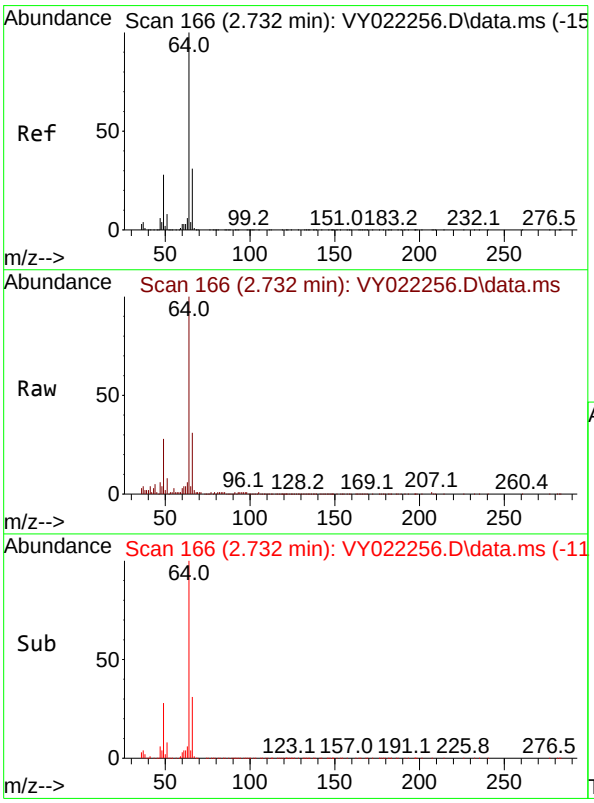
Ion	Ratio	Lower	Upper
94	100		
96	91.7	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

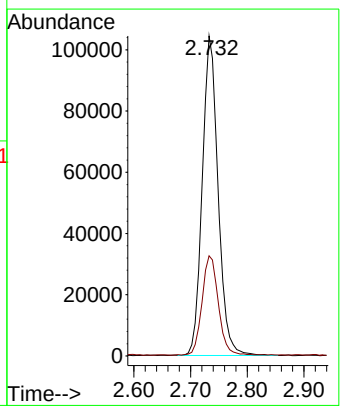


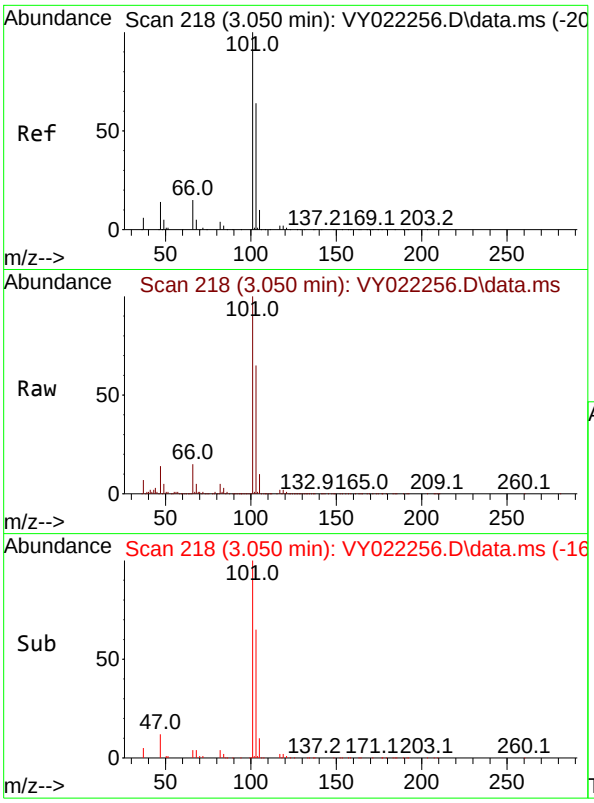


#6
Chloroethane
Concen: 49.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 64 Resp: 202370

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.8	37.2

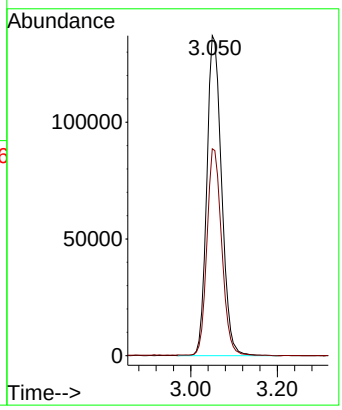




#7
Trichlorofluoromethane
Concen: 48.898 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:101 Resp: 32488

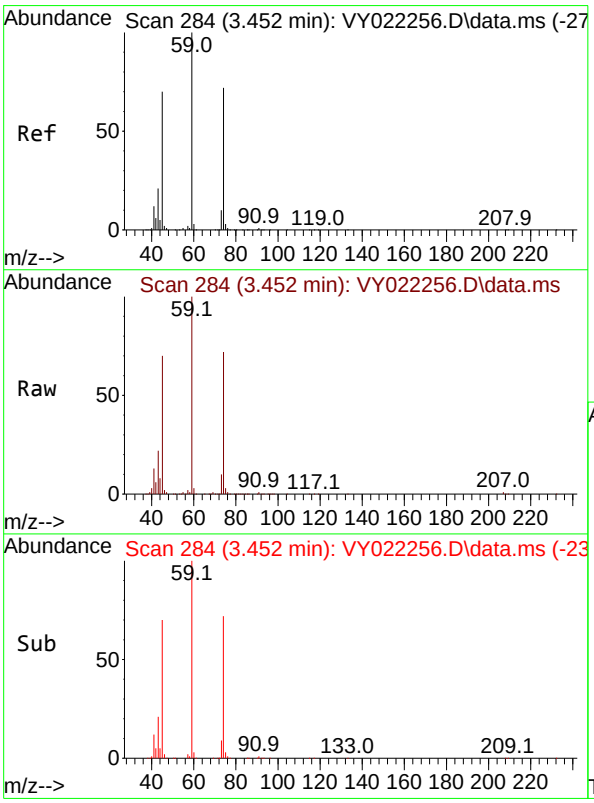
Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

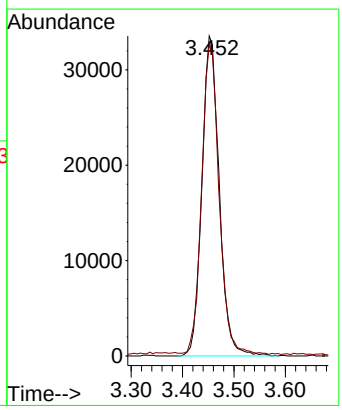
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

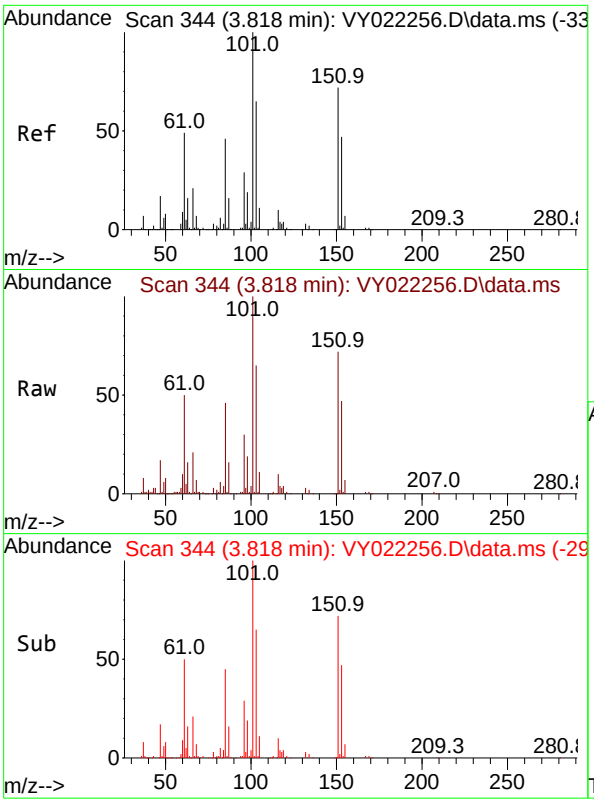


#8
Diethyl Ether
Concen: 49.338 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 74 Resp: 78670

Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.930 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

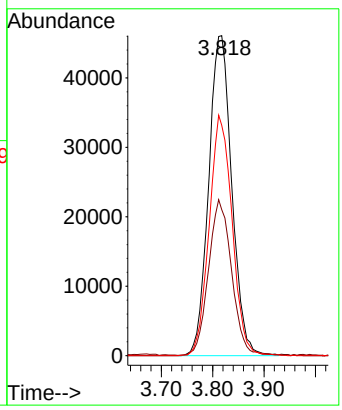
Tgt Ion:101 Resp: 144018

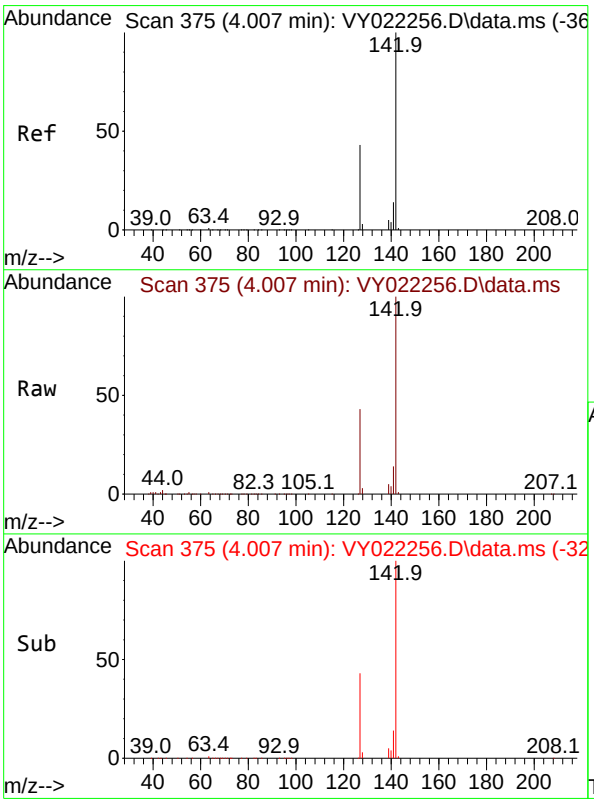
Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	74.6	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

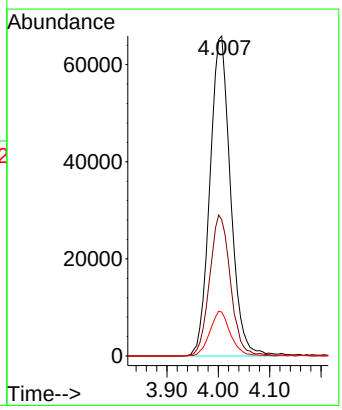


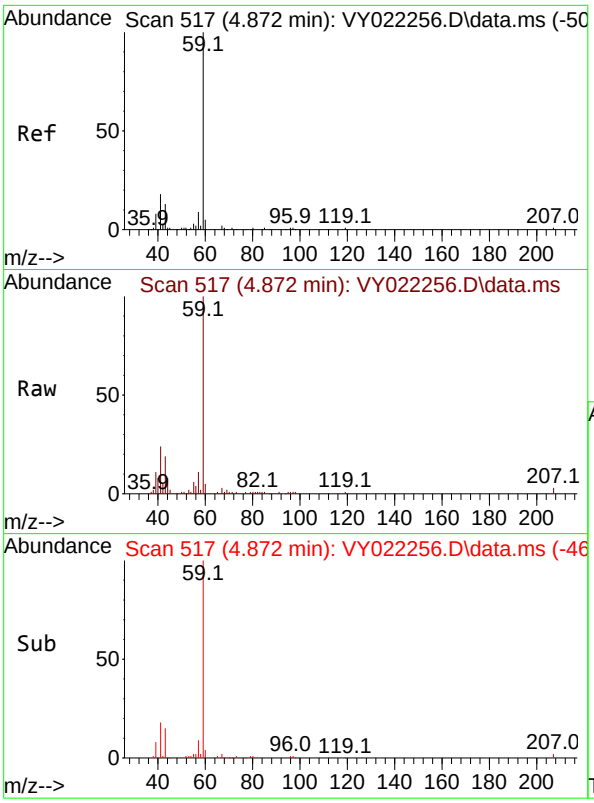


#10
Methyl Iodide
Concen: 55.091 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:142 Resp: 183918

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.7	53.5
141	13.9	11.1	16.7





#11
Tert butyl alcohol
Concen: 231.036 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

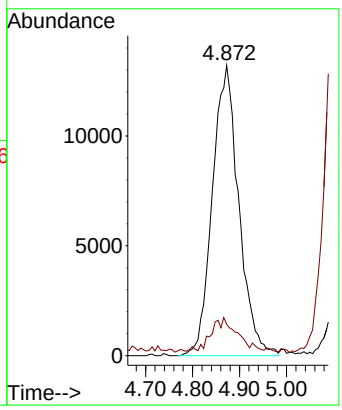
Tgt Ion: 59 Resp: 5159

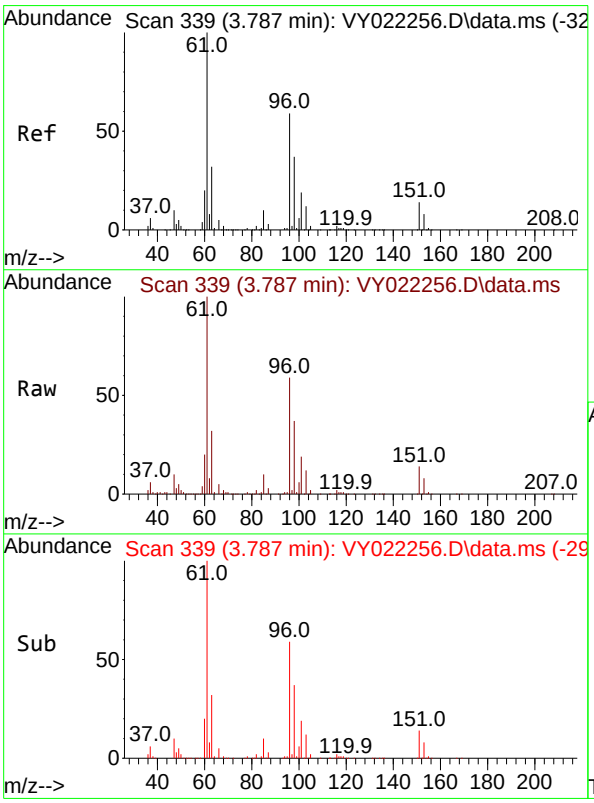
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

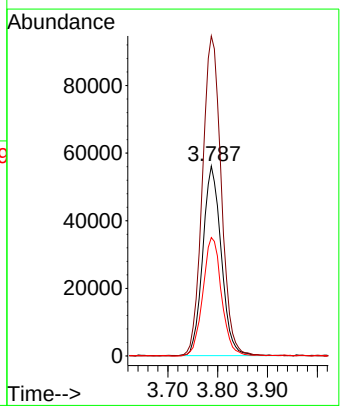


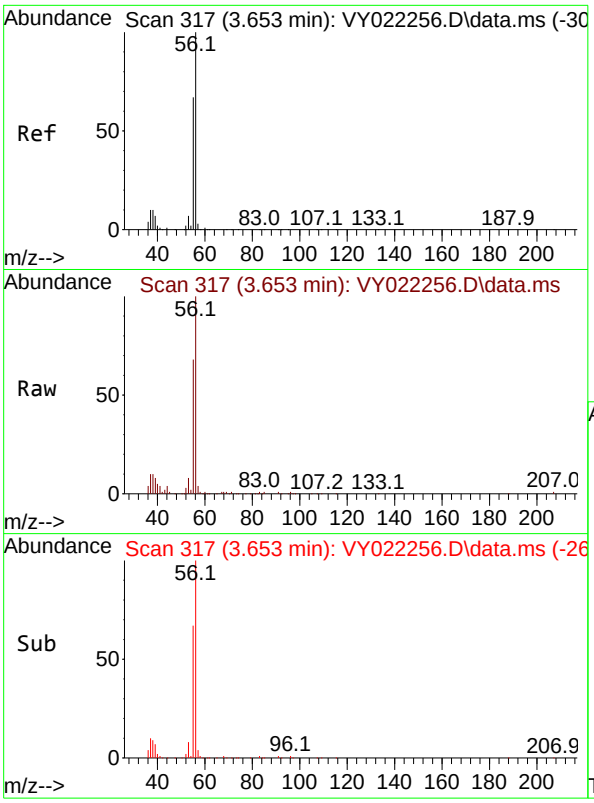


#12
1,1-Dichloroethene
Concen: 50.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 144103

Ion	Ratio	Lower	Upper
96	100		
61	168.6	134.9	202.3
98	62.4	49.9	74.9





#13
Acrolein
Concen: 231.010 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 56 Resp: 7542

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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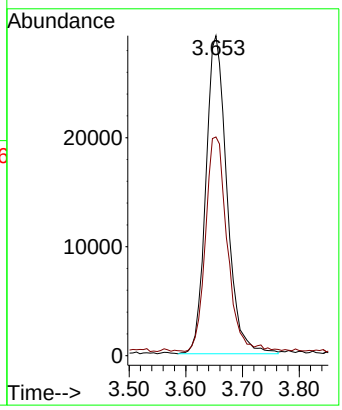
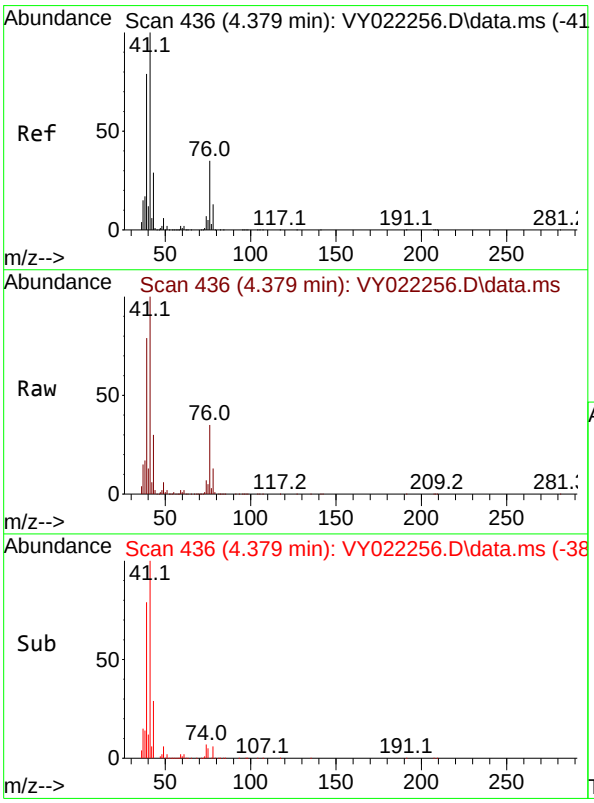
Supervised By :Semsettin Yesilyurt 05/16/2025

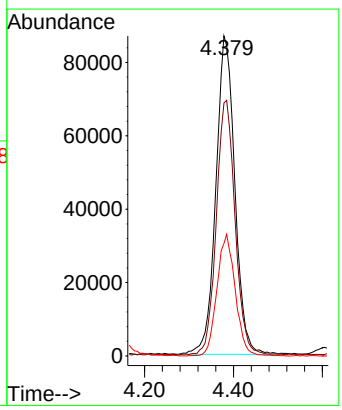


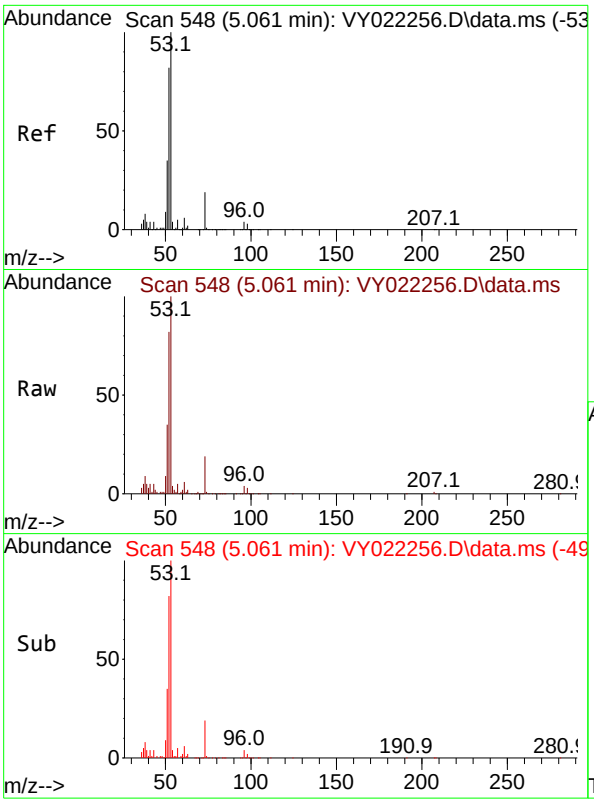


#14
Allyl chloride
Concen: 51.106 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 256499

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.9	29.5	44.3

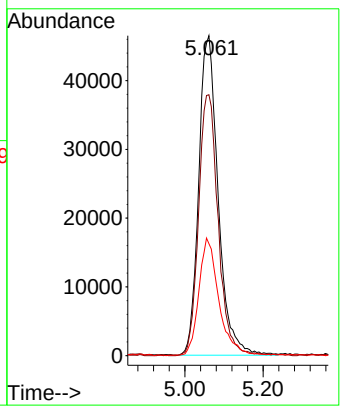




#15
Acrylonitrile
Concen: 244.283 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 53 Resp: 16049

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.5	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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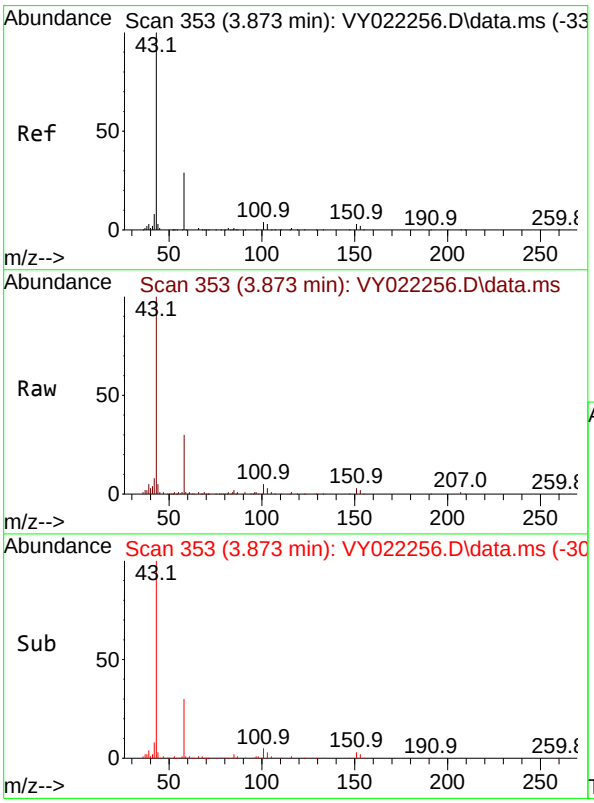
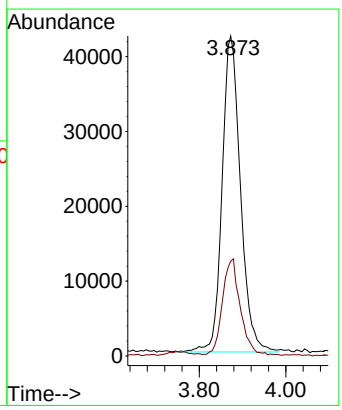
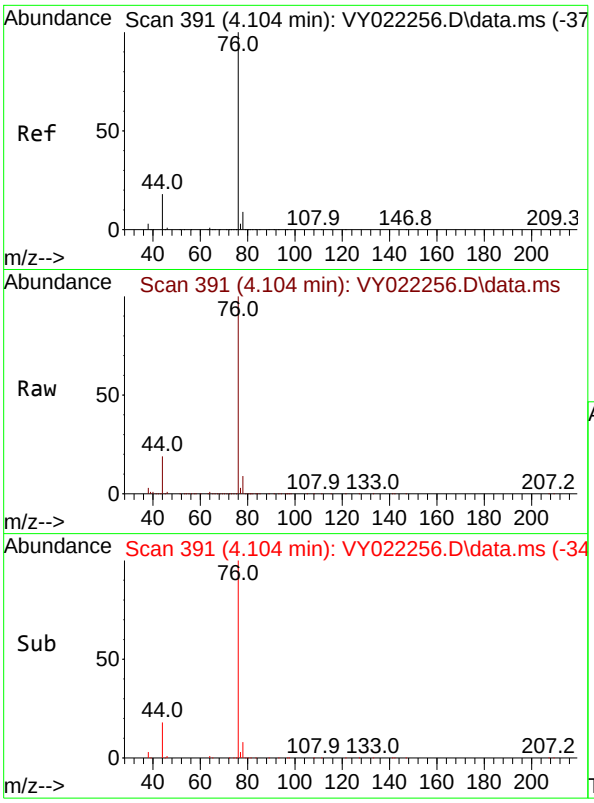


#16
Acetone
Concen: 226.888 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 124421

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4

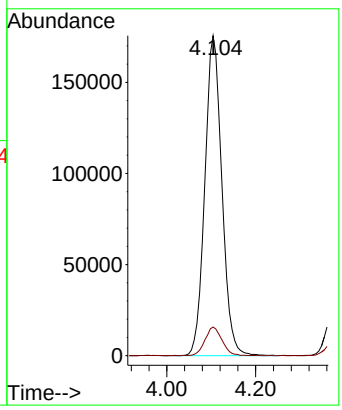




#17
Carbon Disulfide
Concen: 50.244 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 76 Resp: 46897

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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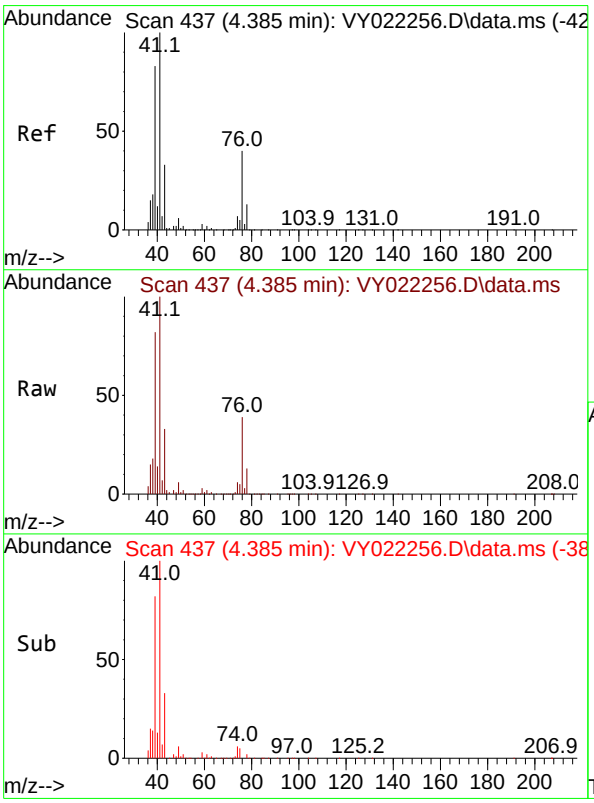
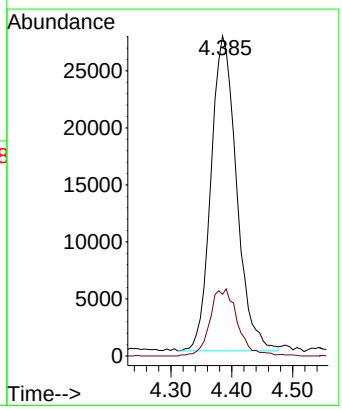
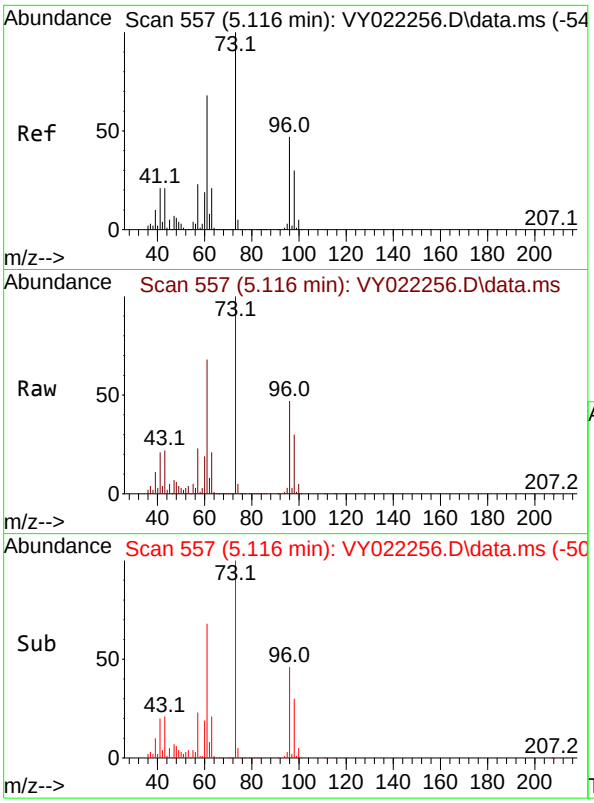


#18
Methyl Acetate
Concen: 48.436 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 80820

Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.2	27.4

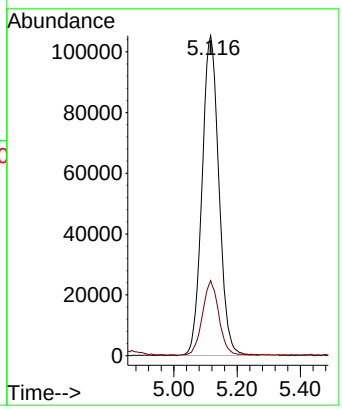




#19
Methyl tert-butyl Ether
Concen: 49.466 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 73 Resp: 39041

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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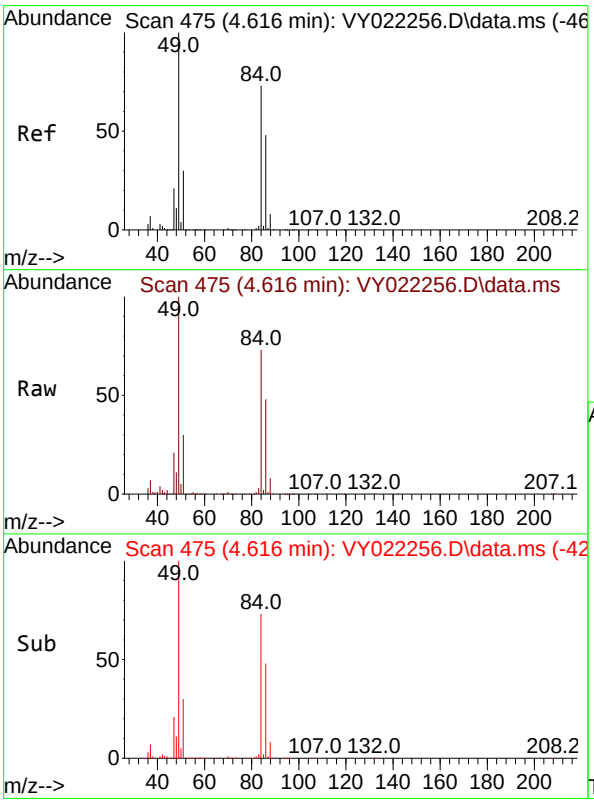
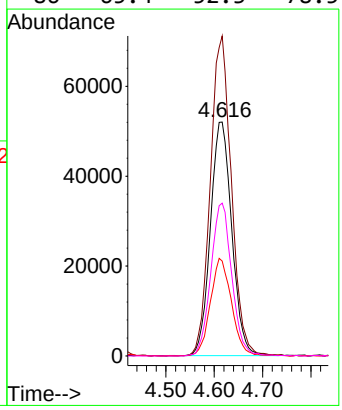
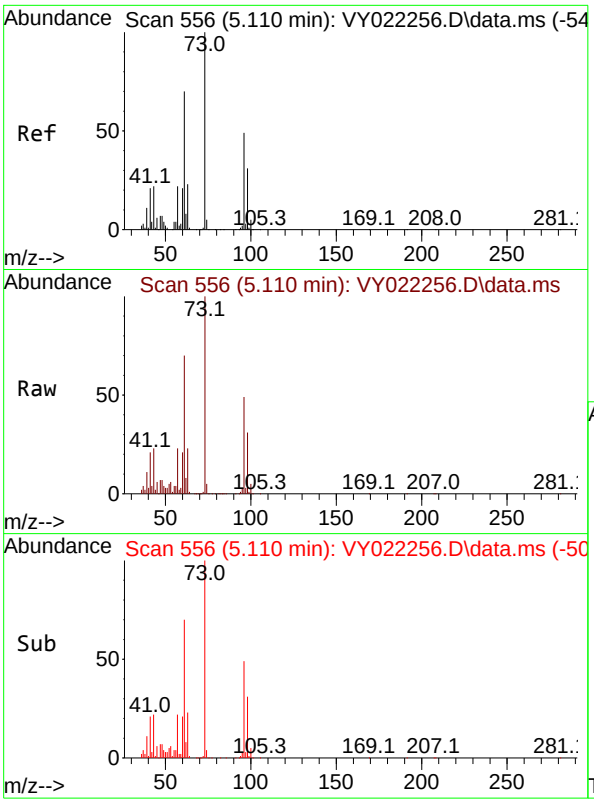


#20
Methylene Chloride
Concen: 45.087 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 84 Resp: 159764

Ion	Ratio	Lower	Upper
84	100		
49	137.0	109.6	164.4
51	40.5	32.4	48.6
86	65.4	52.3	78.5

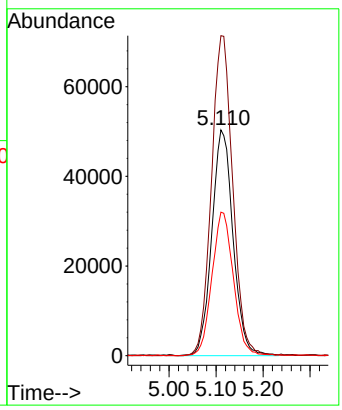




#21
trans-1,2-Dichloroethene
Concen: 50.181 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 15854

Ion	Ratio	Lower	Upper
96	100		
61	141.7	113.4	170.0
98	63.6	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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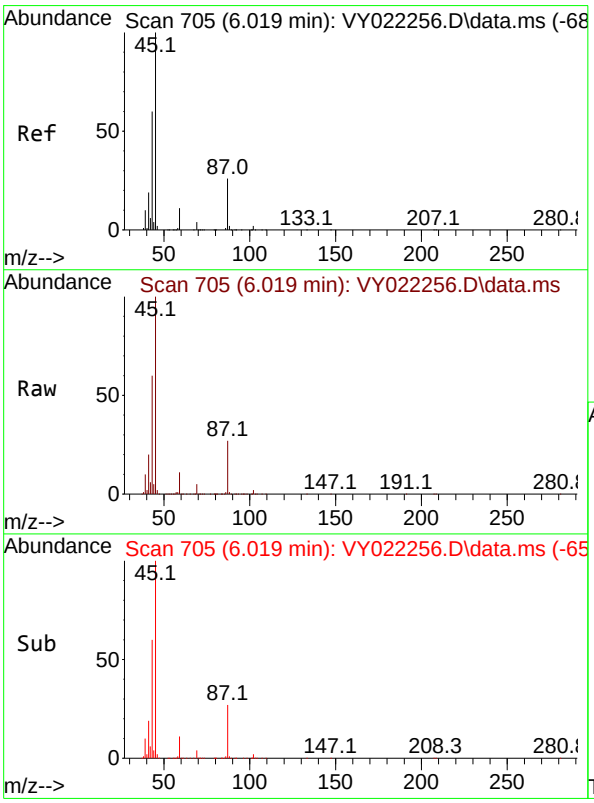
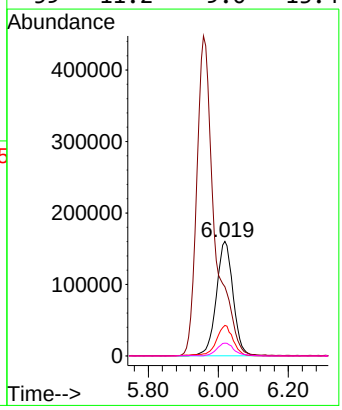
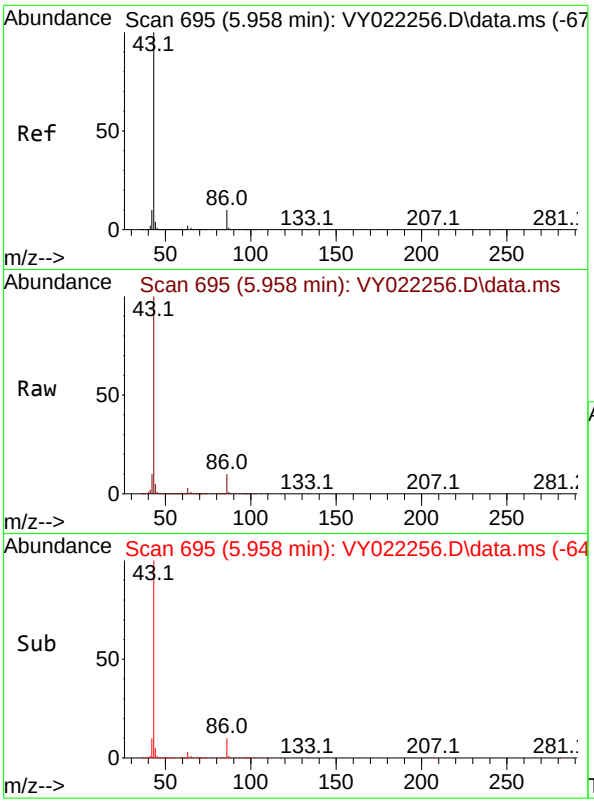


#22
Diisopropyl ether
Concen: 50.152 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 45 Resp: 531560

Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	26.7	21.4	32.0
59	11.2	9.0	13.4

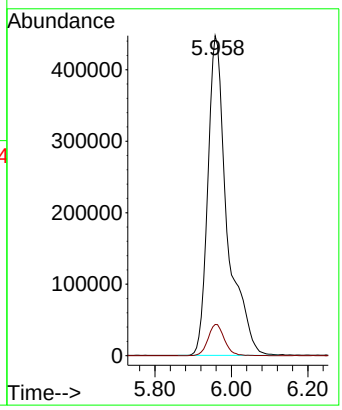




#23
Vinyl Acetate
Concen: 245.223 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 157021

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
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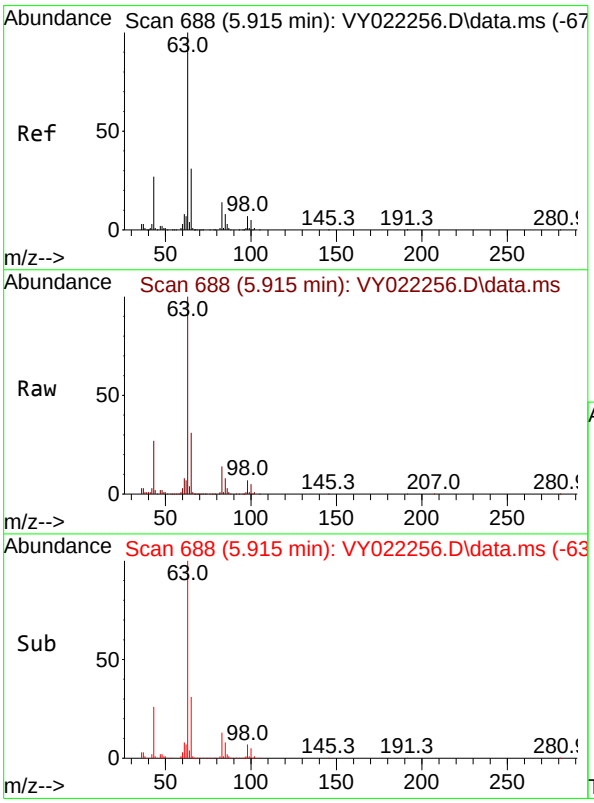
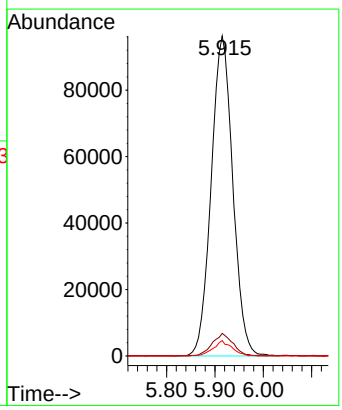
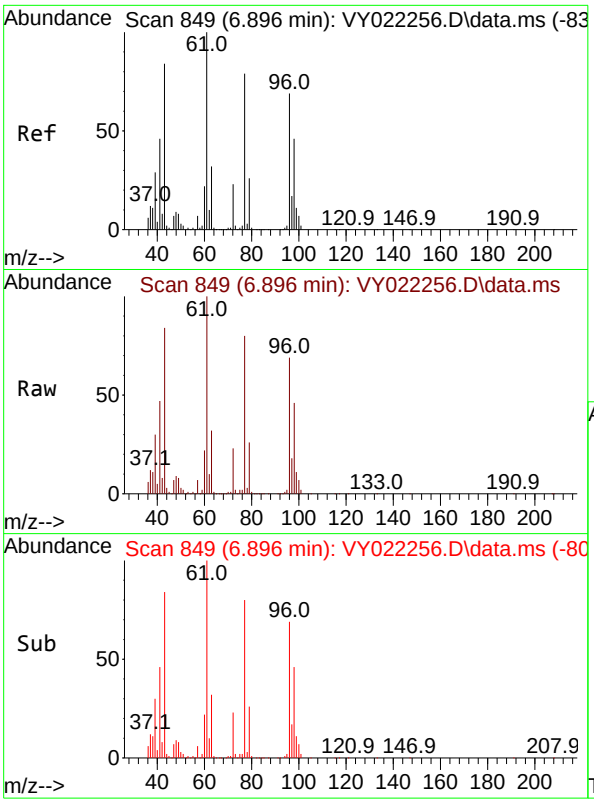


#24
1,1-Dichloroethane
Concen: 50.465 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 298823

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.8	2.4	7.2





#25
2-Butanone
Concen: 235.291 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 21582

Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
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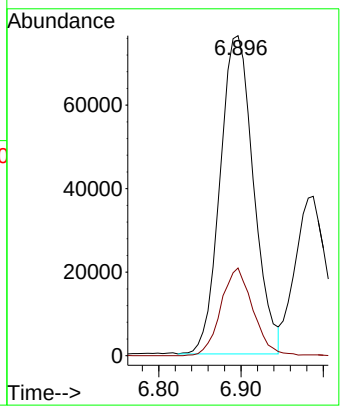
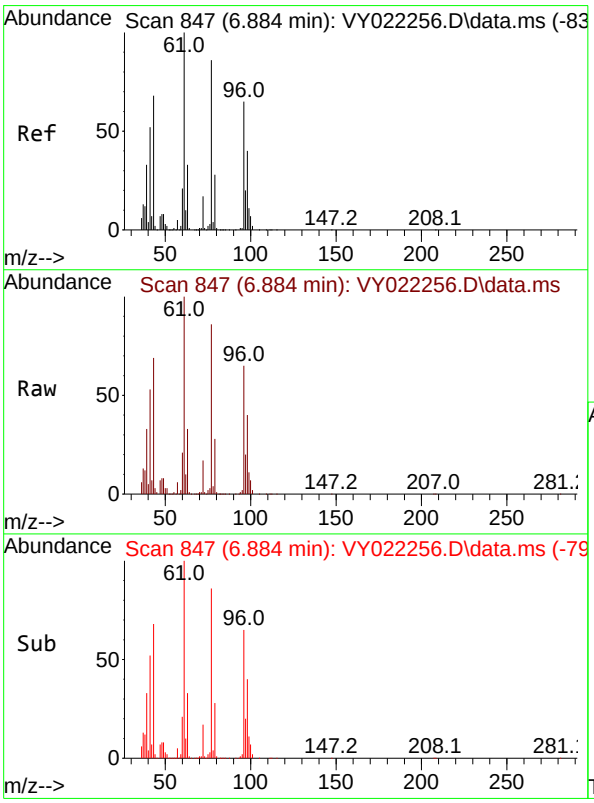
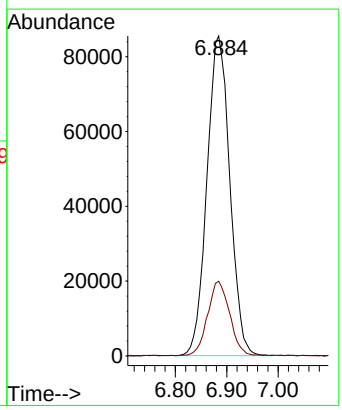


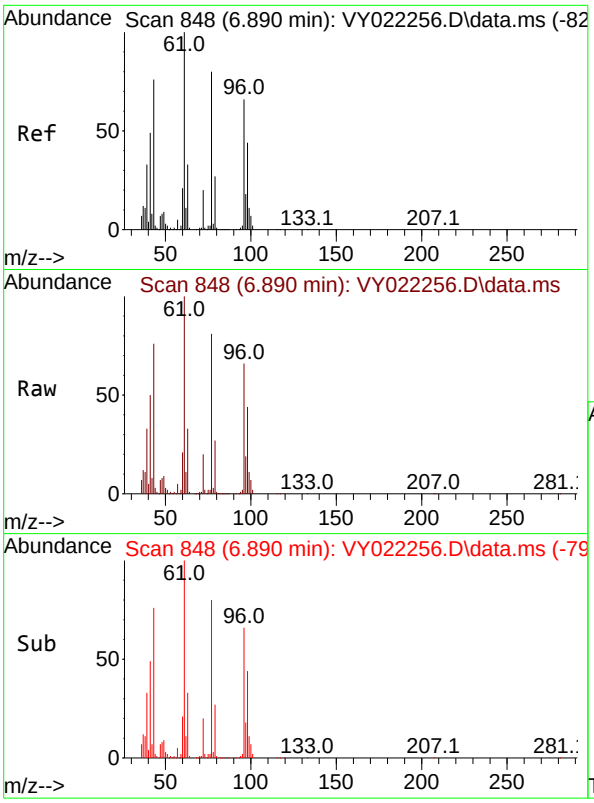


#26
2,2-Dichloropropane
Concen: 50.153 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 77 Resp: 264141

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5

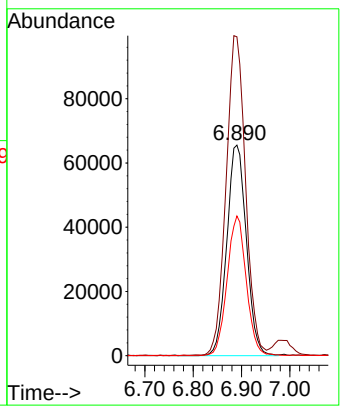




#27
cis-1,2-Dichloroethene
Concen: 50.698 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 18484

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	302.6
98	64.4	0.0	128.8



Instrument :
MSVOA_Y
ClientSampleId :
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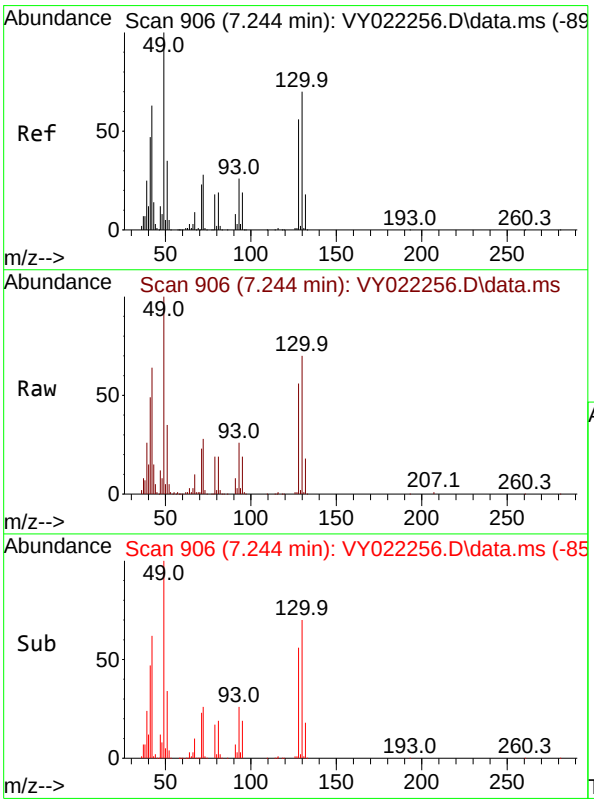
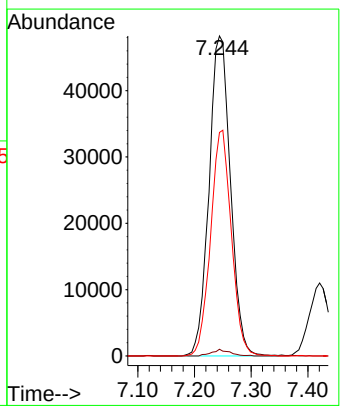
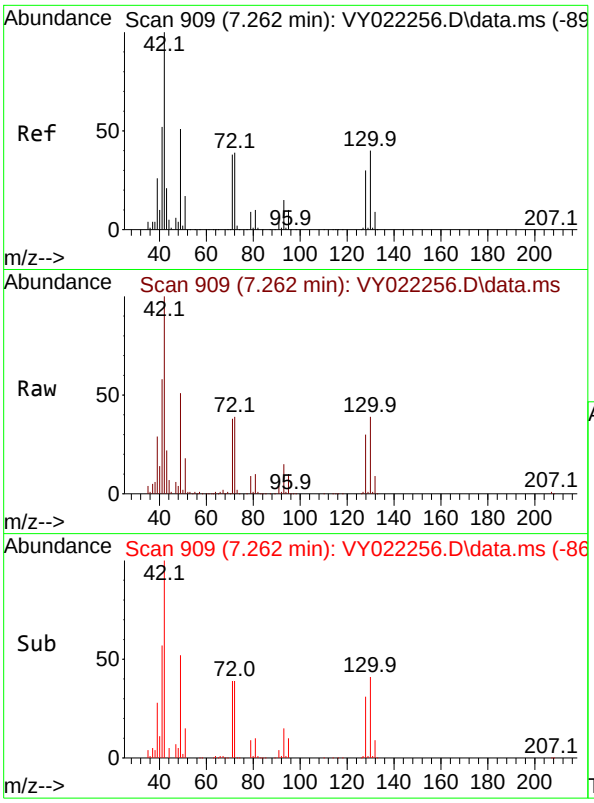


#28
Bromochloromethane
Concen: 50.100 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 49 Resp: 126541

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.4	54.7	82.1

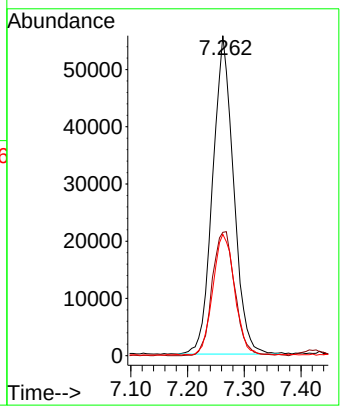




#29
Tetrahydrofuran
Concen: 241.931 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 42 Resp: 14277

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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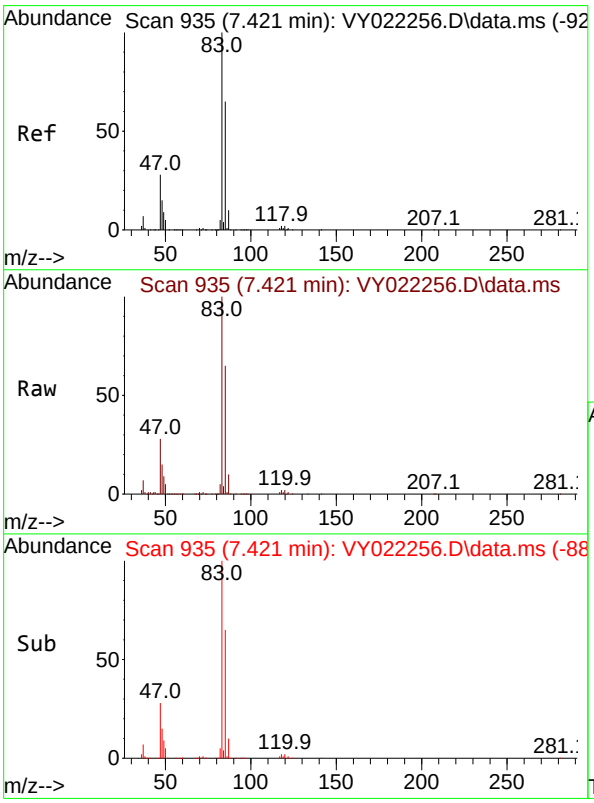
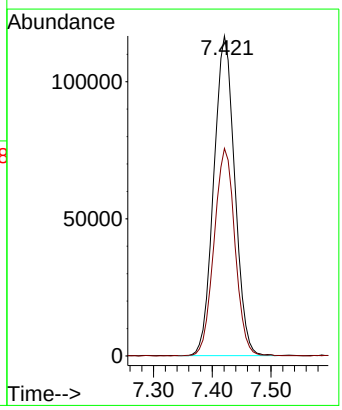
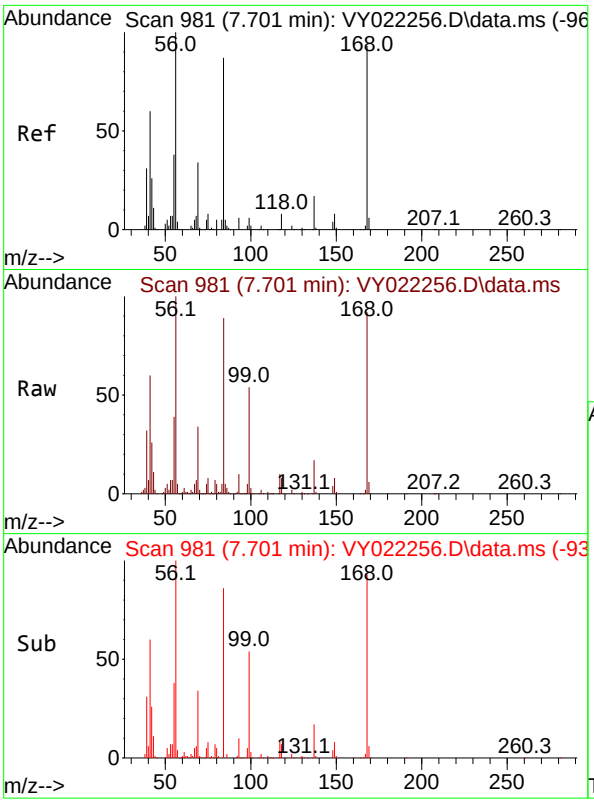


#30
Chloroform
Concen: 50.831 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 288708

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8

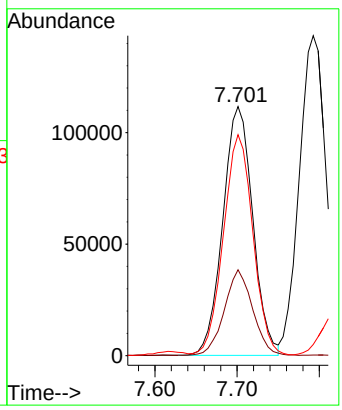




#31
Cyclohexane
Concen: 47.728 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 56 Resp: 28237

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.4	41.2
84	87.5	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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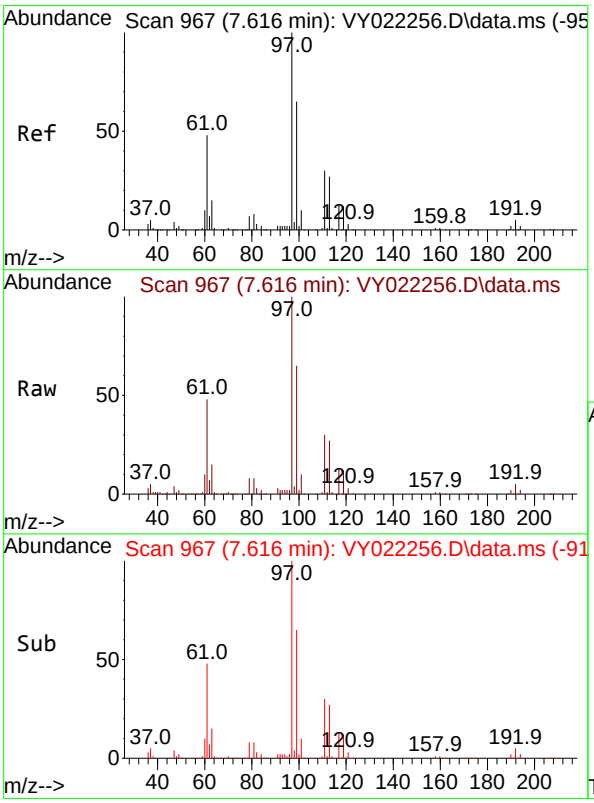
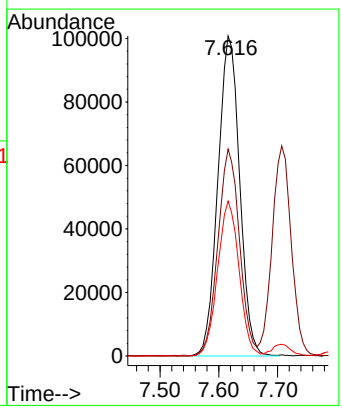
Supervised By :Semsettin Yesilyurt 05/16/2025

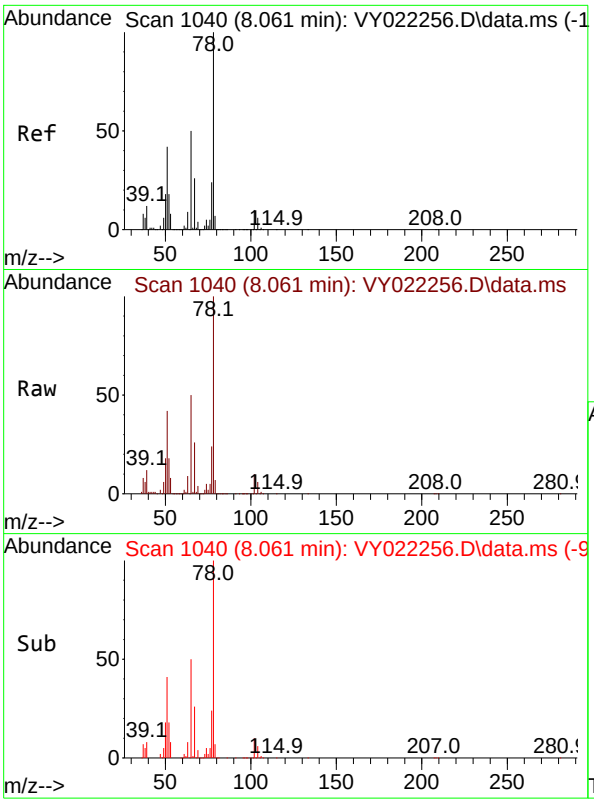


#32
1,1,1-Trichloroethane
Concen: 49.777 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 97 Resp: 259382

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.6	38.1	57.1

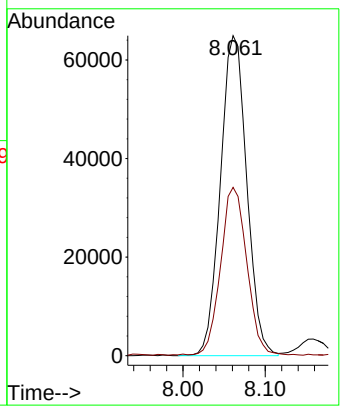




#33
1,2-Dichloroethane-d4
Concen: 49.481 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 65 Resp: 14471

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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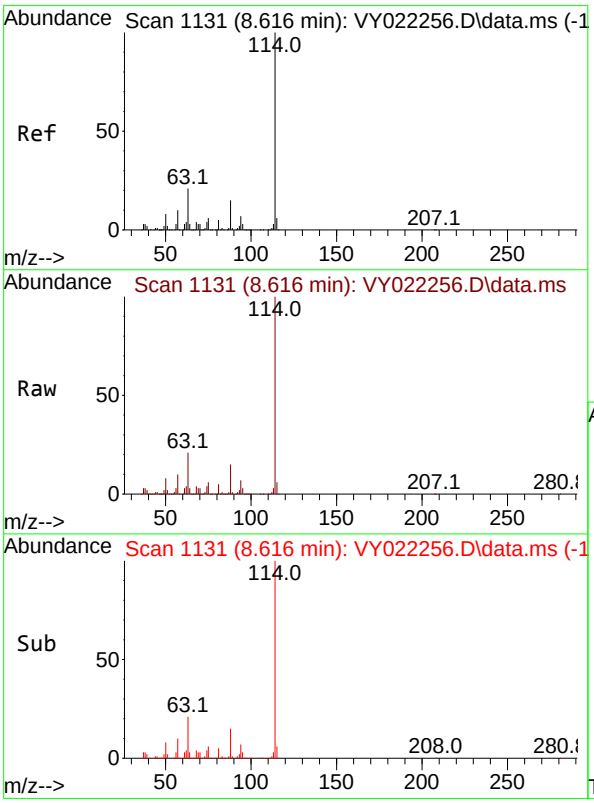
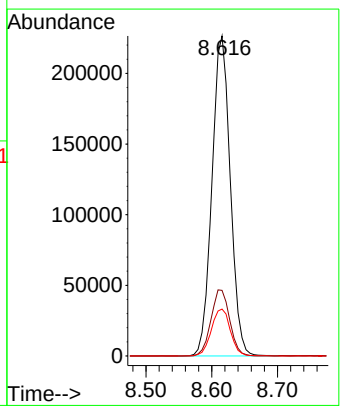
Supervised By :Semsettin Yesilyurt 05/16/2025

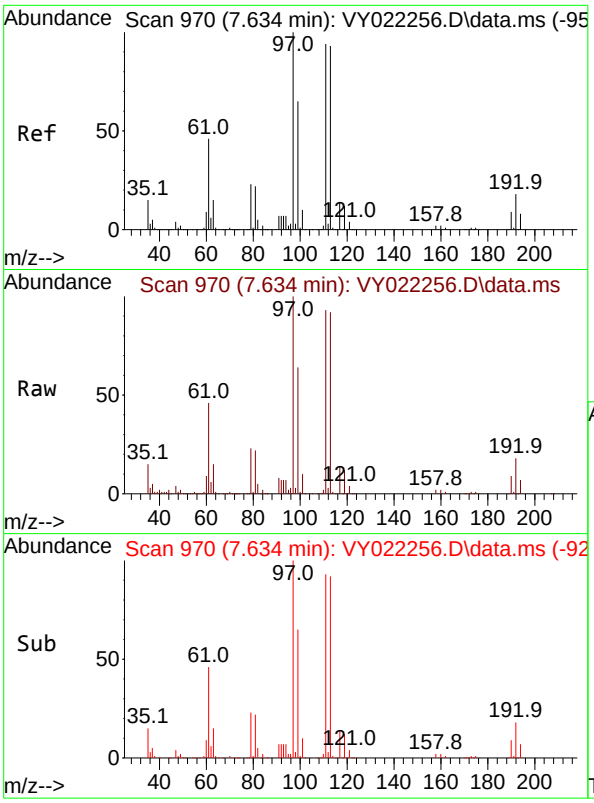


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:114 Resp: 439323

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	14.7	0.0	29.4

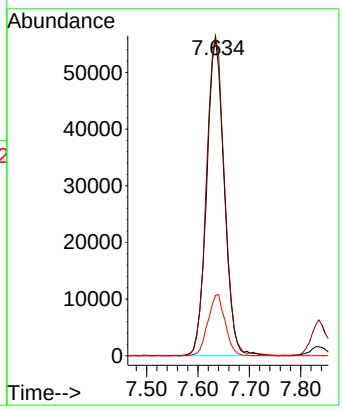




#35
Dibromofluoromethane
Concen: 50.495 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:113 Resp: 13240

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	19.0	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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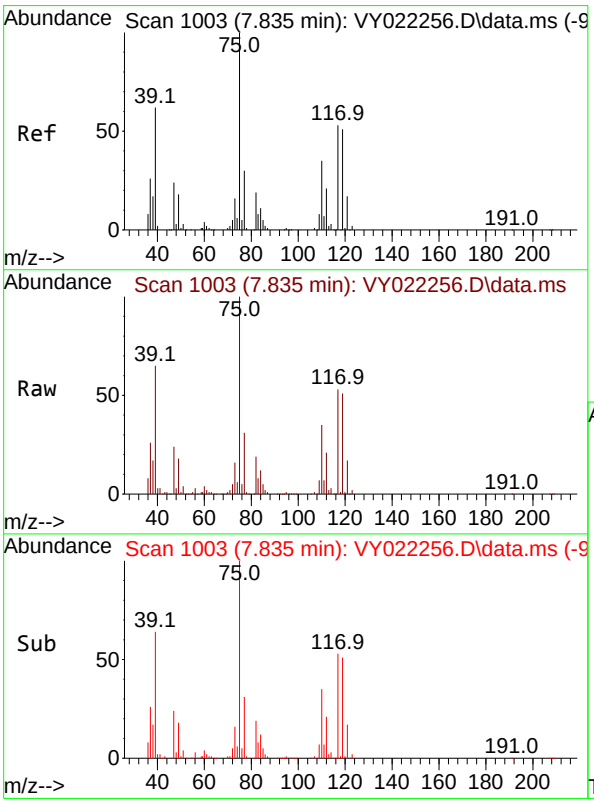
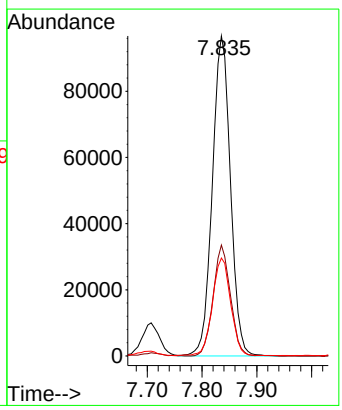
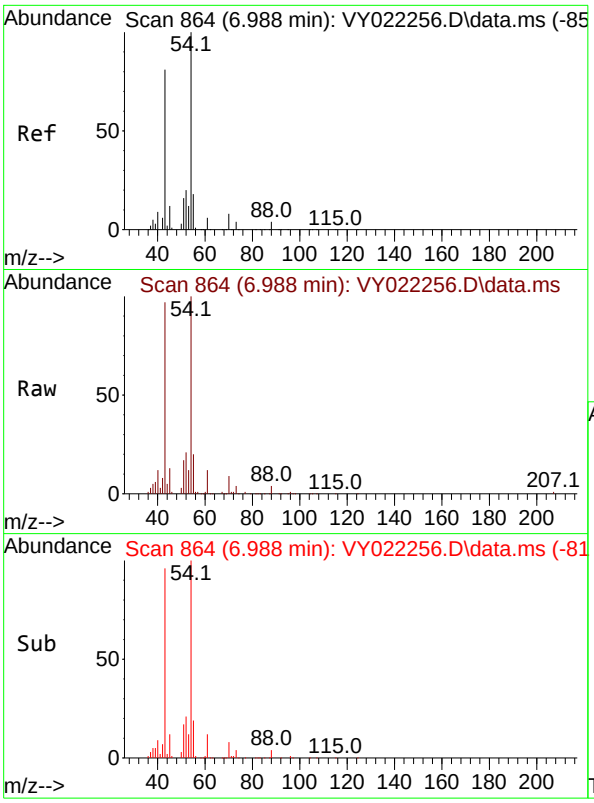


#36
1,1-Dichloropropene
Concen: 51.388 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 221943

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.8	24.6	37.0

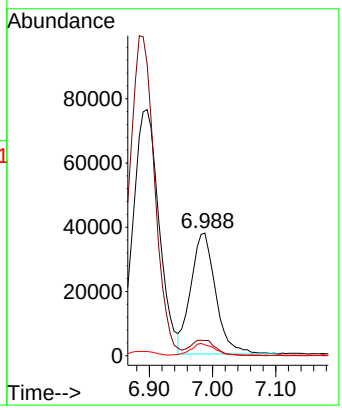




#37
Ethyl Acetate
Concen: 49.529 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 10292

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.5	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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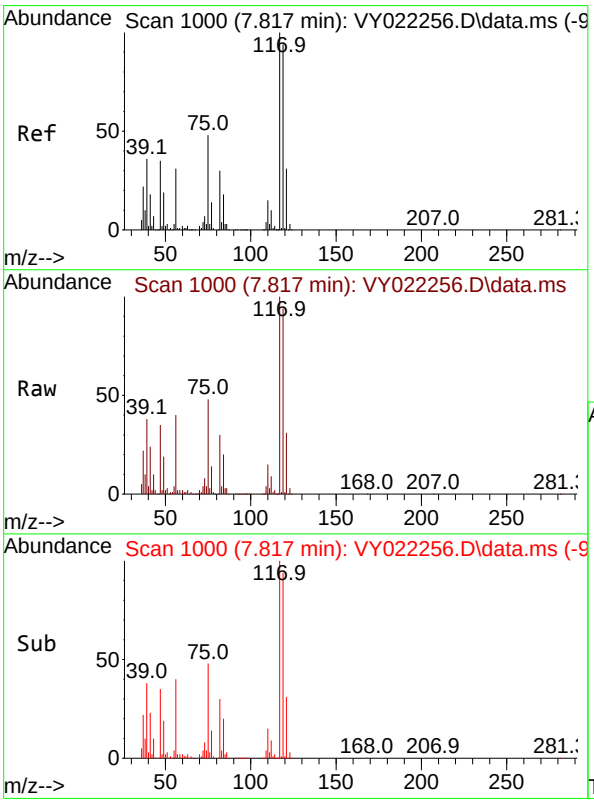
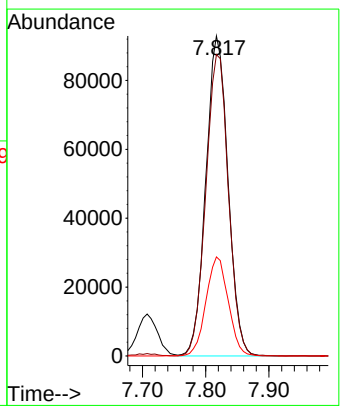
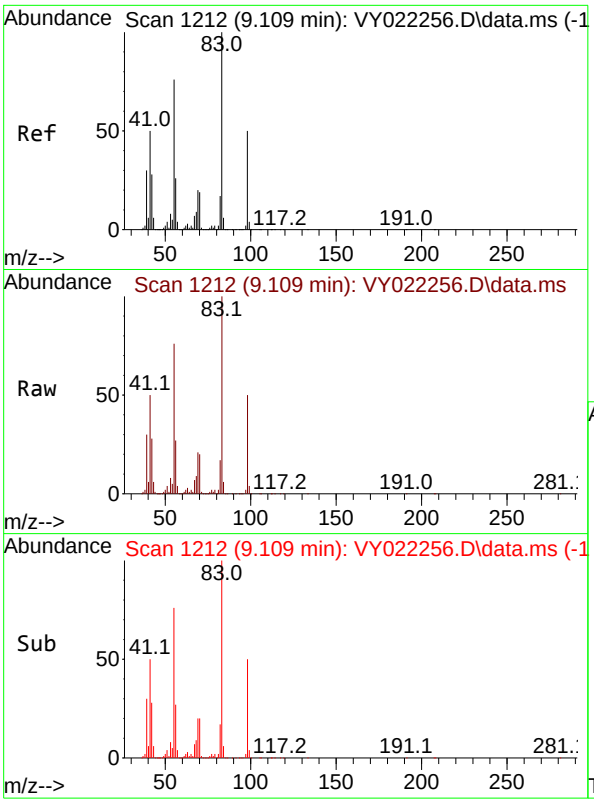


#38
Carbon Tetrachloride
Concen: 50.754 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 226903

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	30.9	24.7	37.1

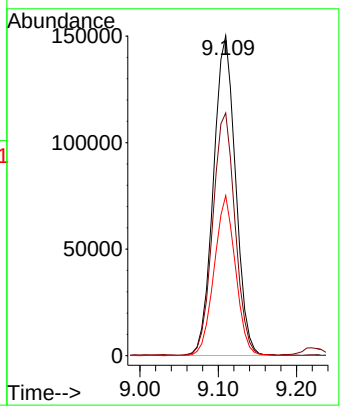




#39
Methylcyclohexane
Concen: 50.726 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 29433

Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.6	90.8
98	50.0	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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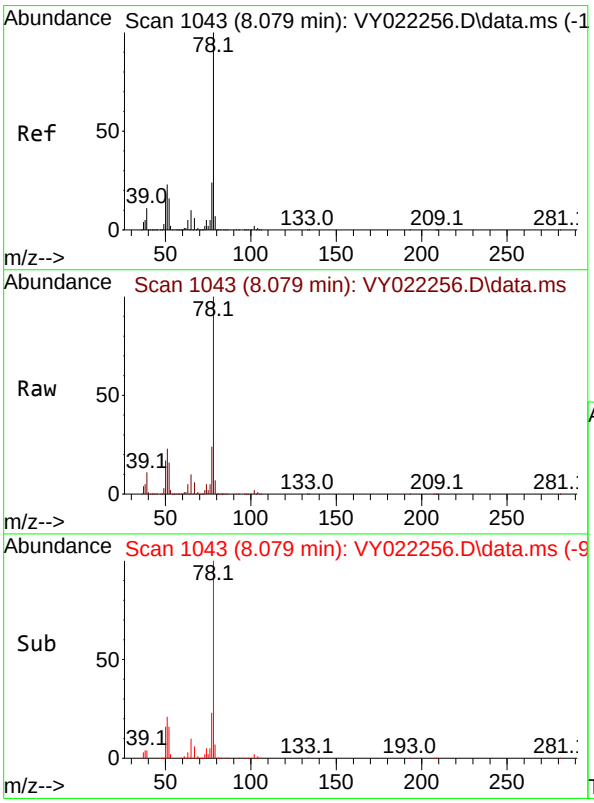
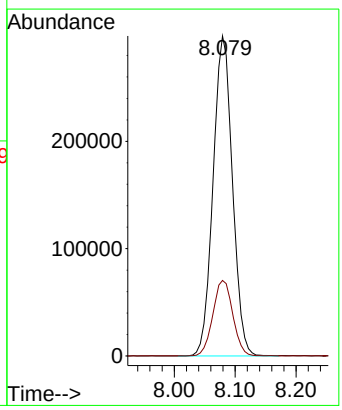
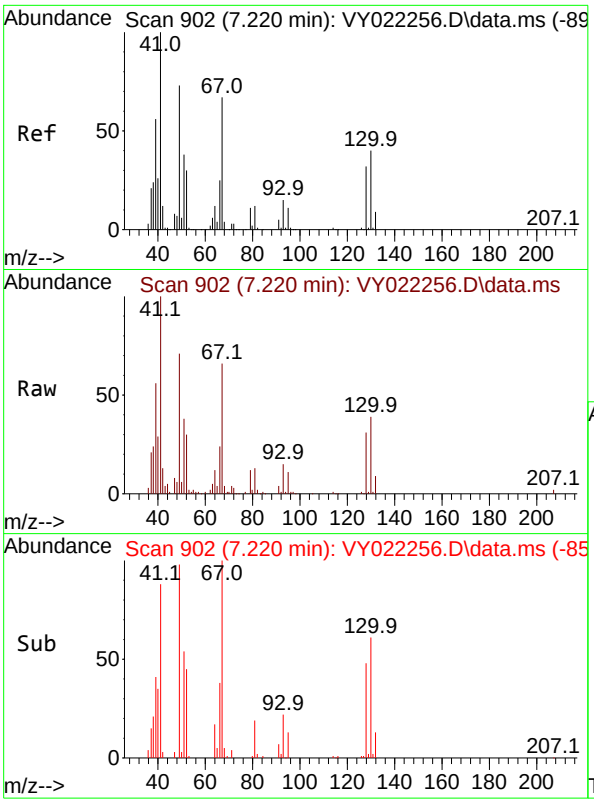


#40
Benzene
Concen: 51.442 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 78 Resp: 658644

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3

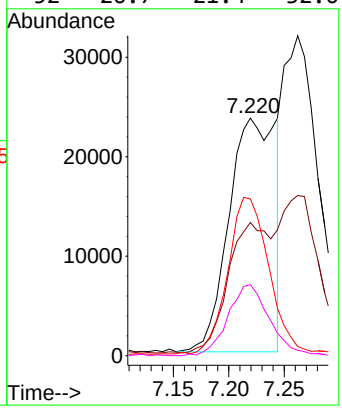




#41
Methacrylonitrile
Concen: 45.691 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 6947

Ion	Ratio	Lower	Upper
41	100		
39	48.8	39.1	58.7
67	58.7	47.1	70.7
52	26.7	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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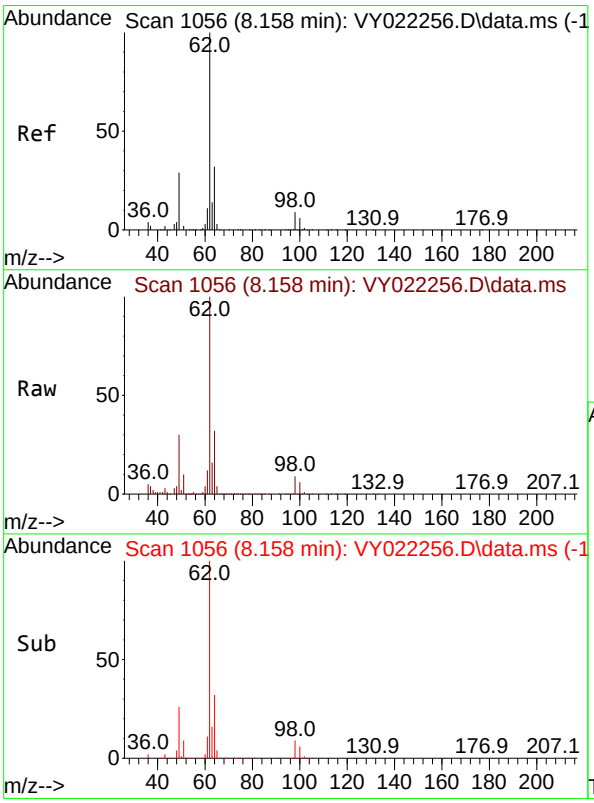
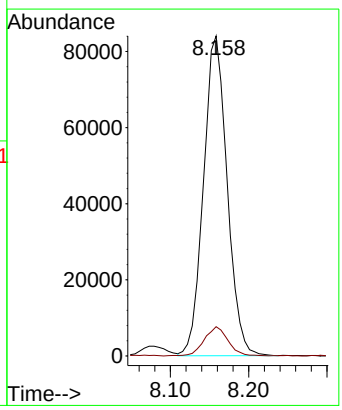
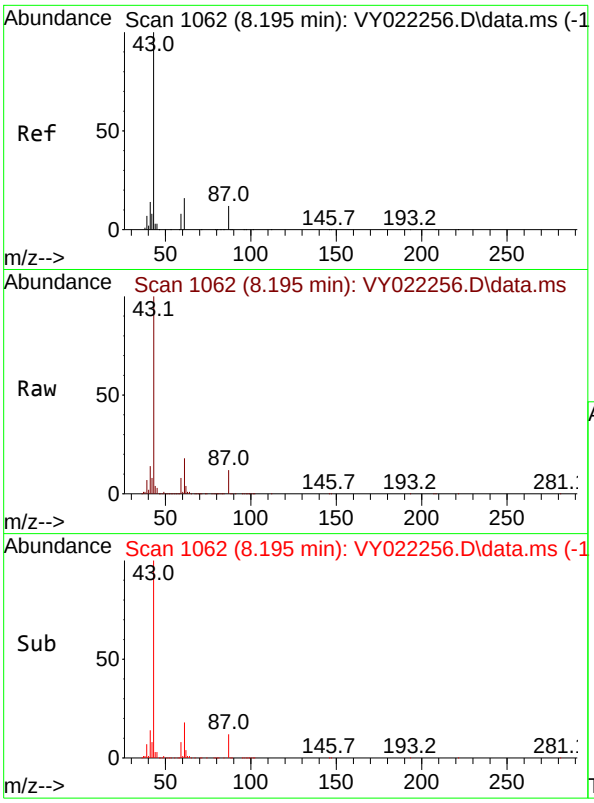


#42
1,2-Dichloroethane
Concen: 50.954 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 176425

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

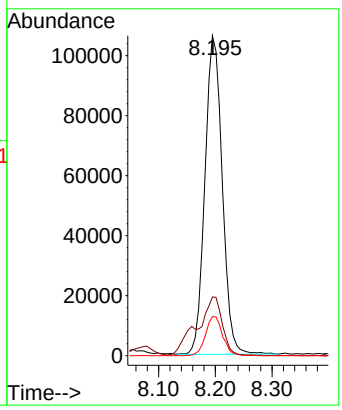




#43
Isopropyl Acetate
Concen: 49.785 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 22562

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.1	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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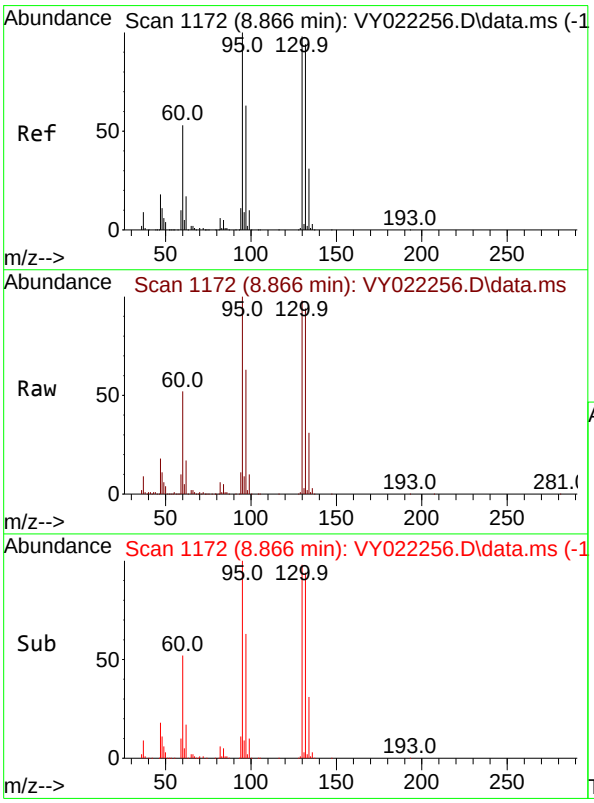
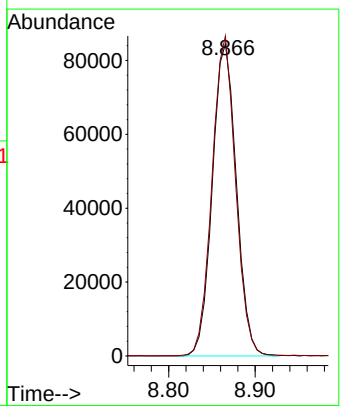
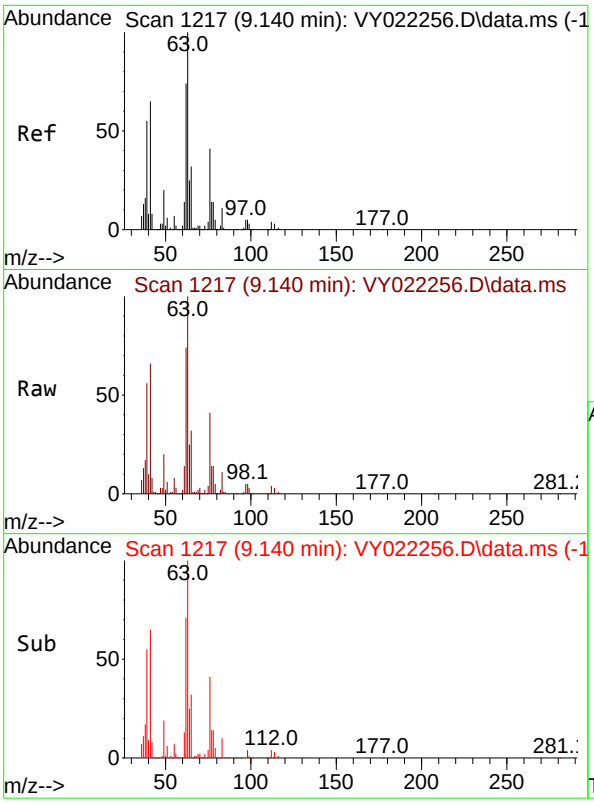


#44
Trichloroethene
Concen: 51.138 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:130 Resp: 162802

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	204.8

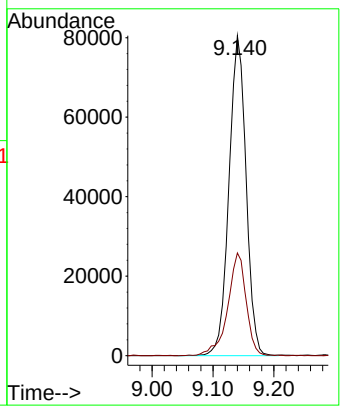




#45
1,2-Dichloropropane
Concen: 50.819 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 15687

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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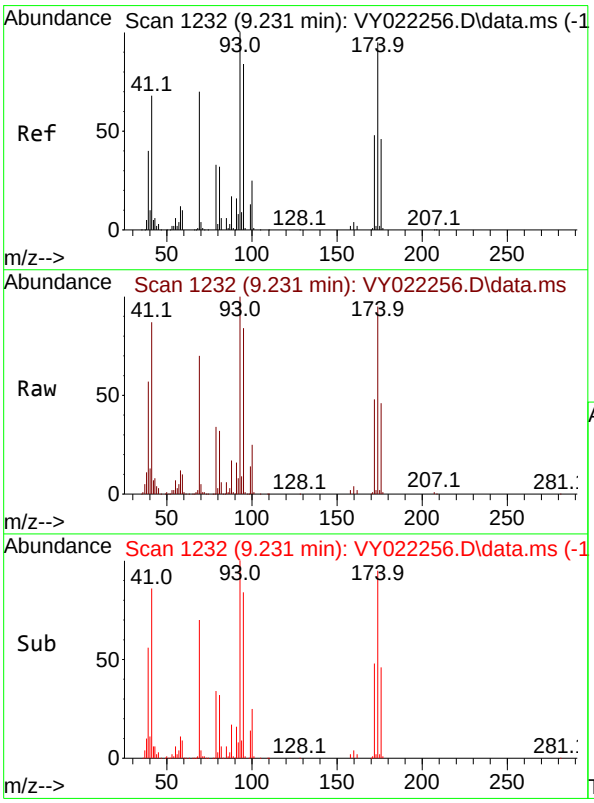
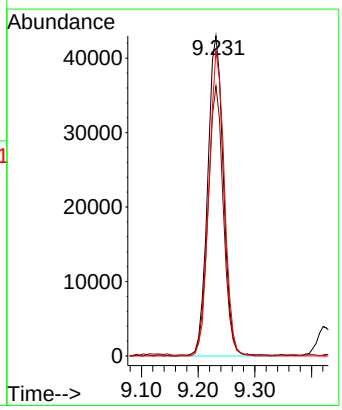
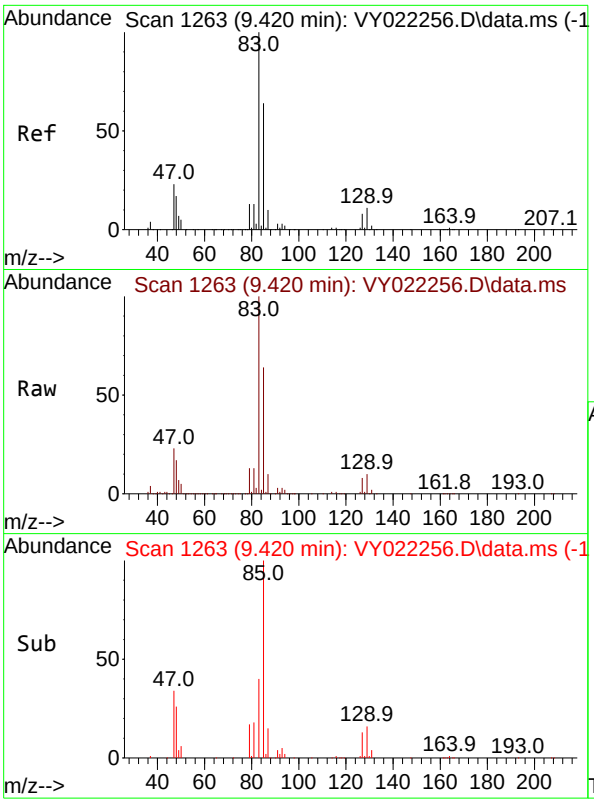


#46
Dibromomethane
Concen: 49.849 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 93 Resp: 82994

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.2	97.8
174	92.9	74.3	111.5

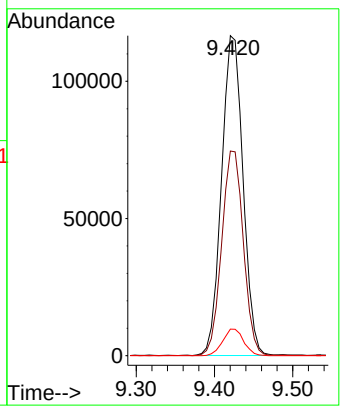




#47
Bromodichloromethane
Concen: 51.435 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 22215

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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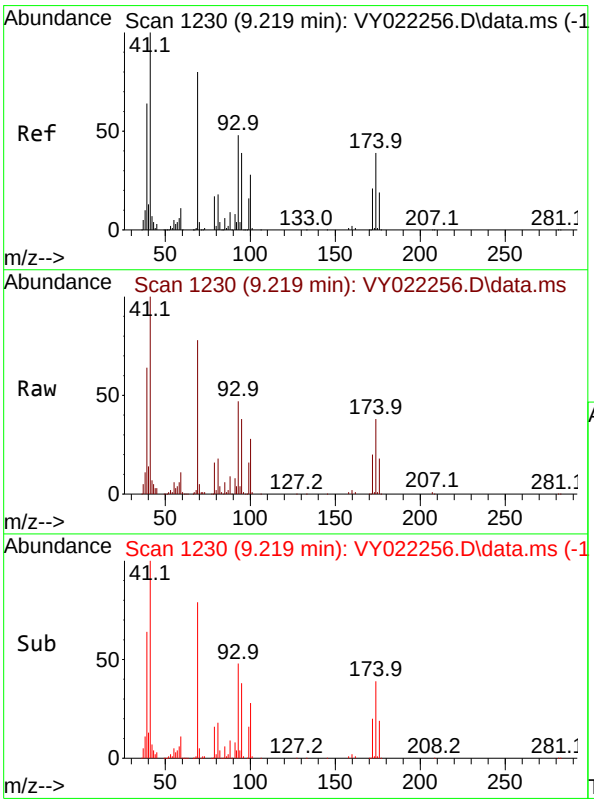
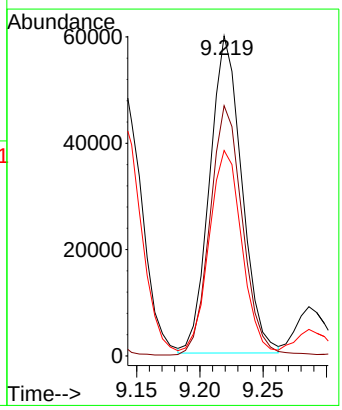
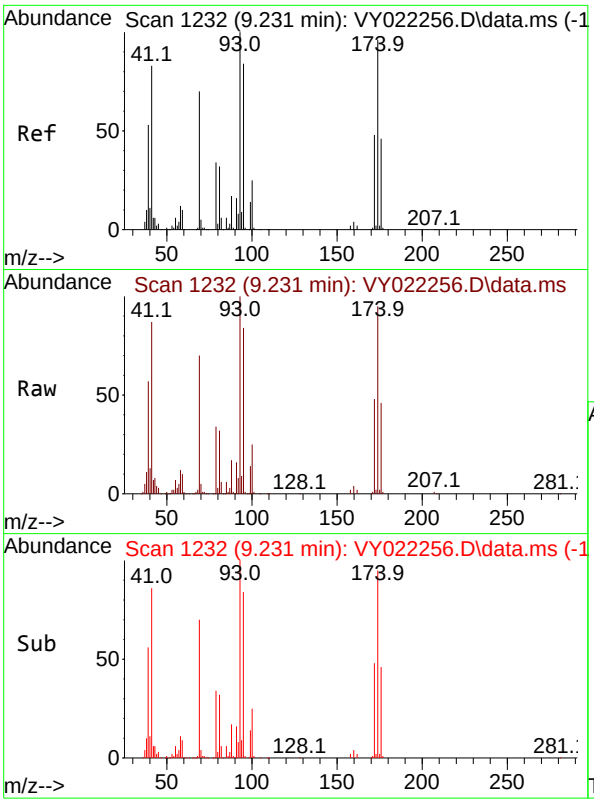


#48
Methyl methacrylate
Concen: 49.726 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 105390

Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.5	95.3
39	63.5	50.8	76.2

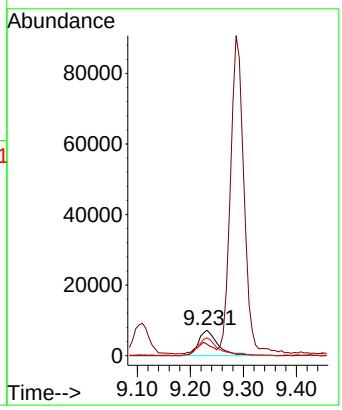




#49
1,4-Dioxane
Concen: 958.446 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 88 Resp: 1802

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	76.8	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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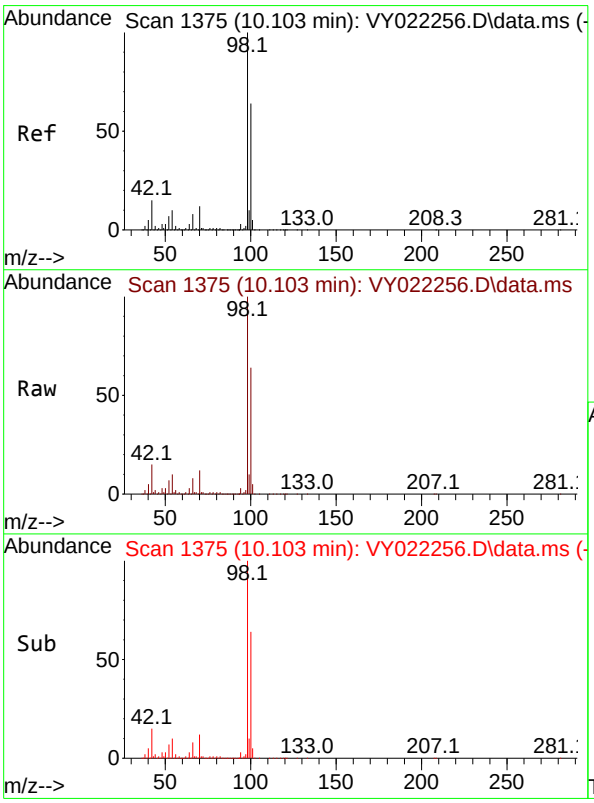
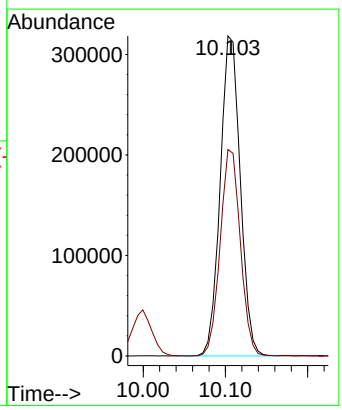
Supervised By :Semsettin Yesilyurt 05/16/2025

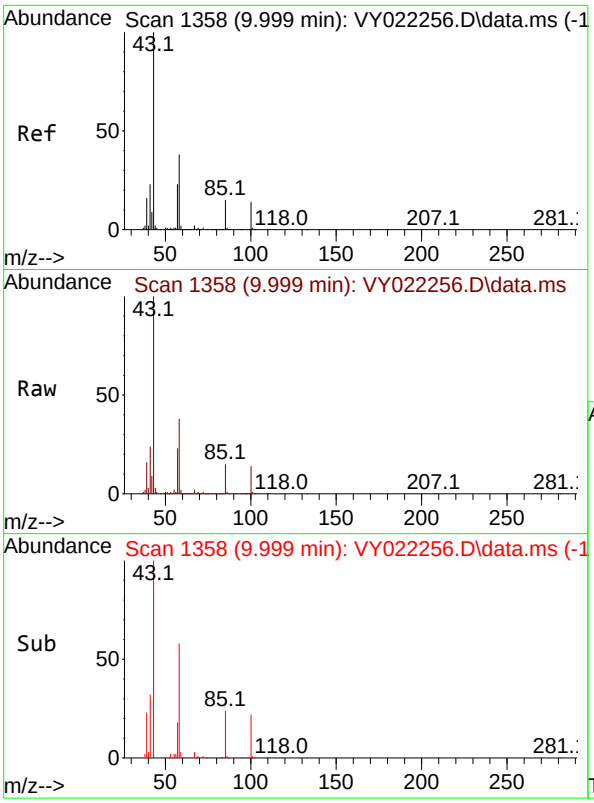


#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 98 Resp: 540296

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8

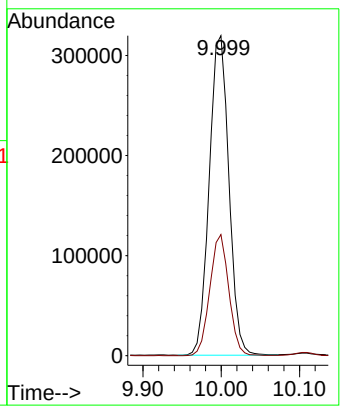




#51
4-Methyl-2-Pentanone
Concen: 250.085 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 5561

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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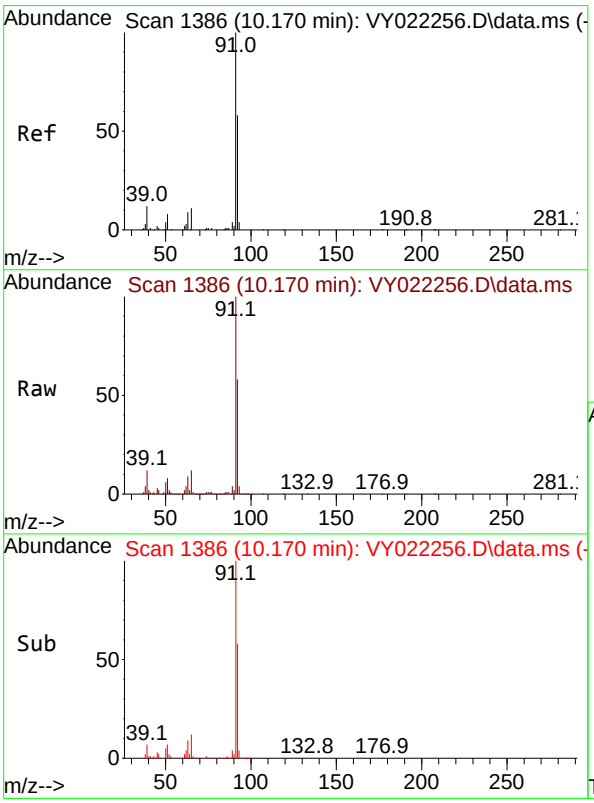
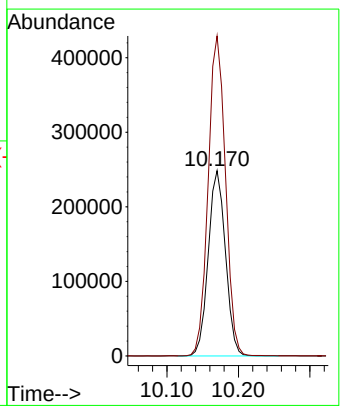
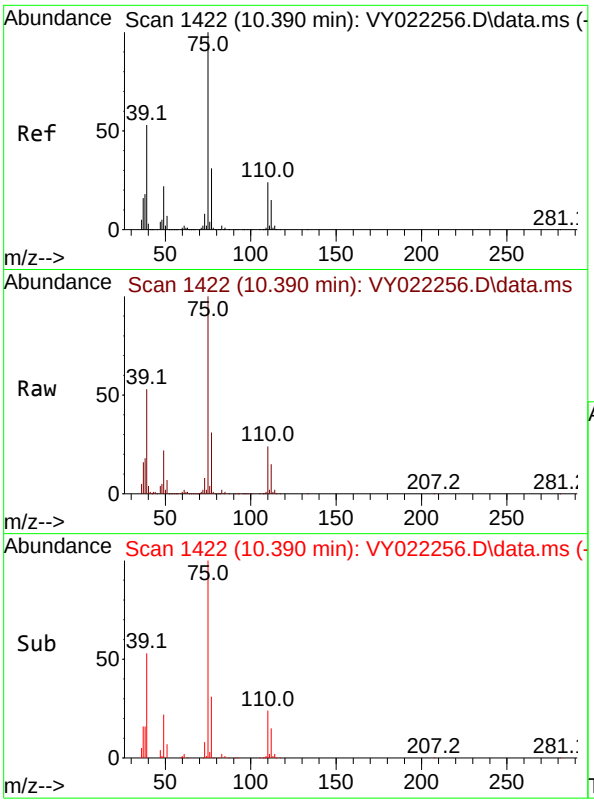


#52
Toluene
Concen: 51.134 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 92 Resp: 414584

Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.1	208.7

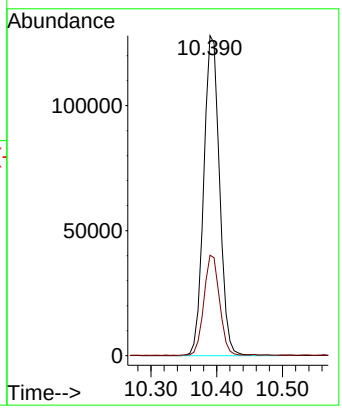




#53
t-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 21399

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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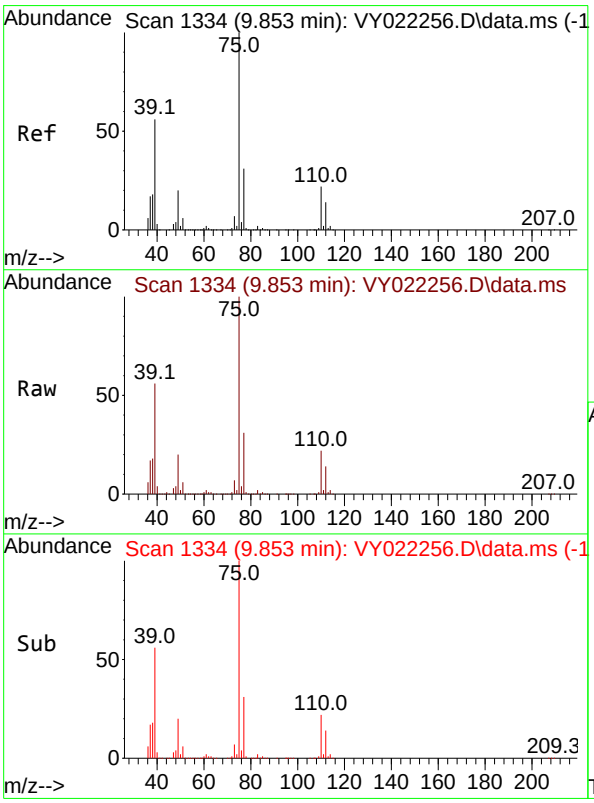
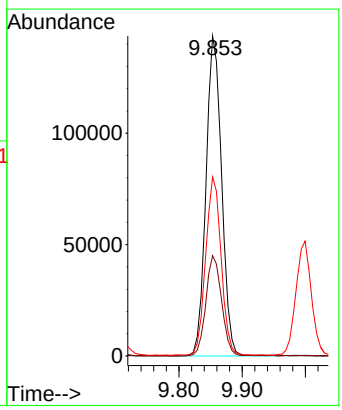
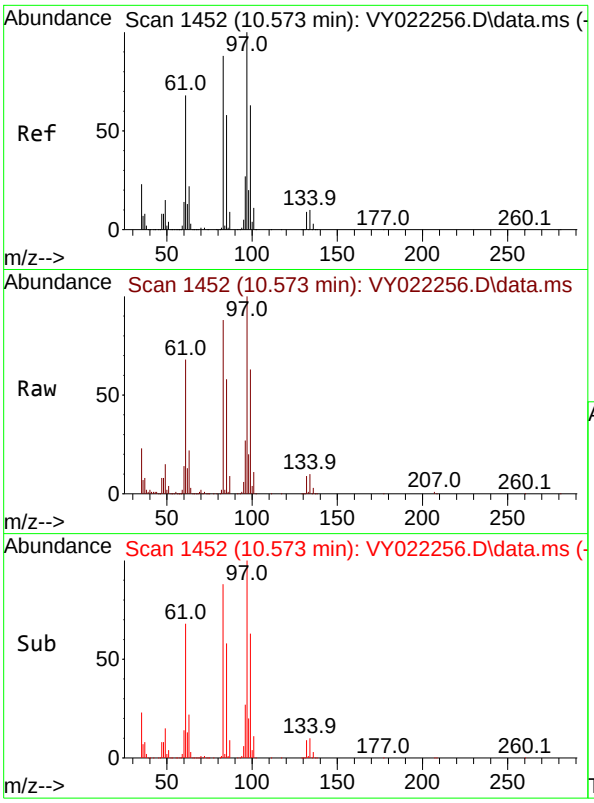


#54
cis-1,3-Dichloropropene
Concen: 51.143 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 246990

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	55.6	44.5	66.7

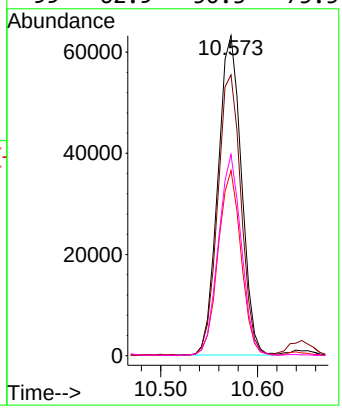




#55
1,1,2-Trichloroethane
Concen: 50.036 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 97 Resp: 10667(

Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.3	105.5
85	57.8	46.2	69.4
99	62.9	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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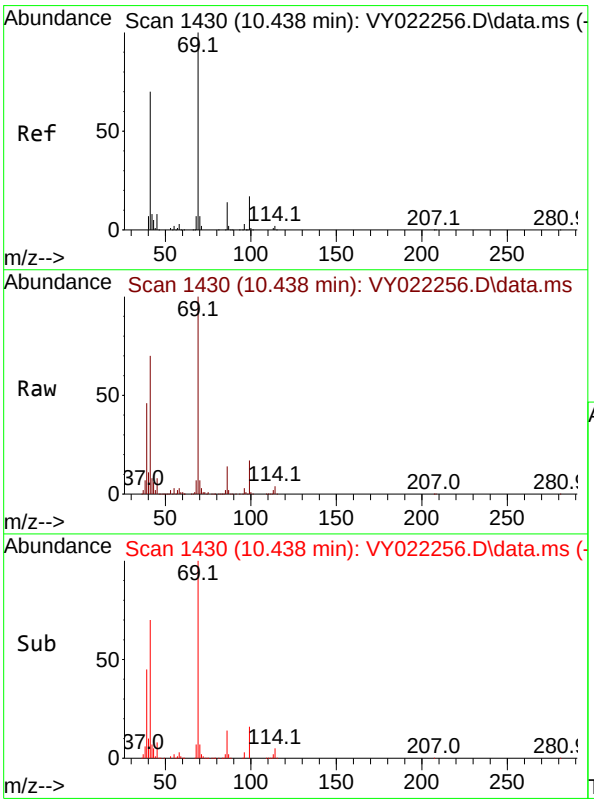
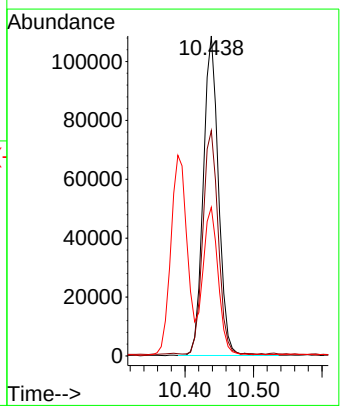
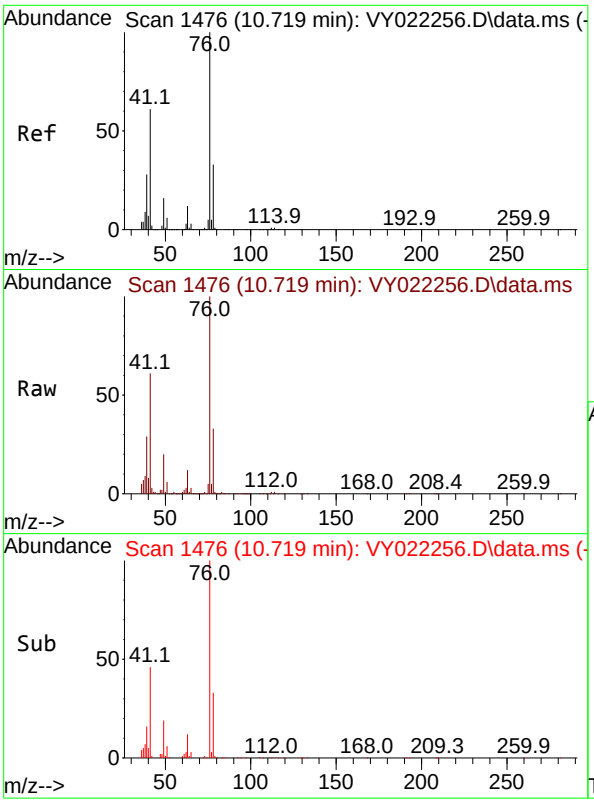


#56
Ethyl methacrylate
Concen: 50.364 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 69 Resp: 167259

Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.5	84.7
39	46.4	37.1	55.7

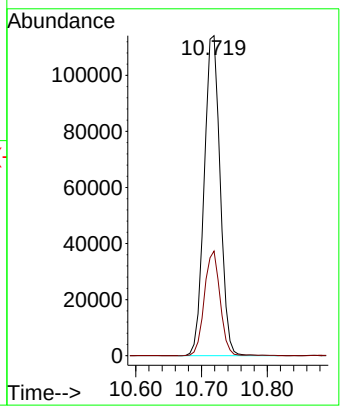




#57
1,3-Dichloropropane
Concen: 50.759 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 76 Resp: 19227

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
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ClientSampleId :
VSTDICCC050

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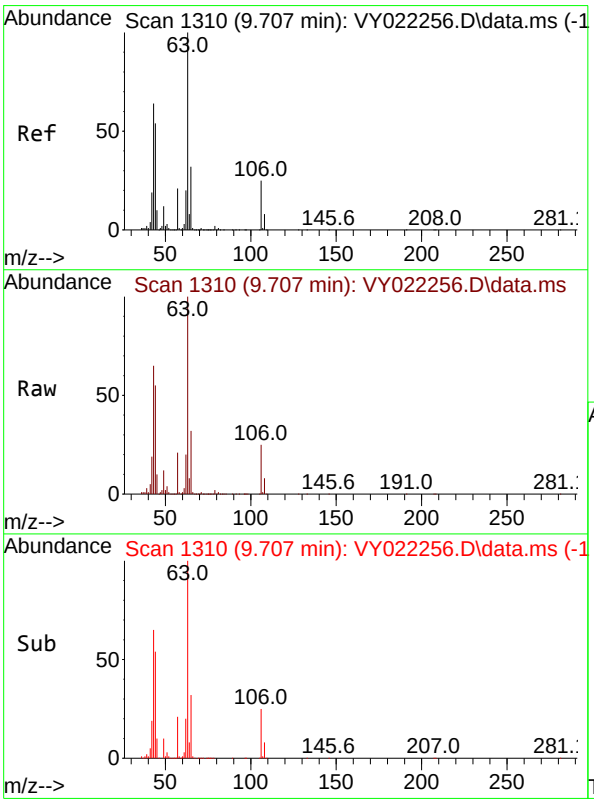
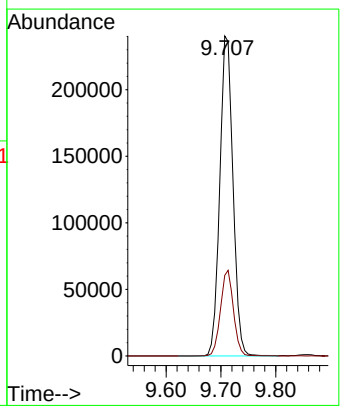
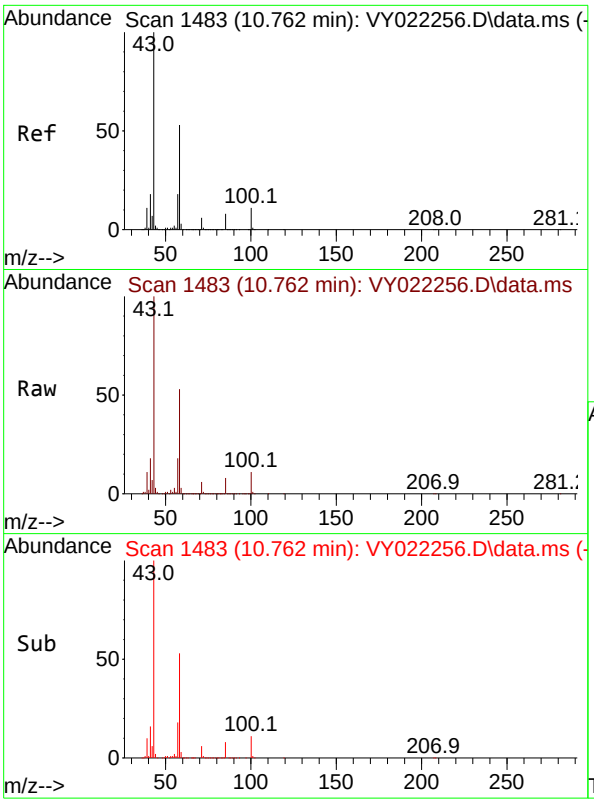


#58
2-Chloroethyl Vinyl ether
Concen: 270.408 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 403074

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.0	31.4





#59
2-Hexanone
Concen: 244.881 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 36511

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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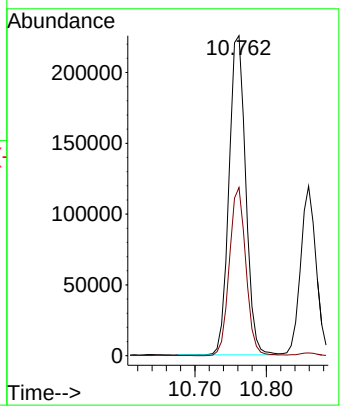
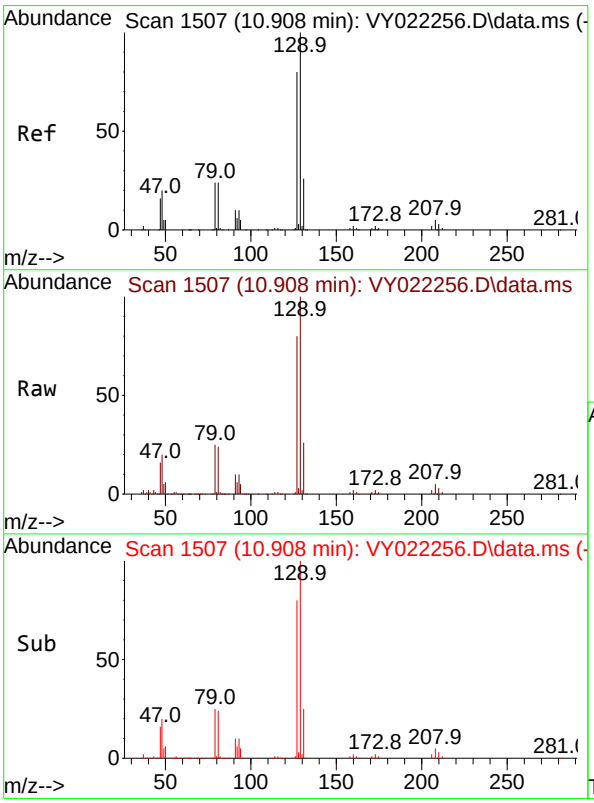
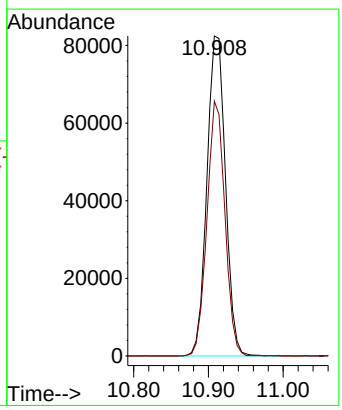


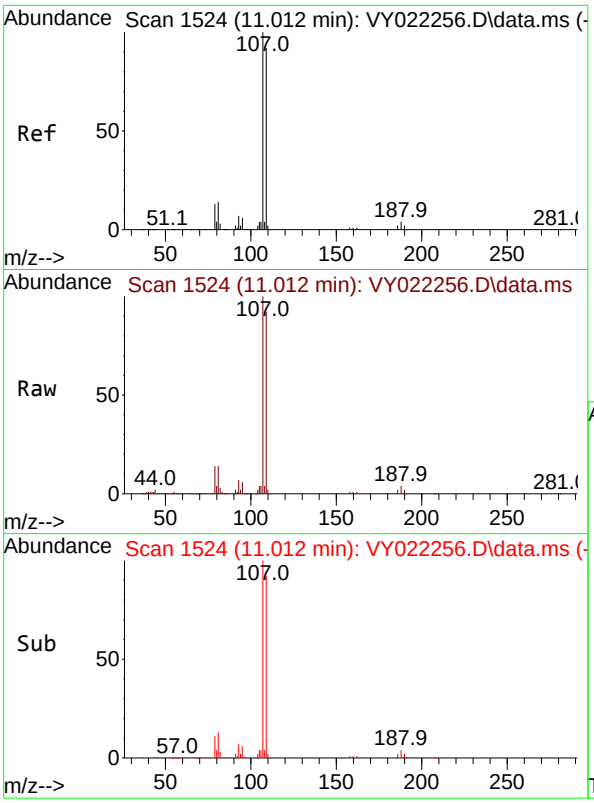


#60
Dibromochloromethane
Concen: 51.278 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:129 Resp: 141896

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7

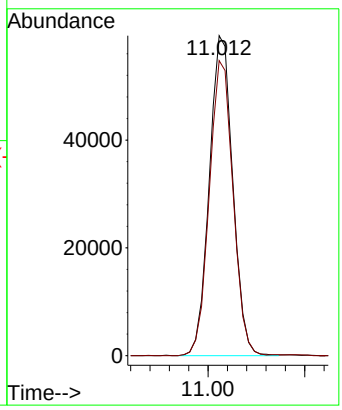




#61
1,2-Dibromoethane
Concen: 50.236 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:107 Resp: 9982

Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8



Instrument :
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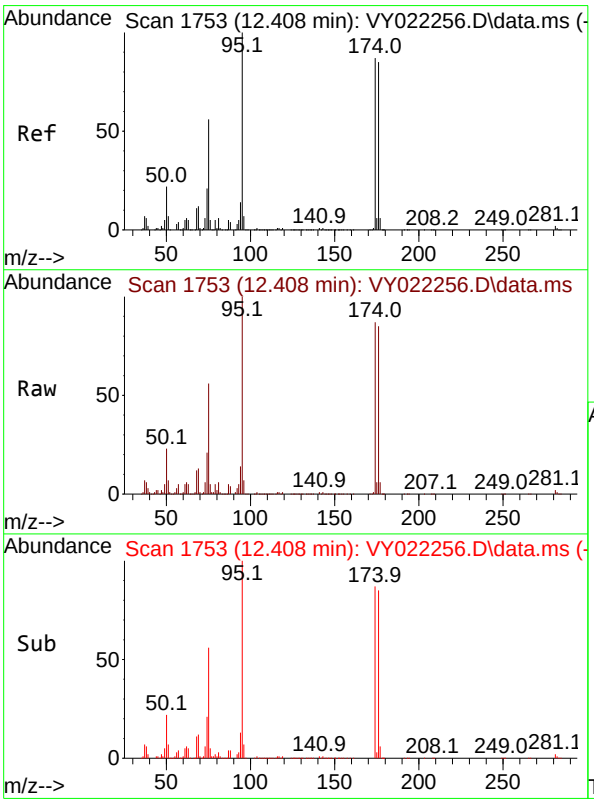
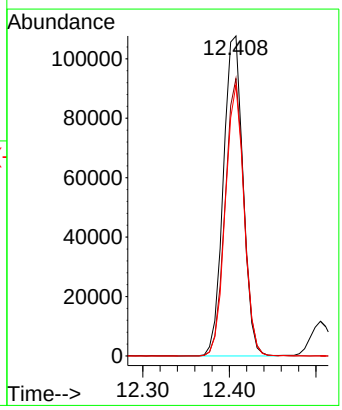
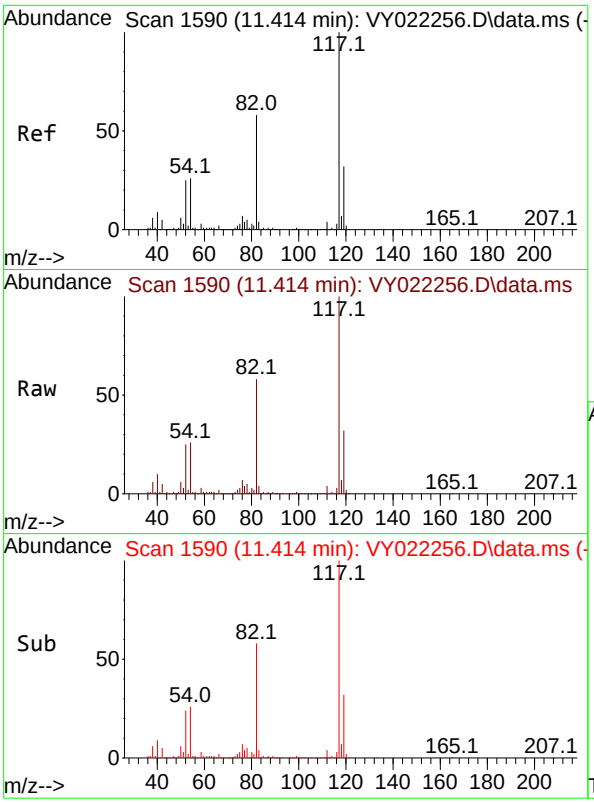


#62
4-Bromofluorobenzene
Concen: 49.891 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 95 Resp: 169827

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.8
176	80.4	0.0	160.8

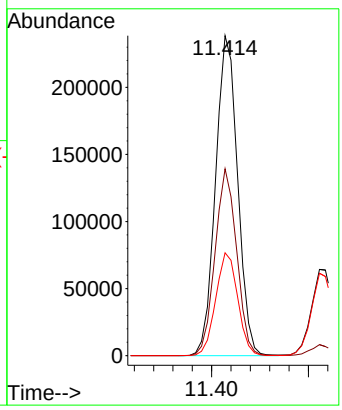




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 37757

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.6	70.0
119	32.2	25.8	38.6



Instrument :
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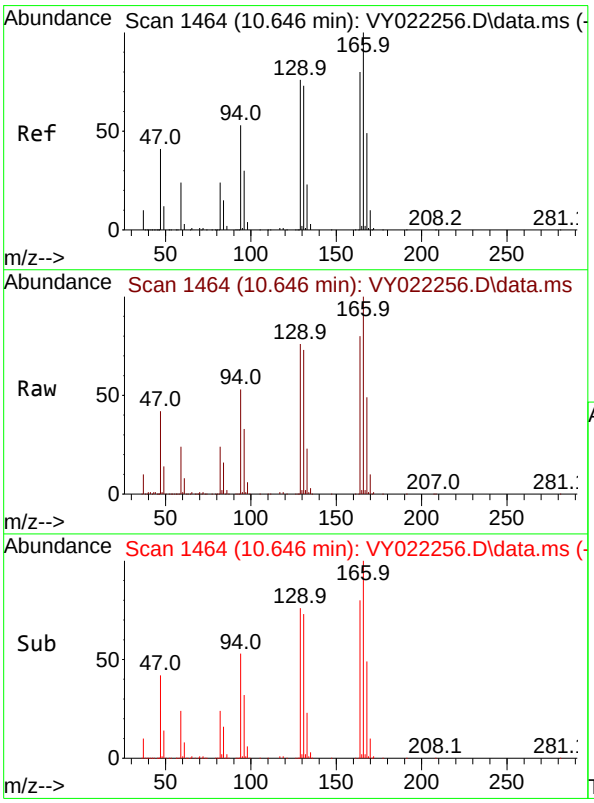
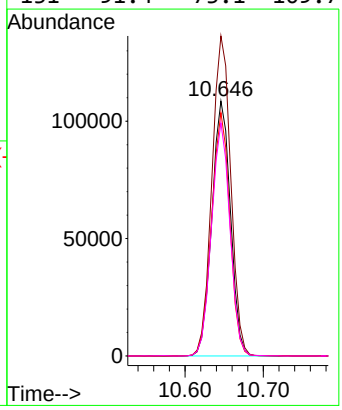
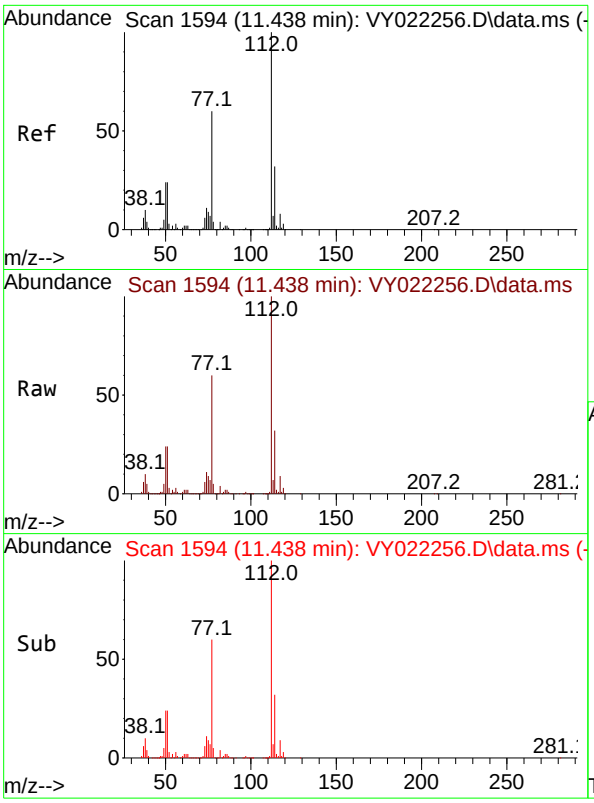


#64
Tetrachloroethene
Concen: 51.249 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:164 Resp: 178854

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	95.5	76.4	114.6
131	91.4	73.1	109.7

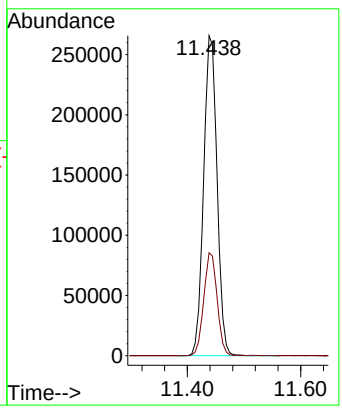




#65
Chlorobenzene
Concen: 51.169 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:112 Resp: 43587

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
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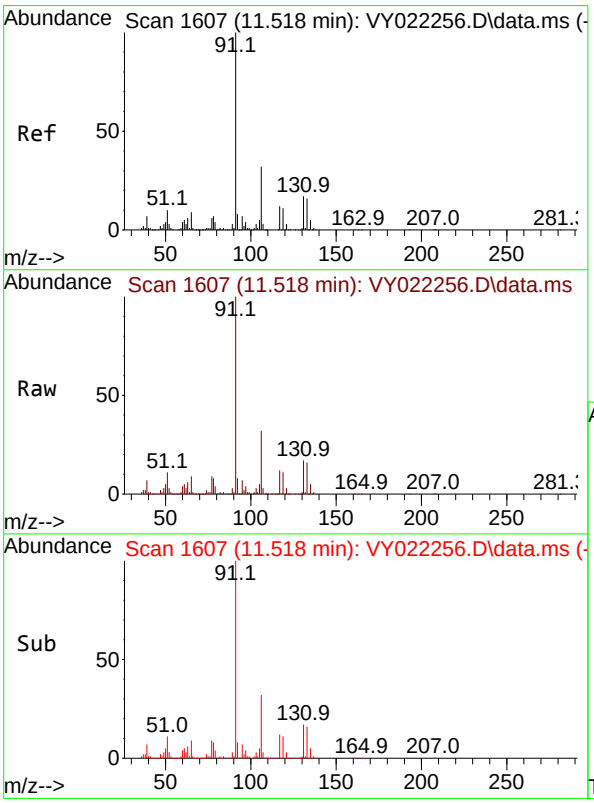
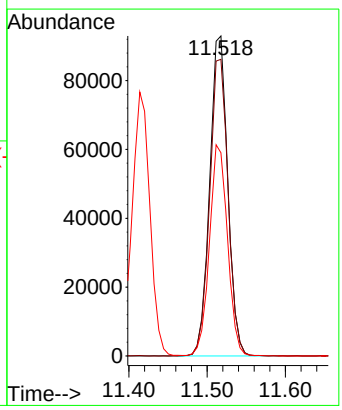
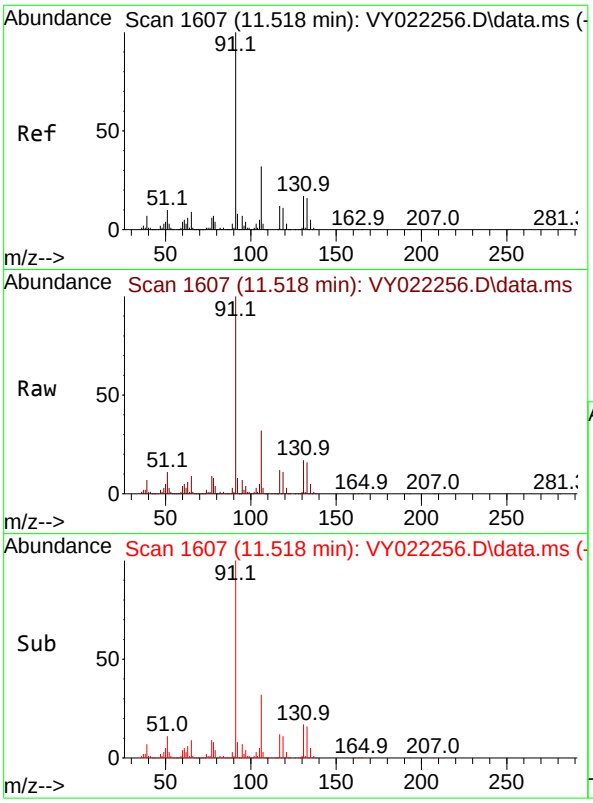


#66
1,1,1,2-Tetrachloroethane
Concen: 50.811 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:131 Resp: 148798

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	66.1	33.1	99.2

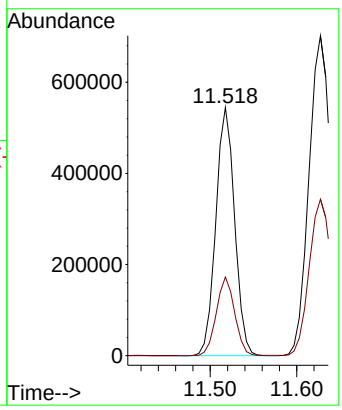




#67
Ethyl Benzene
Concen: 51.473 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 82116

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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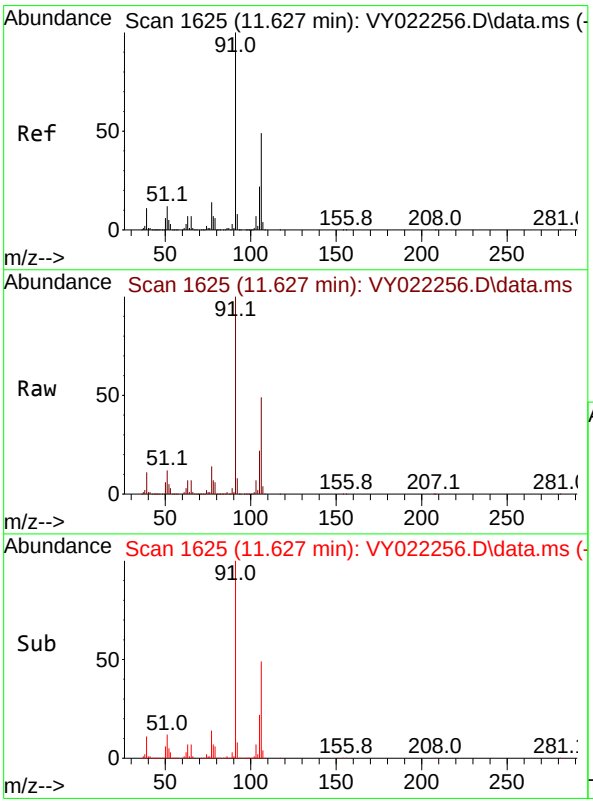
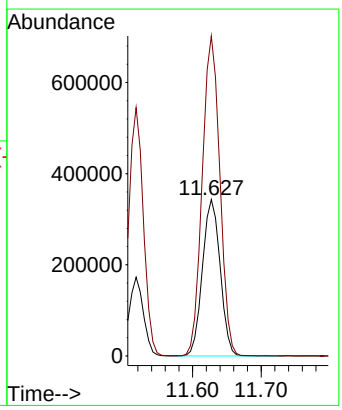
Supervised By :Semsettin Yesilyurt 05/16/2025

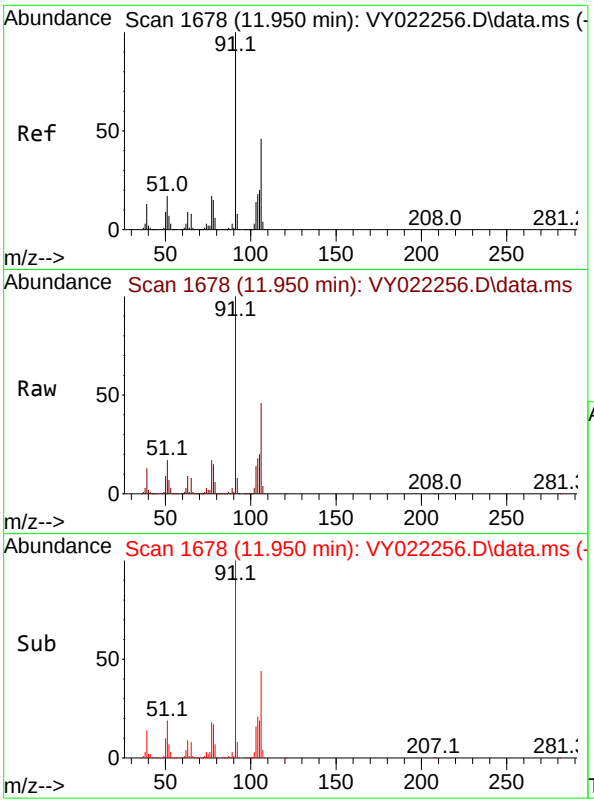


#68
m/p-Xylenes
Concen: 102.746 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:106 Resp: 617646

Ion	Ratio	Lower	Upper
106	100		
91	203.7	163.0	244.4

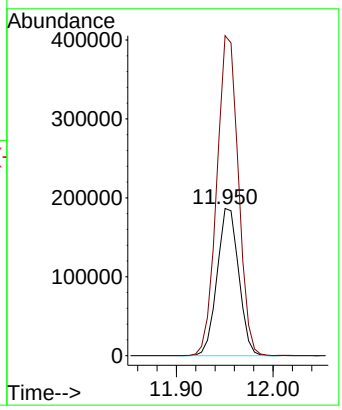




#69
o-Xylene
Concen: 50.971 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:106 Resp: 28989

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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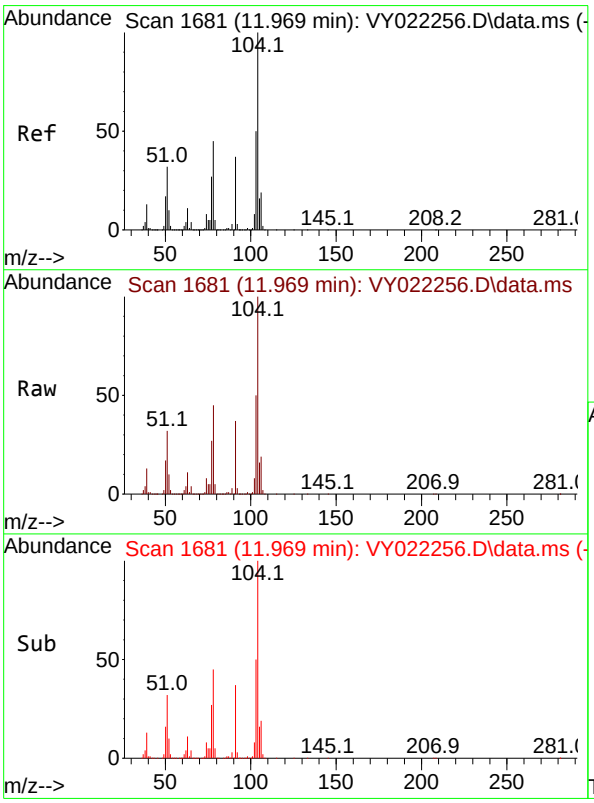
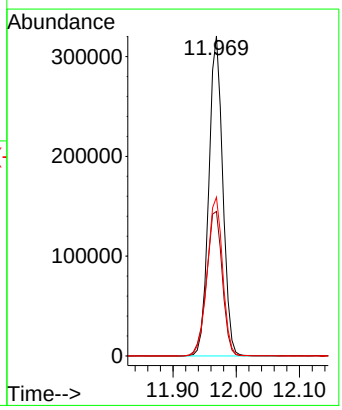
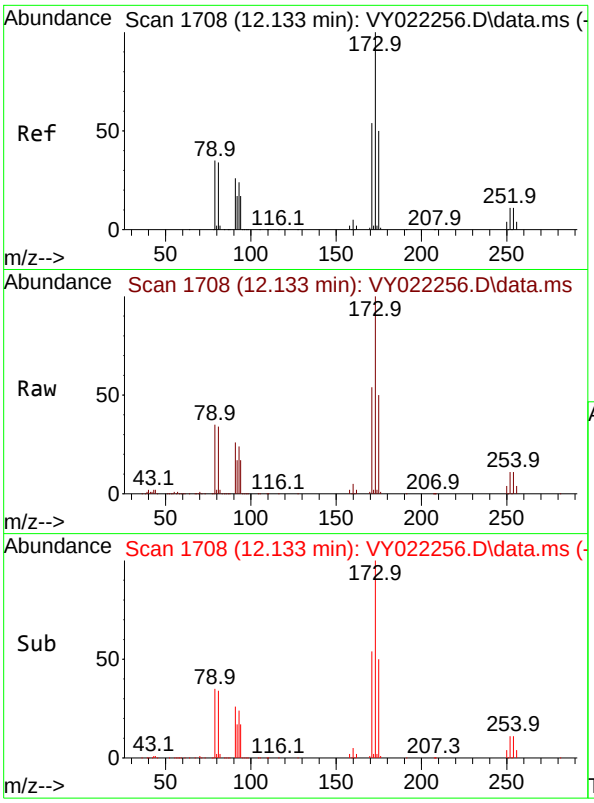


#70
Styrene
Concen: 51.260 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:104 Resp: 491792

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.9	61.3
103	54.6	43.7	65.5

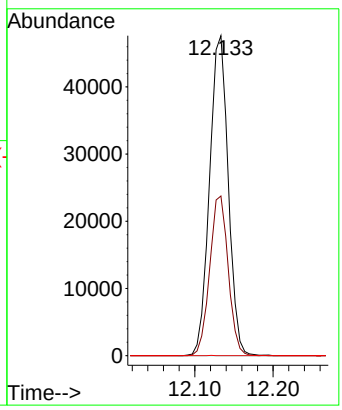




#71
Bromoform
Concen: 49.849 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:173 Resp: 7879

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
VSTDICCC050

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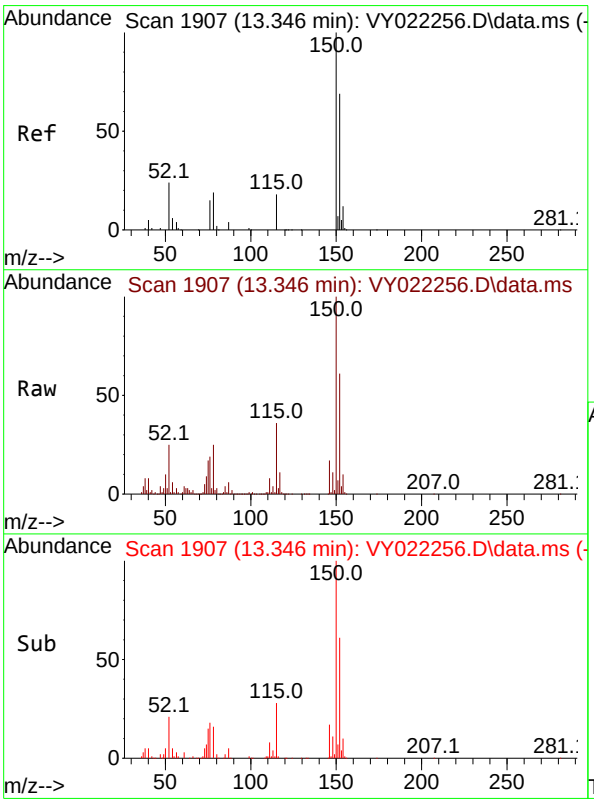
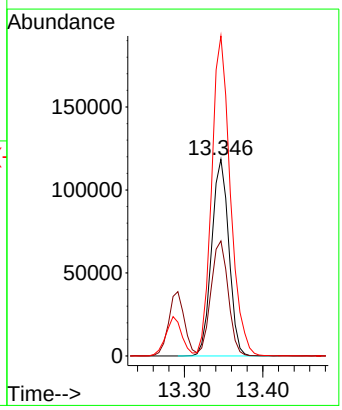
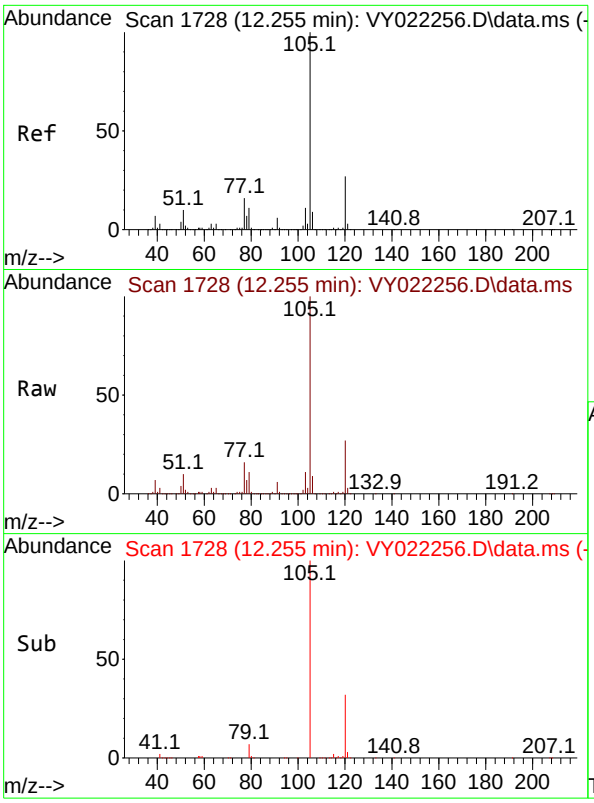


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:152 Resp: 180358

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	176.9	0.0	353.8

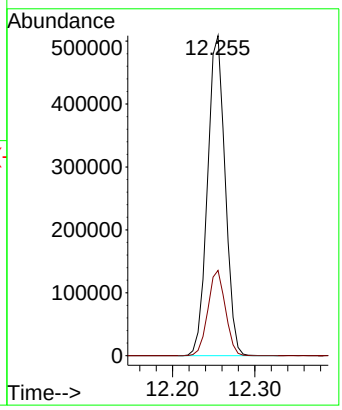




#73
Isopropylbenzene
Concen: 50.657 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 75690

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
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ClientSampleId :
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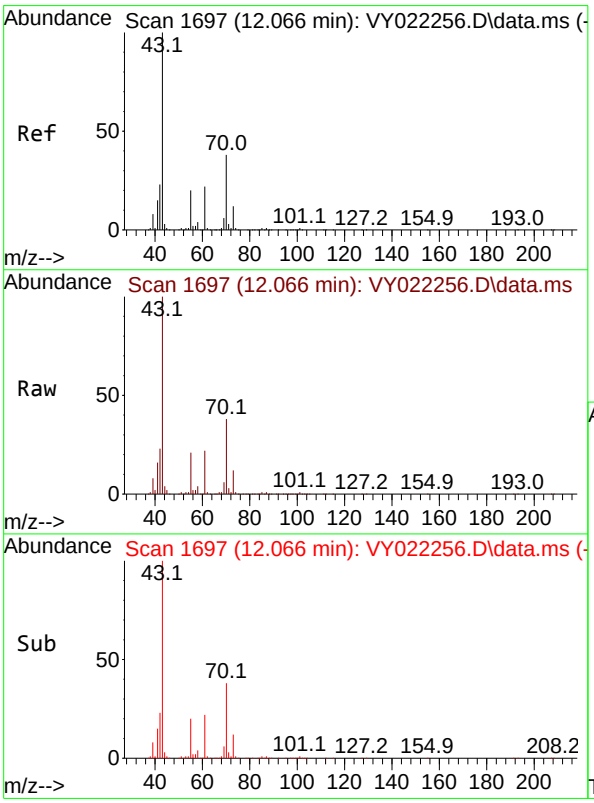
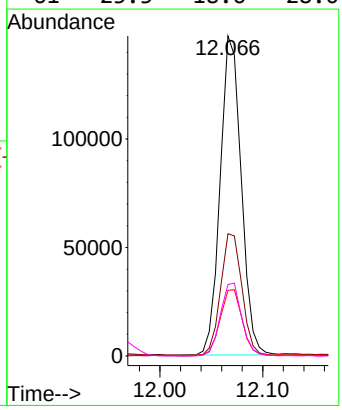
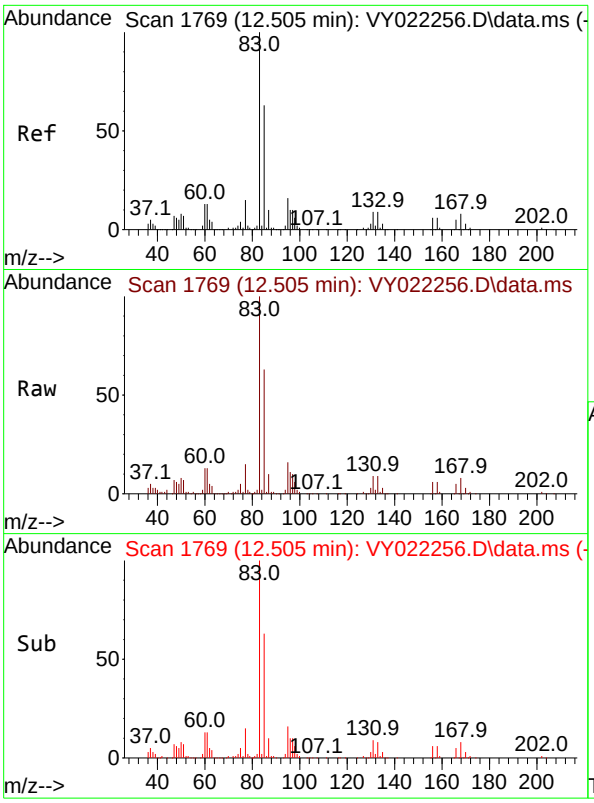


#74
N-amyl acetate
Concen: 48.930 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 209097

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.4	47.0
55	21.3	17.0	25.6
61	23.3	18.6	28.0

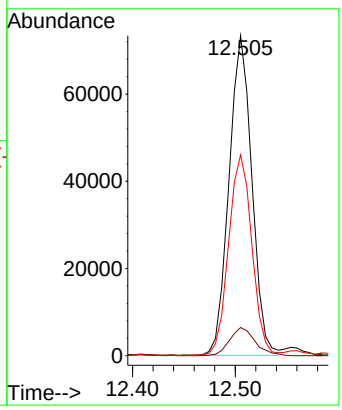




#75
1,1,2,2-Tetrachloroethane
Concen: 49.277 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 11323

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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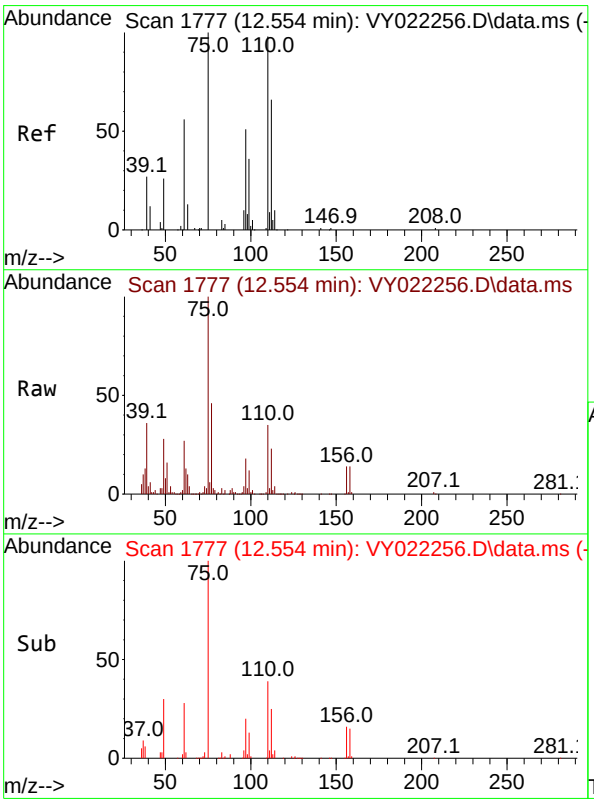
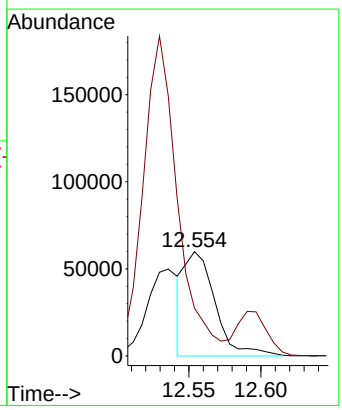
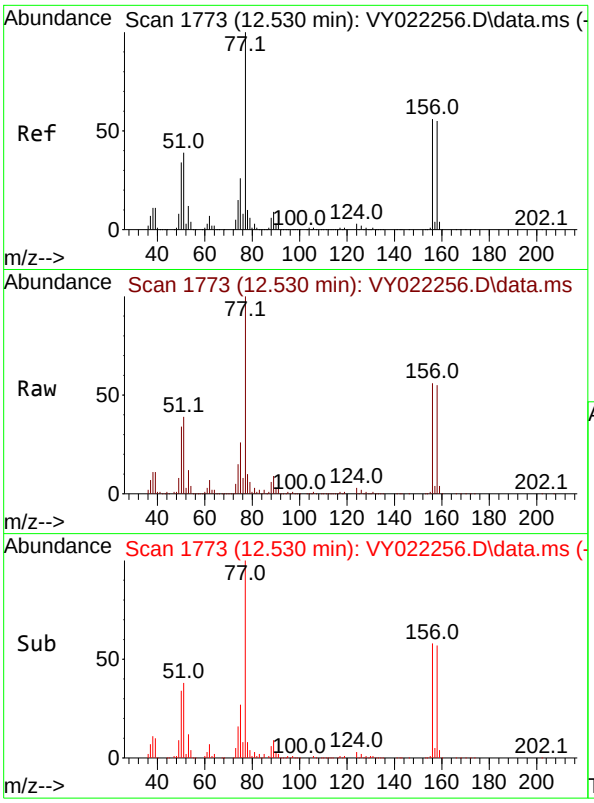


#76
1,2,3-Trichloropropane
Concen: 28.402 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 90281

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

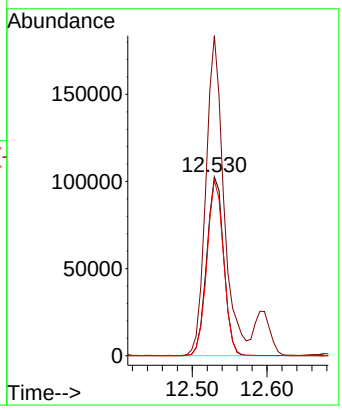




#77
Bromobenzene
Concen: 50.599 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:156 Resp: 16147

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.5	283.6
158	96.9	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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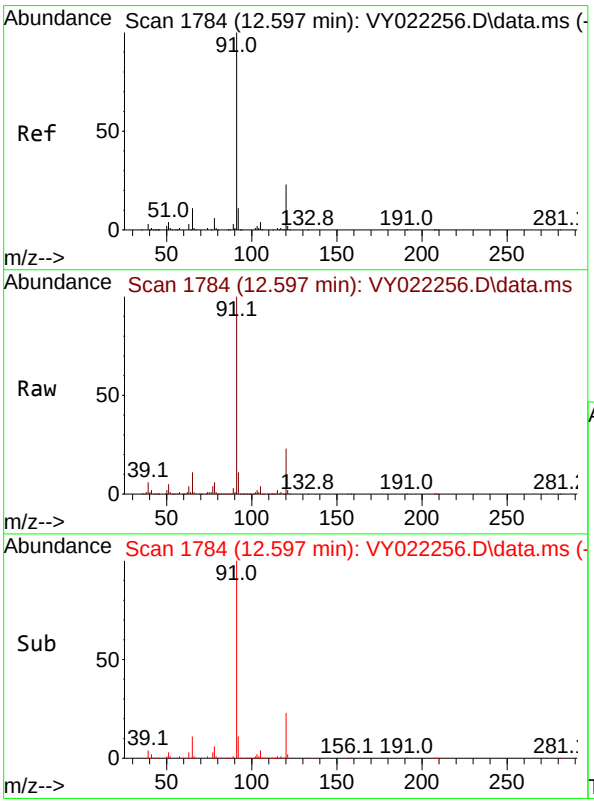
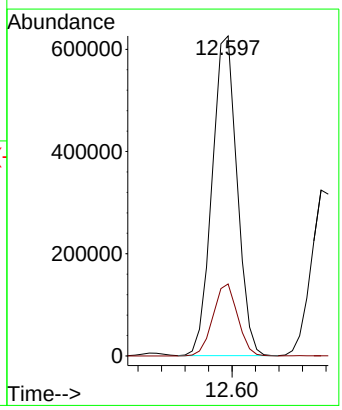
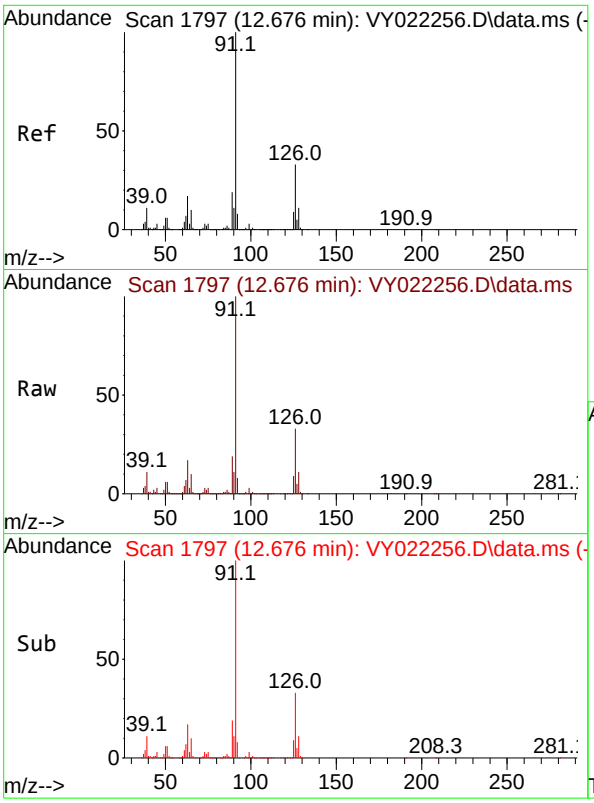


#78
n-propylbenzene
Concen: 51.306 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 924664

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3

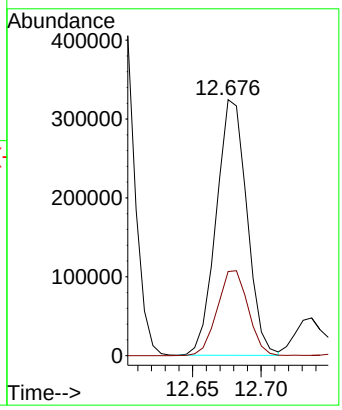




#79
2-Chlorotoluene
Concen: 51.058 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 50568

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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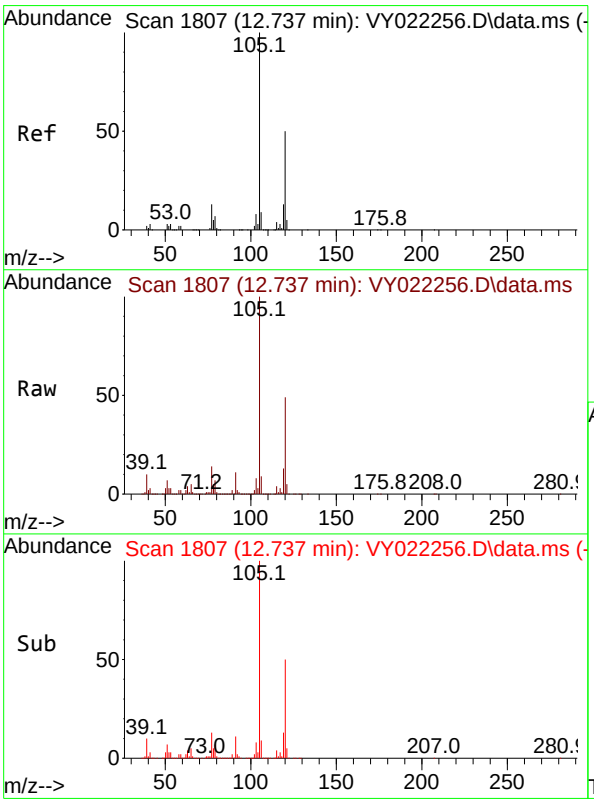
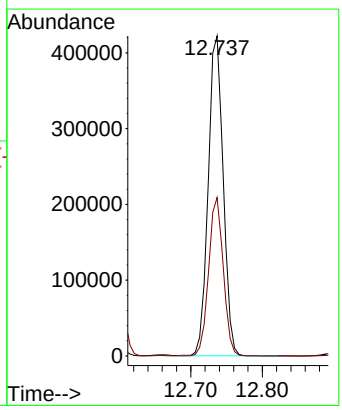
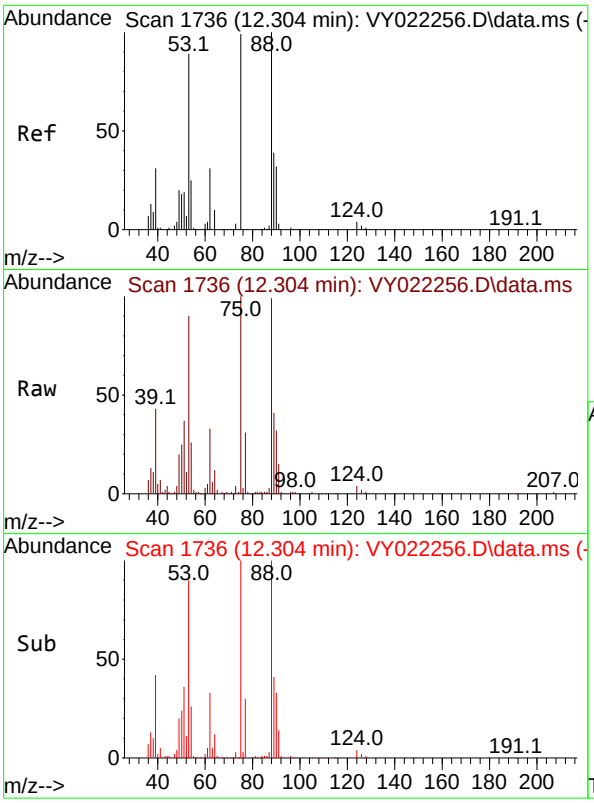


#80
1,3,5-Trimethylbenzene
Concen: 50.991 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615033

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 47.331 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 4269

Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.8	113.8
89	45.2	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
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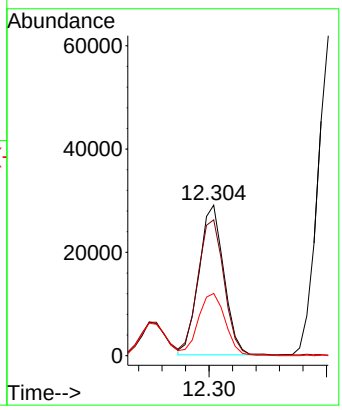
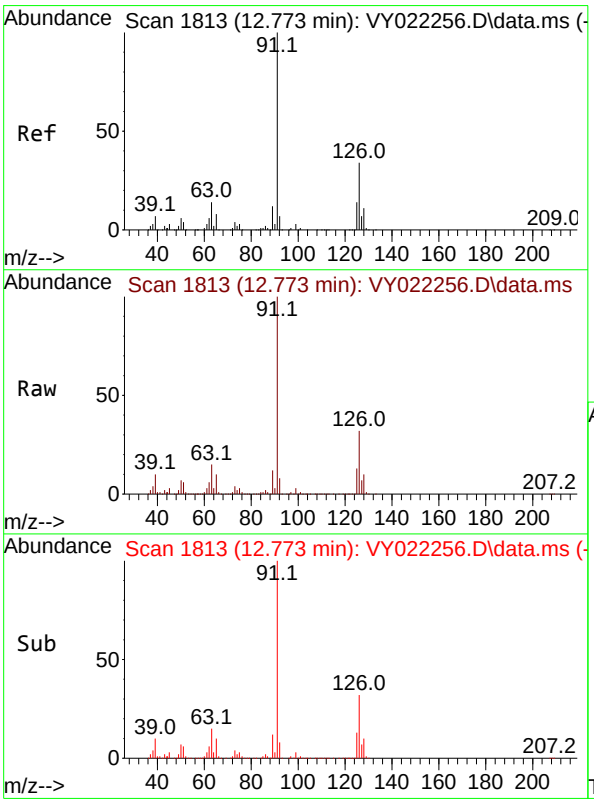
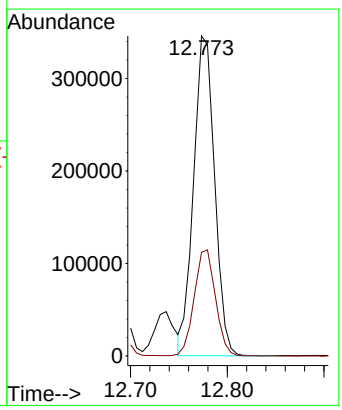


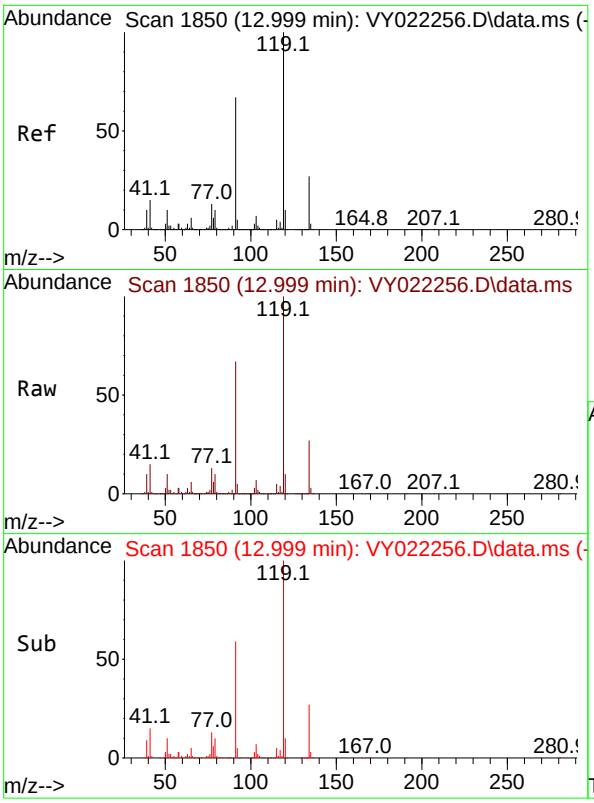


#82
4-Chlorotoluene
Concen: 51.464 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 524270

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

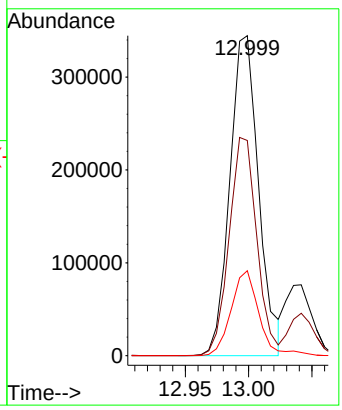




#83
tert-Butylbenzene
Concen: 50.952 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:119 Resp: 54623

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.8	98.3
134	25.7	12.9	38.6



Instrument :
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ClientSampleId :
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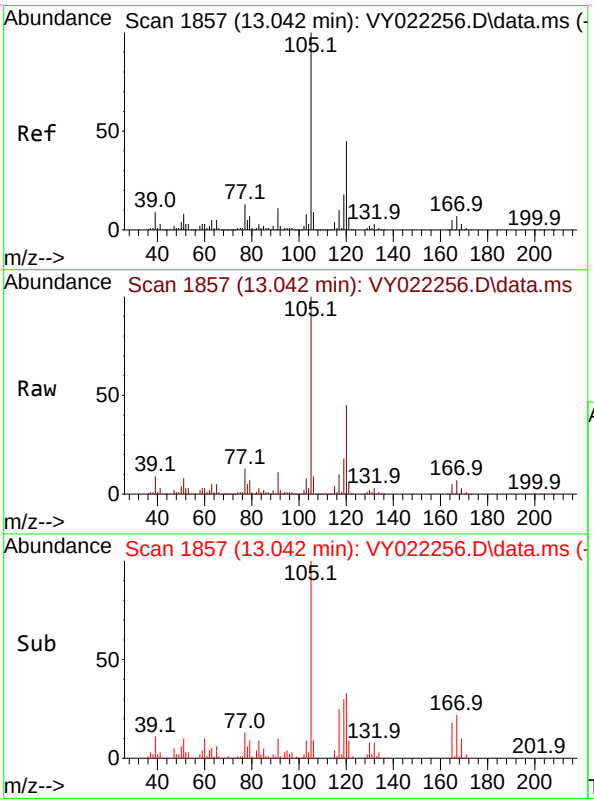
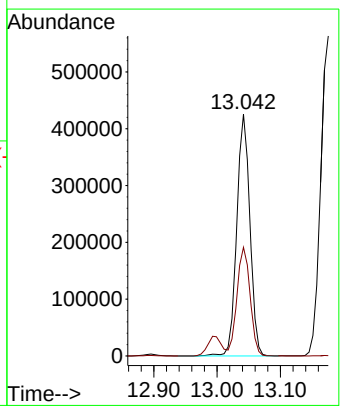
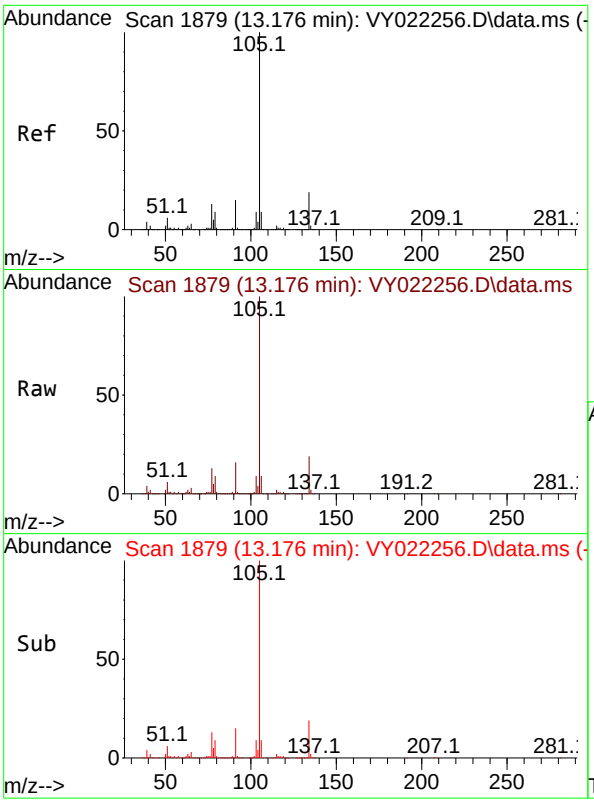


#84
1,2,4-Trimethylbenzene
Concen: 51.410 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615550

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9

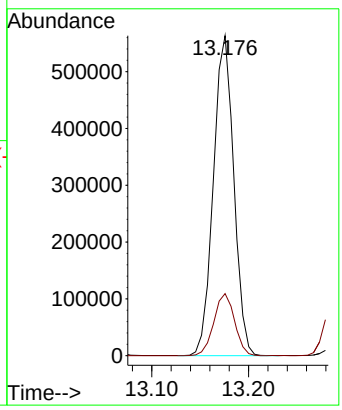




#85
sec-Butylbenzene
Concen: 51.825 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 82472

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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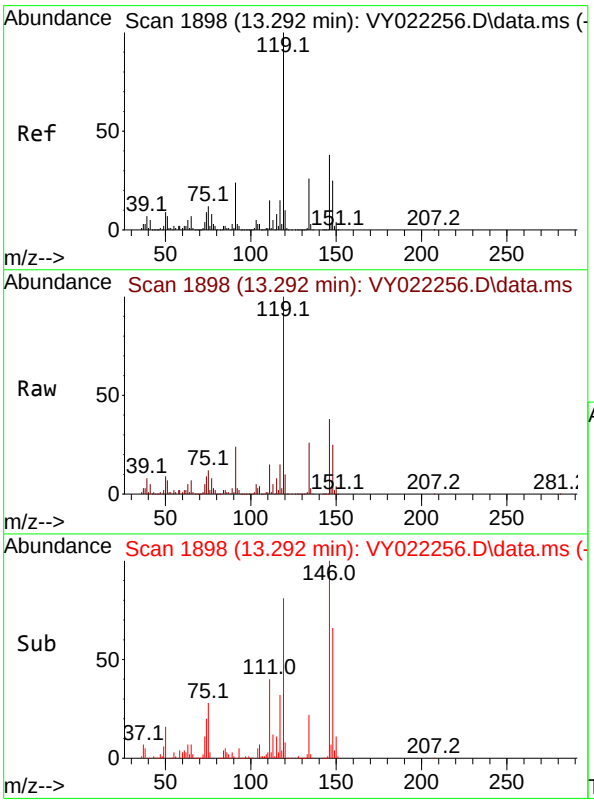
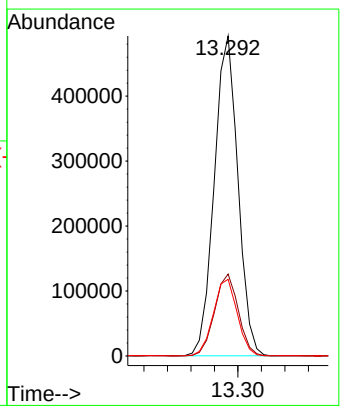
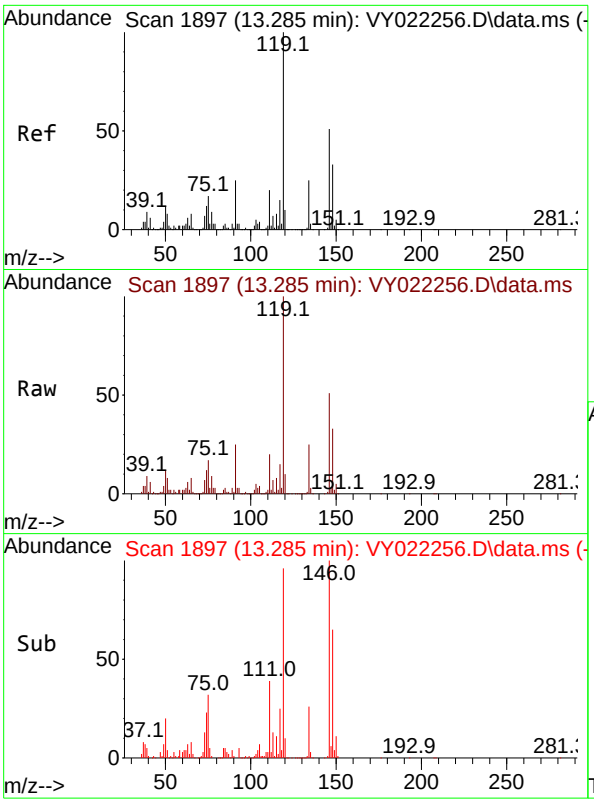


#86
p-Isopropyltoluene
Concen: 51.446 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:119 Resp: 688561

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.2	12.1	36.3

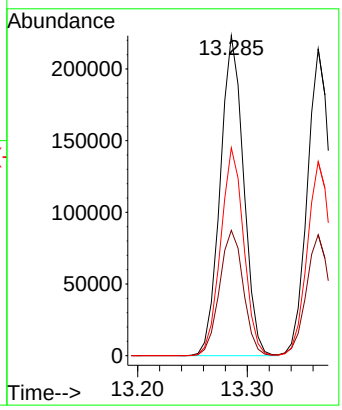




#87
1,3-Dichlorobenzene
Concen: 50.890 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 33153

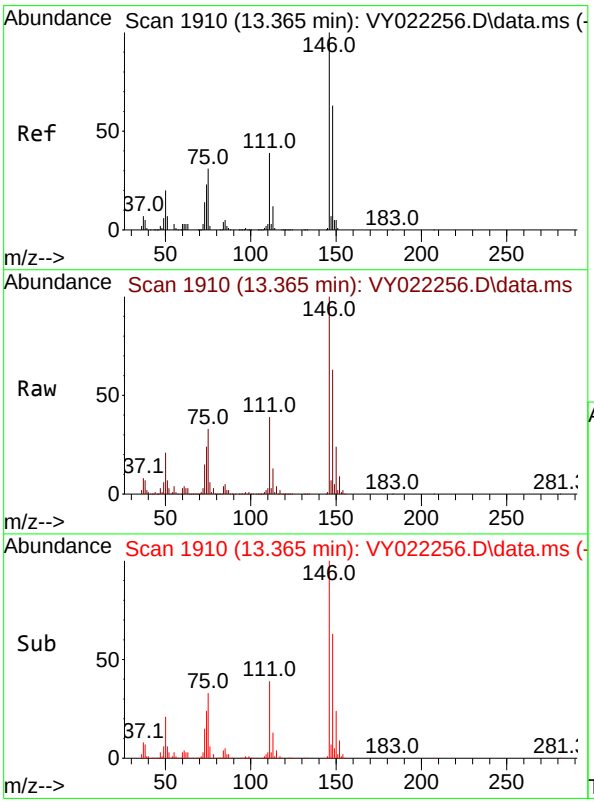
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.8	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

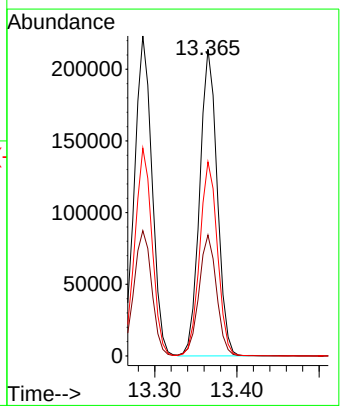
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

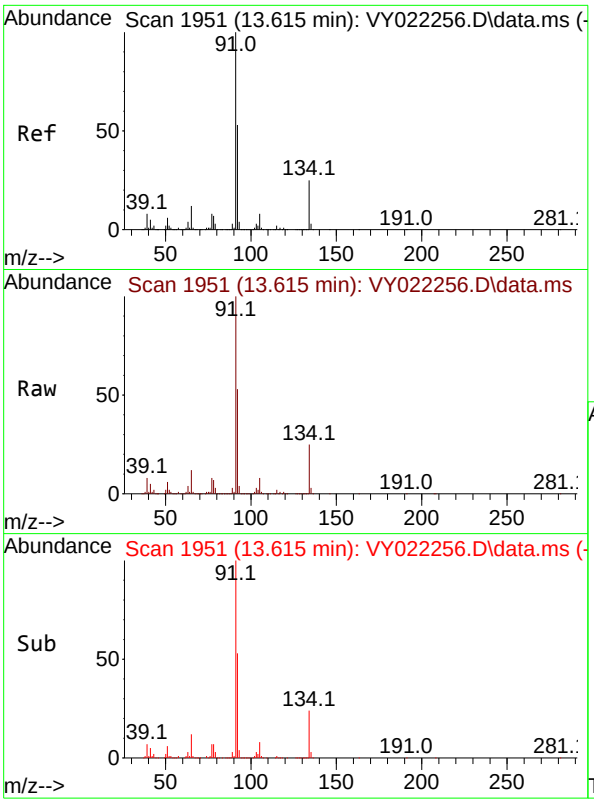


#88
1,4-Dichlorobenzene
Concen: 50.363 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 315598

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.3	32.1	96.5

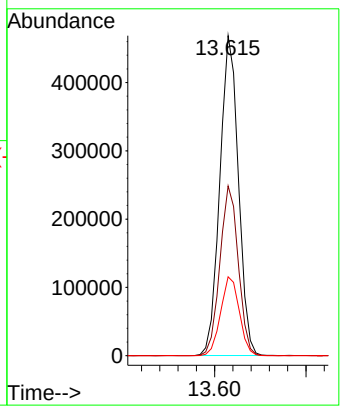




#89
n-Butylbenzene
Concen: 52.245 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 66153

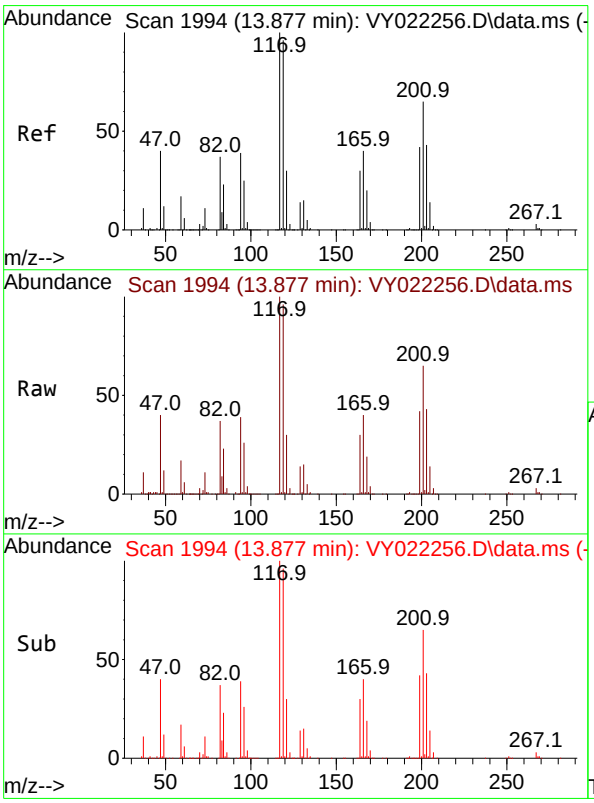
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	24.9	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

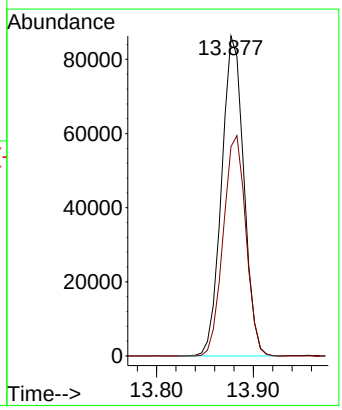
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

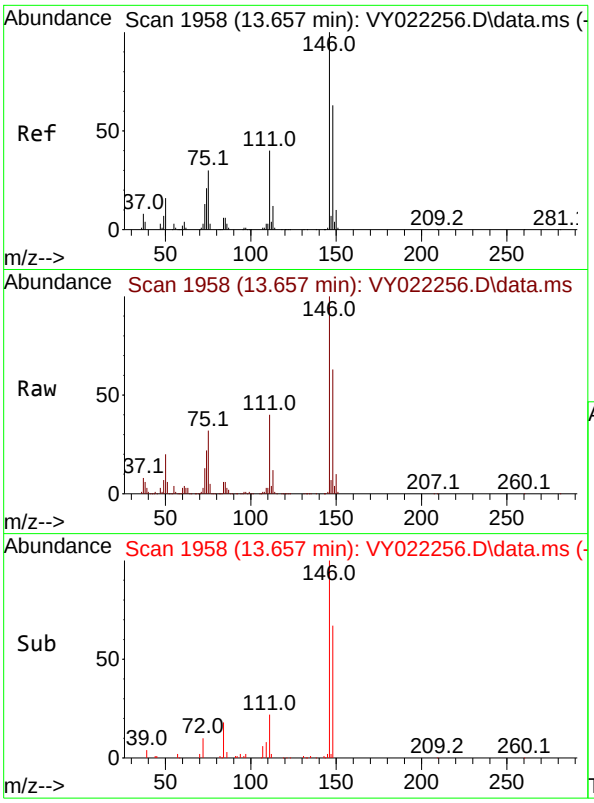


#90
Hexachloroethane
Concen: 50.791 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 137225

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6

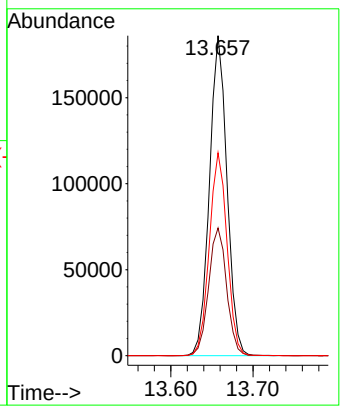




#91
1,2-Dichlorobenzene
Concen: 50.558 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 27666

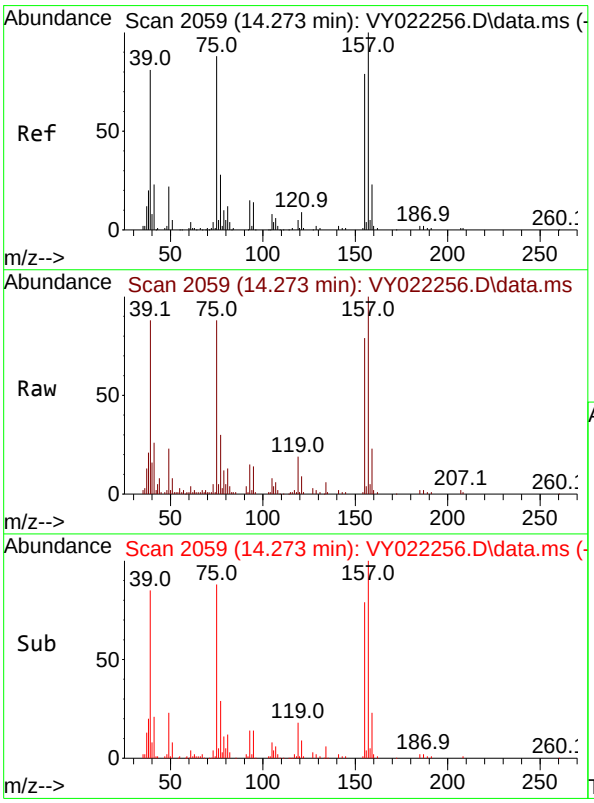
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

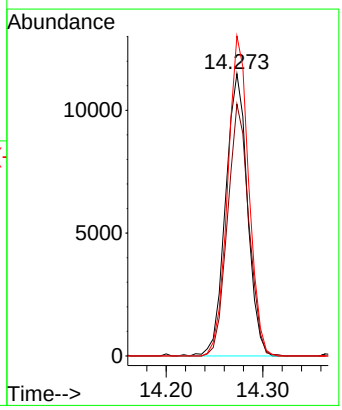
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

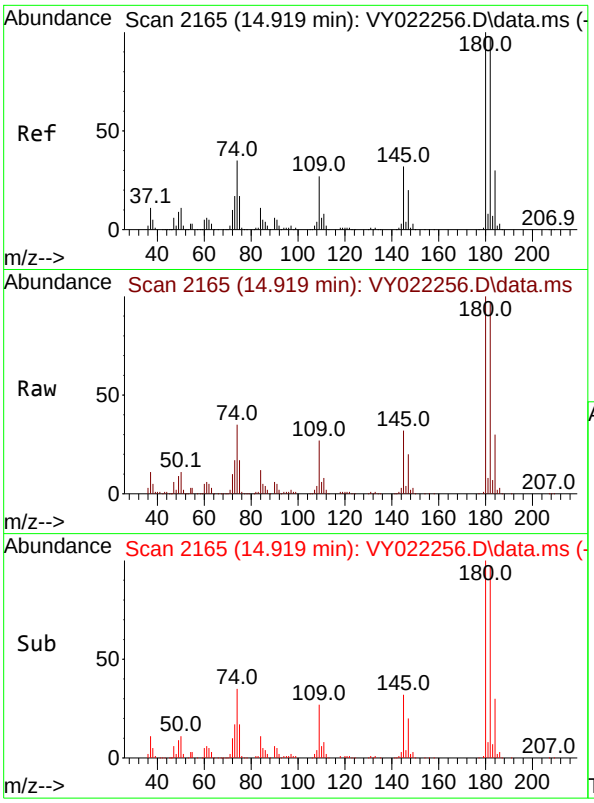


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.682 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 18039

Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.4	130.1
157	109.3	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 51.338 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

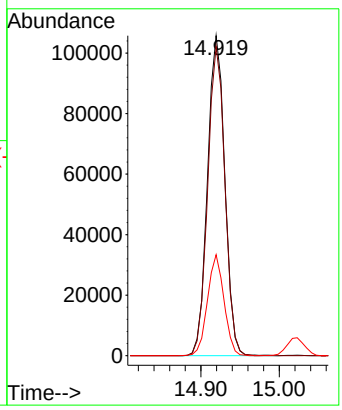
Tgt Ion:180 Resp: 16227

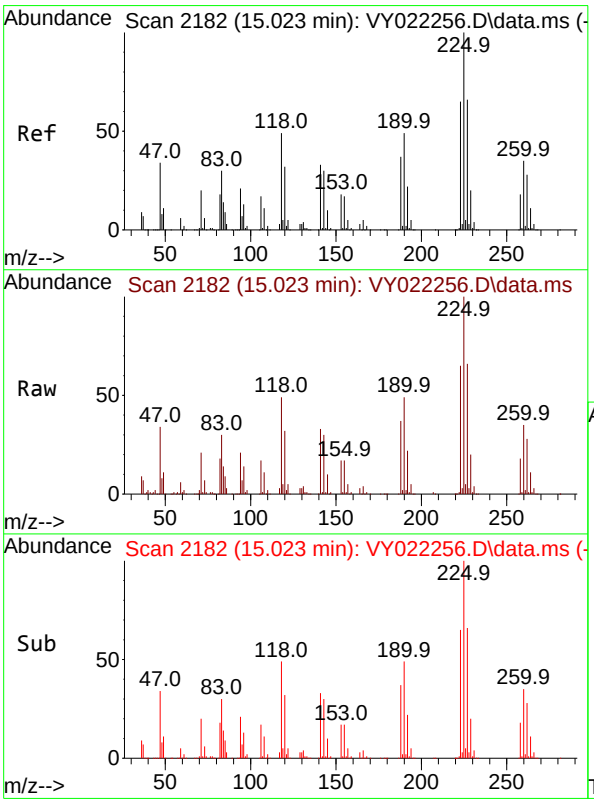
Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	30.1	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

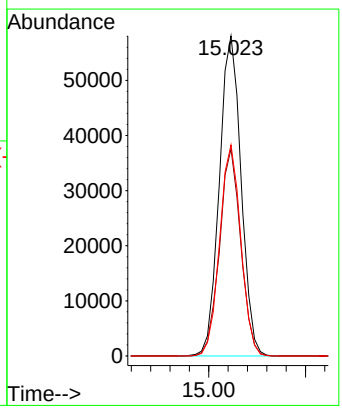


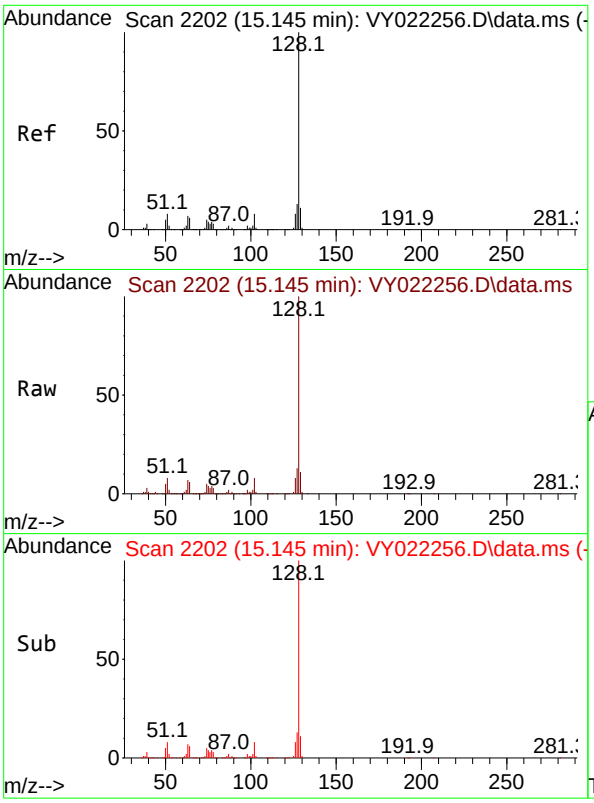


#94
Hexachlorobutadiene
Concen: 51.313 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:225 Resp: 90452

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	64.2	32.1	96.3

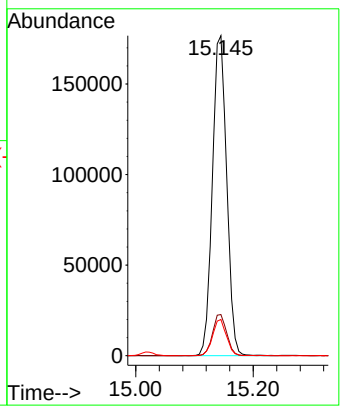




#95
Naphthalene
Concen: 49.692 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:128 Resp: 29807

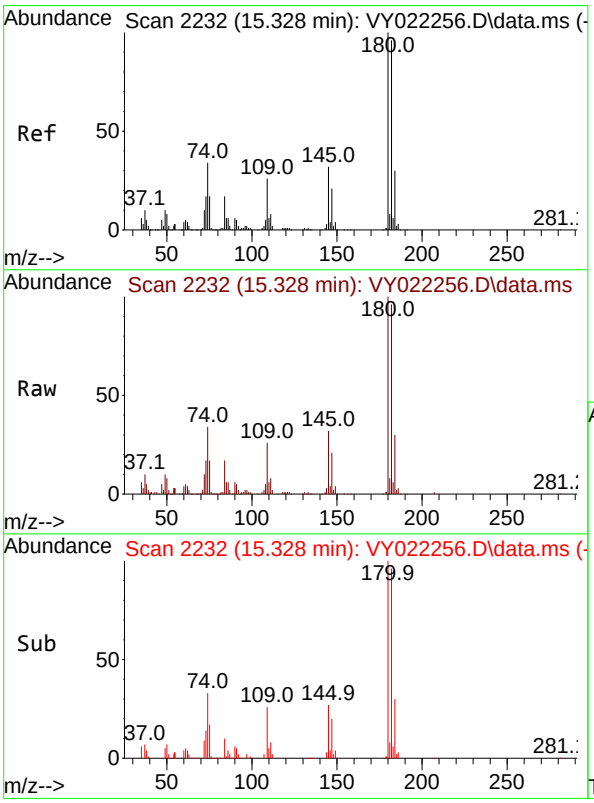
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

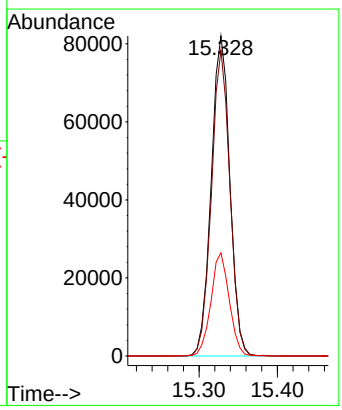
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.596 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:180 Resp: 135673

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	31.7	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	268393	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	443341	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	385348	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189780	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	292533	99.729	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.460%#				
35) Dibromofluoromethane	7.634	113	262995	99.389	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 198.780%#				
50) Toluene-d8	10.103	98	1076035	99.289	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 198.580%#				
62) 4-Bromofluorobenzene	12.408	95	343397	99.968	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 199.940%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	252438	90.138	ug/l		99
3) Chloromethane	2.062	50	561441	95.302	ug/l		100
4) Vinyl Chloride	2.202	62	639001	97.085	ug/l		96
5) Bromomethane	2.586	94	512452	95.642	ug/l		98
6) Chloroethane	2.732	64	393556	96.113	ug/l		99
7) Trichlorofluoromethane	3.049	101	650265	97.581	ug/l		100
8) Diethyl Ether	3.452	74	158375	99.031	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.812	101	272288	94.120	ug/l		99
10) Methyl Iodide	4.000	142	349345	104.334	ug/l		100
11) Tert butyl alcohol	4.872	59	112593	502.655	ug/l	#	100
12) 1,1-Dichloroethene	3.787	96	277897	96.798	ug/l		97
13) Acrolein	3.653	56	156649	478.373	ug/l		99
14) Allyl chloride	4.378	41	500514	99.429	ug/l		100
15) Acrylonitrile	5.055	53	340325	516.458	ug/l		99
16) Acetone	3.872	43	252327	458.767	ug/l		99
17) Carbon Disulfide	4.104	76	901081	96.251	ug/l		99
18) Methyl Acetate	4.385	43	185837	111.043	ug/l		100
19) Methyl tert-butyl Ether	5.116	73	807404	101.997	ug/l		98
20) Methylene Chloride	4.610	84	305912	86.076	ug/l		98
21) trans-1,2-Dichloroethene	5.116	96	311460	98.288	ug/l		97
22) Diisopropyl ether	6.018	45	1075035	101.128	ug/l		99
23) Vinyl Acetate	5.957	43	3259000	507.456	ug/l		100
24) 1,1-Dichloroethane	5.915	63	586479	98.750	ug/l		99
25) 2-Butanone	6.890	43	467301	507.932	ug/l		97
26) 2,2-Dichloropropane	6.884	77	515990	97.682	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	368826	100.861	ug/l		100
28) Bromochloromethane	7.244	49	251676	99.349	ug/l		100
29) Tetrahydrofuran	7.262	42	312286	527.609	ug/l		100
30) Chloroform	7.421	83	565823	99.326	ug/l		98
31) Cyclohexane	7.701	56	535839	90.301	ug/l		99
32) 1,1,1-Trichloroethane	7.616	97	506927	96.995	ug/l		100
36) 1,1-Dichloropropene	7.835	75	429153	98.465	ug/l		99
37) Ethyl Acetate	6.982	43	213152	101.642	ug/l		99
38) Carbon Tetrachloride	7.817	117	451589	100.097	ug/l		98
39) Methylcyclohexane	9.109	83	566259	96.704	ug/l		98
40) Benzene	8.079	78	1313733	101.677	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	131157m	85.474	ug/l		
42) 1,2-Dichloroethane	8.158	62	356974	102.165	ug/l		100
43) Isopropyl Acetate	8.195	43	473430	103.517	ug/l		99
44) Trichloroethene	8.865	130	315543	98.218	ug/l		97
45) 1,2-Dichloropropane	9.140	63	314179	100.858	ug/l		98
46) Dibromomethane	9.231	93	170712	101.606	ug/l		99
47) Bromodichloromethane	9.420	83	446829	102.514	ug/l		99
48) Methyl methacrylate	9.219	41	229512	107.308	ug/l		100
49) 1,4-Dioxane	9.231	88	37780	1990.455	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	1218685	543.068	ug/l		100
52) Toluene	10.170	92	839400	102.593	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	441672	103.832	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	498023	102.190	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	219460	102.005	ug/l		99
56) Ethyl methacrylate	10.438	69	353013	105.335	ug/l		98
57) 1,3-Dichloropropane	10.719	76	391514	102.420	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	872907	580.295	ug/l		99
59) 2-Hexanone	10.761	43	809288	537.872	ug/l		100
60) Dibromochloromethane	10.908	129	292143	104.616	ug/l		99
61) 1,2-Dibromoethane	11.011	107	207266	103.362	ug/l		99
64) Tetrachloroethene	10.646	164	343677	96.489	ug/l		99
65) Chlorobenzene	11.438	112	881086	101.346	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	307866	103.007	ug/l		99
67) Ethyl Benzene	11.517	91	1674355	102.836	ug/l		99
68) m/p-Xylenes	11.627	106	1271299	207.213	ug/l		100
69) o-Xylene	11.956	106	602390	103.777	ug/l		99
70) Styrene	11.969	104	1028498	105.038	ug/l		100
71) Bromoform	12.133	173	168679	104.561	ug/l	#	99
73) Isopropylbenzene	12.255	105	1528857	97.241	ug/l		99
74) N-amyl acetate	12.066	43	468707	104.235	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244830	101.255	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	197600m	59.078	ug/l		
77) Bromobenzene	12.529	156	337329	100.456	ug/l		99
78) n-propylbenzene	12.597	91	1846449	97.365	ug/l		100
79) 2-Chlorotoluene	12.676	91	1026401	98.488	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1233838	97.216	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	93252	98.251	ug/l		98
82) 4-Chlorotoluene	12.779	91	1061772	99.052	ug/l		99
83) tert-Butylbenzene	12.999	119	1092617	96.859	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1263612	100.297	ug/l		100
85) sec-Butylbenzene	13.176	105	1634720	97.623	ug/l		100
86) p-Isopropyltoluene	13.291	119	1424684	101.161	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	697868	101.803	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	654104	99.199	ug/l		99
89) n-Butylbenzene	13.615	91	1310061	98.327	ug/l		99
90) Hexachloroethane	13.877	117	275652	96.961	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	576915	100.192	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41275	105.859	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	342939	103.107	ug/l		100
94) Hexachlorobutadiene	15.023	225	180060	97.075	ug/l		100
95) Naphthalene	15.145	128	674950	106.935	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	294823	104.488	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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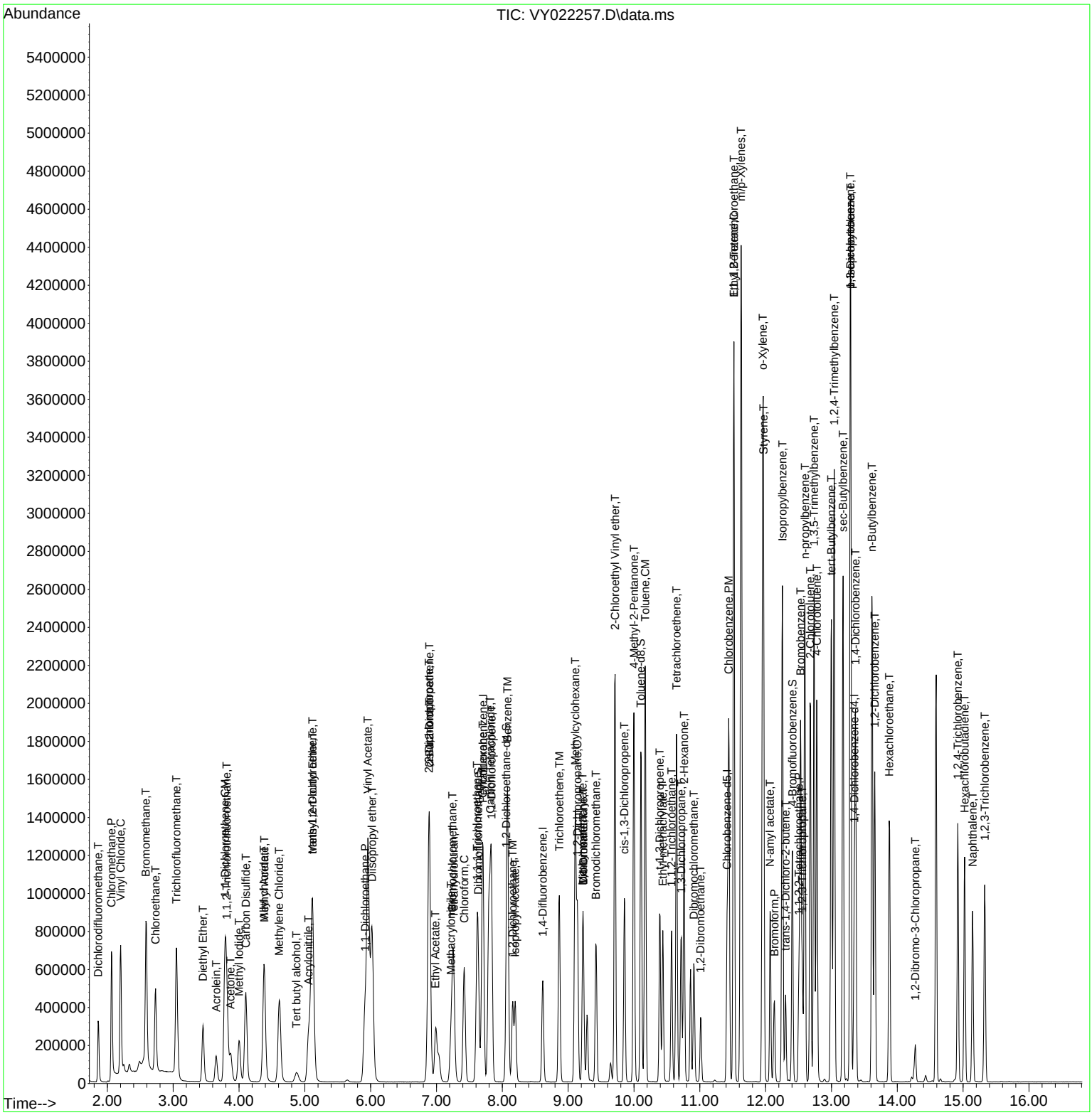
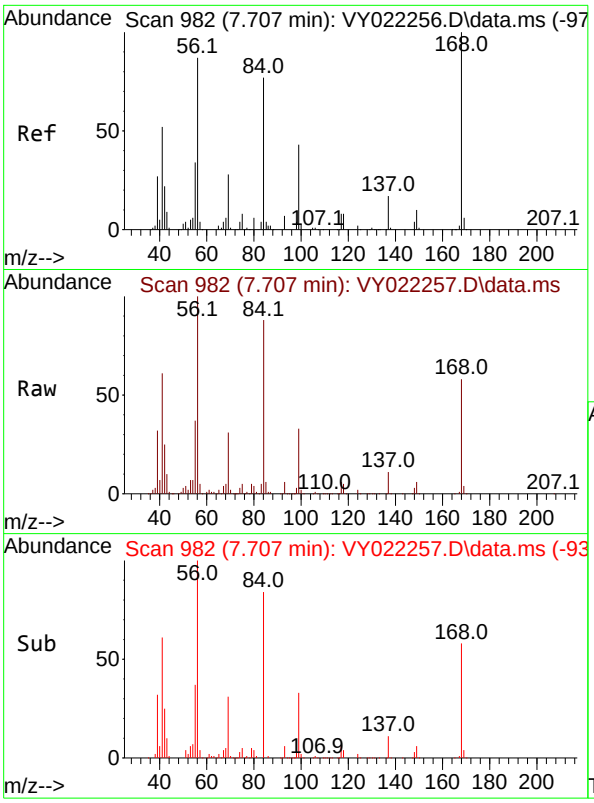
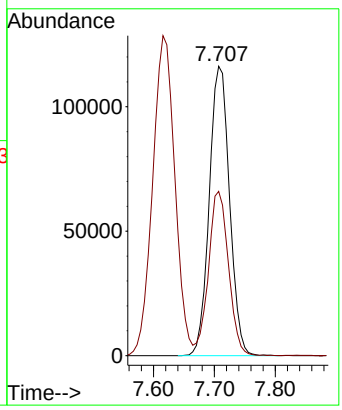




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:168 Resp: 26839

Ion	Ratio	Lower	Upper
168	100		
99	56.7	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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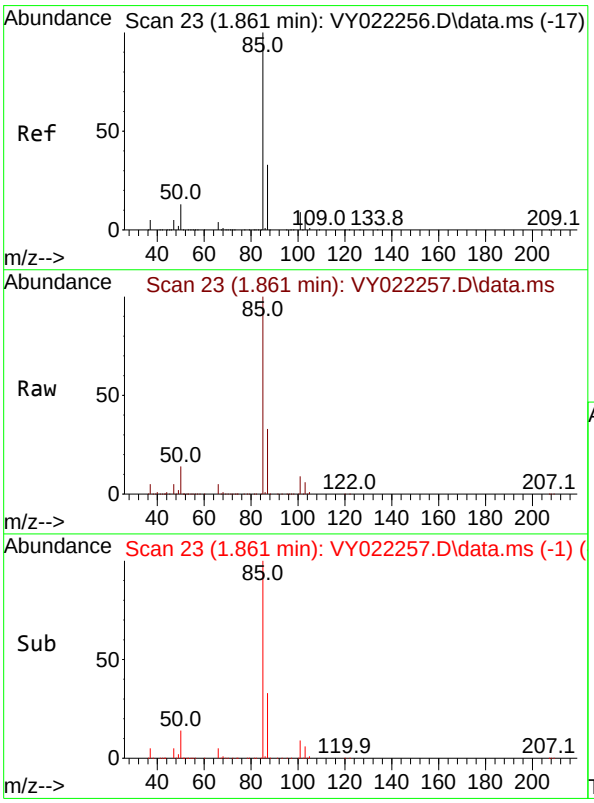
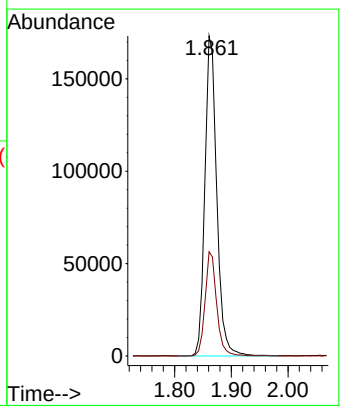
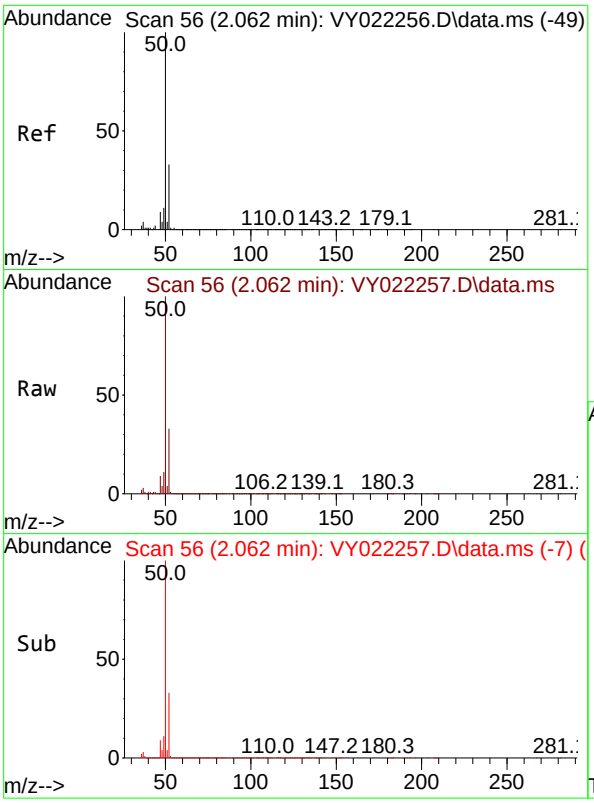


#2
Dichlorodifluoromethane
Concen: 90.138 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 85 Resp: 252438

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5

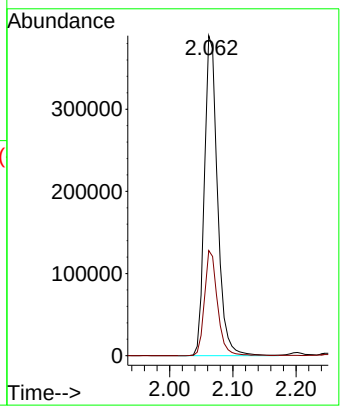




#3
Chloromethane
Concen: 95.302 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 50 Resp: 56144

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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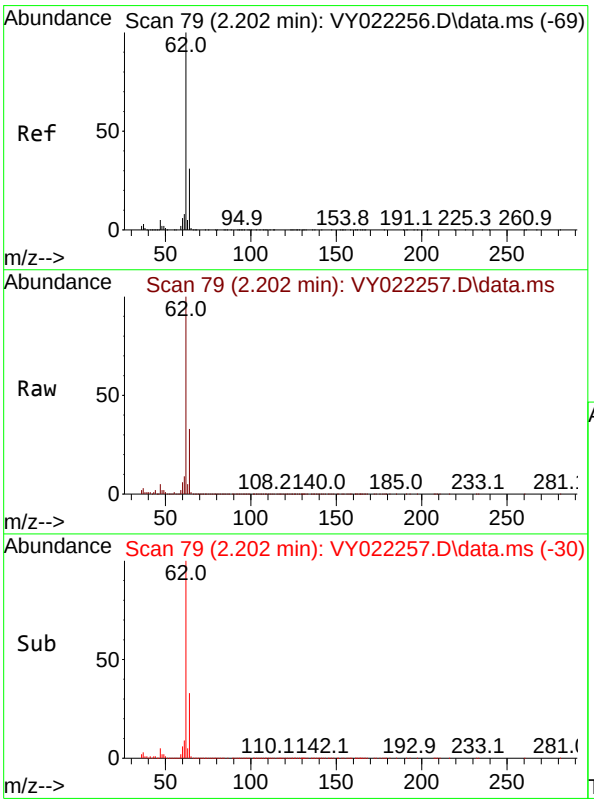
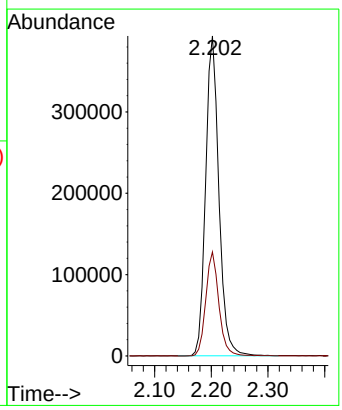
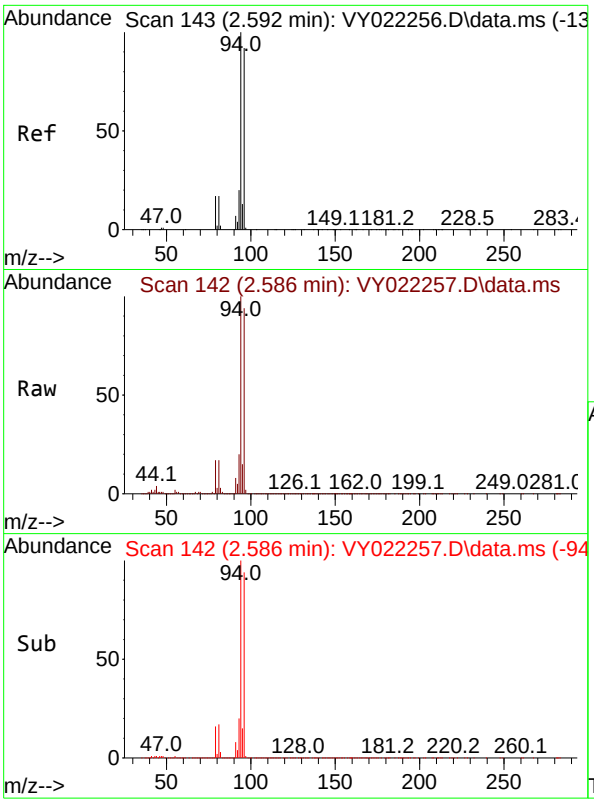


#4
Vinyl Chloride
Concen: 97.085 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 639001

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7





#5
Bromomethane
Concen: 95.642 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 94 Resp: 51245

Ion	Ratio	Lower	Upper
94	100		
96	93.7	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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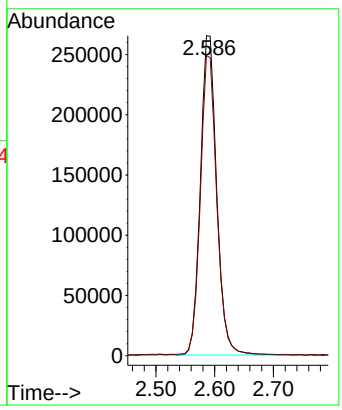
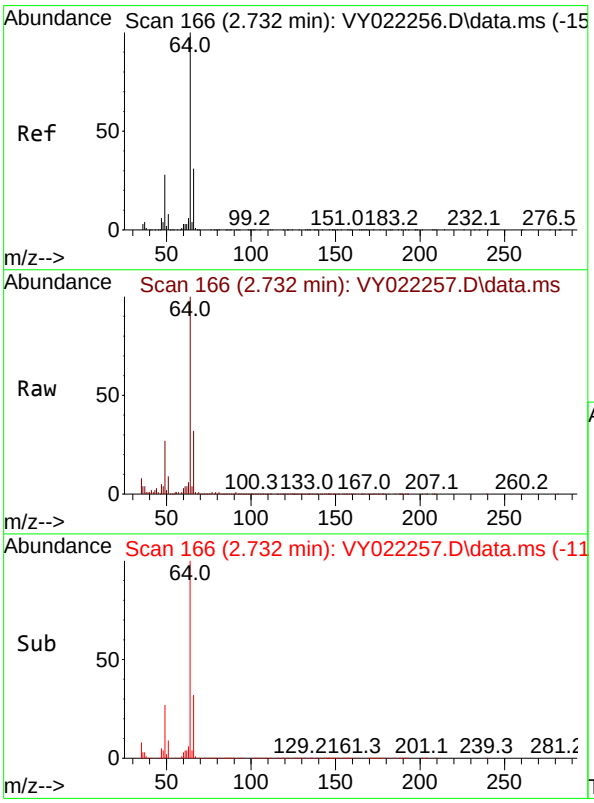
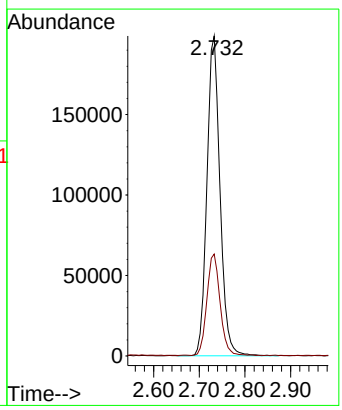


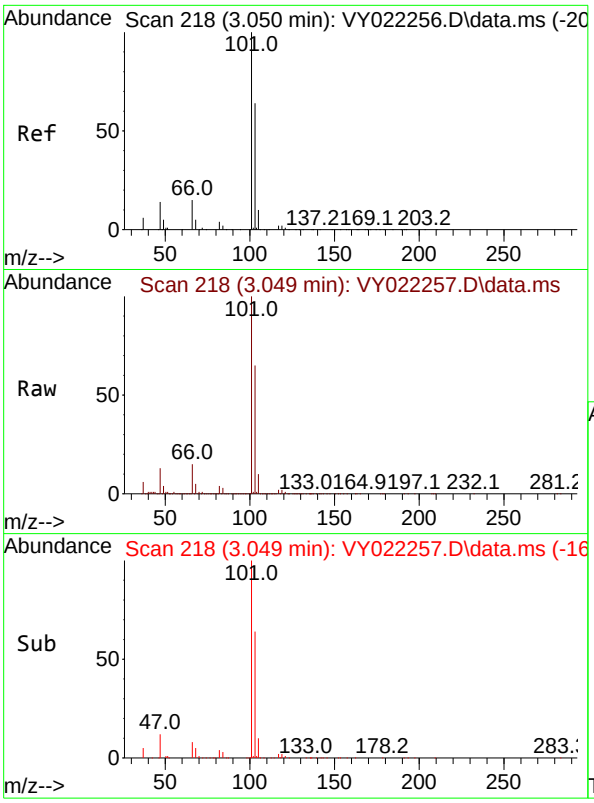


#6
Chloroethane
Concen: 96.113 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 64 Resp: 393556

Ion	Ratio	Lower	Upper
64	100		
66	31.7	24.8	37.2

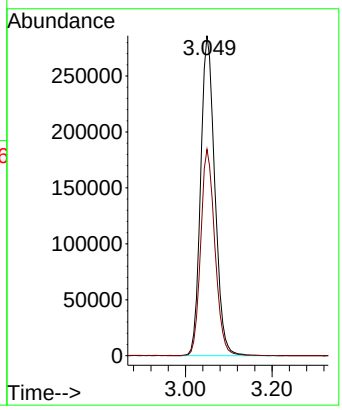




#7
Trichlorofluoromethane
Concen: 97.581 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:101 Resp: 65026

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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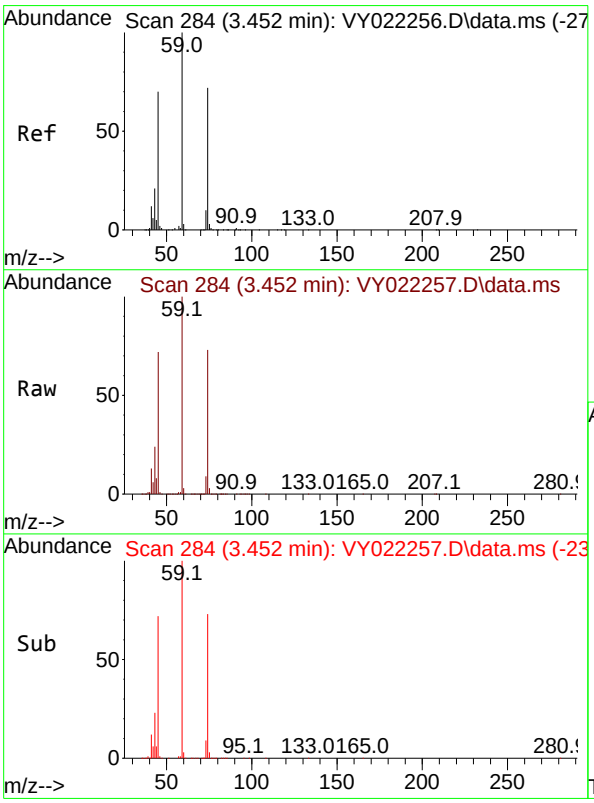
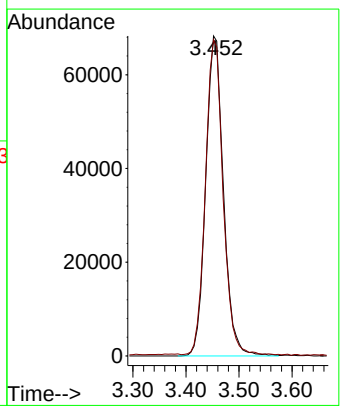
Supervised By :Semsettin Yesilyurt 05/16/2025

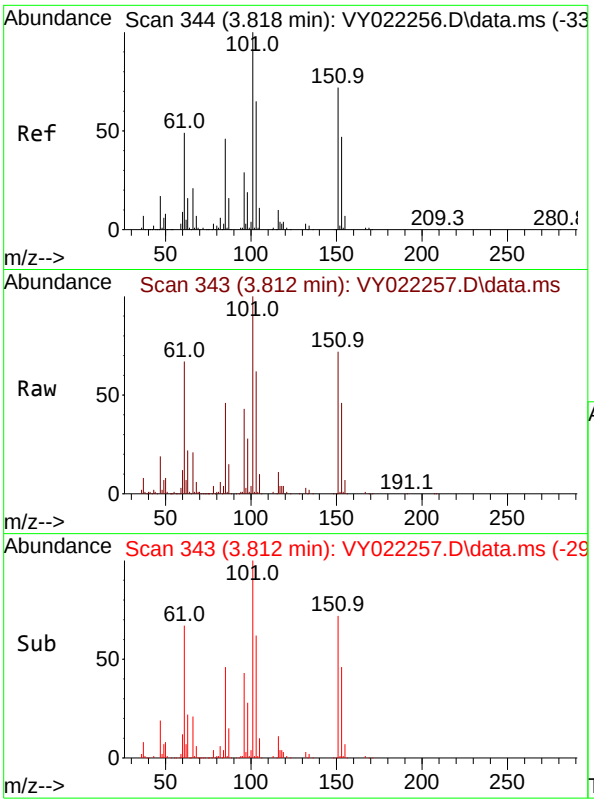


#8
Diethyl Ether
Concen: 99.031 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 74 Resp: 158375

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8

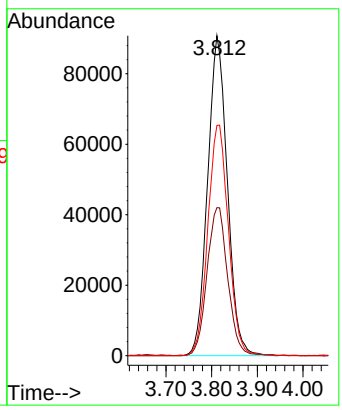




#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.120 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:101 Resp: 27228

Ion	Ratio	Lower	Upper
101	100		
85	48.8	38.6	58.0
151	75.3	59.7	89.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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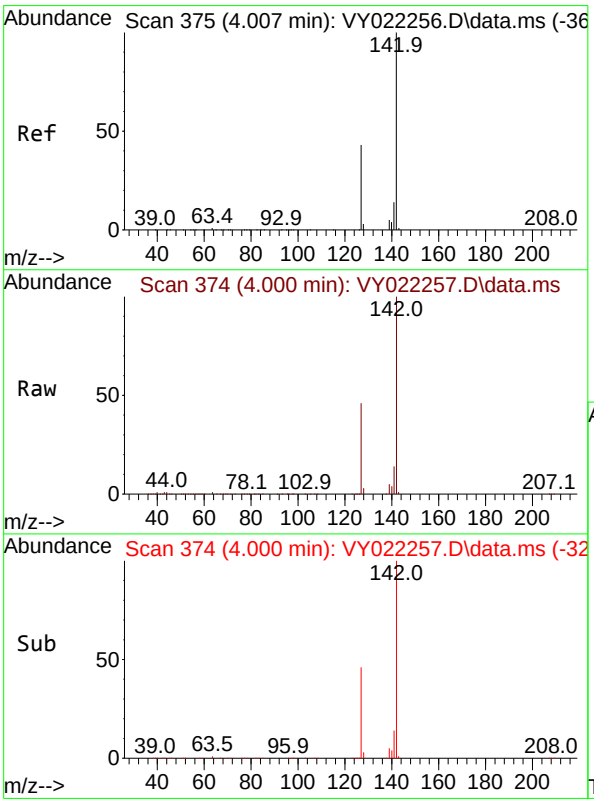
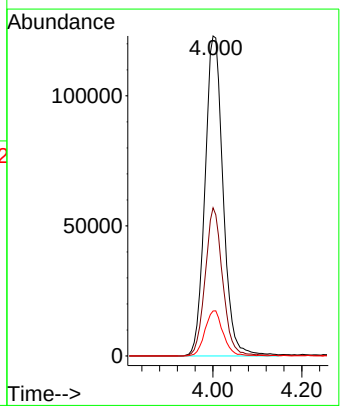
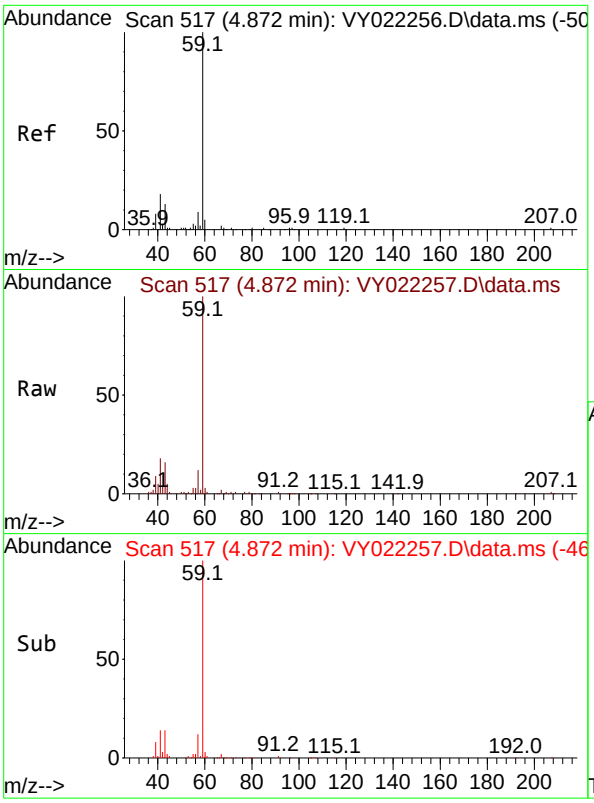


#10
Methyl Iodide
Concen: 104.334 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:142 Resp: 349345

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.1	11.1	16.7





#11
Tert butyl alcohol
Concen: 502.655 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 59 Resp: 11259

Ion	Ratio	Lower	Upper
59	100		
57	10.6	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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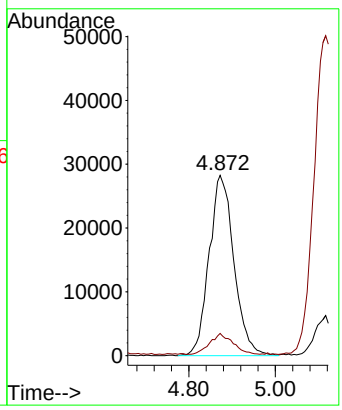
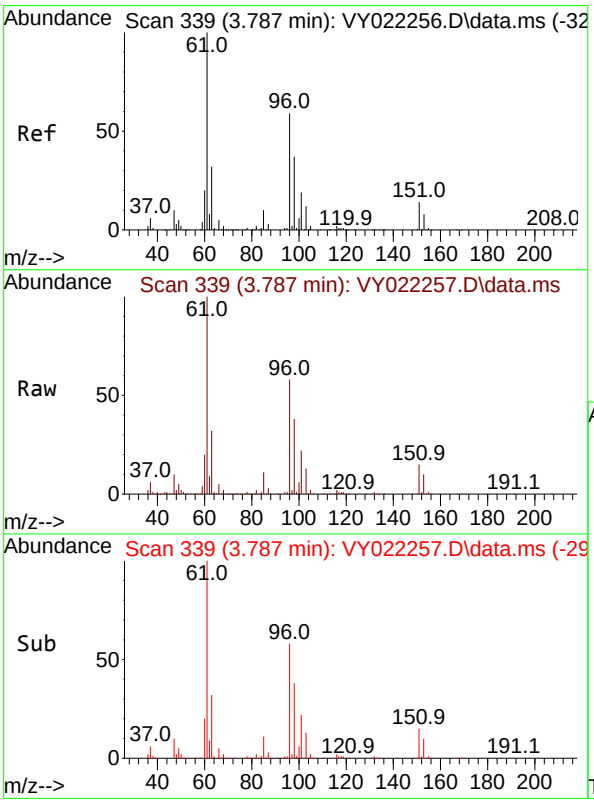
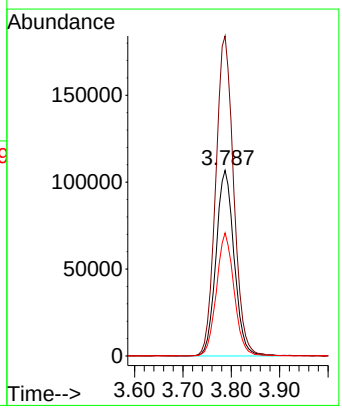


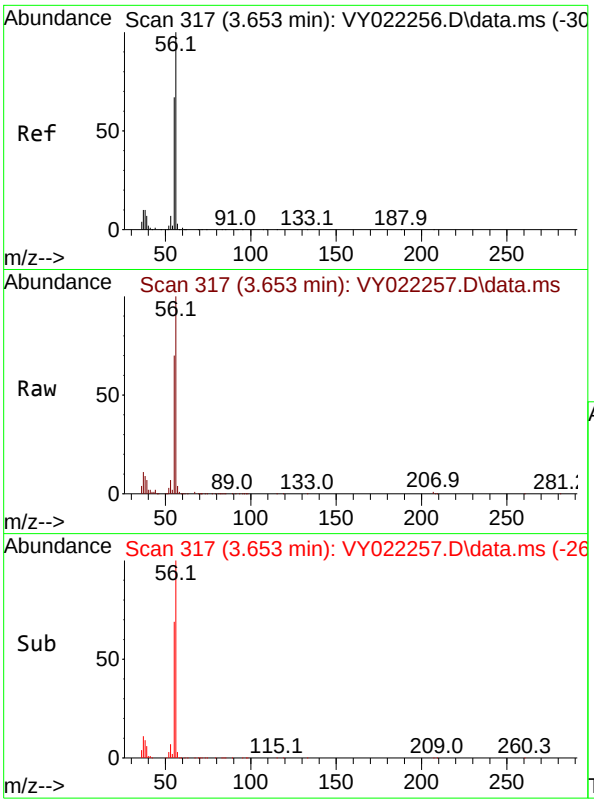


#12
1,1-Dichloroethene
Concen: 96.798 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 277897

Ion	Ratio	Lower	Upper
96	100		
61	172.4	134.9	202.3
98	66.2	49.9	74.9

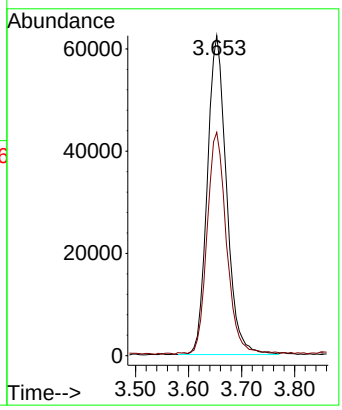




#13
Acrolein
Concen: 478.373 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 56 Resp: 15664

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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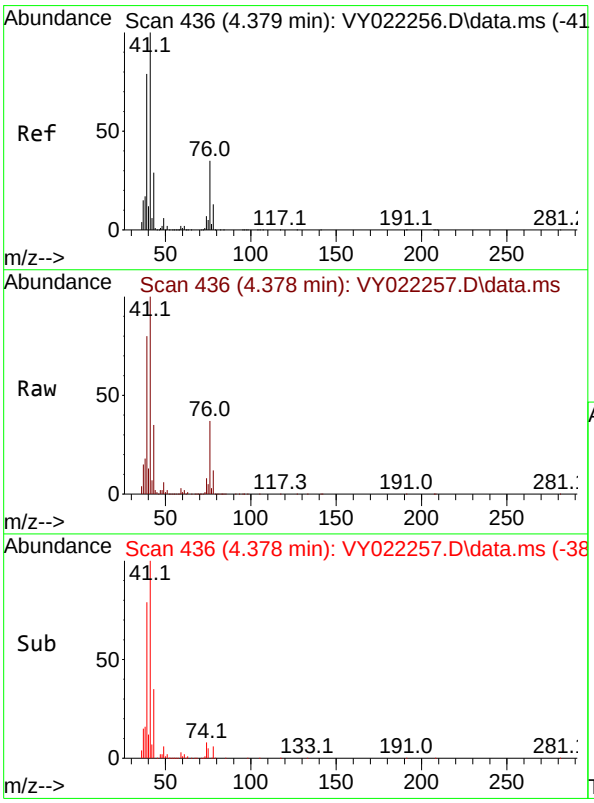
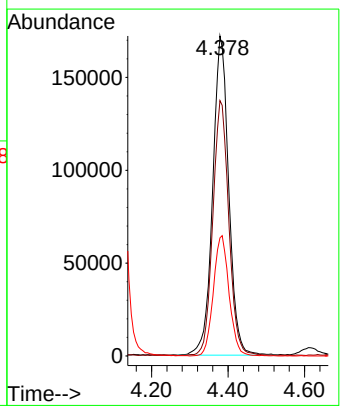
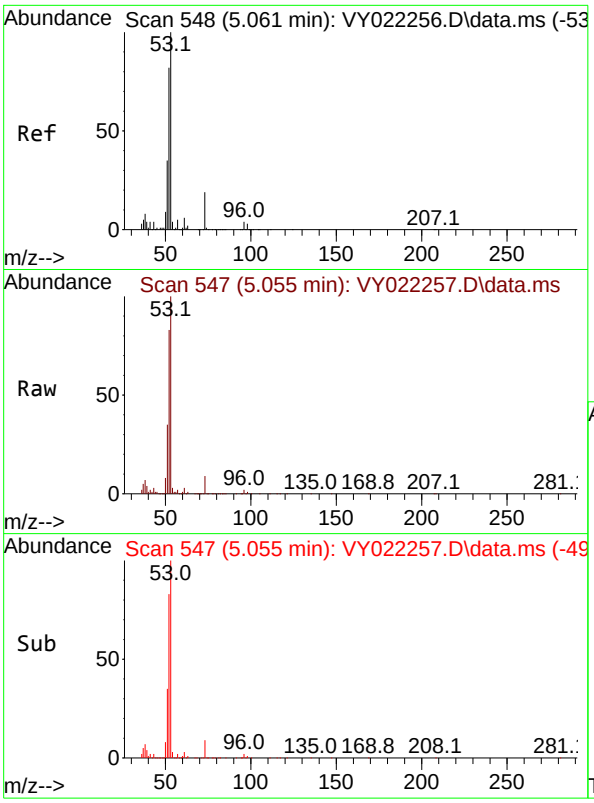


#14
Allyl chloride
Concen: 99.429 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 500514

Ion	Ratio	Lower	Upper
41	100		
39	79.4	63.4	95.0
76	36.9	29.5	44.3

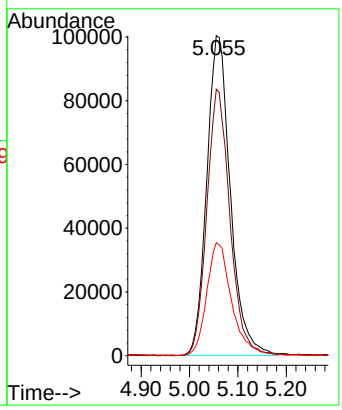




#15
Acrylonitrile
Concen: 516.458 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 53 Resp: 34032

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	37.4	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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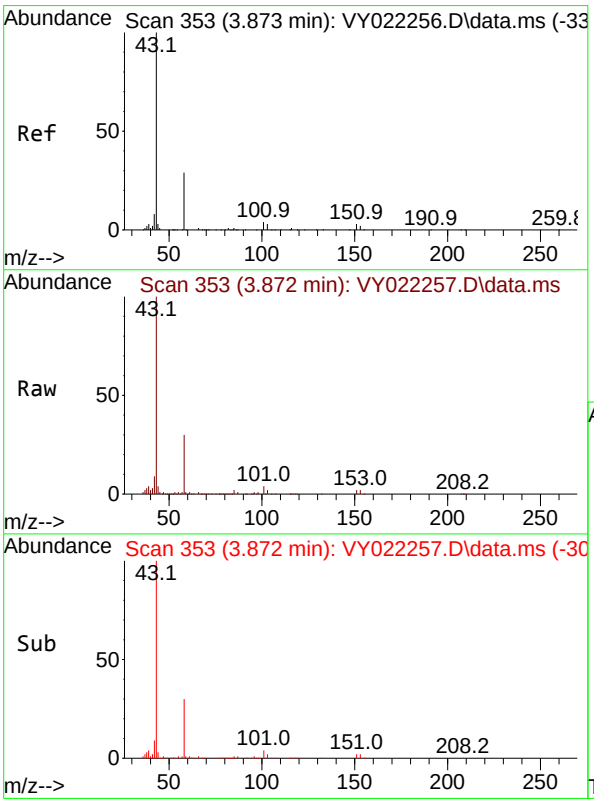
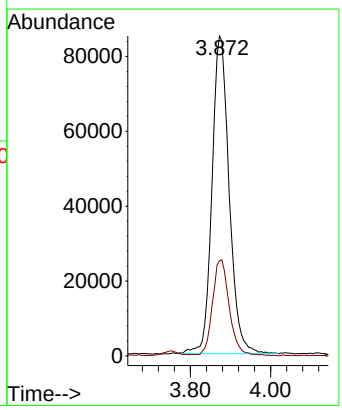
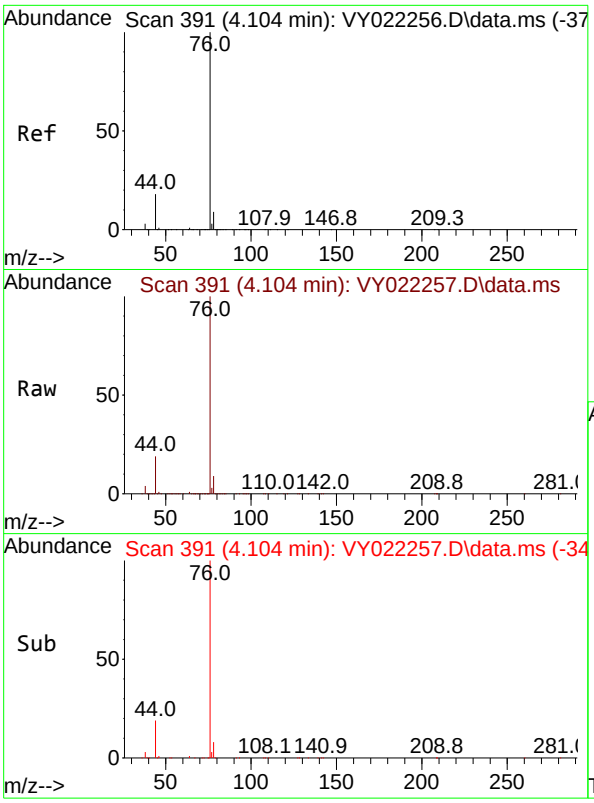


#16
Acetone
Concen: 458.767 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 252327

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4





#17
Carbon Disulfide
Concen: 96.251 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 76 Resp: 90108

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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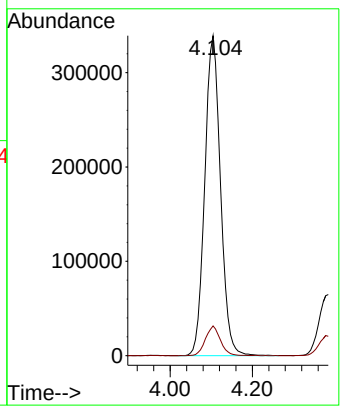
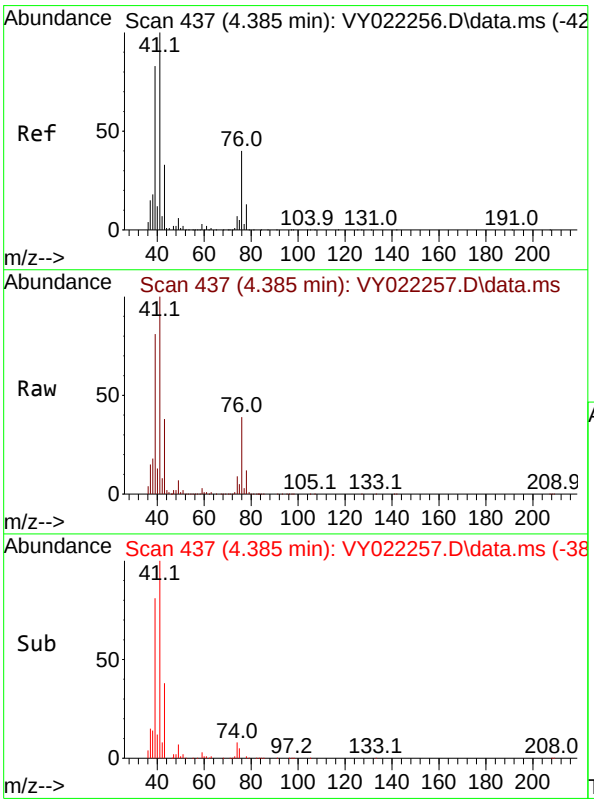
Supervised By :Semsettin Yesilyurt 05/16/2025

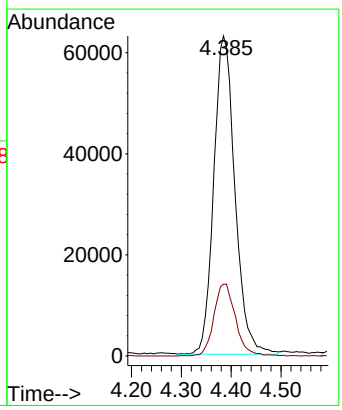


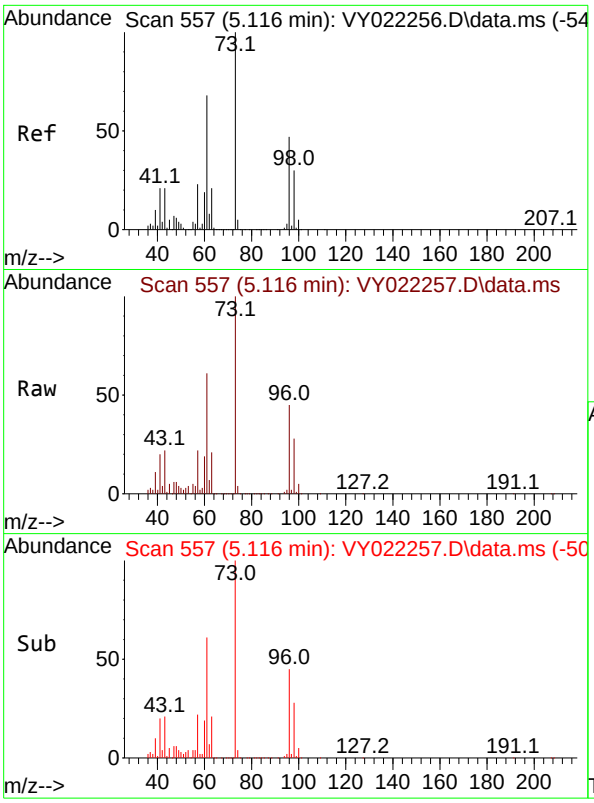


#18
Methyl Acetate
Concen: 111.043 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 185837

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.2	27.4

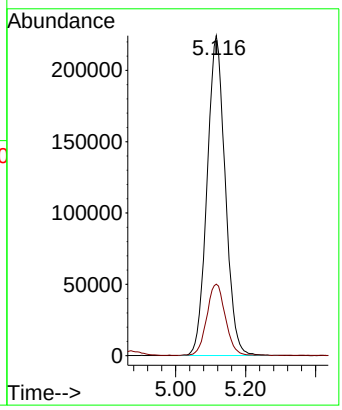




#19
Methyl tert-butyl Ether
Concen: 101.997 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 73 Resp: 80740

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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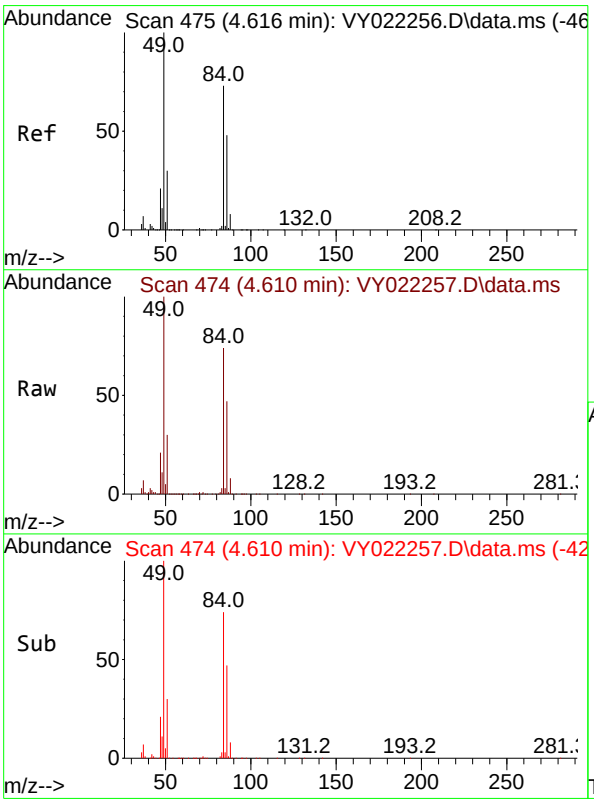
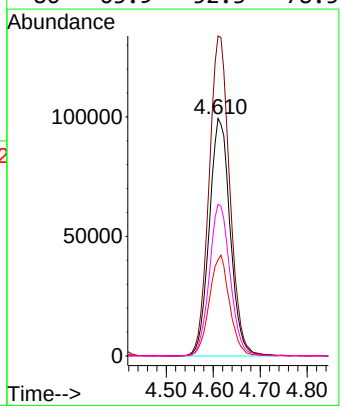
Supervised By :Semsettin Yesilyurt 05/16/2025

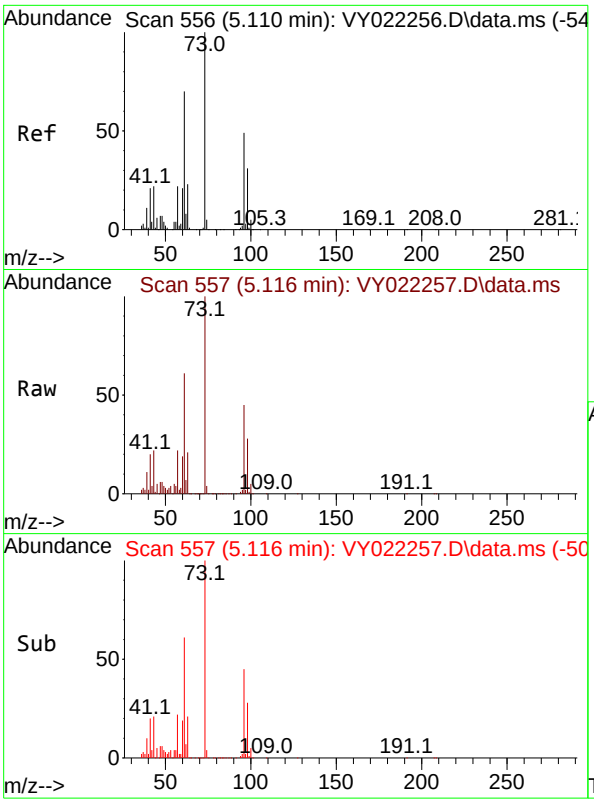


#20
Methylene Chloride
Concen: 86.076 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 84 Resp: 305912

Ion	Ratio	Lower	Upper
84	100		
49	134.8	109.6	164.4
51	40.3	32.4	48.6
86	63.9	52.3	78.5

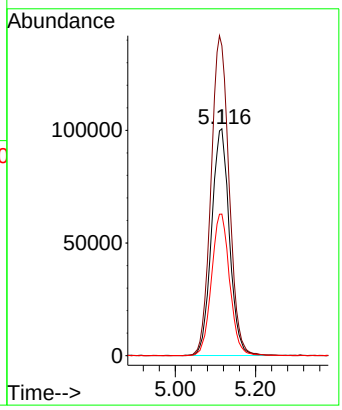




#21
trans-1,2-Dichloroethene
Concen: 98.288 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 31146

Ion	Ratio	Lower	Upper
96	100		
61	136.7	113.4	170.0
98	62.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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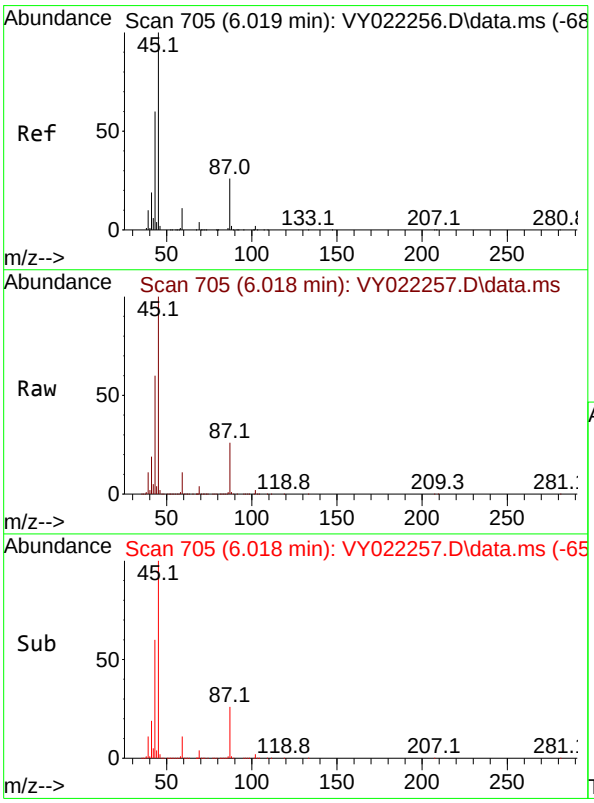
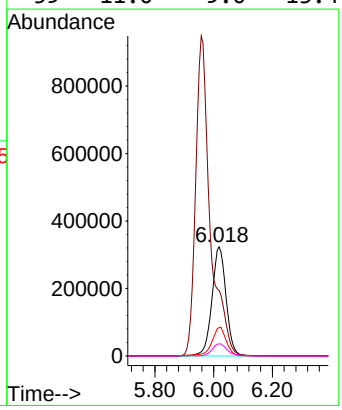
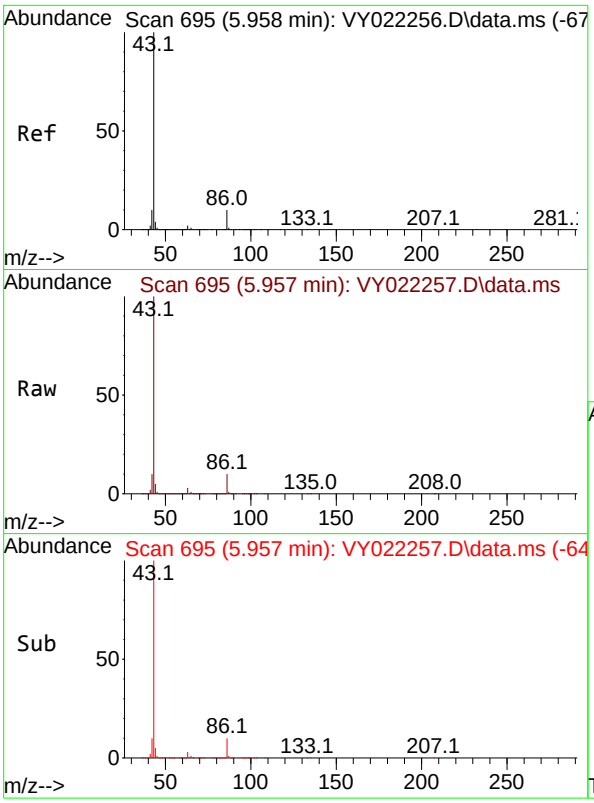


#22
Diisopropyl ether
Concen: 101.128 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 45 Resp: 1075035

Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.2	72.2
87	25.9	21.4	32.0
59	11.0	9.0	13.4





#23
Vinyl Acetate
Concen: 507.456 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 325900

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
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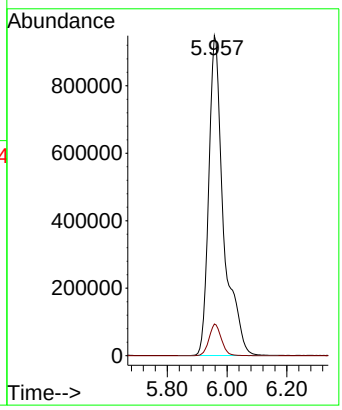
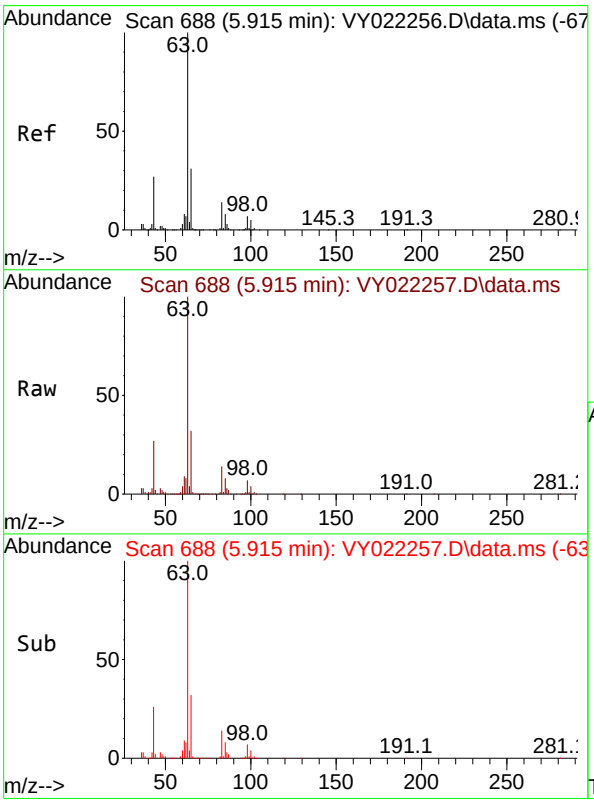
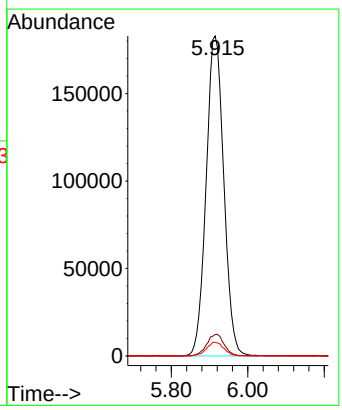


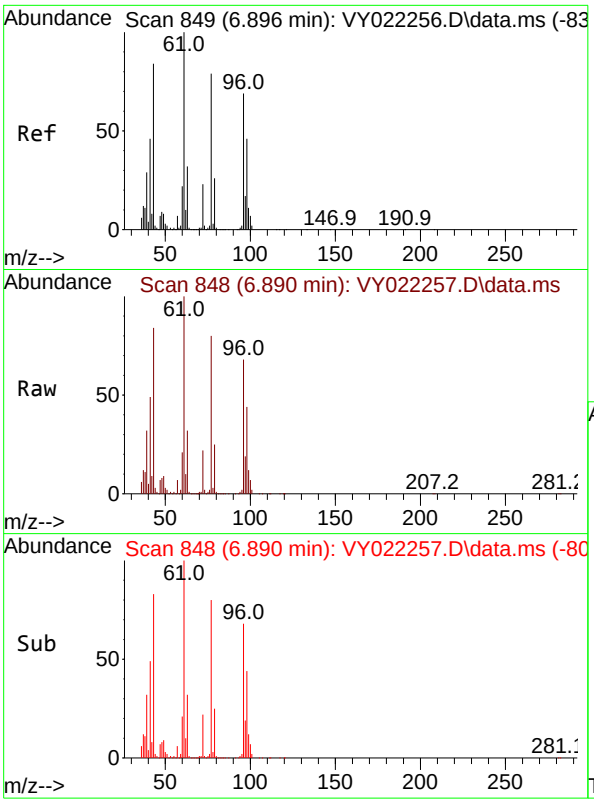


#24
1,1-Dichloroethane
Concen: 98.750 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 586479

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 507.932 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 46730

Ion	Ratio	Lower	Upper
43	100		
72	25.8	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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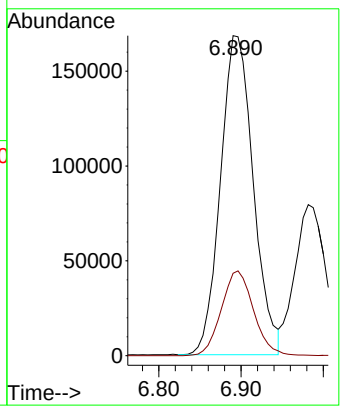
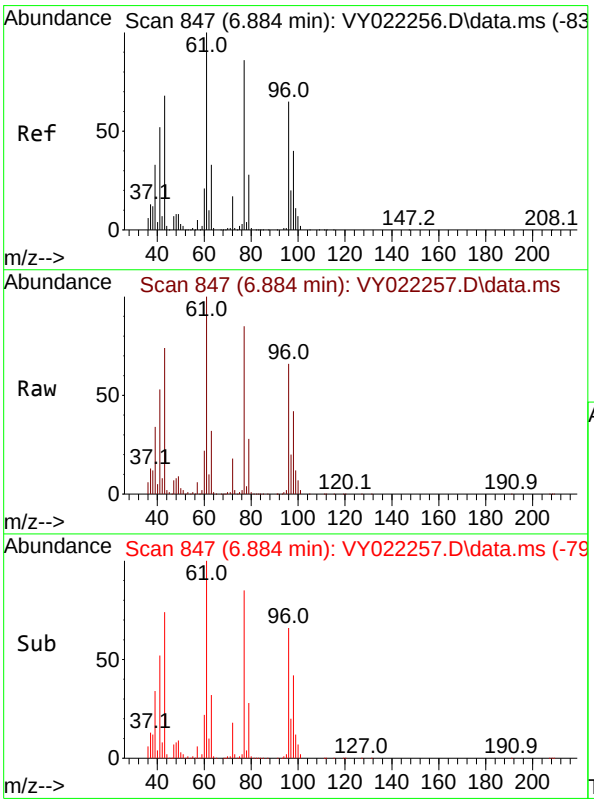
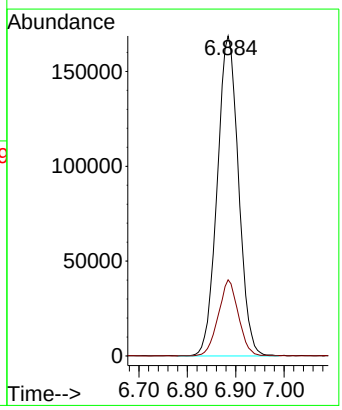


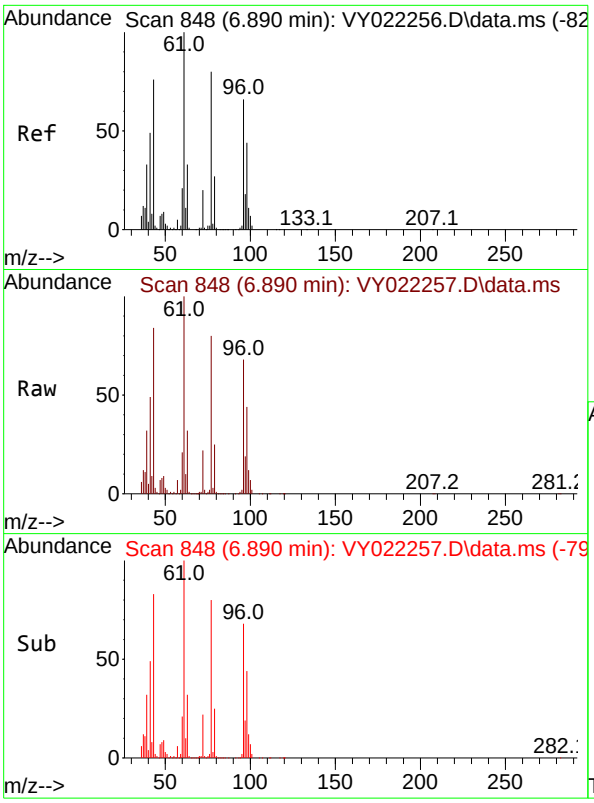


#26
2,2-Dichloropropane
Concen: 97.682 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 77 Resp: 515990

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5

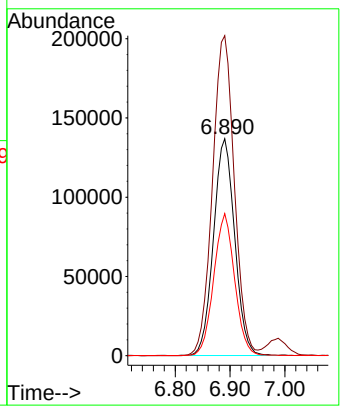




#27
cis-1,2-Dichloroethene
Concen: 100.861 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 36882

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	302.6
98	64.6	0.0	128.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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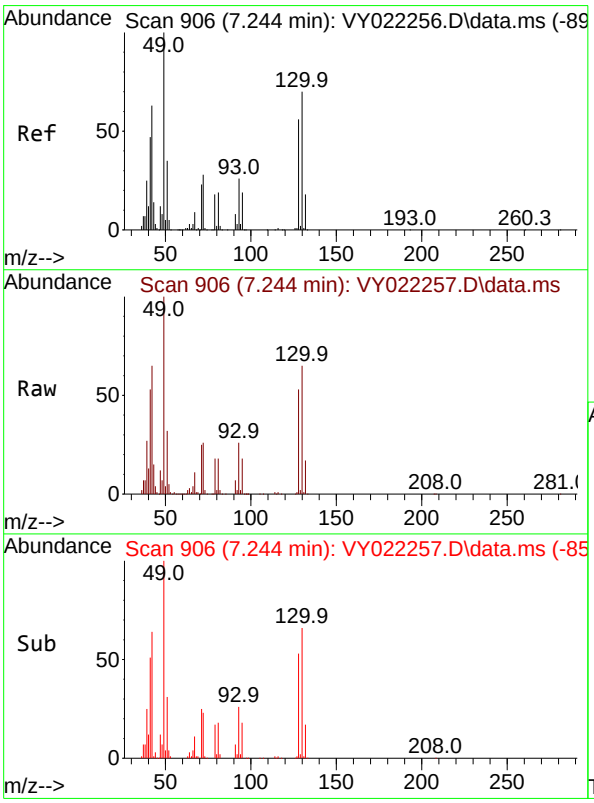
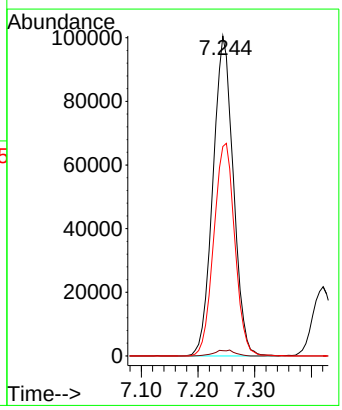
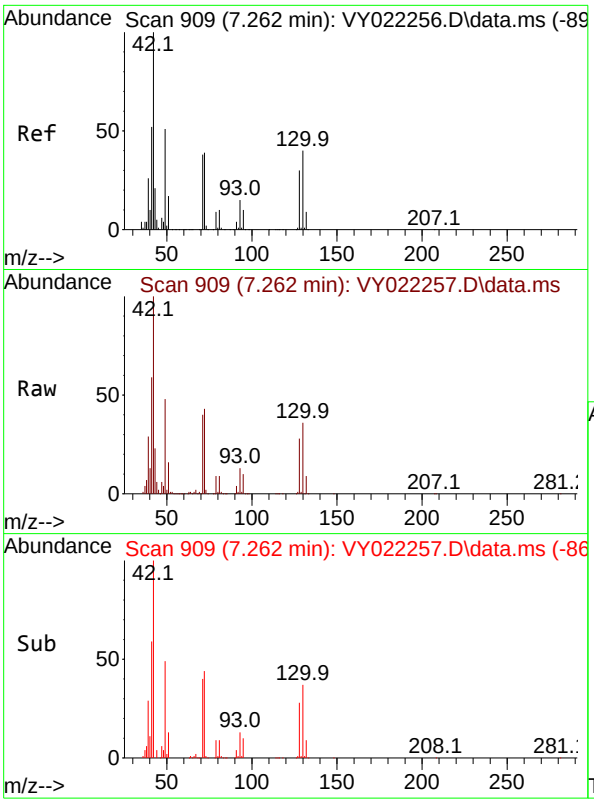


#28
Bromochloromethane
Concen: 99.349 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 49 Resp: 251676

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.4	54.7	82.1

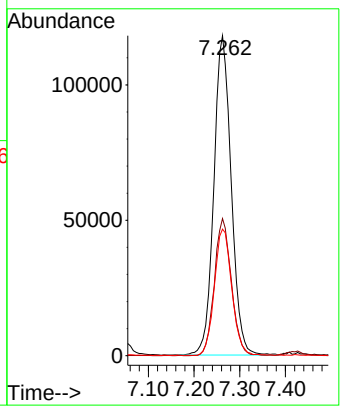




#29
Tetrahydrofuran
Concen: 527.609 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 42 Resp: 31228

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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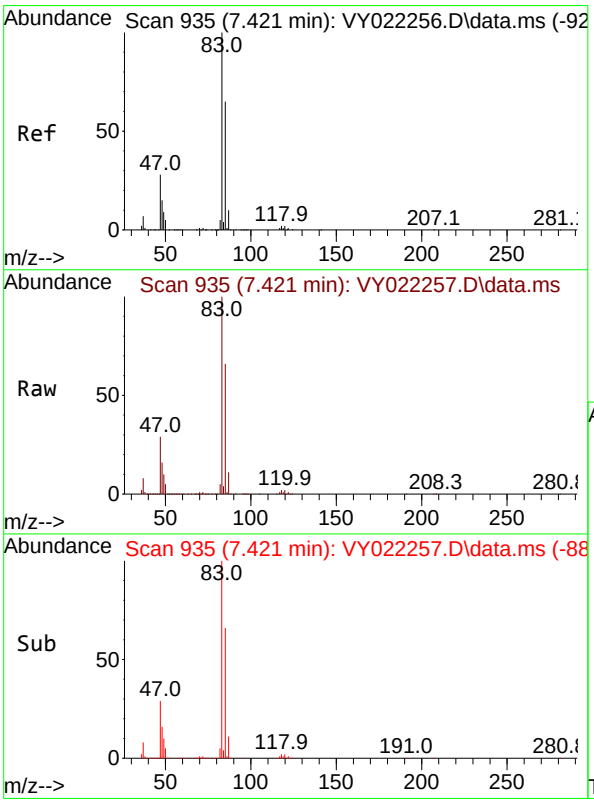
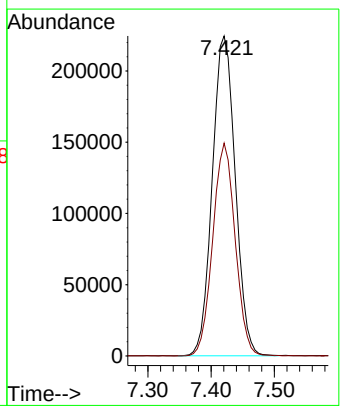
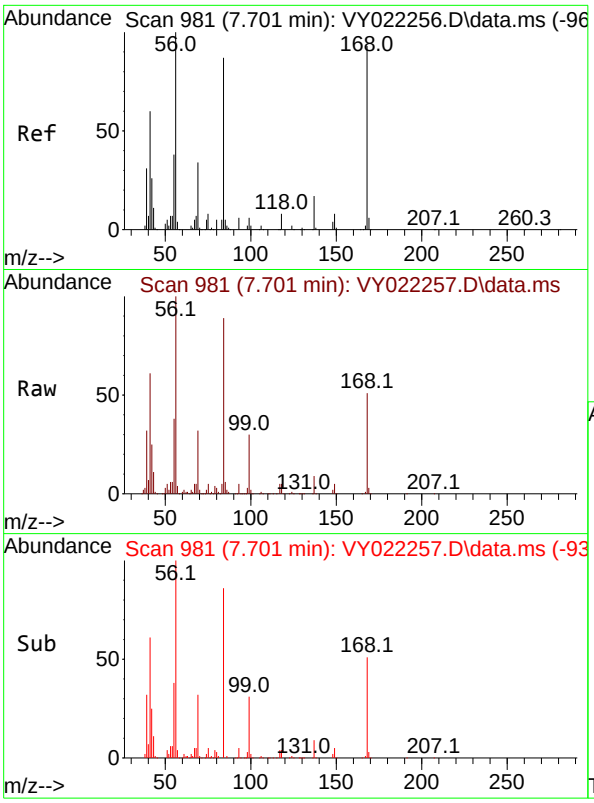


#30
Chloroform
Concen: 99.326 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 565823

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.8	77.8

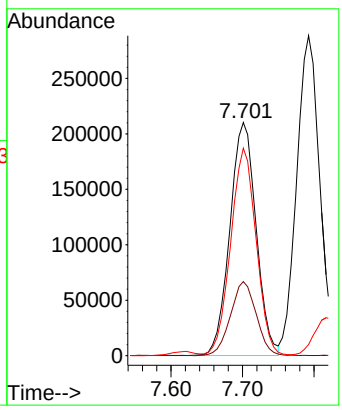




#31
Cyclohexane
Concen: 90.301 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 56 Resp: 53583

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.6	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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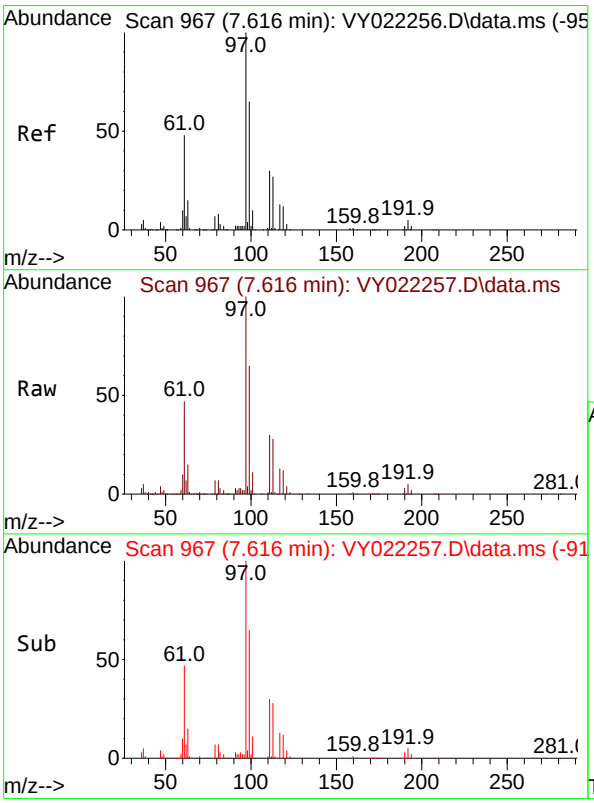
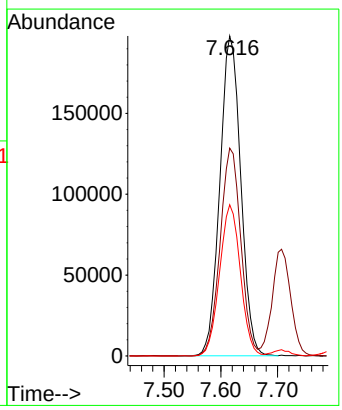
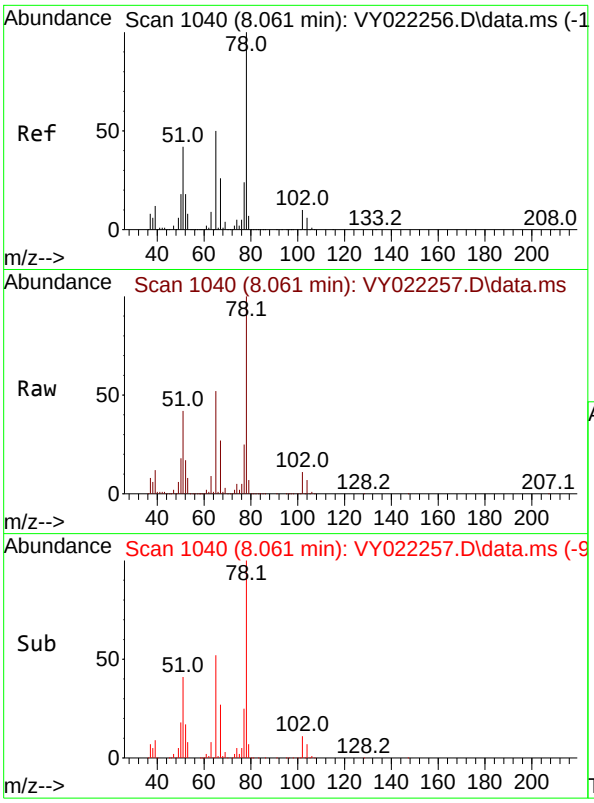


#32
1,1,1-Trichloroethane
Concen: 96.995 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 506927

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	47.1	38.1	57.1

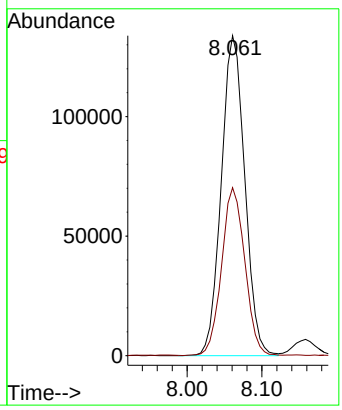




#33
1,2-Dichloroethane-d4
Concen: 99.729 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 65 Resp: 29253

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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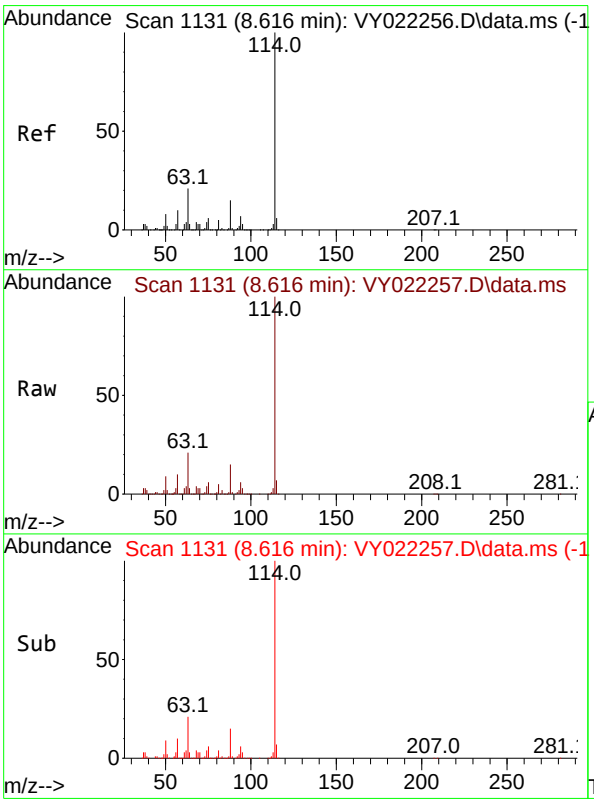
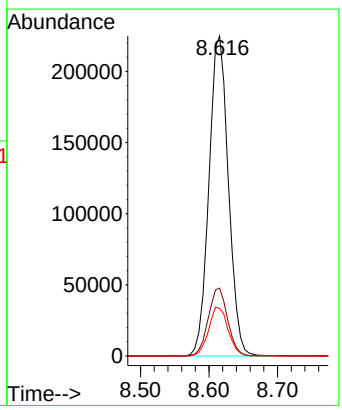
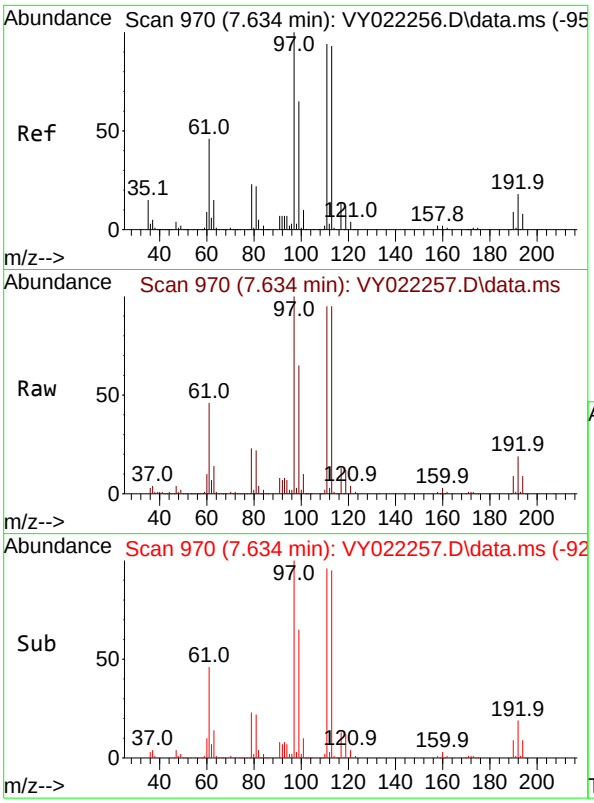


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:114 Resp: 443341

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	14.9	0.0	29.4

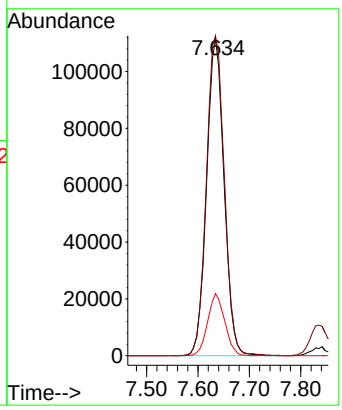




#35
Dibromofluoromethane
Concen: 99.389 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:113 Resp: 26299

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	19.2	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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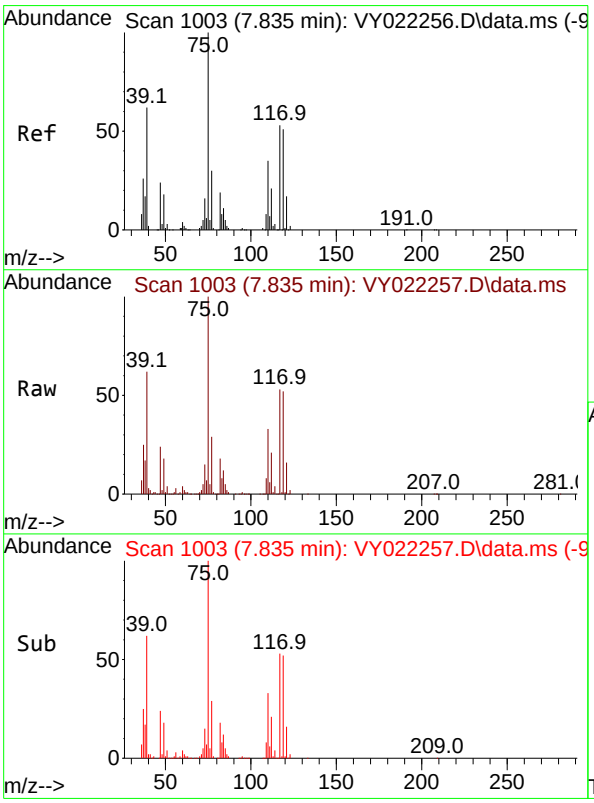
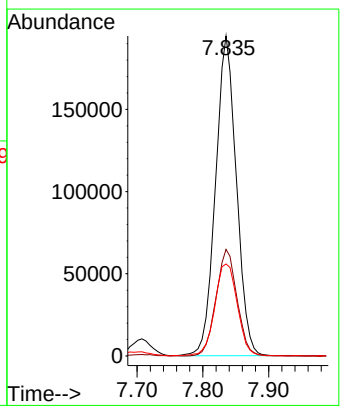
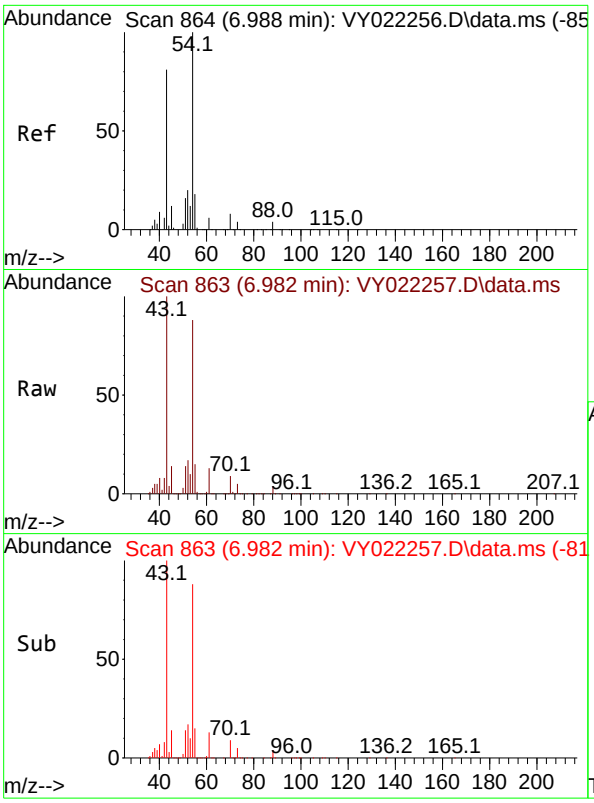


#36
1,1-Dichloropropene
Concen: 98.465 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 429153

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	31.2	24.6	37.0

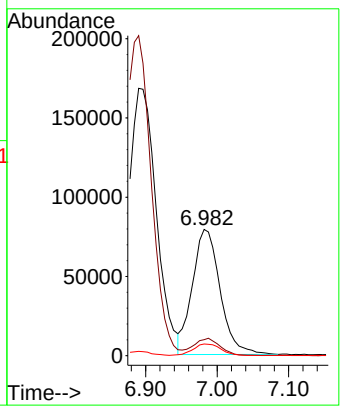




#37
Ethyl Acetate
Concen: 101.642 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 21315

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.1	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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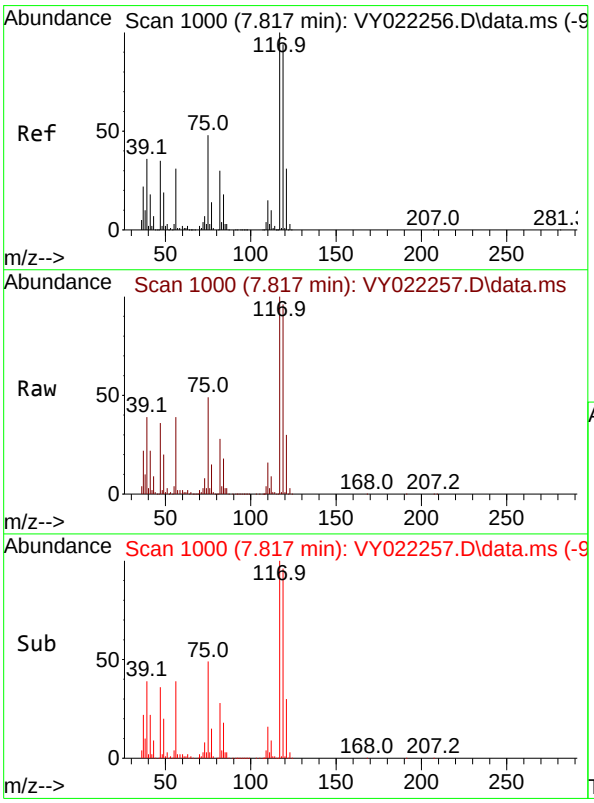
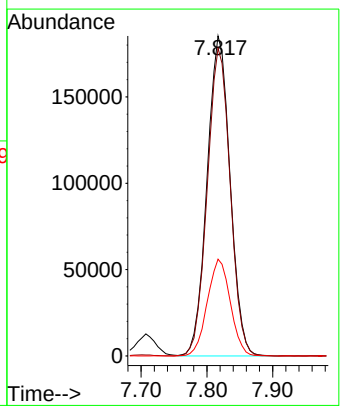
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

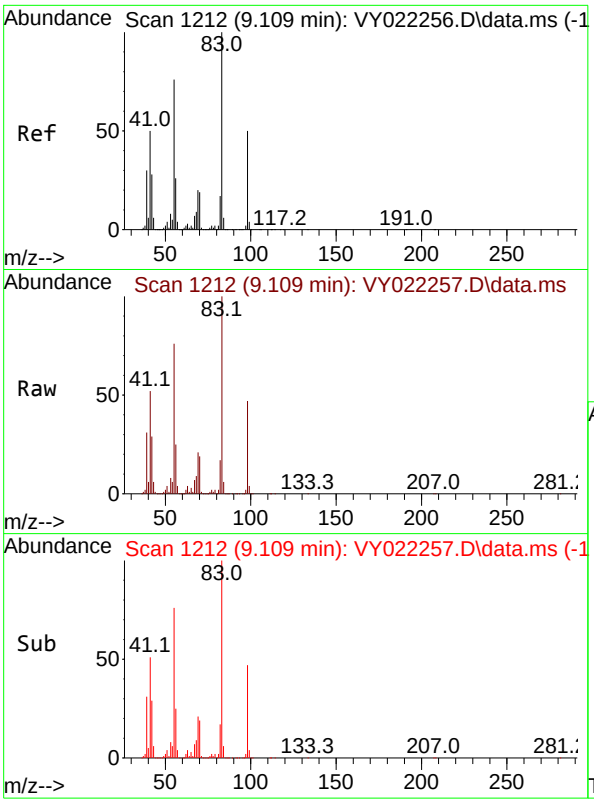


#38
Carbon Tetrachloride
Concen: 100.097 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 451589

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.3	112.9
121	30.3	24.7	37.1

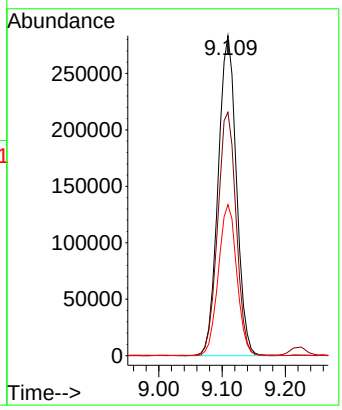




#39
Methylcyclohexane
Concen: 96.704 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 56625

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.6	90.8
98	47.2	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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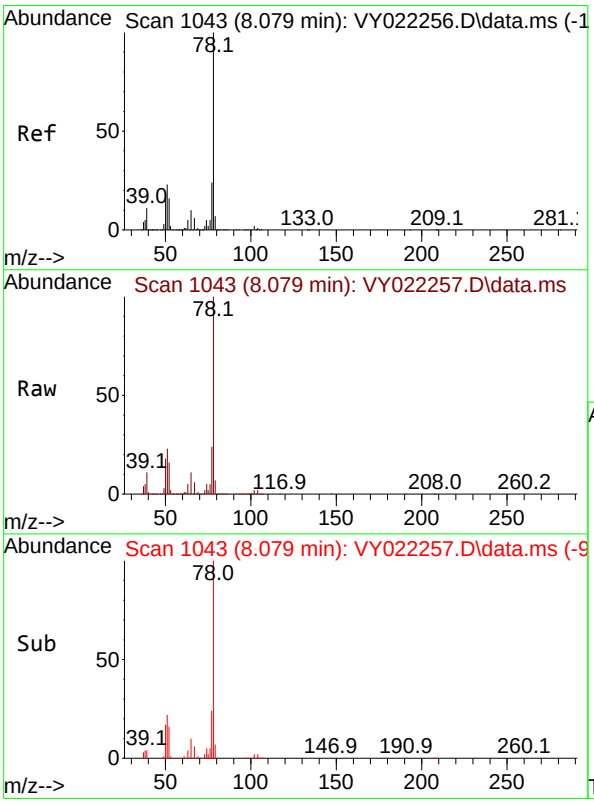
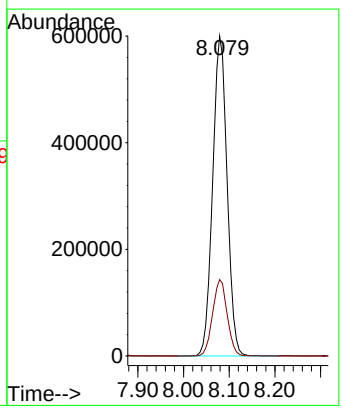
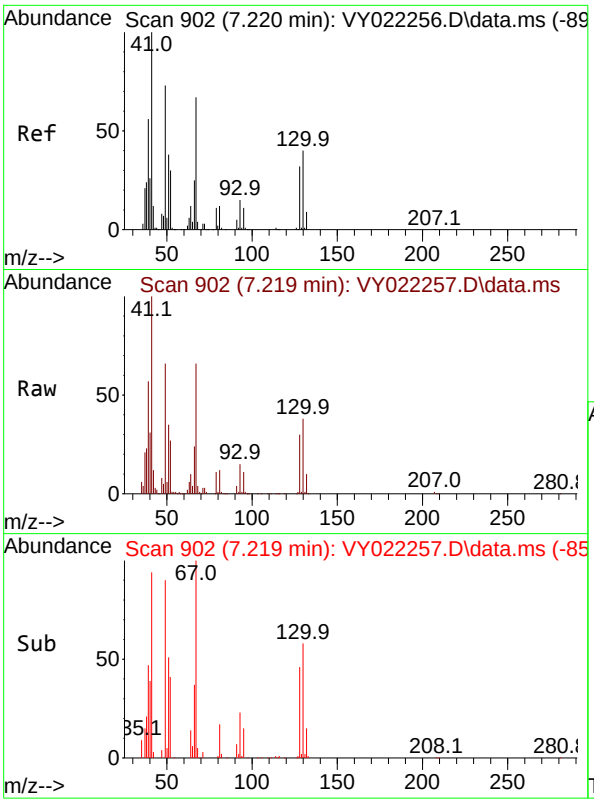


#40
Benzene
Concen: 101.677 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 78 Resp: 1313733

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3

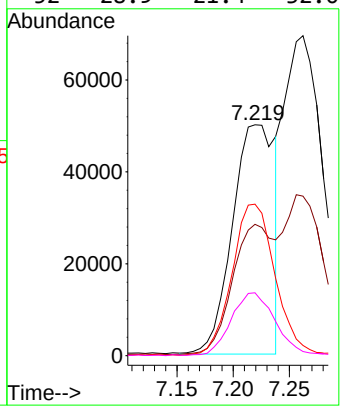




#41
Methacrylonitrile
Concen: 85.474 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 13115

Ion	Ratio	Lower	Upper
41	100		
39	55.7	39.1	58.7
67	67.2	47.1	70.7
52	28.9	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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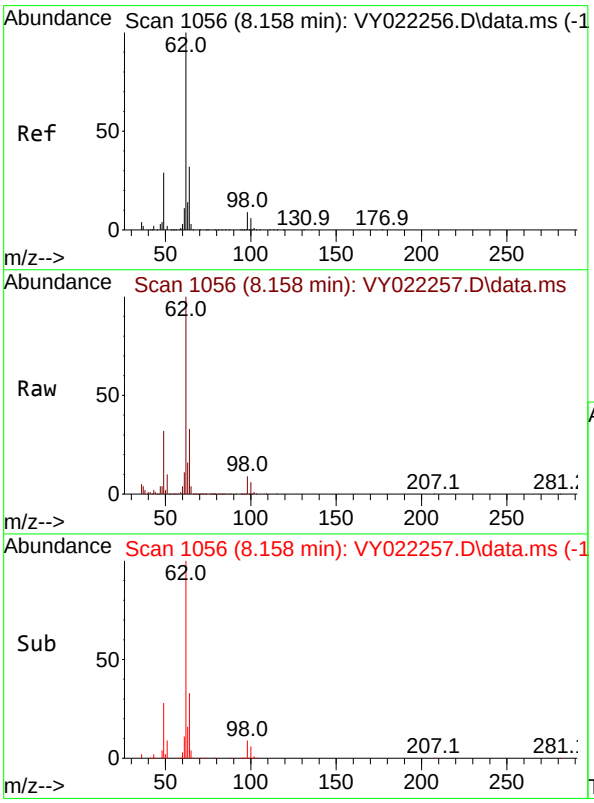
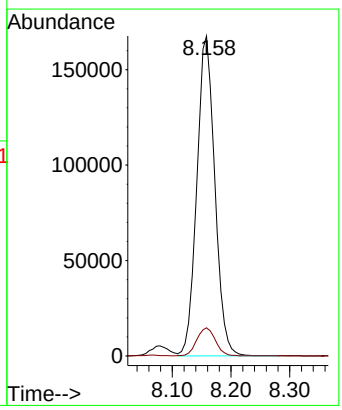
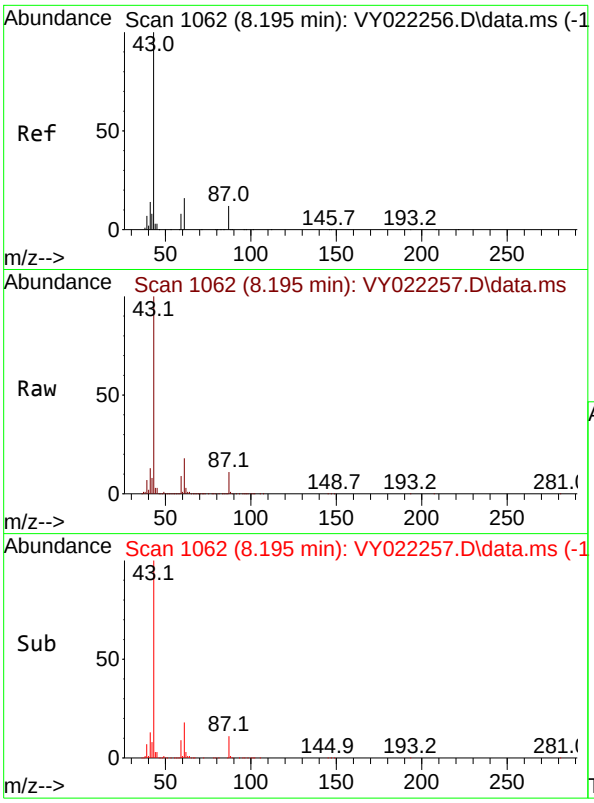


#42
1,2-Dichloroethane
Concen: 102.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 356974

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 103.517 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 47343

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	12.0	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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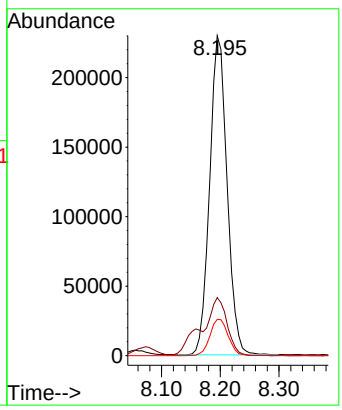
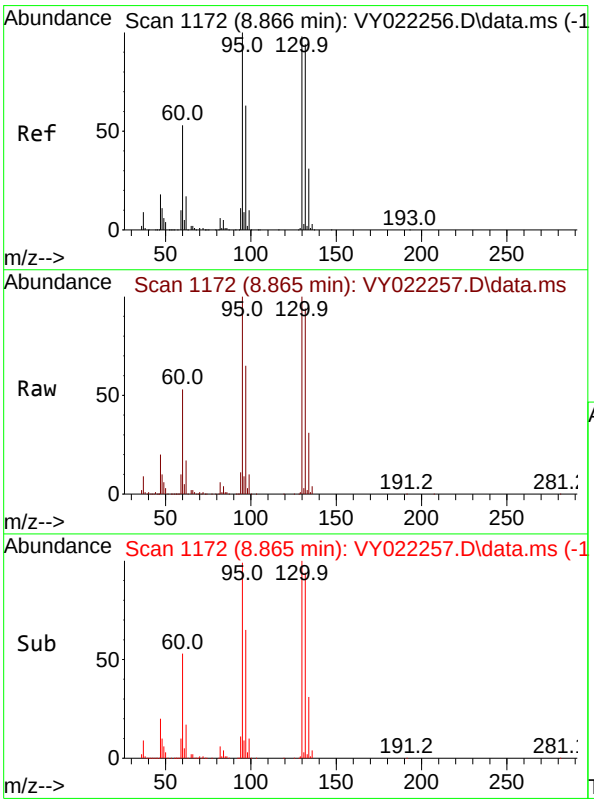
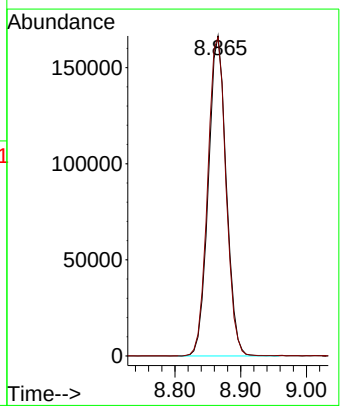


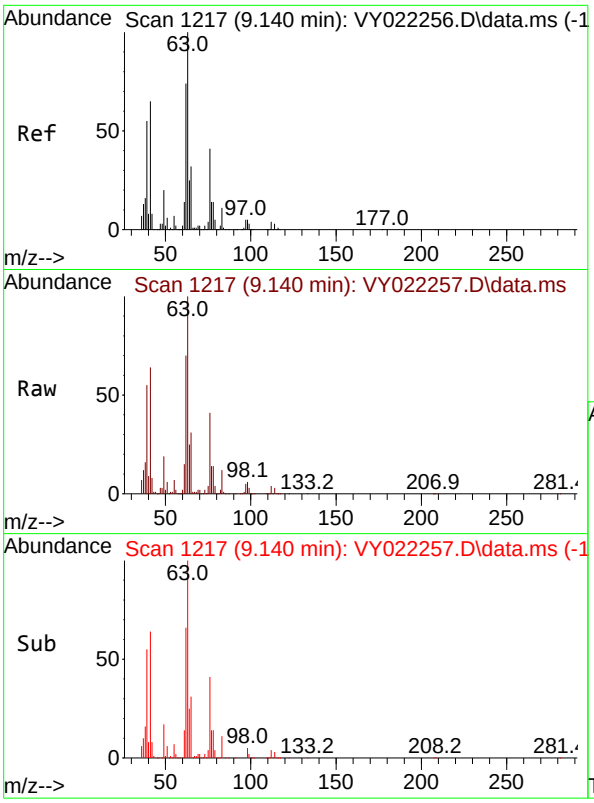


#44
Trichloroethene
Concen: 98.218 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:130 Resp: 315543

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	204.8

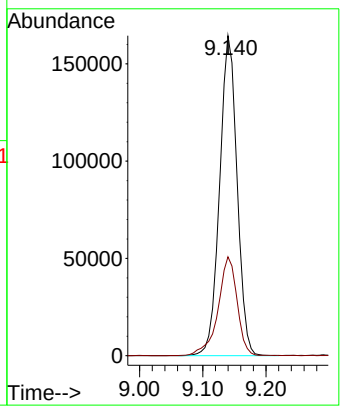




#45
1,2-Dichloropropane
Concen: 100.858 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 31417

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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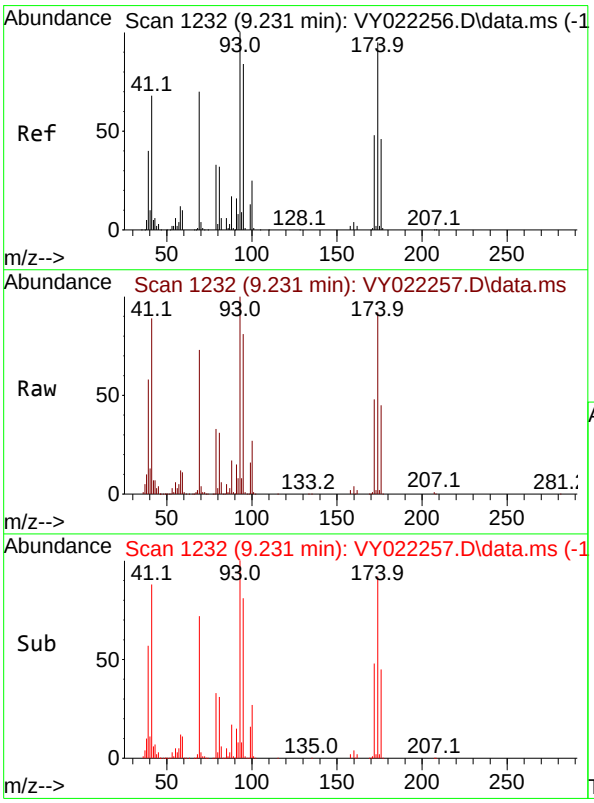
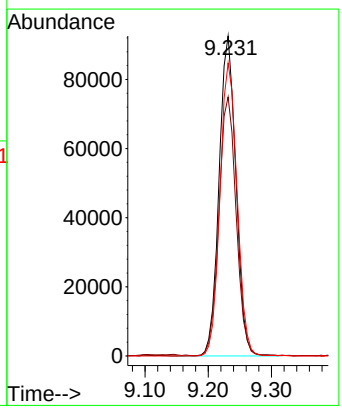
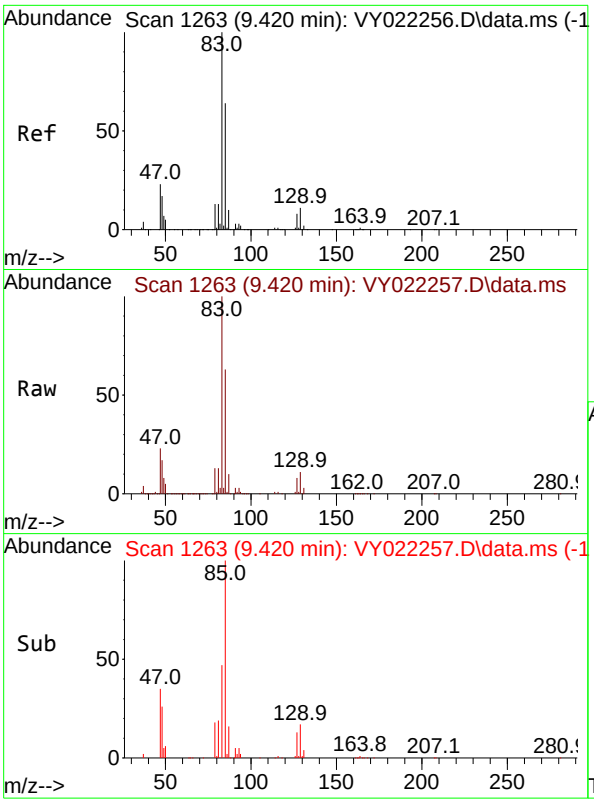


#46
Dibromomethane
Concen: 101.606 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 93 Resp: 170712

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.2	97.8
174	92.9	74.3	111.5

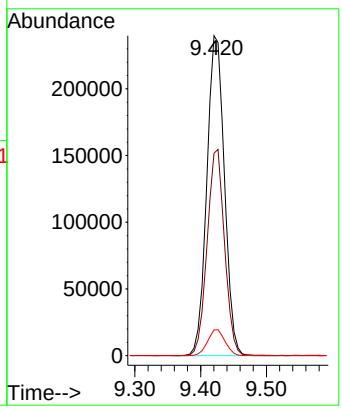




#47
Bromodichloromethane
Concen: 102.514 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 44682

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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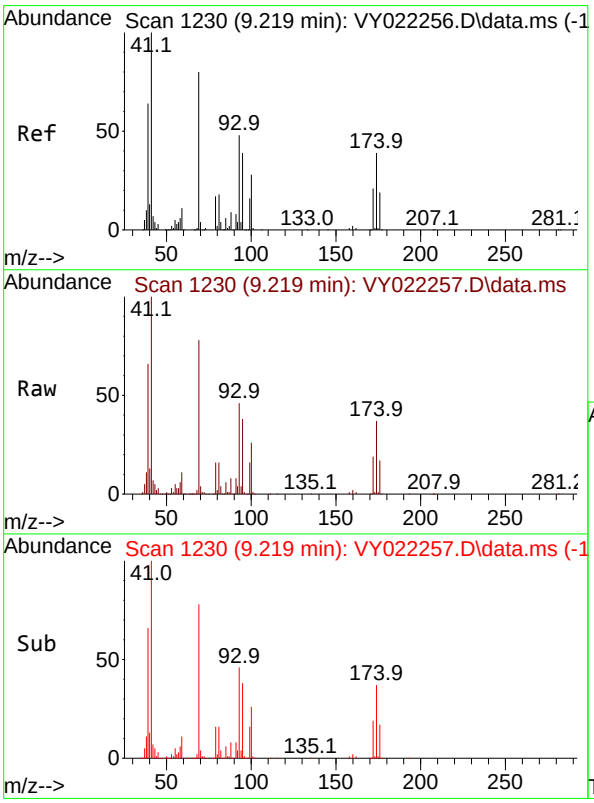
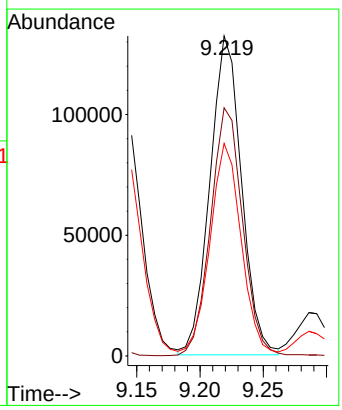
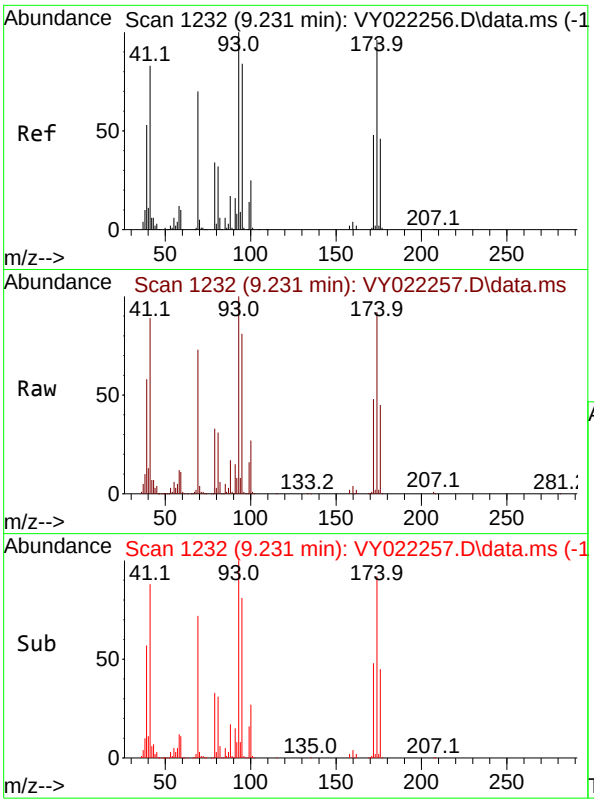


#48
Methyl methacrylate
Concen: 107.308 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 229512

Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.5	95.3
39	63.5	50.8	76.2

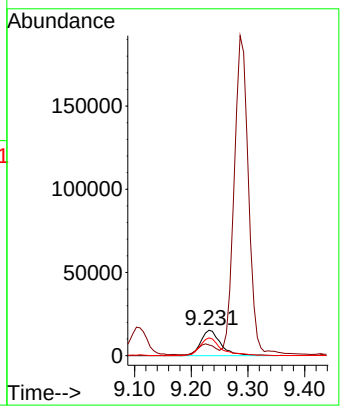




#49
1,4-Dioxane
Concen: 1990.455 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 88 Resp: 3778

Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.5	42.7
58	75.0	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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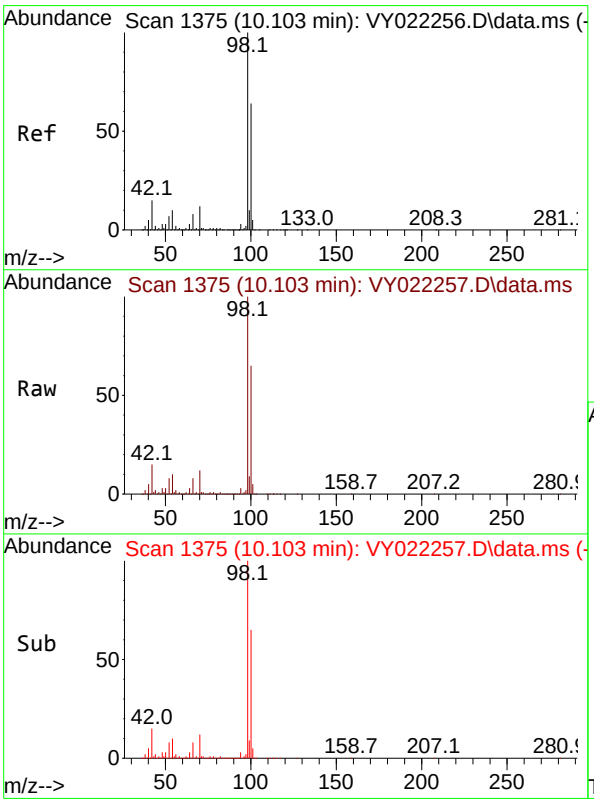
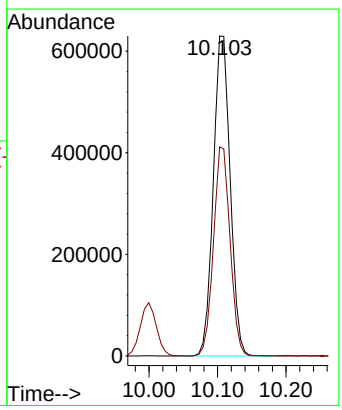
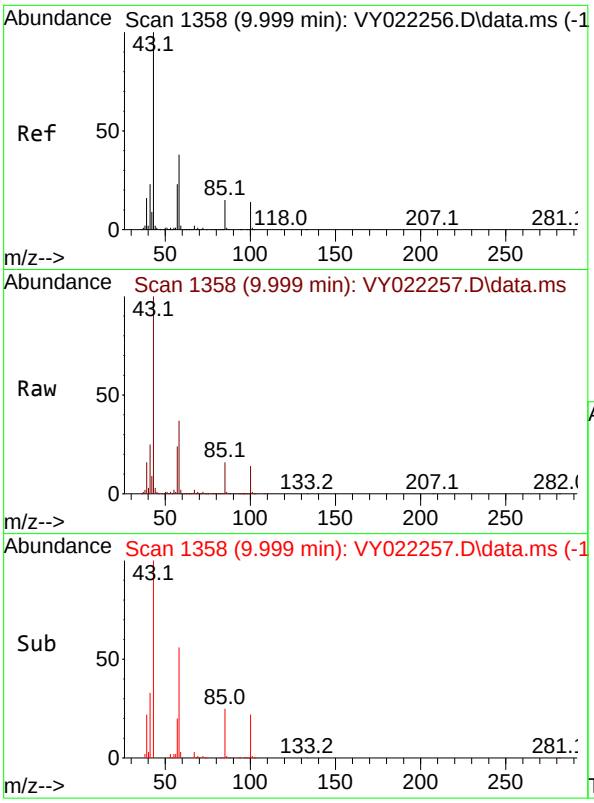


#50
Toluene-d8
Concen: 99.289 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 98 Resp: 1076035

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8

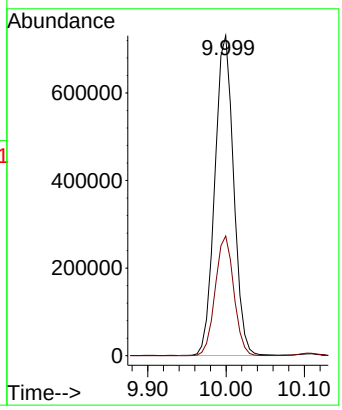




#51
4-Methyl-2-Pentanone
Concen: 543.068 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 121868

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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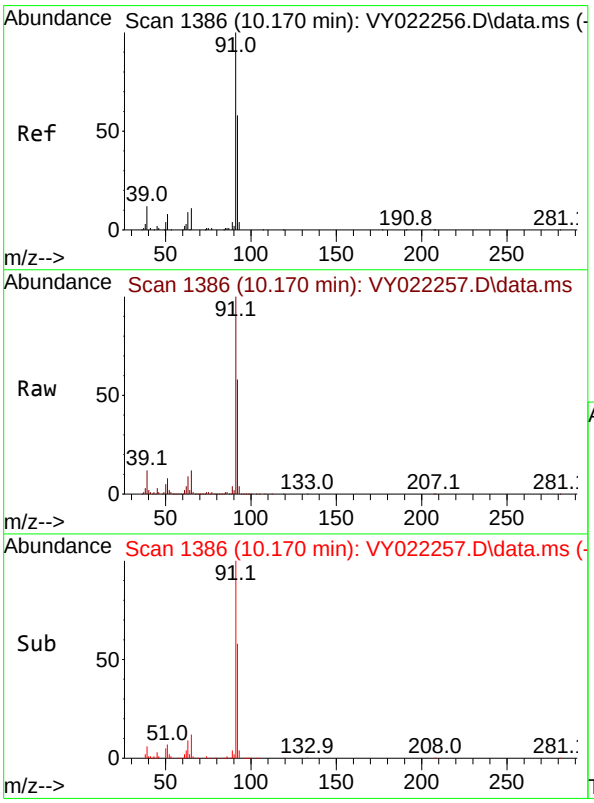
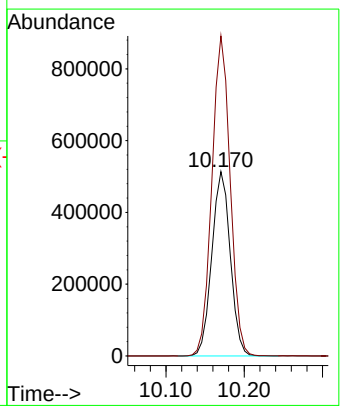
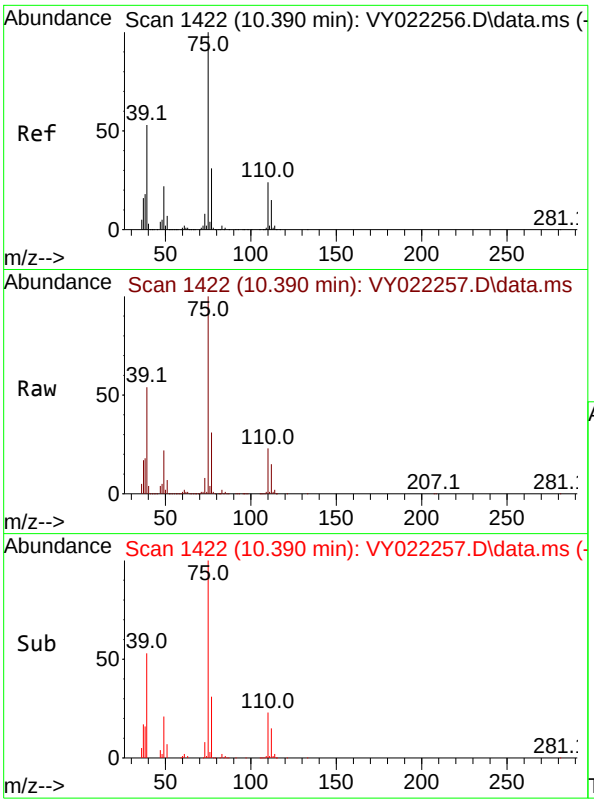


#52
Toluene
Concen: 102.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 92 Resp: 839400

Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.1	208.7

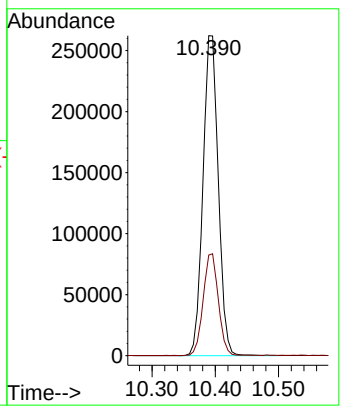




#53
t-1,3-Dichloropropene
Concen: 103.832 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 44167

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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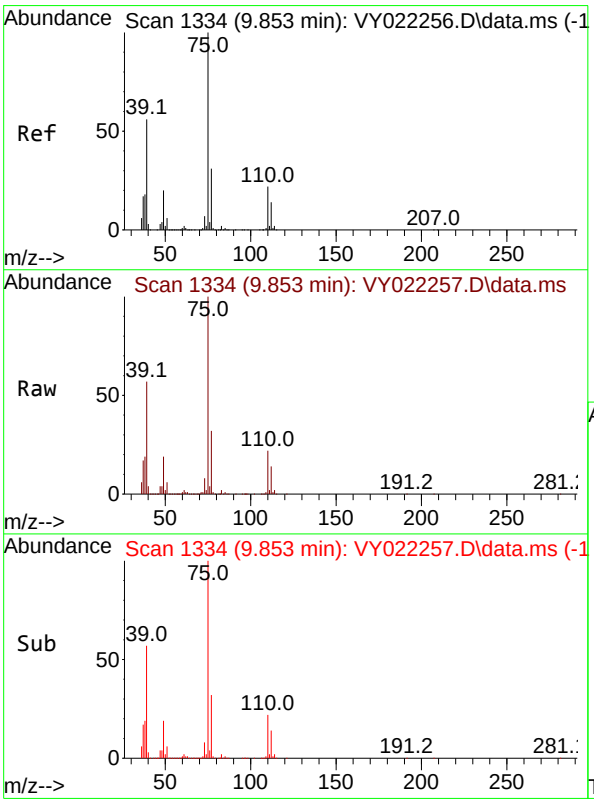
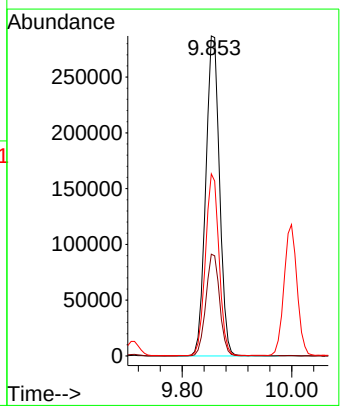
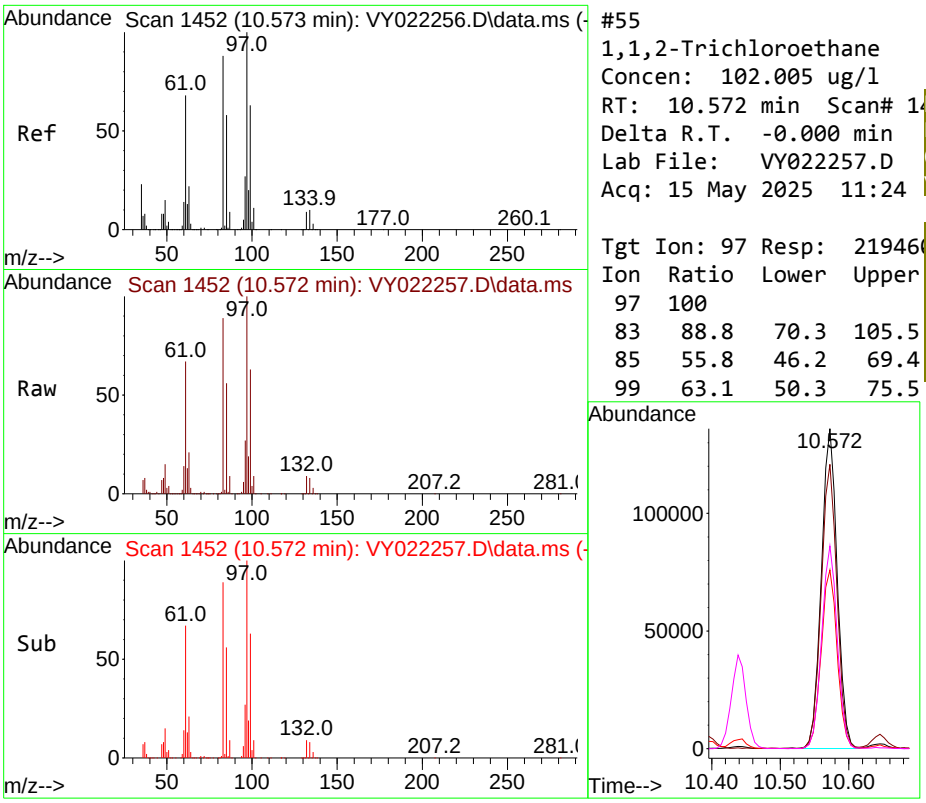


#54
cis-1,3-Dichloropropene
Concen: 102.190 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 498023

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.8	44.5	66.7





#55
1,1,2-Trichloroethane
Concen: 102.005 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 21946

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.3	105.5
85	55.8	46.2	69.4
99	63.1	50.3	75.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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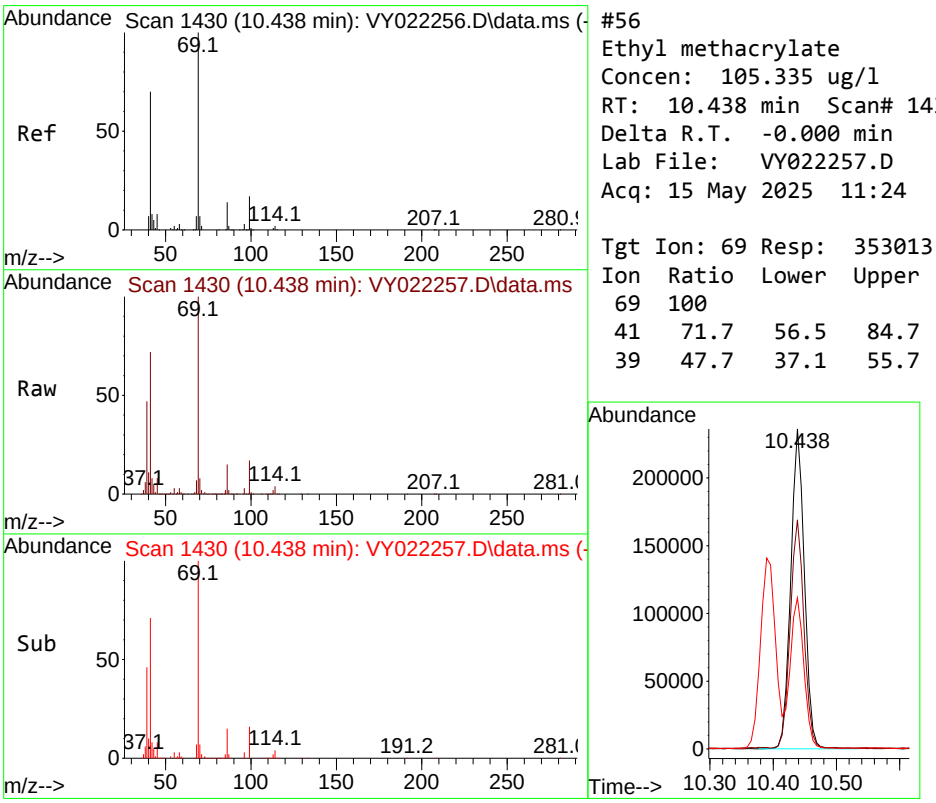
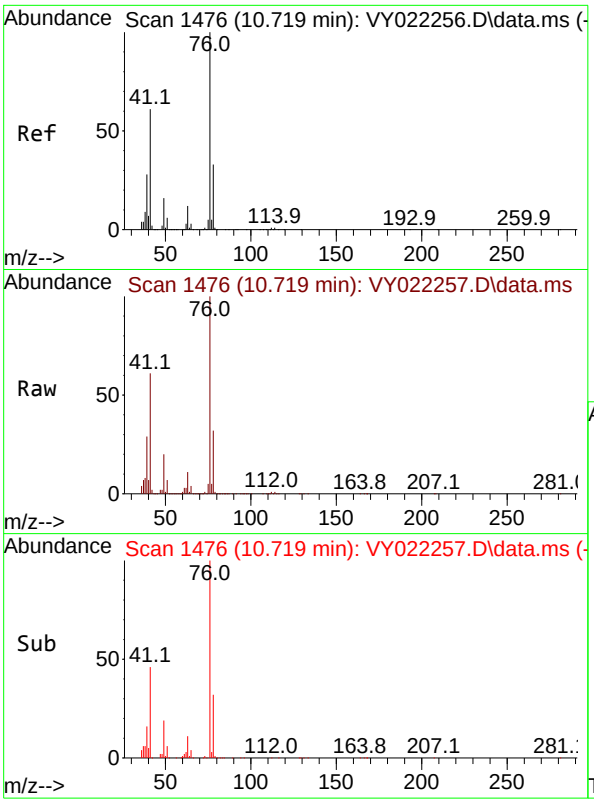
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#56
Ethyl methacrylate
Concen: 105.335 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 69 Resp: 353013

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.5	84.7
39	47.7	37.1	55.7



#57
1,3-Dichloropropane
Concen: 102.420 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 76 Resp: 39151

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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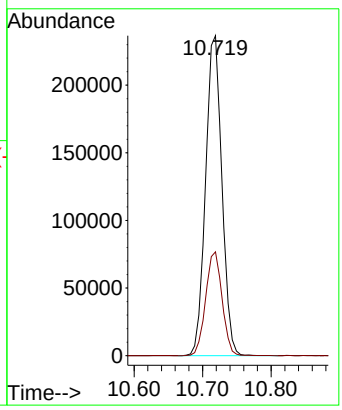
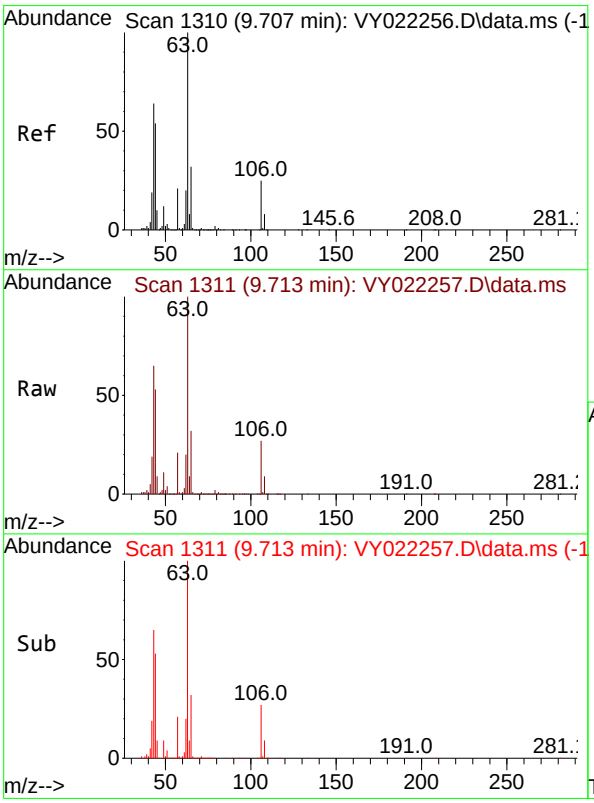
Supervised By :Semsettin Yesilyurt 05/16/2025

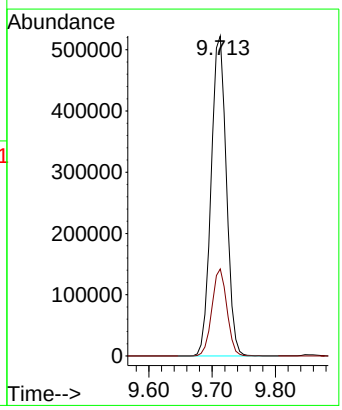


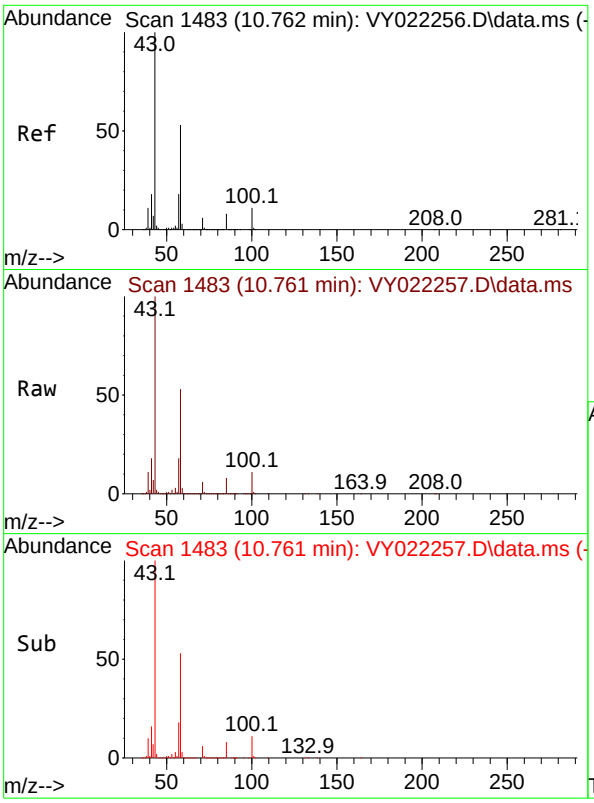


#58
2-Chloroethyl Vinyl ether
Concen: 580.295 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 872907

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.4





#59
2-Hexanone
Concen: 537.872 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 80928

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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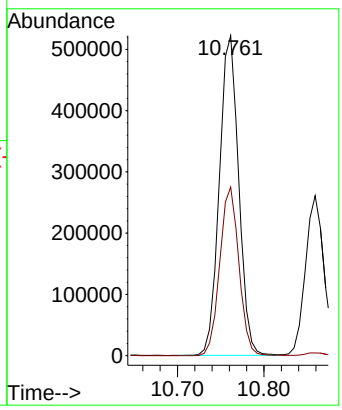
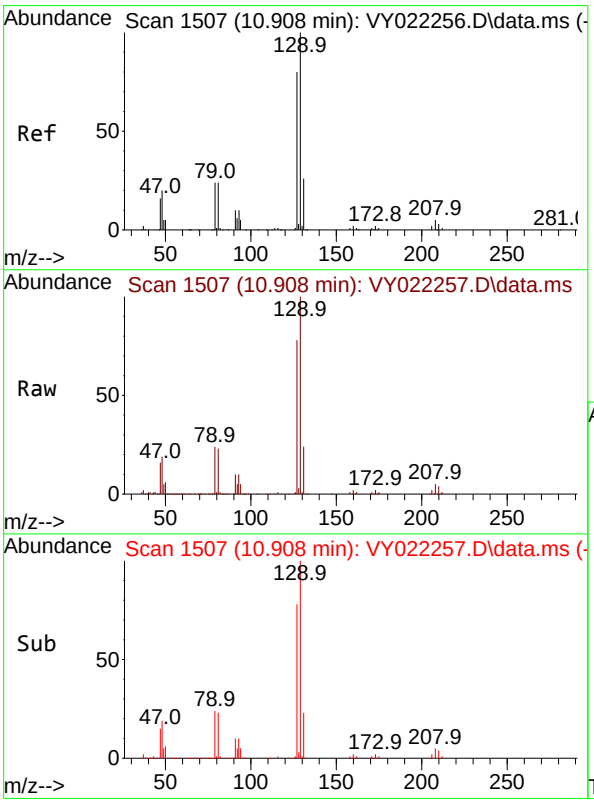
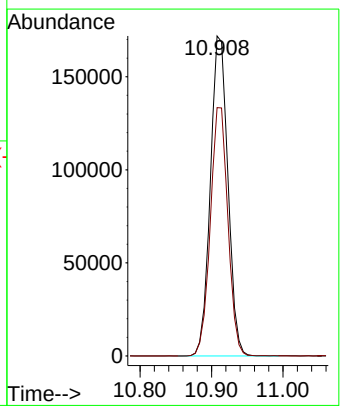


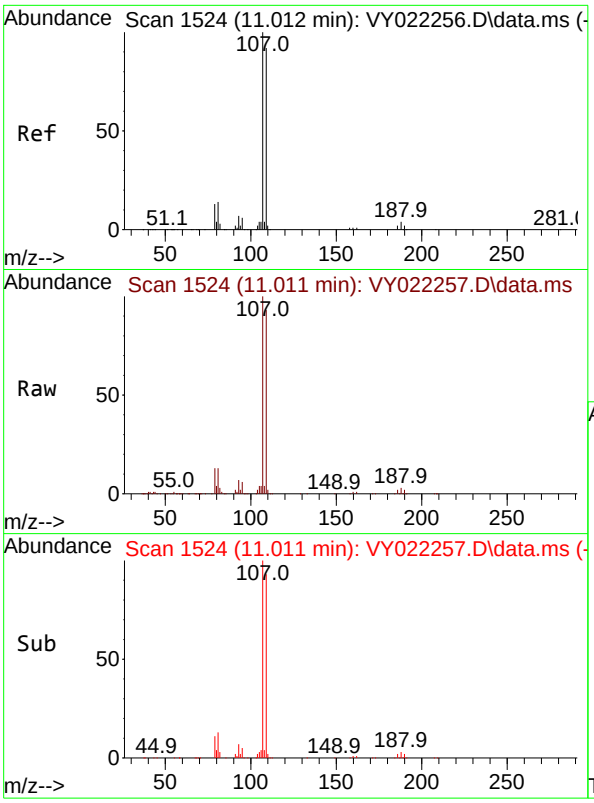


#60
Dibromochloromethane
Concen: 104.616 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:129 Resp: 292143

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7

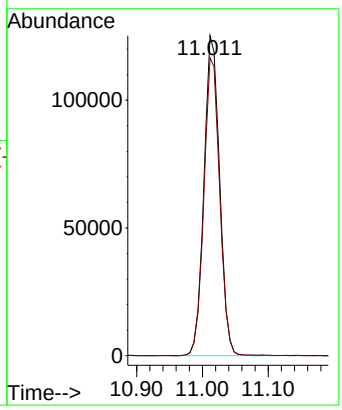




#61
1,2-Dibromoethane
Concen: 103.362 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:107 Resp: 20726

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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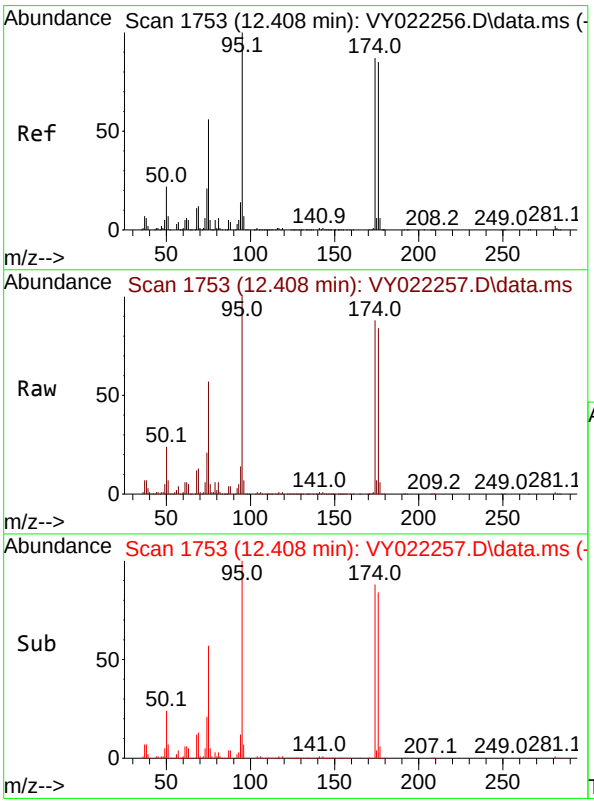
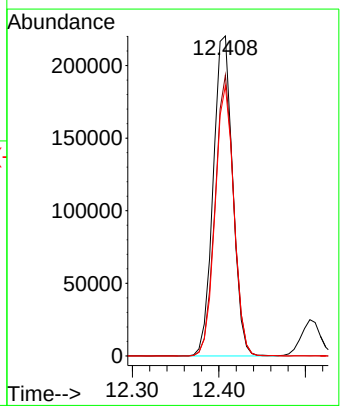
Supervised By :Semsettin Yesilyurt 05/16/2025

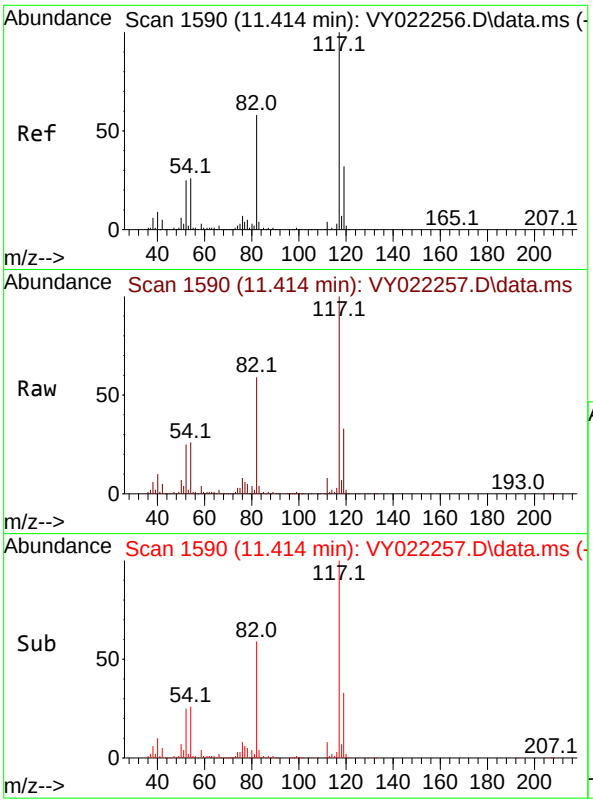


#62
4-Bromofluorobenzene
Concen: 99.968 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 95 Resp: 343397

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	166.8
176	81.7	0.0	160.8

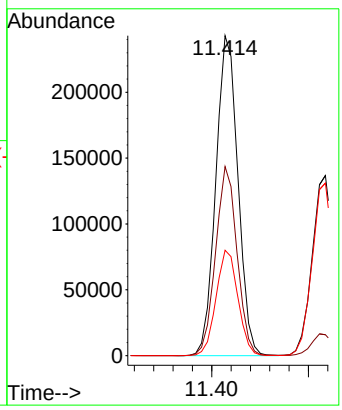




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 38534

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.6	70.0
119	33.0	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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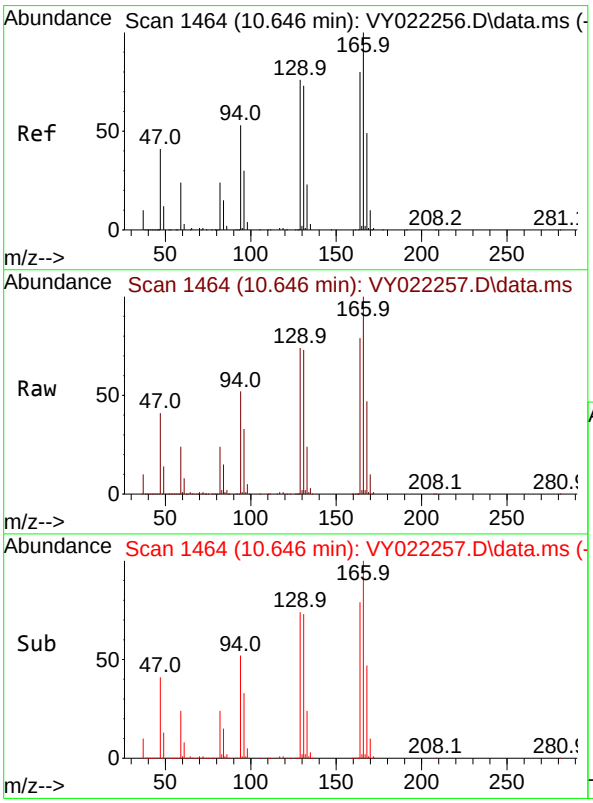
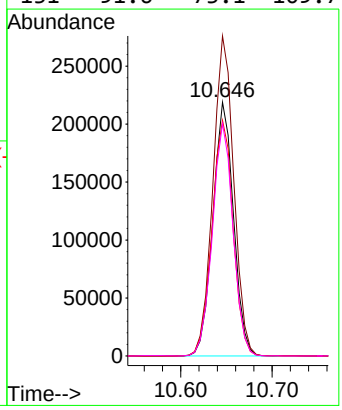
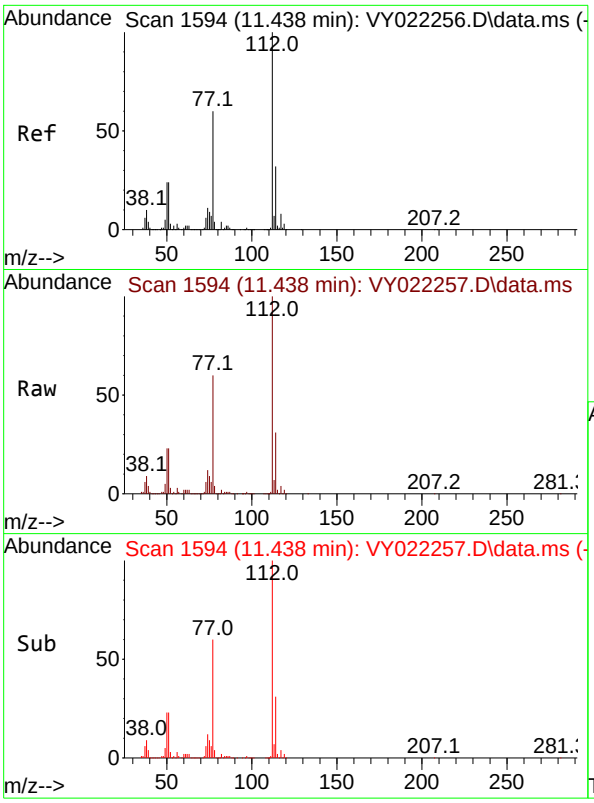


#64
Tetrachloroethene
Concen: 96.489 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:164 Resp: 343677

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	92.9	76.4	114.6
131	91.6	73.1	109.7

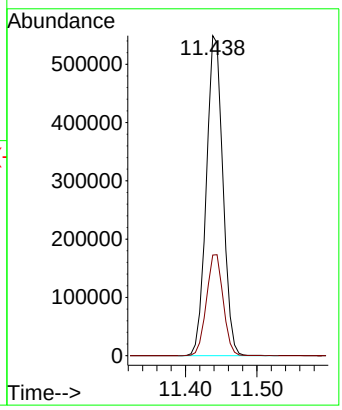




#65
Chlorobenzene
Concen: 101.346 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:112 Resp: 88108

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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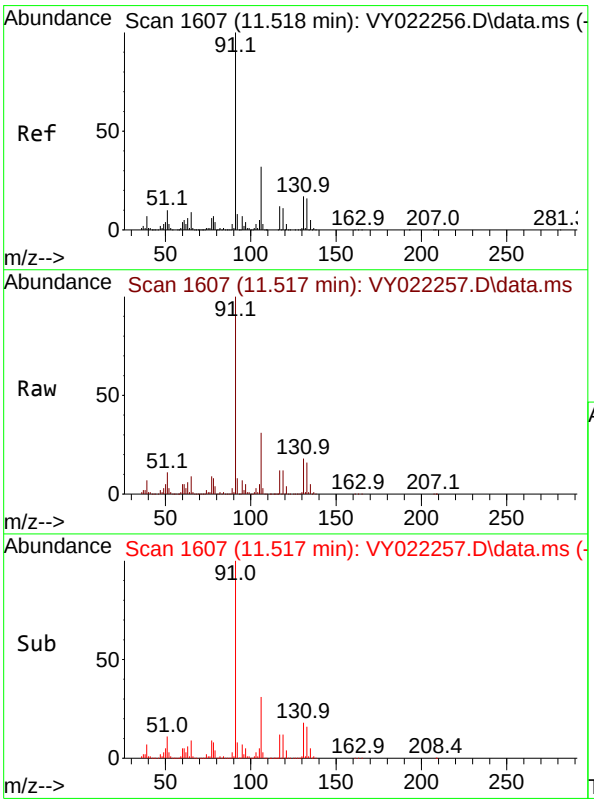
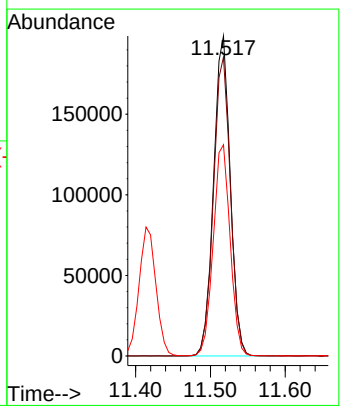
Supervised By :Semsettin Yesilyurt 05/16/2025

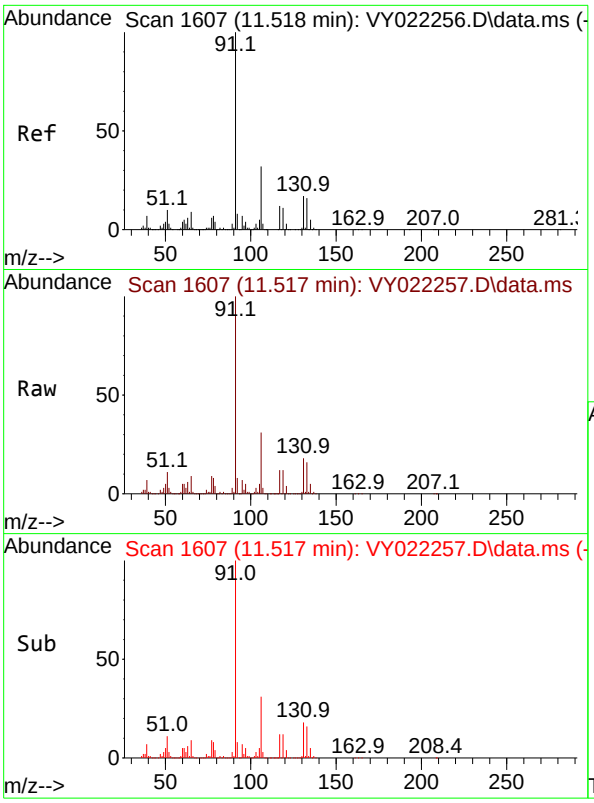


#66
1,1,1,2-Tetrachloroethane
Concen: 103.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:131 Resp: 307866

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	67.2	33.1	99.2

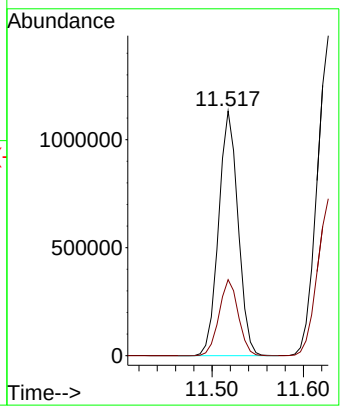




#67
Ethyl Benzene
Concen: 102.836 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 167435

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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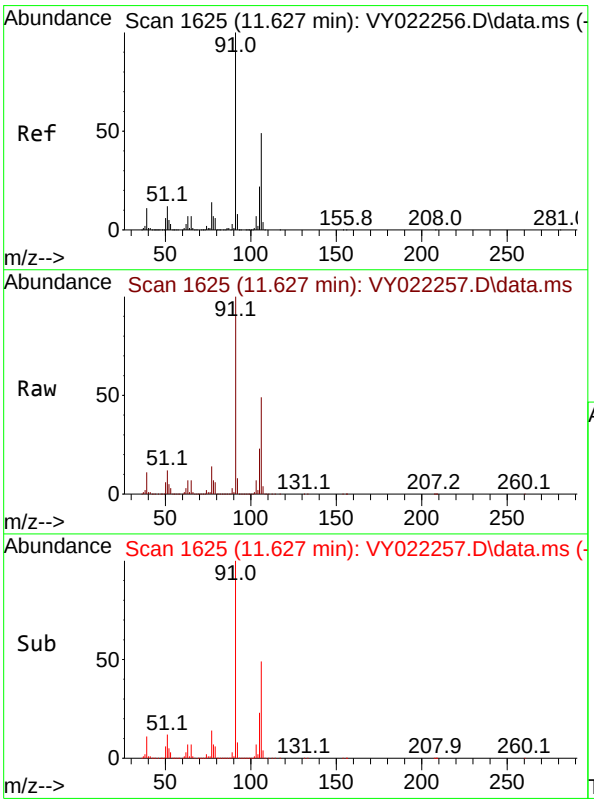
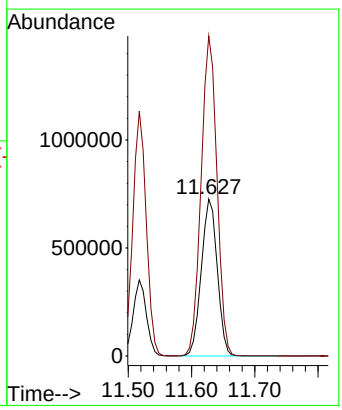
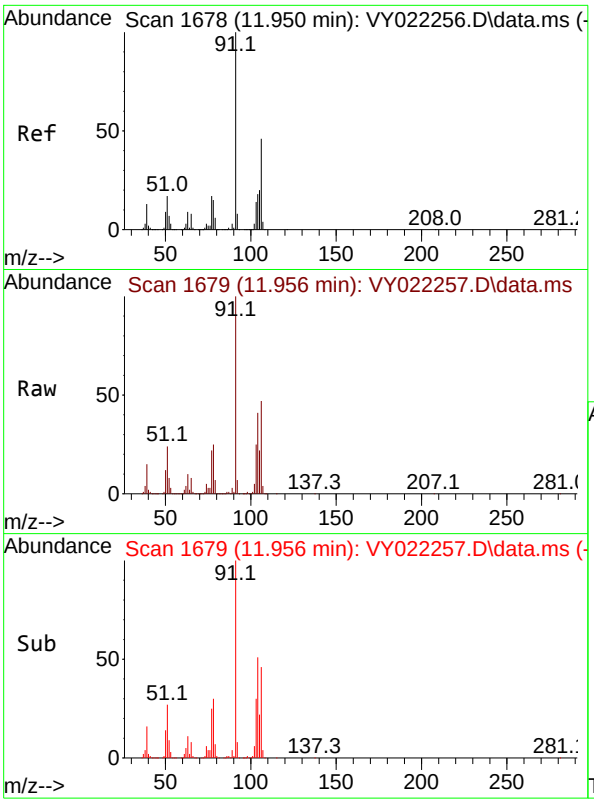


#68
m/p-Xylenes
Concen: 207.213 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:106 Resp: 1271299

Ion	Ratio	Lower	Upper
106	100		
91	203.2	163.0	244.4





#69
o-Xylene
Concen: 103.777 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:106 Resp: 60239(

Ion	Ratio	Lower	Upper
106	100		
91	214.7	108.3	324.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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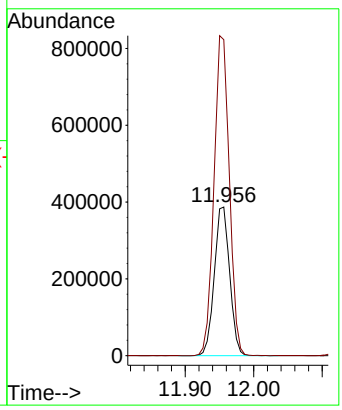
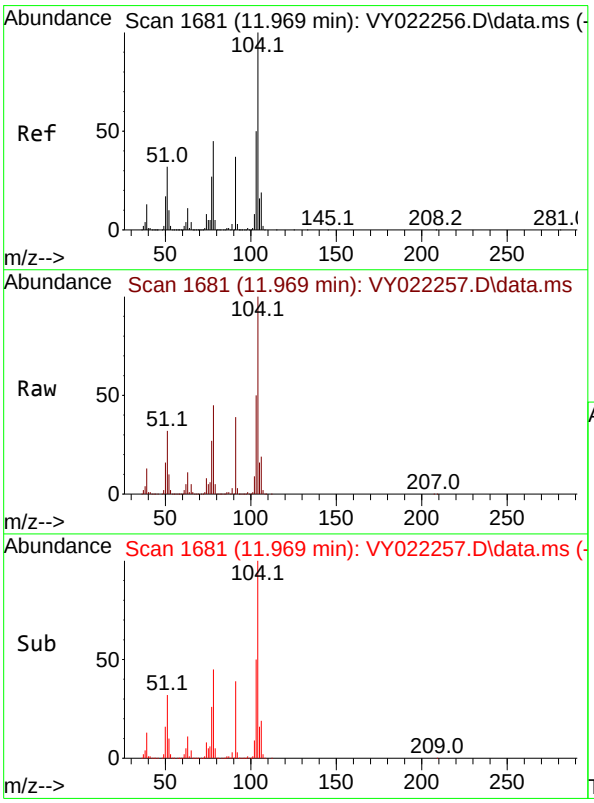
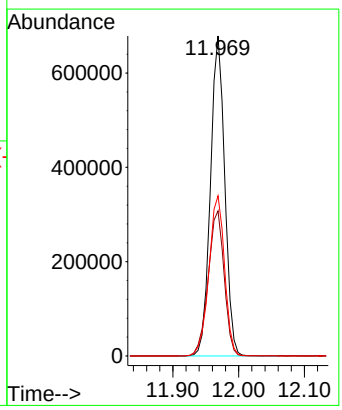


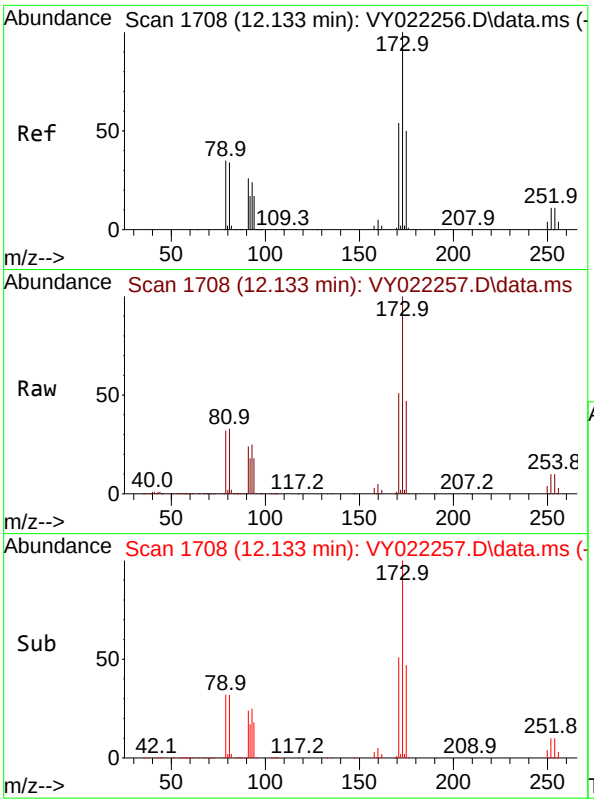


#70
Styrene
Concen: 105.038 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:104 Resp: 1028498

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.9	61.3
103	54.7	43.7	65.5

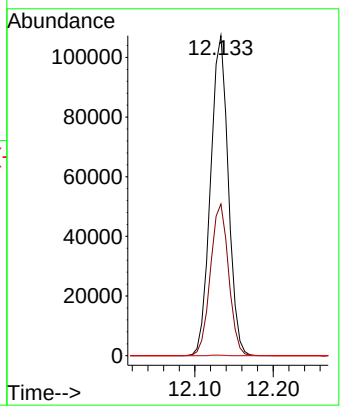




#71
Bromoform
Concen: 104.561 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:173 Resp: 16867

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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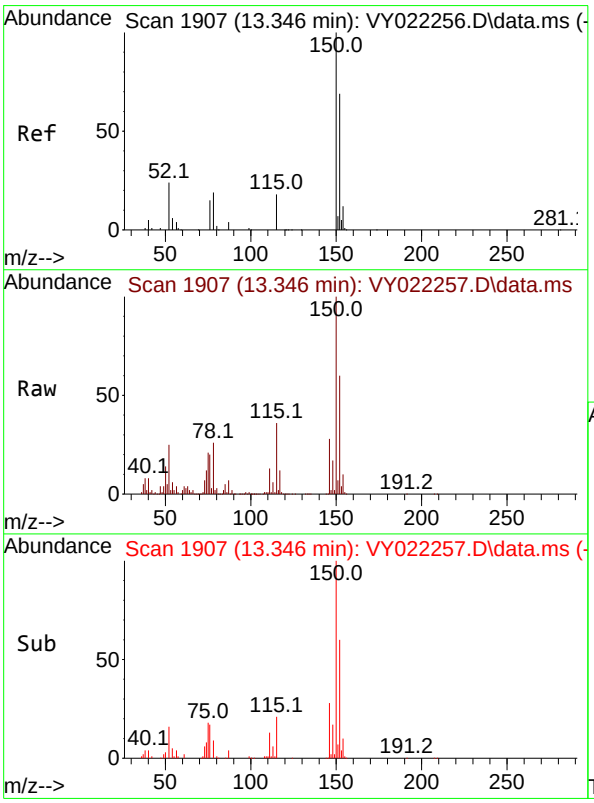
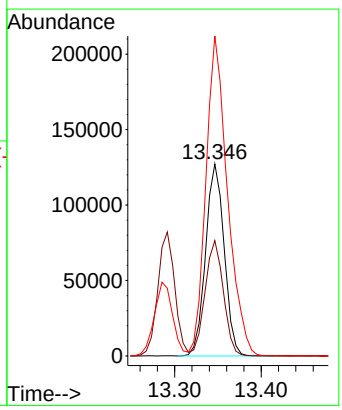
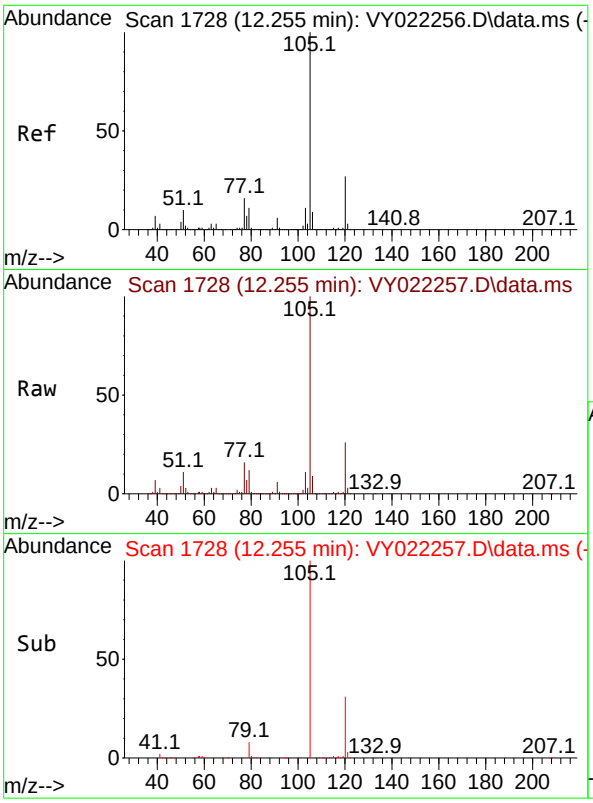


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:152 Resp: 189780

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	193.1	0.0	353.8

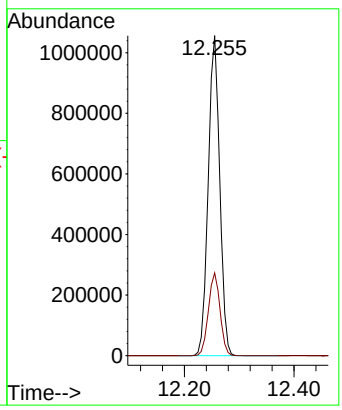




#73
Isopropylbenzene
Concen: 97.241 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 152885

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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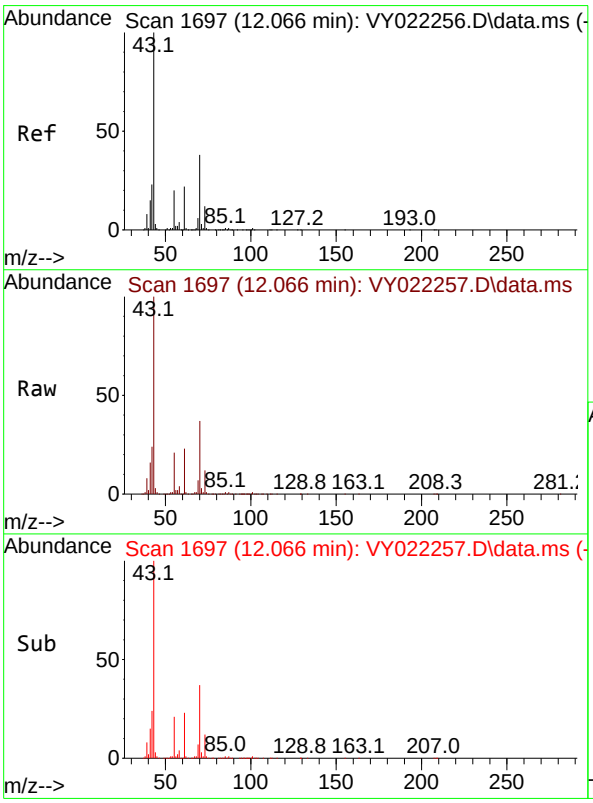
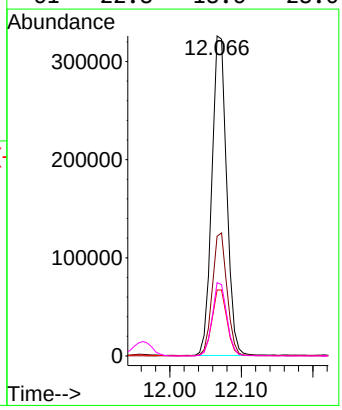
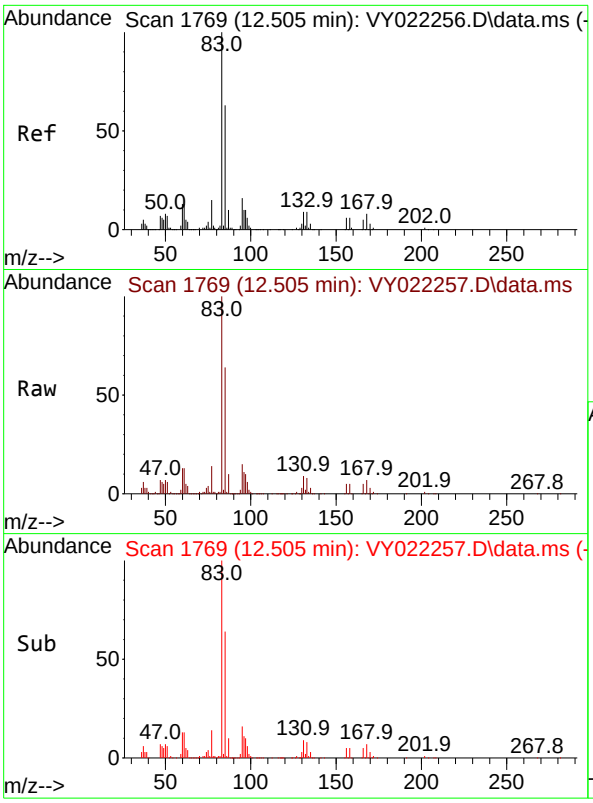


#74
N-amyl acetate
Concen: 104.235 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 468707

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.4	47.0
55	20.8	17.0	25.6
61	22.8	18.6	28.0

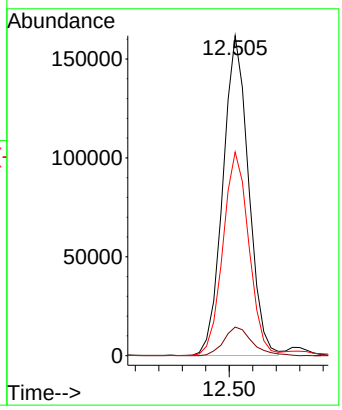




#75
1,1,2,2-Tetrachloroethane
Concen: 101.255 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 24483

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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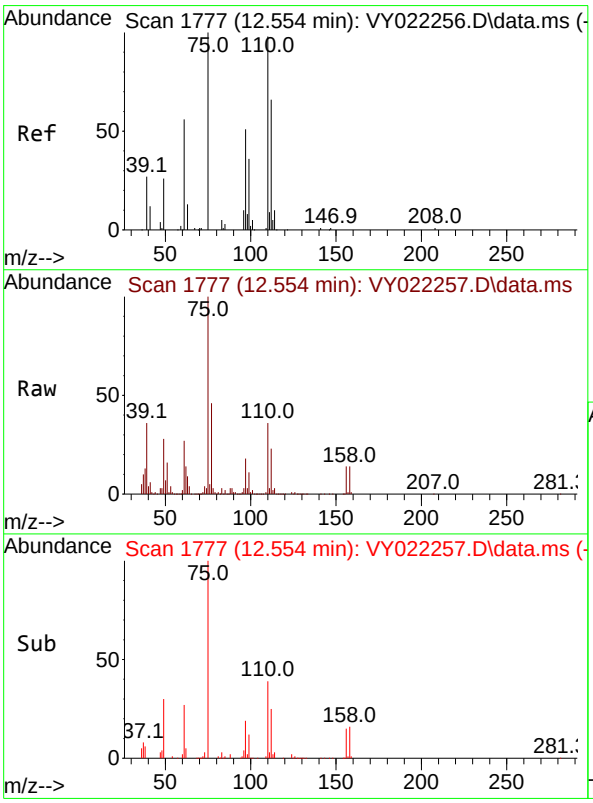
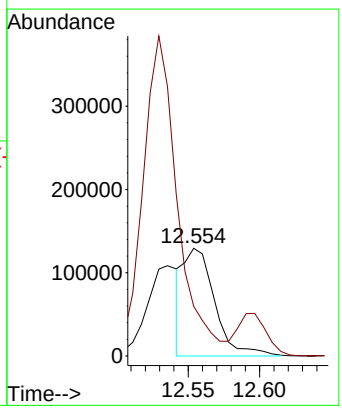
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

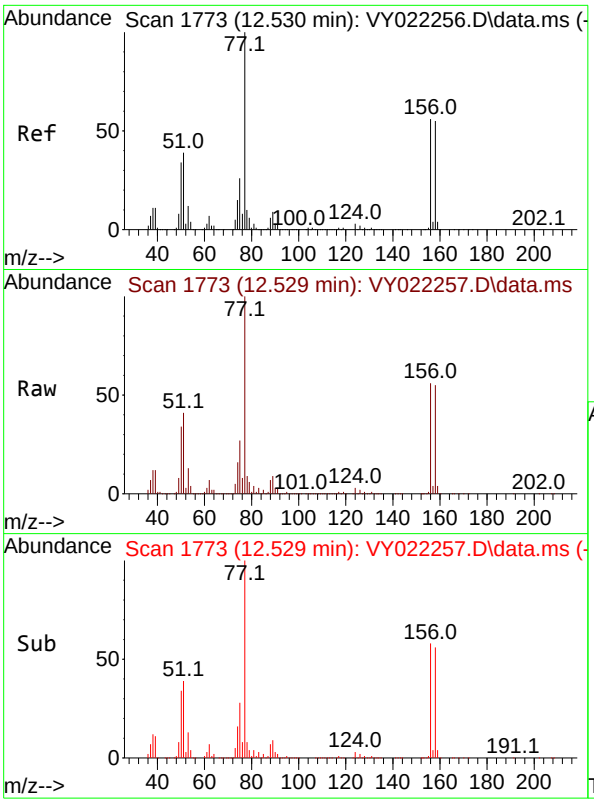


#76
1,2,3-Trichloropropane
Concen: 59.078 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 197600

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

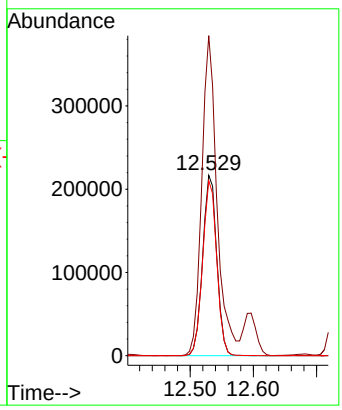




#77
Bromobenzene
Concen: 100.456 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:156 Resp: 33732

Ion	Ratio	Lower	Upper
156	100		
77	190.3	94.5	283.6
158	96.8	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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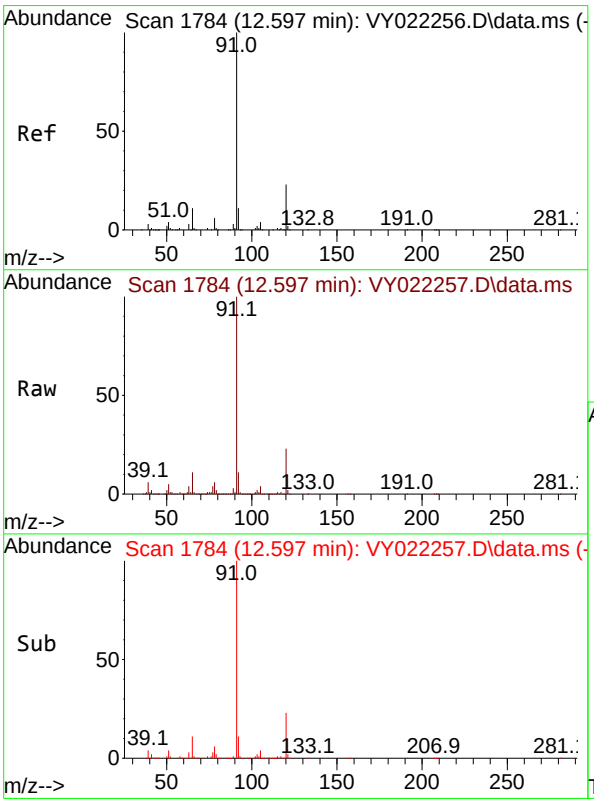
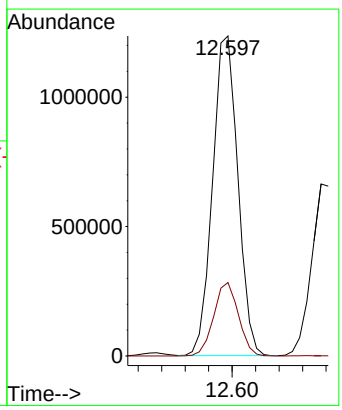
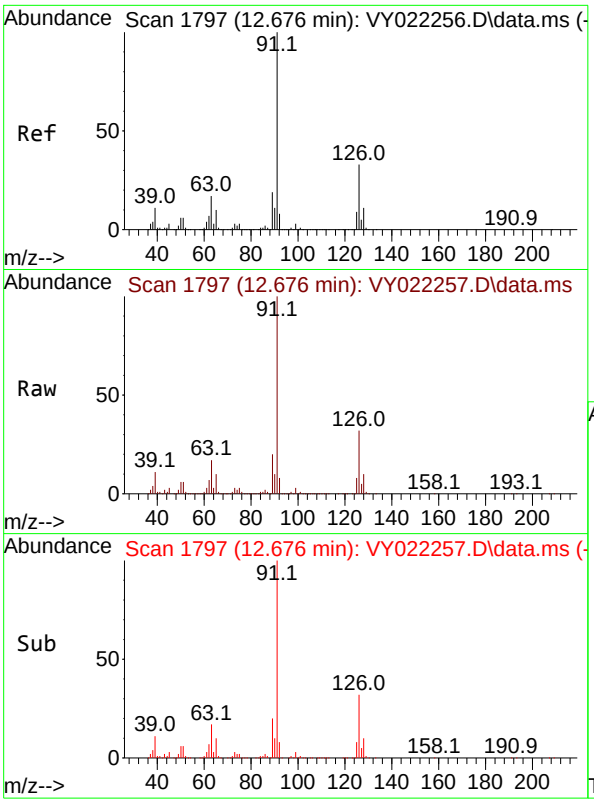


#78
n-propylbenzene
Concen: 97.365 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1846449

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3

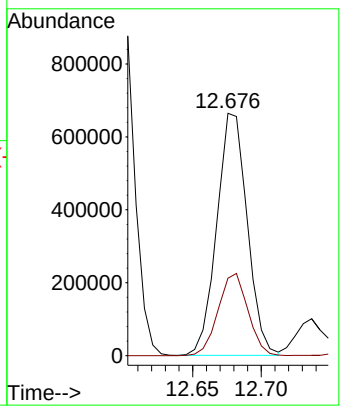




#79
2-Chlorotoluene
Concen: 98.488 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 102640

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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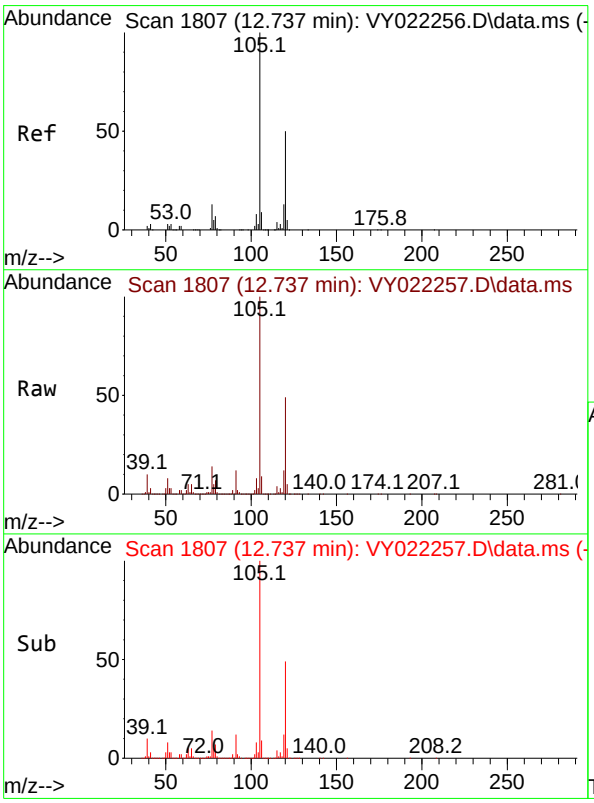
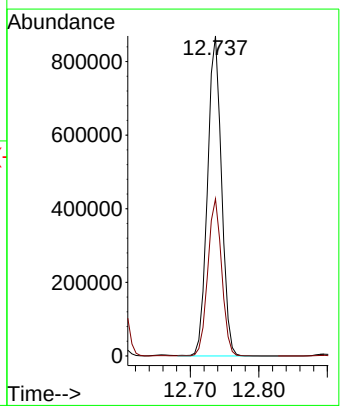
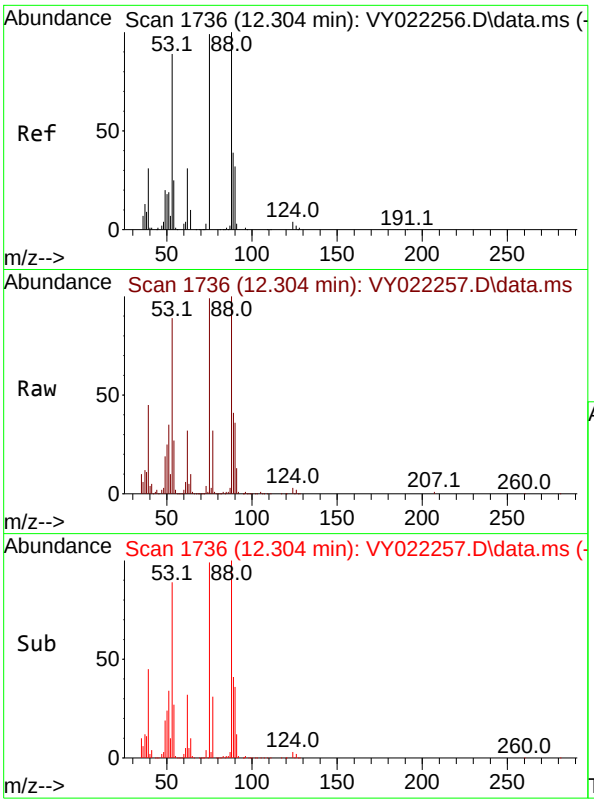


#80
1,3,5-Trimethylbenzene
Concen: 97.216 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1233838

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6

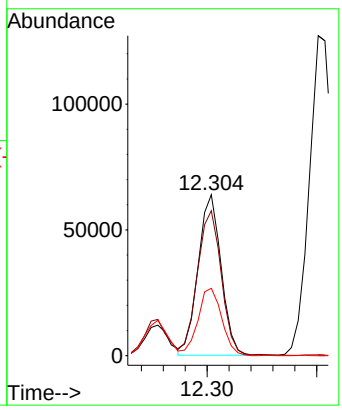




#81
trans-1,4-Dichloro-2-butene
Concen: 98.251 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 9325

Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.8	113.8
89	43.5	36.2	54.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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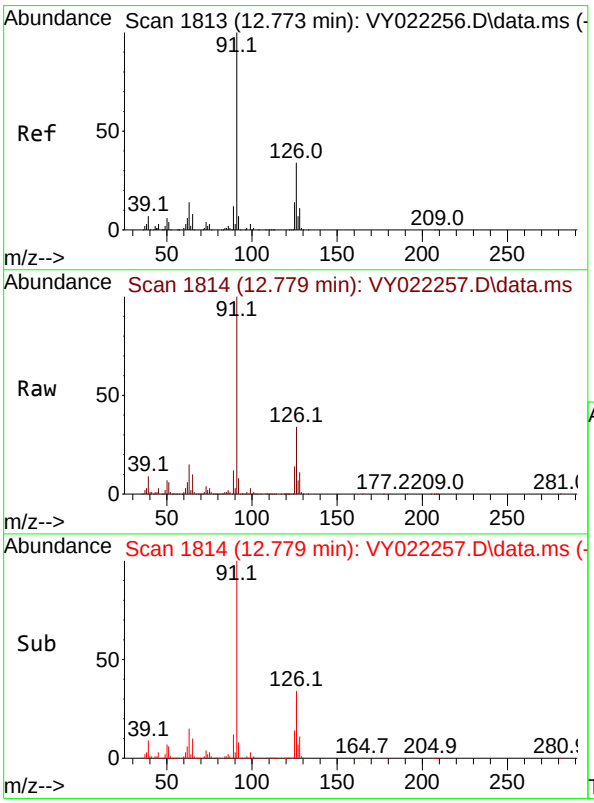
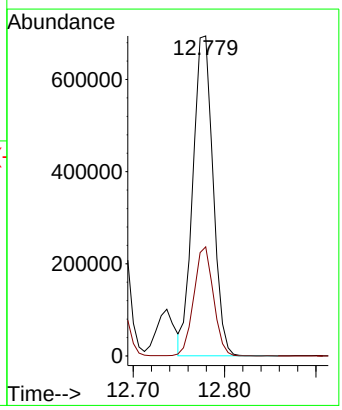
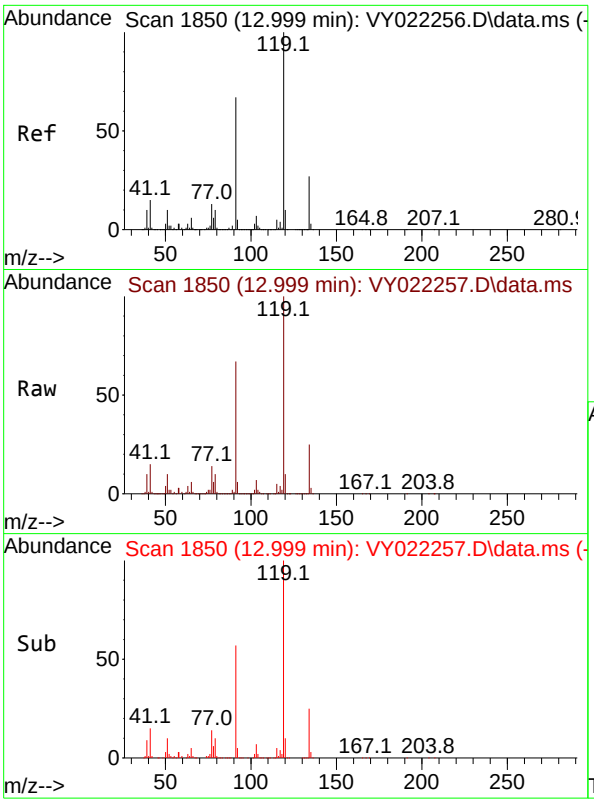


#82
4-Chlorotoluene
Concen: 99.052 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1061772

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

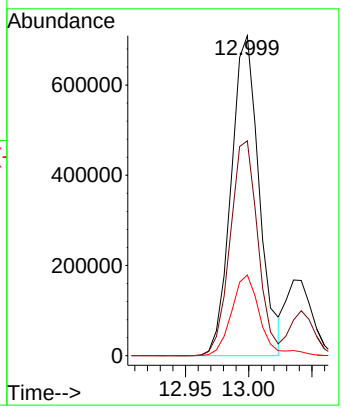




#83
tert-Butylbenzene
Concen: 96.859 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:119 Resp: 109261

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.8	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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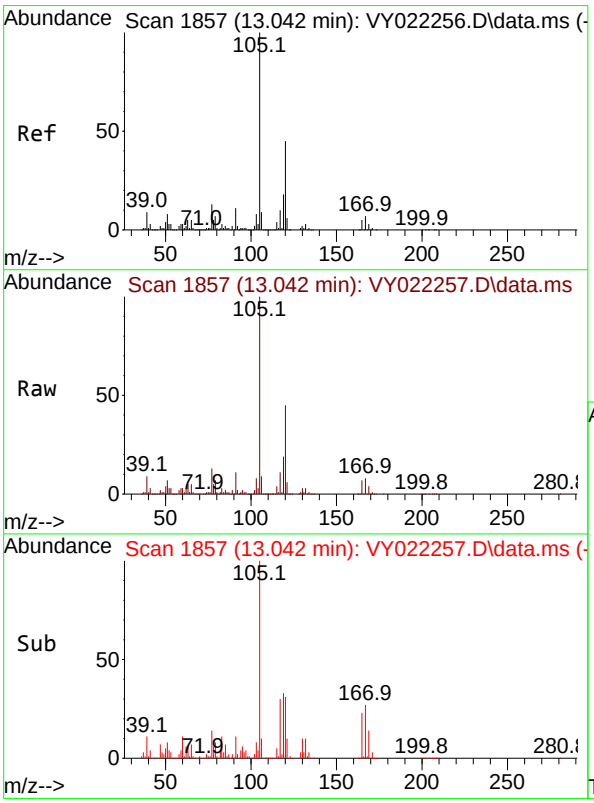
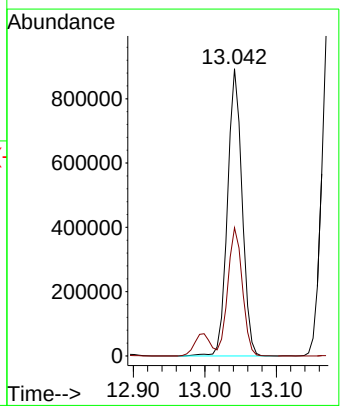
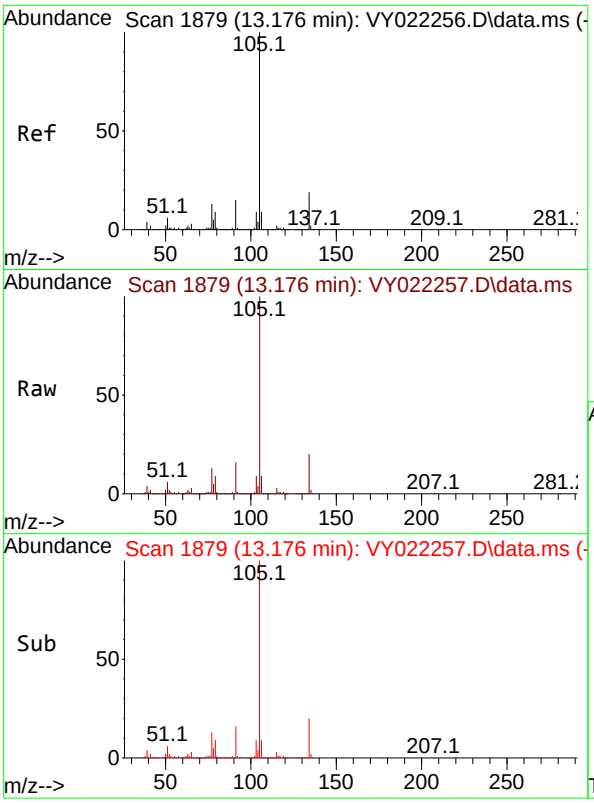


#84
1,2,4-Trimethylbenzene
Concen: 100.297 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1263612

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9

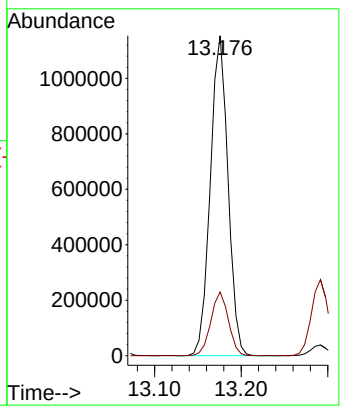




#85
sec-Butylbenzene
Concen: 97.623 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 163472

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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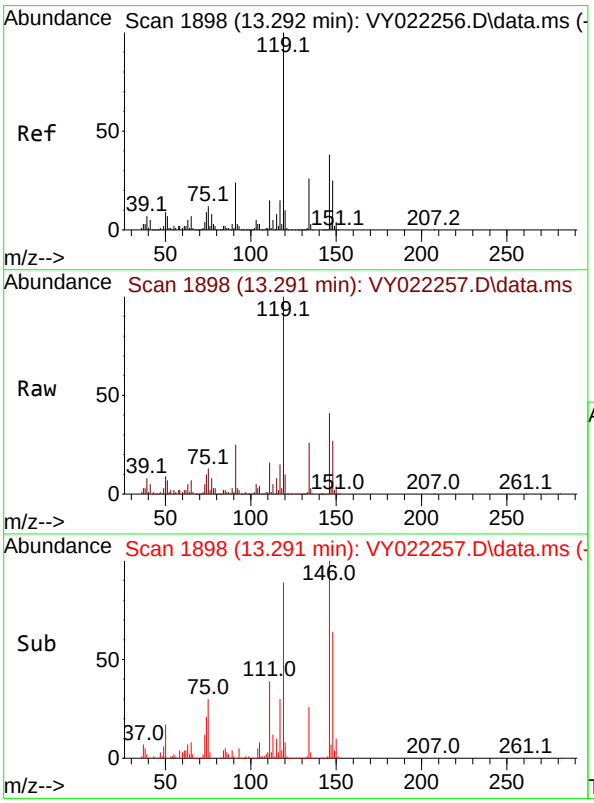
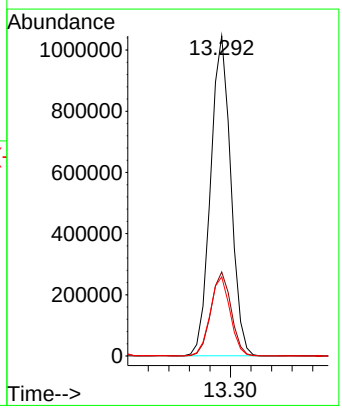
Supervised By :Semsettin Yesilyurt 05/16/2025

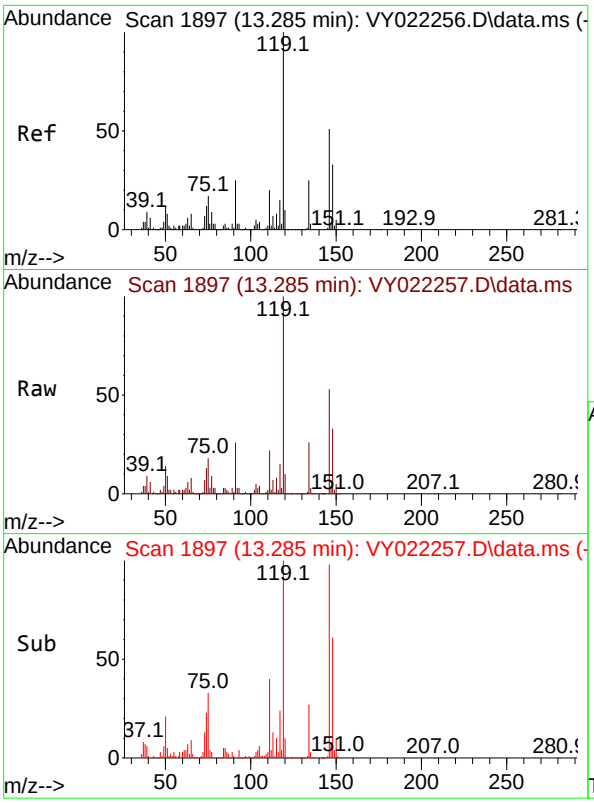


#86
p-Isopropyltoluene
Concen: 101.161 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:119 Resp: 1424684

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.4	12.1	36.3

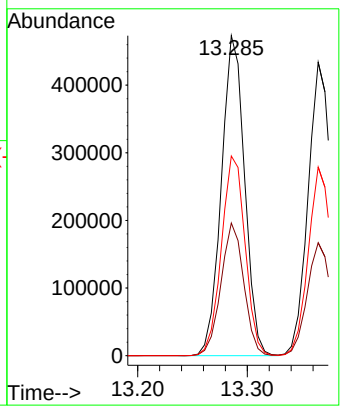




#87
1,3-Dichlorobenzene
Concen: 101.803 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 69786

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.6	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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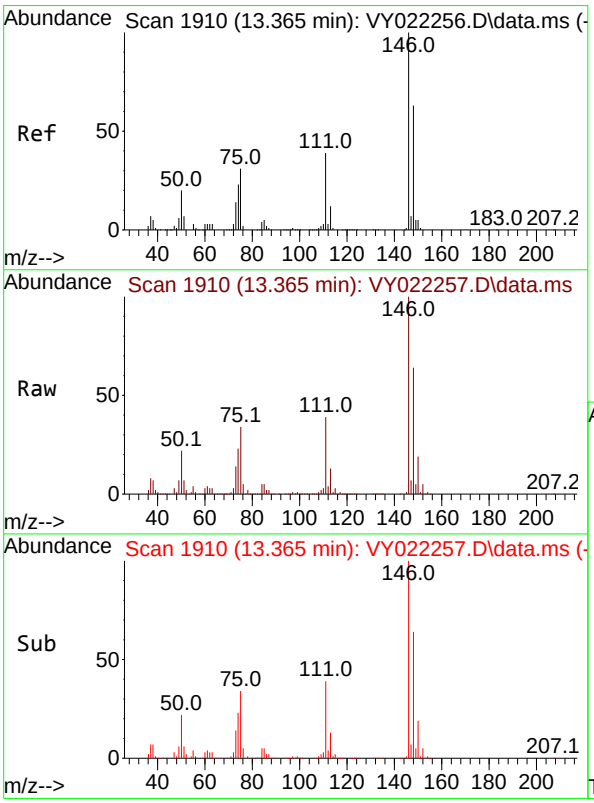
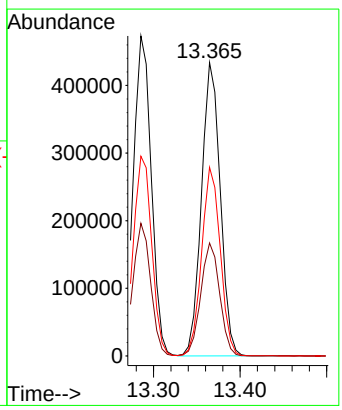
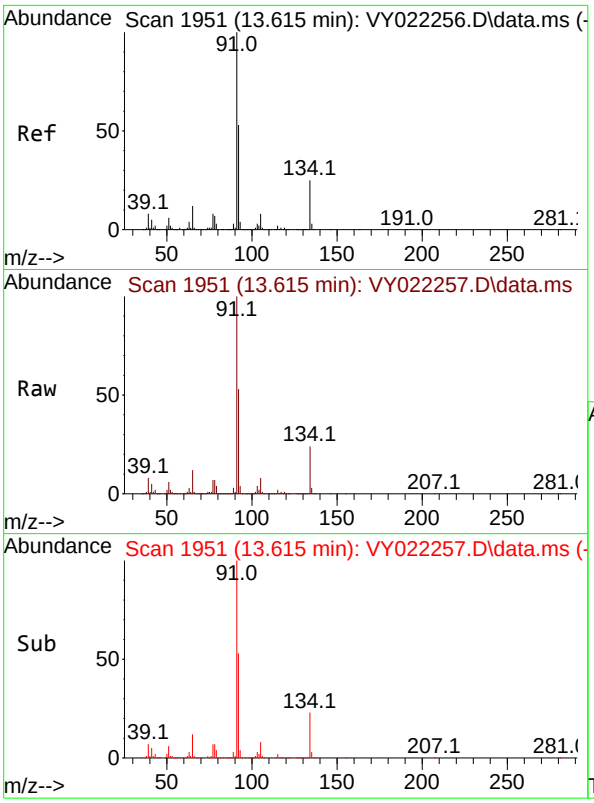


#88
1,4-Dichlorobenzene
Concen: 99.199 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 654104

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.7	32.1	96.5

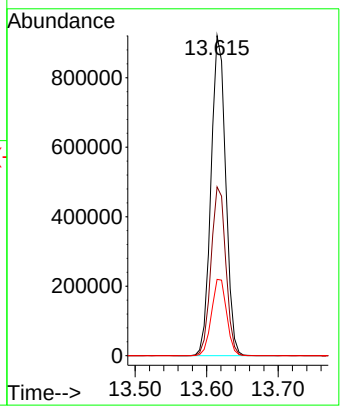




#89
n-Butylbenzene
Concen: 98.327 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 131006

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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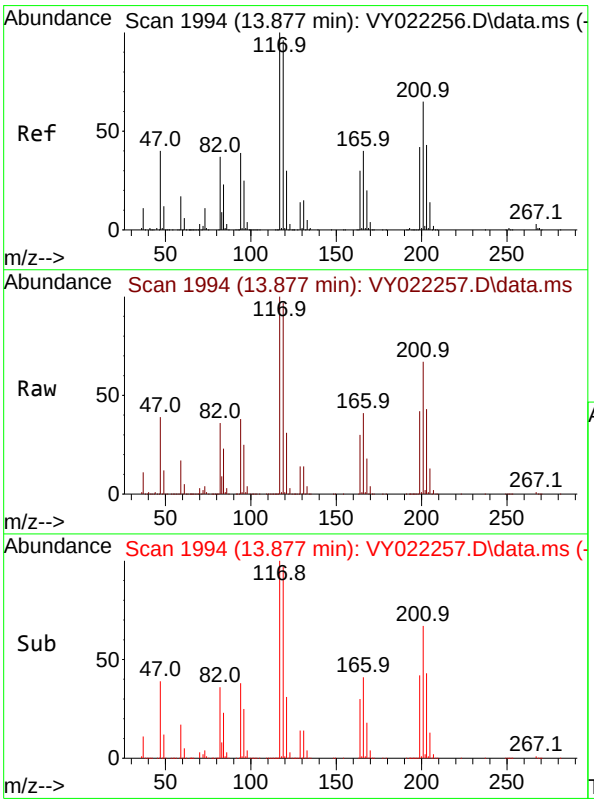
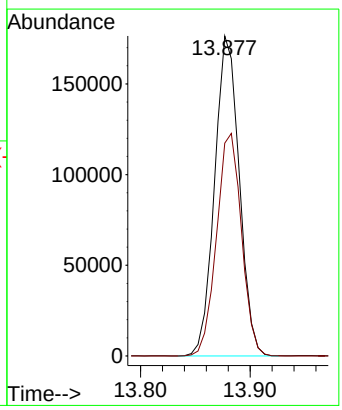
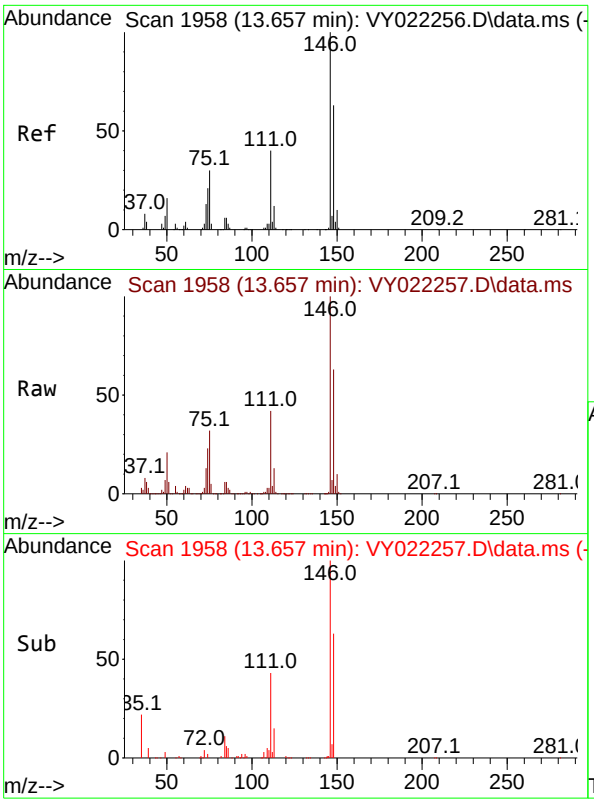


#90
Hexachloroethane
Concen: 96.961 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 275652

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6

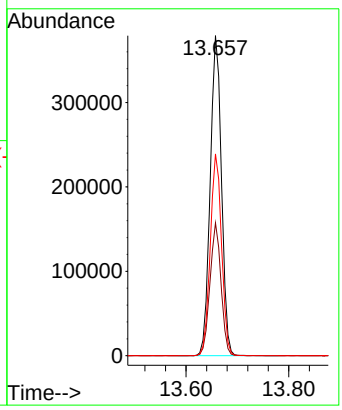




#91
1,2-Dichlorobenzene
Concen: 100.192 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 57691

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.2	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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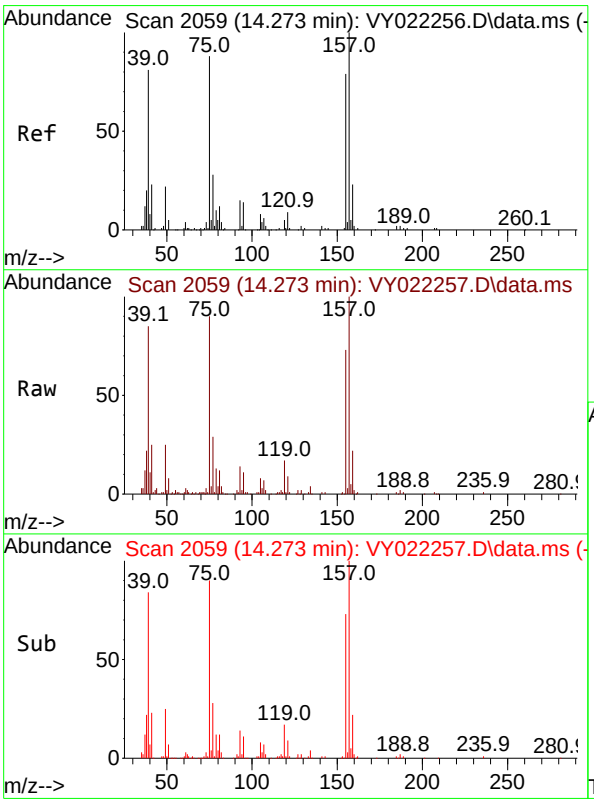
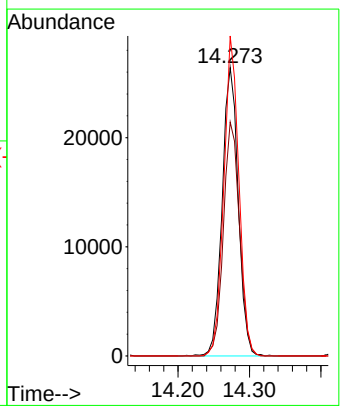
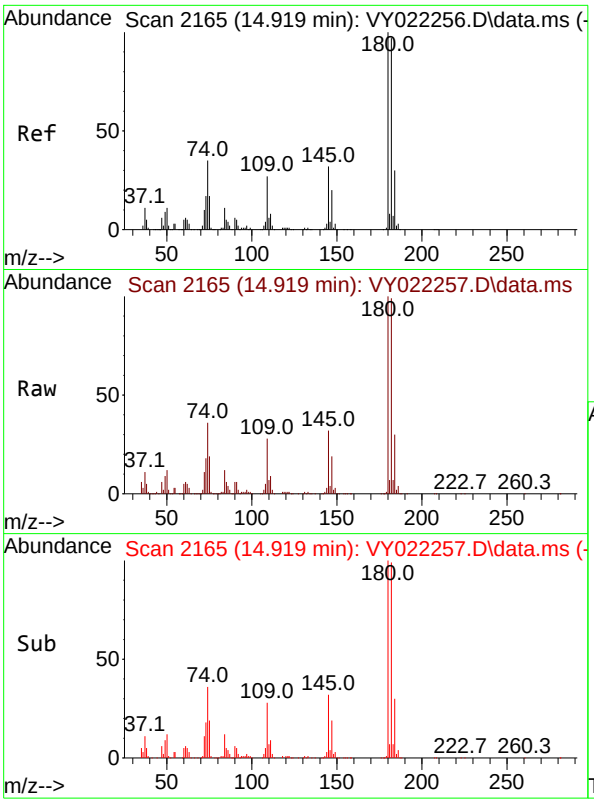


#92
1,2-Dibromo-3-Chloropropane
Concen: 105.859 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 41275

Ion	Ratio	Lower	Upper
75	100		
155	81.3	43.4	130.1
157	104.0	54.6	163.9

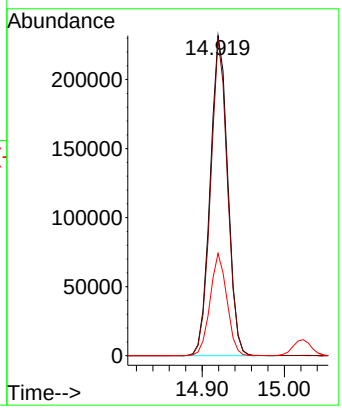




#93
1,2,4-Trichlorobenzene
Concen: 103.107 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:180 Resp: 34293

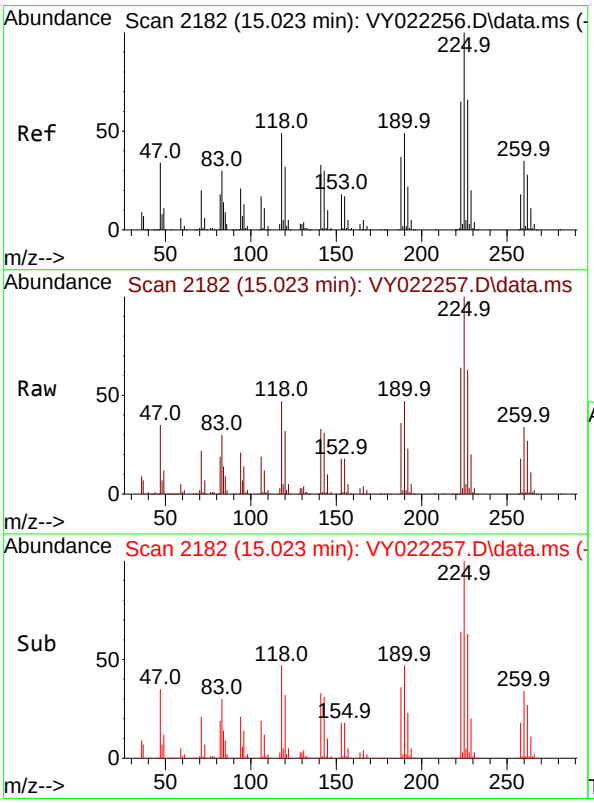
Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	30.7	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

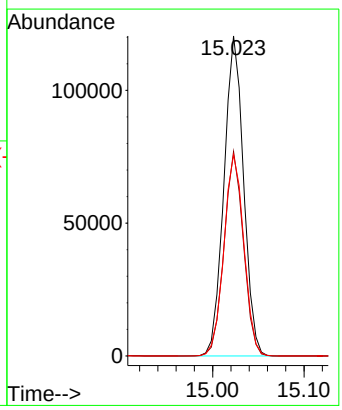
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

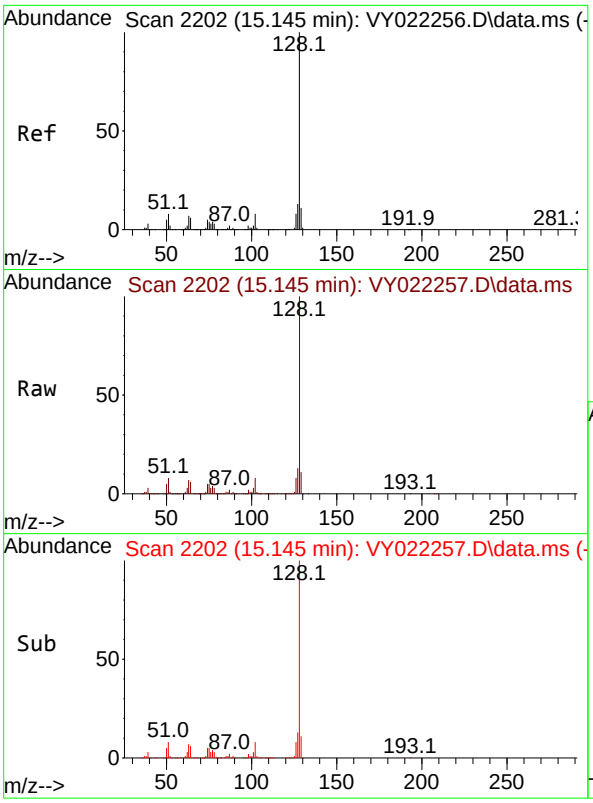


#94
Hexachlorobutadiene
Concen: 97.075 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:225 Resp: 180060

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	64.1	32.1	96.3

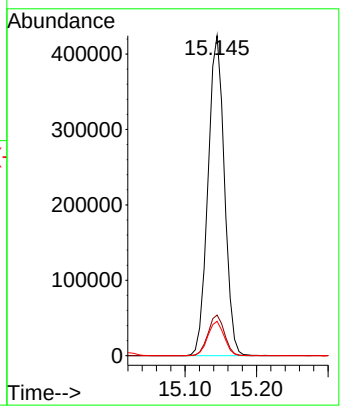




#95
Naphthalene
Concen: 106.935 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:128 Resp: 67495

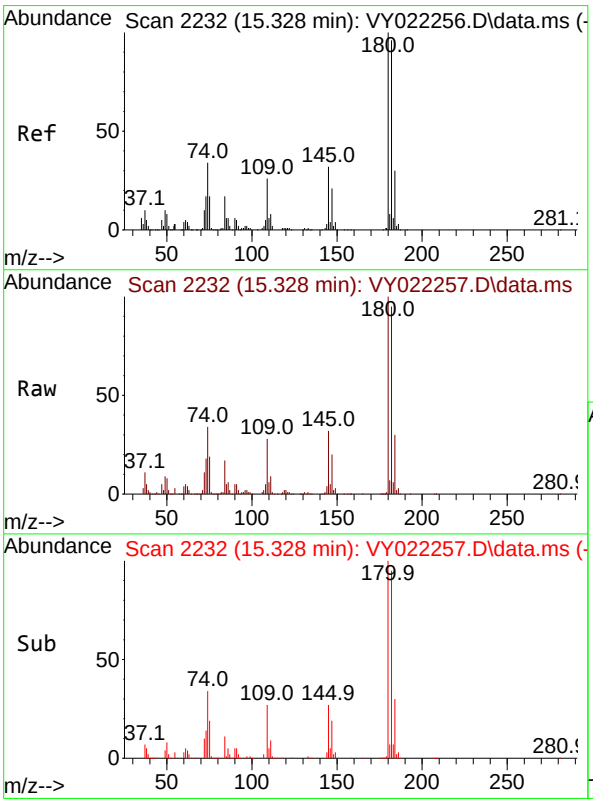
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

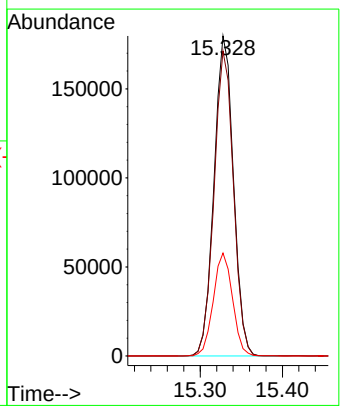
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.488 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:180 Resp: 294823

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.8	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	271027	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	442917	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	389769	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187978	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	455385	153.739	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.480%#				
35) Dibromofluoromethane	7.634	113	412318	155.969	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.940%#				
50) Toluene-d8	10.103	98	1689714	156.065	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.120%#				
62) 4-Bromofluorobenzene	12.402	95	541367	157.751	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 315.500%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.861	85	389593	137.760	ug/l		100
3) Chloromethane	2.068	50	727243	122.246	ug/l		99
4) Vinyl Chloride	2.202	62	902596	135.801	ug/l		97
5) Bromomethane	2.586	94	780107	144.182	ug/l		99
6) Chloroethane	2.727	64	590870	142.898	ug/l		98
7) Trichlorofluoromethane	3.050	101	989291	147.013	ug/l		99
8) Diethyl Ether	3.452	74	236216	146.270	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.812	101	422397	144.588	ug/l		100
10) Methyl Iodide	4.001	142	518980	153.489	ug/l		98
11) Tert butyl alcohol	4.866	59	172549	762.834	ug/l	#	100
12) 1,1-Dichloroethene	3.787	96	425285	146.697	ug/l		97
13) Acrolein	3.653	56	237291	717.595	ug/l		98
14) Allyl chloride	4.379	41	756728	148.866	ug/l		100
15) Acrylonitrile	5.055	53	512850	770.708	ug/l		100
16) Acetone	3.873	43	375443	675.976	ug/l		99
17) Carbon Disulfide	4.104	76	1365378	144.429	ug/l		100
18) Methyl Acetate	4.385	43	282084	166.915	ug/l		99
19) Methyl tert-butyl Ether	5.116	73	1225258	153.279	ug/l		98
20) Methylene Chloride	4.616	84	448817	125.059	ug/l		99
21) trans-1,2-Dichloroethene	5.110	96	472143	147.547	ug/l		99
22) Diisopropyl ether	6.019	45	1626927	151.557	ug/l		99
23) Vinyl Acetate	5.958	43	4953644	763.831	ug/l		100
24) 1,1-Dichloroethane	5.915	63	879785	146.697	ug/l		99
25) 2-Butanone	6.890	43	708010	762.091	ug/l		98
26) 2,2-Dichloropropane	6.884	77	787195	147.575	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	563503	152.601	ug/l		100
28) Bromochloromethane	7.244	49	387221	151.369	ug/l		100
29) Tetrahydrofuran	7.262	42	472224	790.072	ug/l		100
30) Chloroform	7.421	83	859317	149.381	ug/l		98
31) Cyclohexane	7.701	56	821784	137.144	ug/l		98
32) 1,1,1-Trichloroethane	7.616	97	784014	148.554	ug/l		99
36) 1,1-Dichloropropene	7.835	75	658871	151.316	ug/l		99
37) Ethyl Acetate	6.982	43	320686	153.067	ug/l		99
38) Carbon Tetrachloride	7.817	117	696139	154.450	ug/l		100
39) Methylcyclohexane	9.110	83	886329	151.510	ug/l		98
40) Benzene	8.079	78	1987535	153.973	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	202603m	132.161 ug/l		
42) 1,2-Dichloroethane	8.159	62	534517	153.124 ug/l		99
43) Isopropyl Acetate	8.195	43	704366	154.159 ug/l	#	89
44) Trichloroethene	8.866	130	481990	150.171 ug/l		96
45) 1,2-Dichloropropane	9.140	63	472217	151.736 ug/l		97
46) Dibromomethane	9.231	93	258087	153.757 ug/l		99
47) Bromodichloromethane	9.420	83	669834	153.824 ug/l		99
48) Methyl methacrylate	9.219	41	344147	161.060 ug/l		99
49) 1,4-Dioxane	9.231	88	61019	3217.888 ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1829015	815.822 ug/l		99
52) Toluene	10.170	92	1276917	156.216 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	663513	156.134 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	754493	154.963 ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	330716	153.863 ug/l		99
56) Ethyl methacrylate	10.439	69	535897	160.058 ug/l		99
57) 1,3-Dichloropropane	10.719	76	584253	152.987 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1350536	898.675 ug/l		99
59) 2-Hexanone	10.762	43	1227881	816.860 ug/l		99
60) Dibromochloromethane	10.908	129	438666	157.237 ug/l		99
61) 1,2-Dibromoethane	11.012	107	308529	154.008 ug/l		99
64) Tetrachloroethene	10.646	164	501627	139.237 ug/l		100
65) Chlorobenzene	11.438	112	1336594	151.997 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	480525	158.952 ug/l		100
67) Ethyl Benzene	11.518	91	2598027	157.756 ug/l		99
68) m/p-Xylenes	11.627	106	1992413	321.066 ug/l		99
69) o-Xylene	11.957	106	937727	159.714 ug/l		99
70) Styrene	11.969	104	1613798	162.944 ug/l		100
71) Bromoform	12.133	173	254251	155.818 ug/l	#	99
73) Isopropylbenzene	12.255	105	2357568	151.387 ug/l		100
74) N-amyl acetate	12.066	43	694999	156.041 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	375378	156.735 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	289968m	87.525 ug/l		
77) Bromobenzene	12.530	156	509579	153.206 ug/l		99
78) n-propylbenzene	12.591	91	2822794	150.276 ug/l		100
79) 2-Chlorotoluene	12.676	91	1563003	151.415 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1888432	150.219 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	139931	148.846 ug/l		99
82) 4-Chlorotoluene	12.774	91	1616520	152.250 ug/l		99
83) tert-Butylbenzene	12.993	119	1699962	152.144 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1934641	155.030 ug/l		100
85) sec-Butylbenzene	13.176	105	2493393	150.330 ug/l		100
86) p-Isopropyltoluene	13.292	119	2205275	158.088 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1079479	158.981 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	969874	148.497 ug/l		99
89) n-Butylbenzene	13.615	91	1992554	150.985 ug/l		99
90) Hexachloroethane	13.877	117	417341	148.208 ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	858733	150.565 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	58383	151.172 ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	508537	154.361 ug/l		99
94) Hexachlorobutadiene	15.023	225	261832	142.514 ug/l		100
95) Naphthalene	15.139	128	979369	156.653 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	426231	152.509 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

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

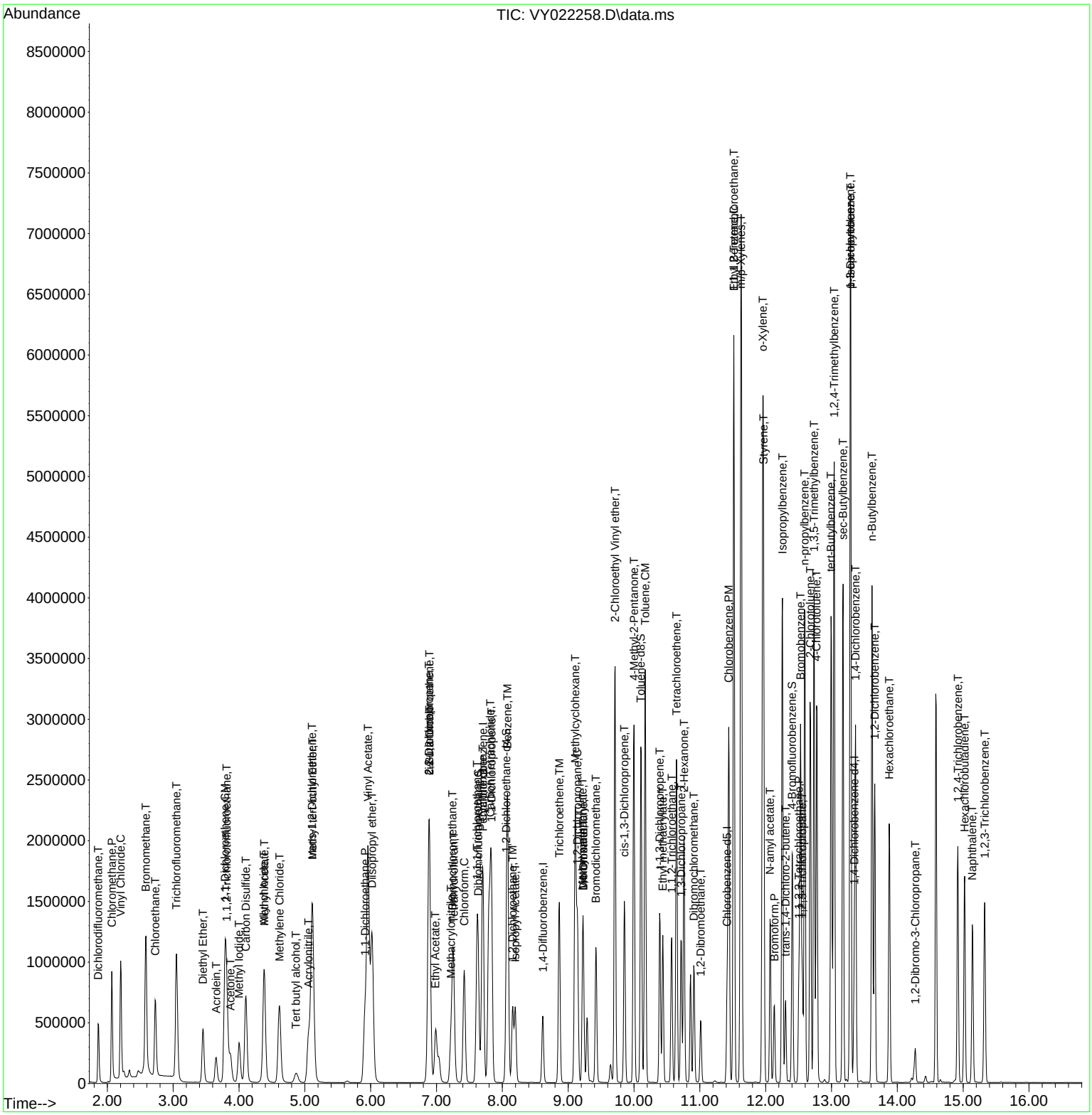
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

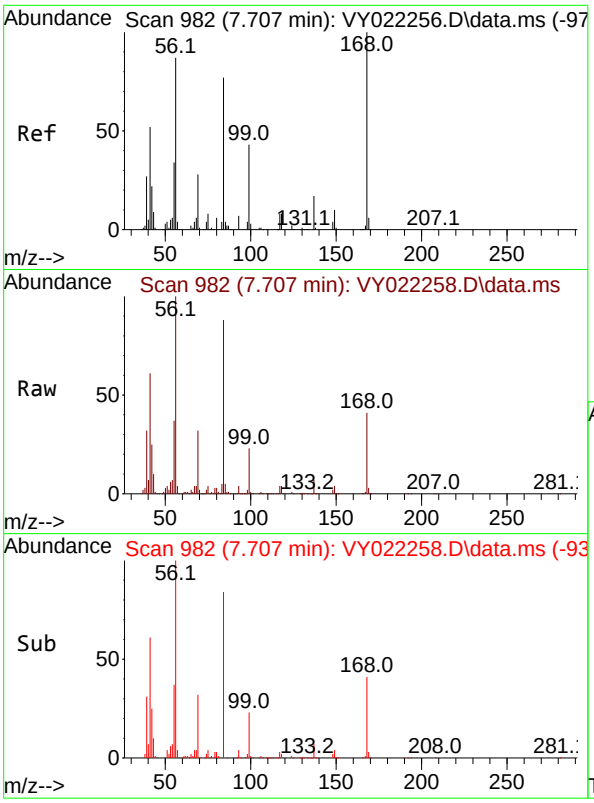
Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

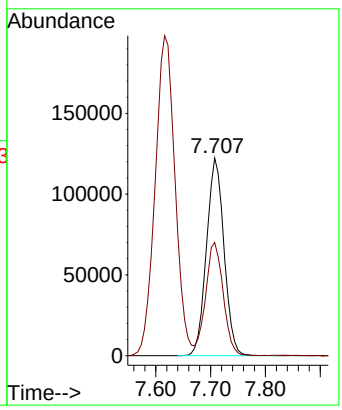




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:168 Resp: 27102

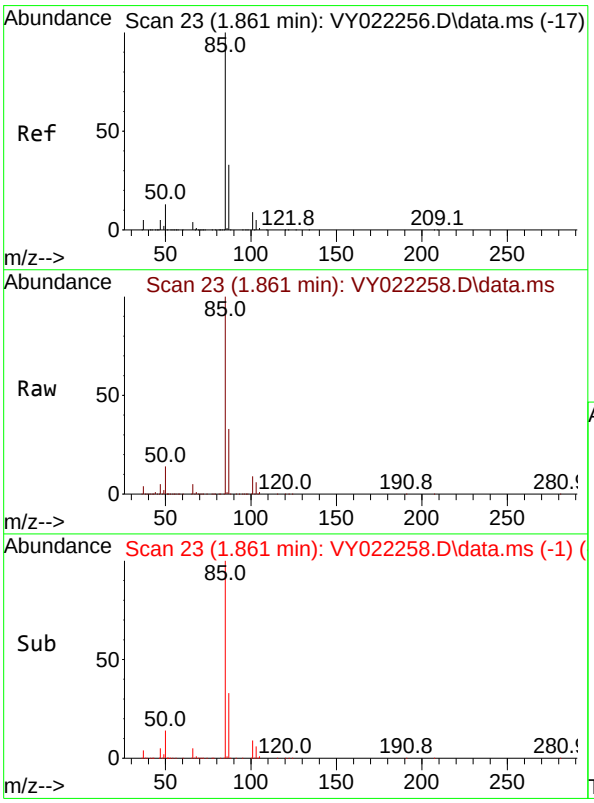
Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

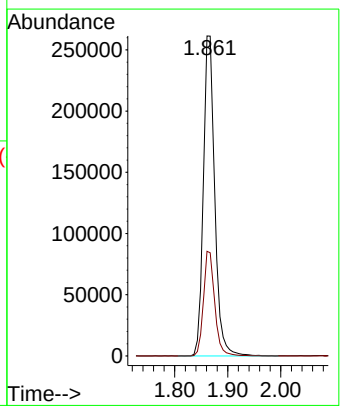
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

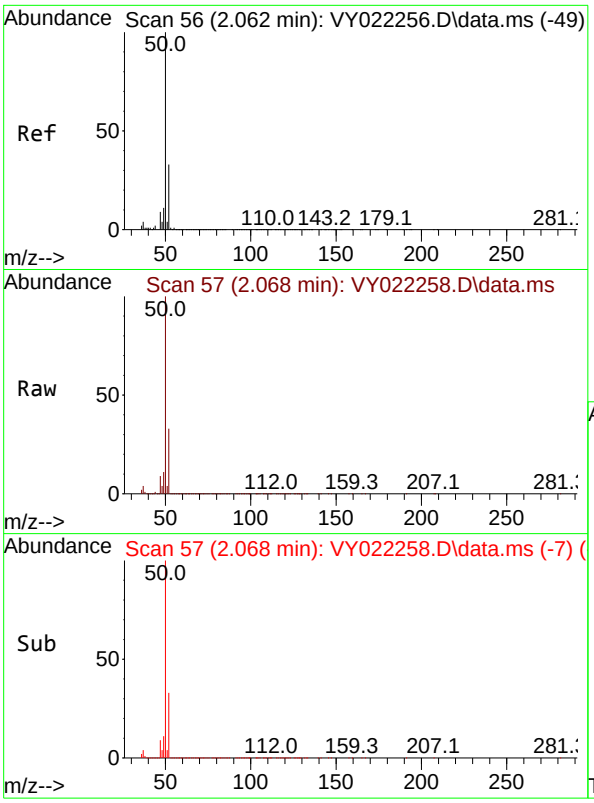


#2
Dichlorodifluoromethane
Concen: 137.760 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 85 Resp: 389593

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.5	49.5

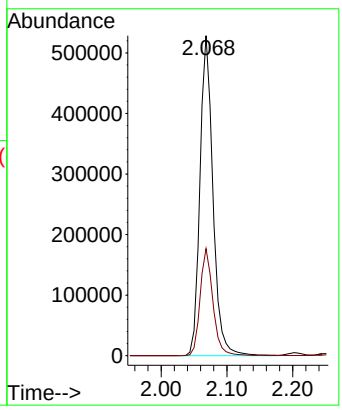




#3
Chloromethane
Concen: 122.246 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 50 Resp: 72724

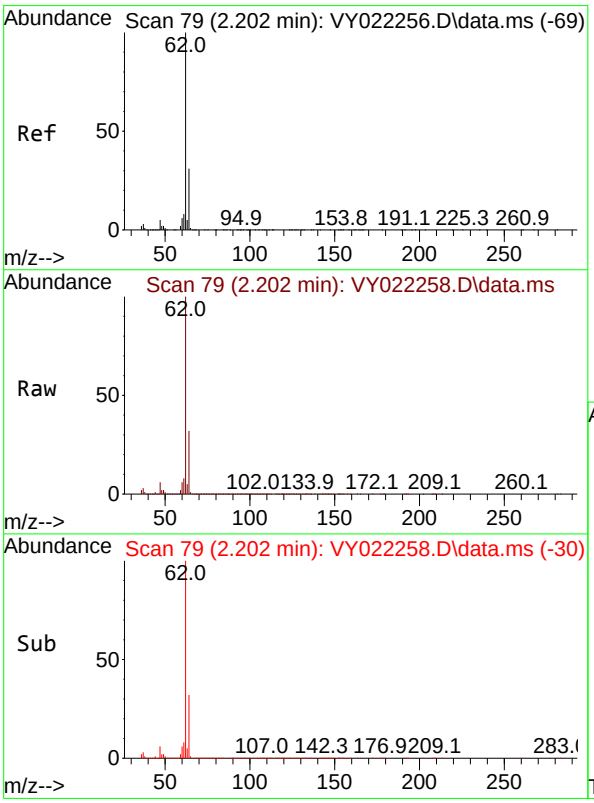
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

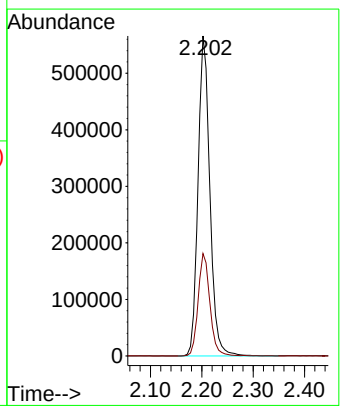
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

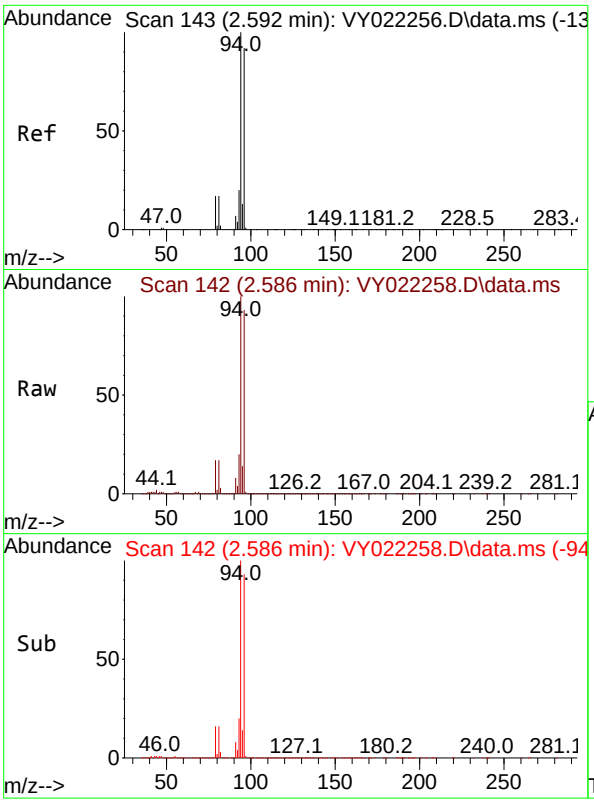


#4
Vinyl Chloride
Concen: 135.801 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 902596

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.5	36.7

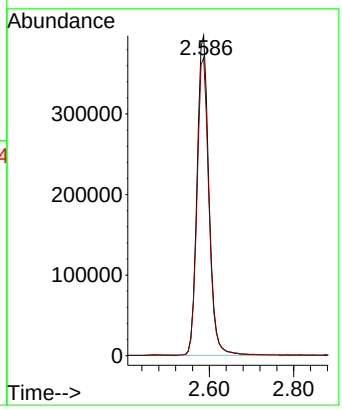




#5
Bromomethane
Concen: 144.182 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 94 Resp: 78010

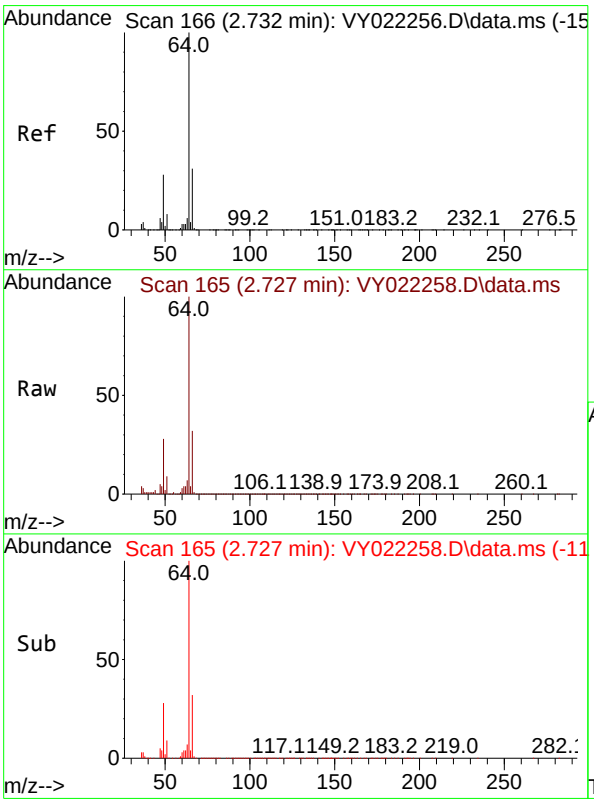
Ion	Ratio	Lower	Upper
94	100		
96	93.0	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

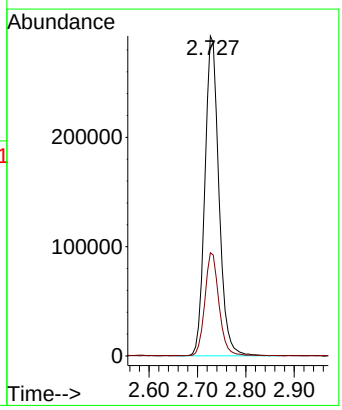
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

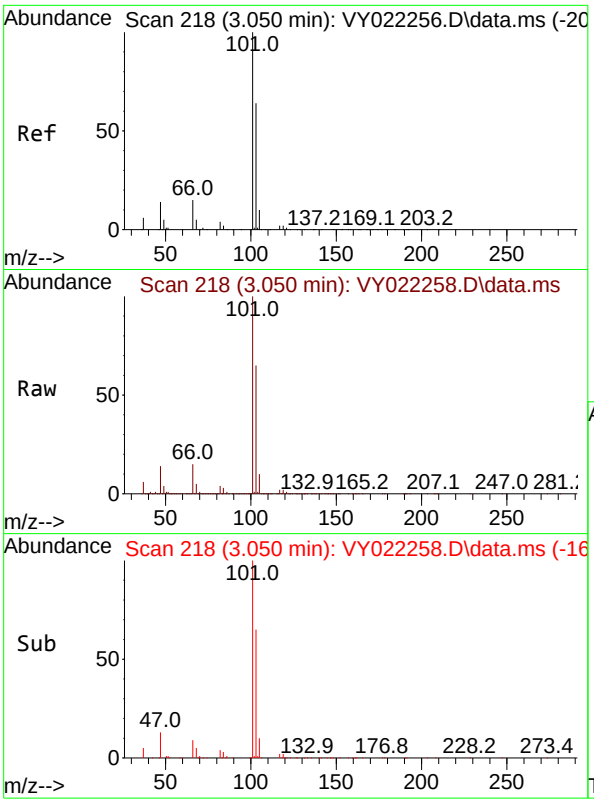


#6
Chloroethane
Concen: 142.898 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 64 Resp: 590870

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.8	37.2

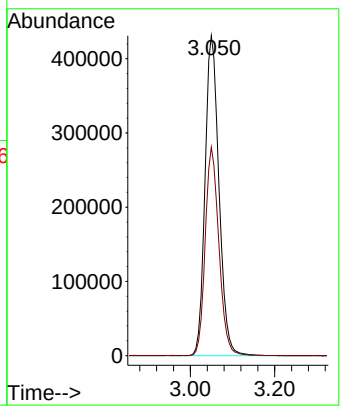




#7
Trichlorofluoromethane
Concen: 147.013 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:101 Resp: 98929

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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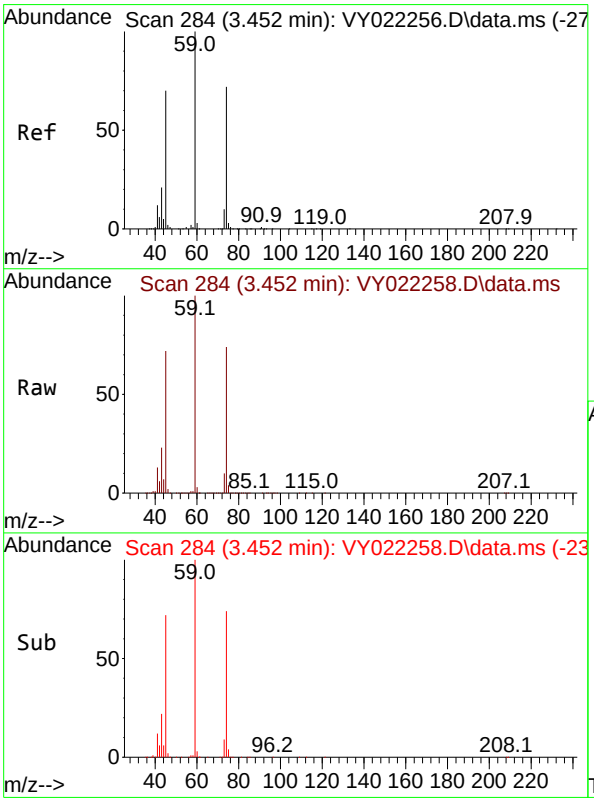
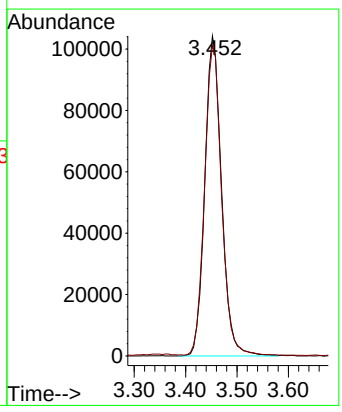
Supervised By :Semsettin Yesilyurt 05/16/2025

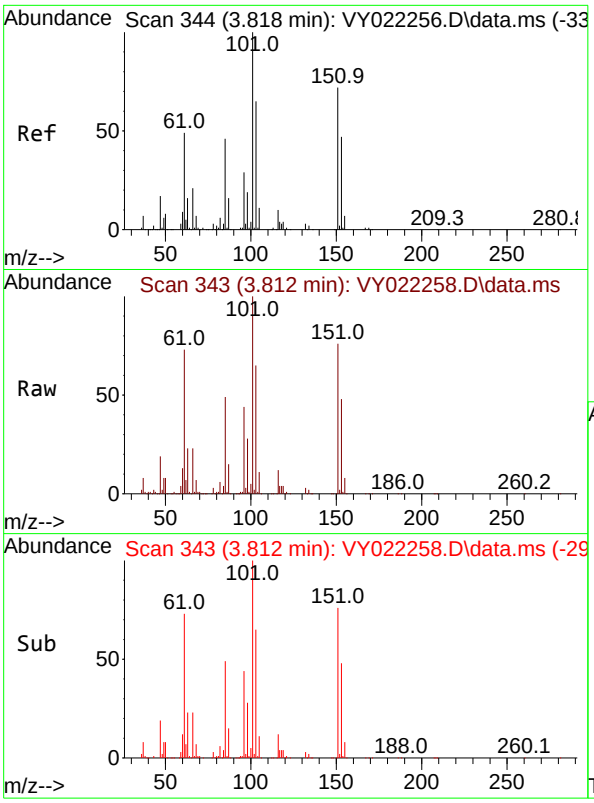


#8
Diethyl Ether
Concen: 146.270 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 74 Resp: 236216

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8

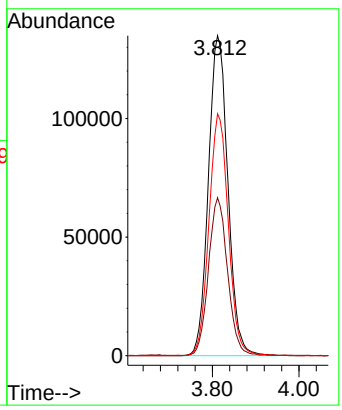




#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.588 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:101 Resp: 42239

Ion	Ratio	Lower	Upper
101	100		
85	48.2	38.6	58.0
151	75.2	59.7	89.5



Instrument :
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ClientSampleId :
VSTDICC150

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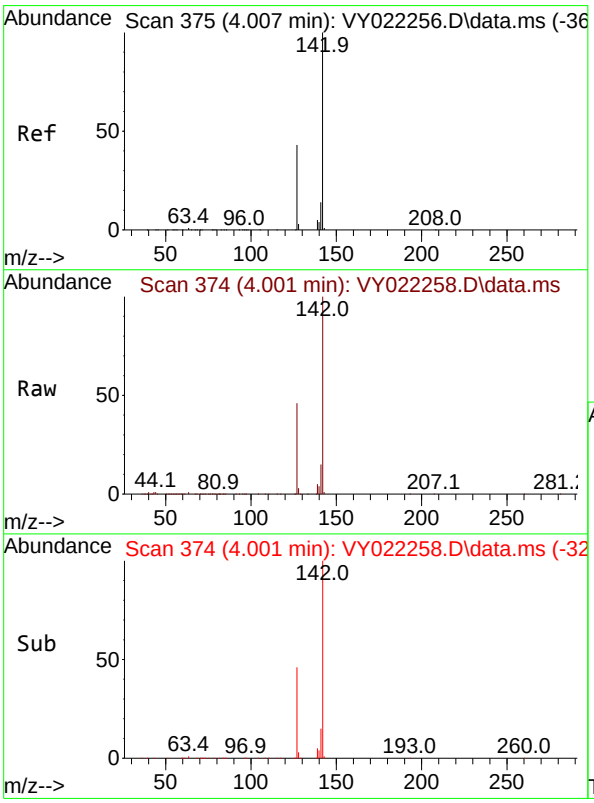
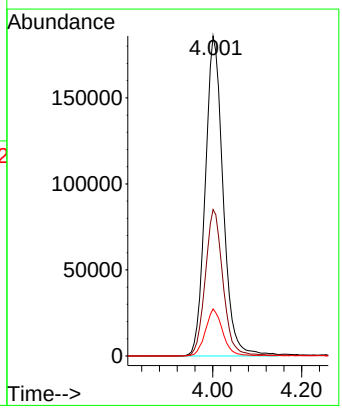
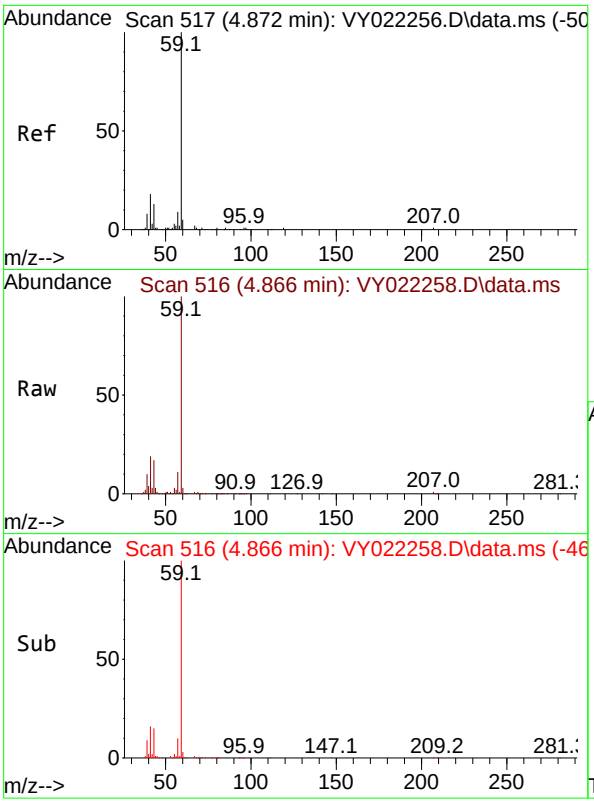


#10
Methyl Iodide
Concen: 153.489 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:142 Resp: 518980

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.7	53.5
141	14.3	11.1	16.7

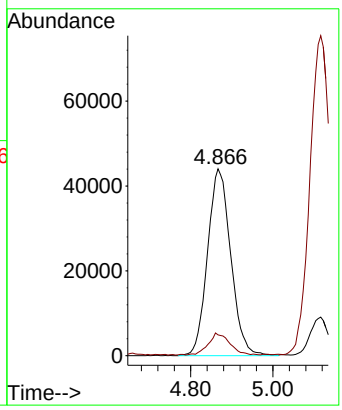




#11
Tert butyl alcohol
Concen: 762.834 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 59 Resp: 17254

Ion	Ratio	Lower	Upper
59	100		
57	10.9	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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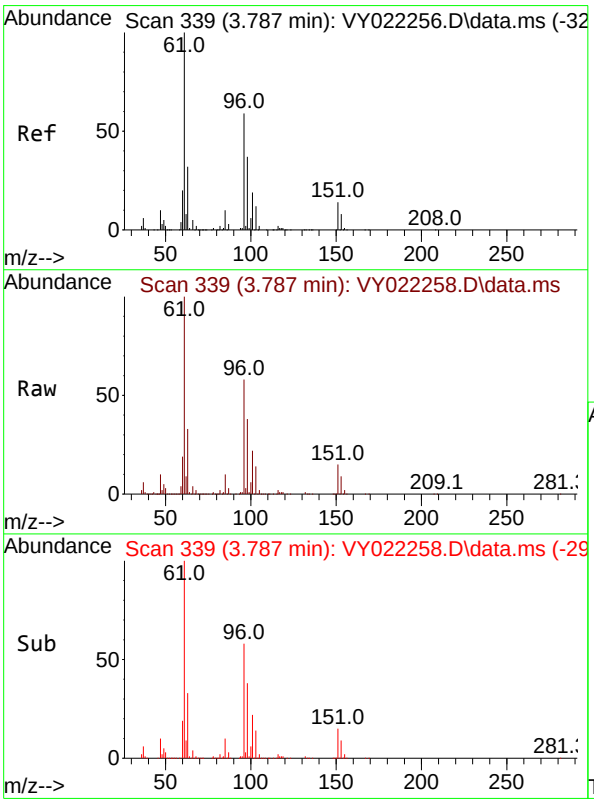
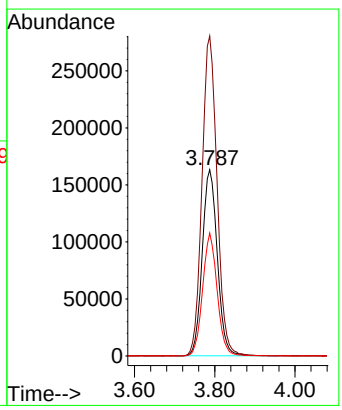
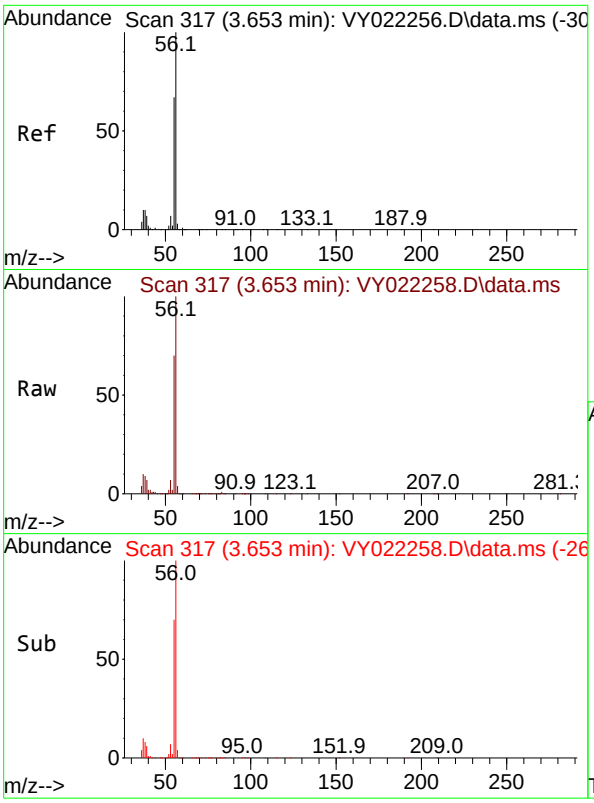


#12
1,1-Dichloroethene
Concen: 146.697 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 425285

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.9	202.3
98	65.9	49.9	74.9

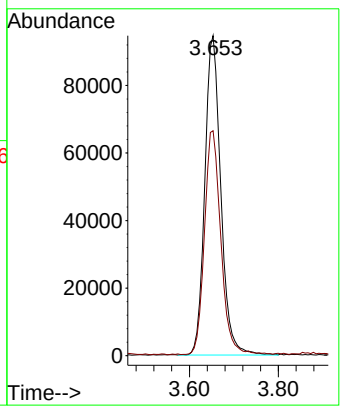




#13
Acrolein
Concen: 717.595 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 56 Resp: 23729

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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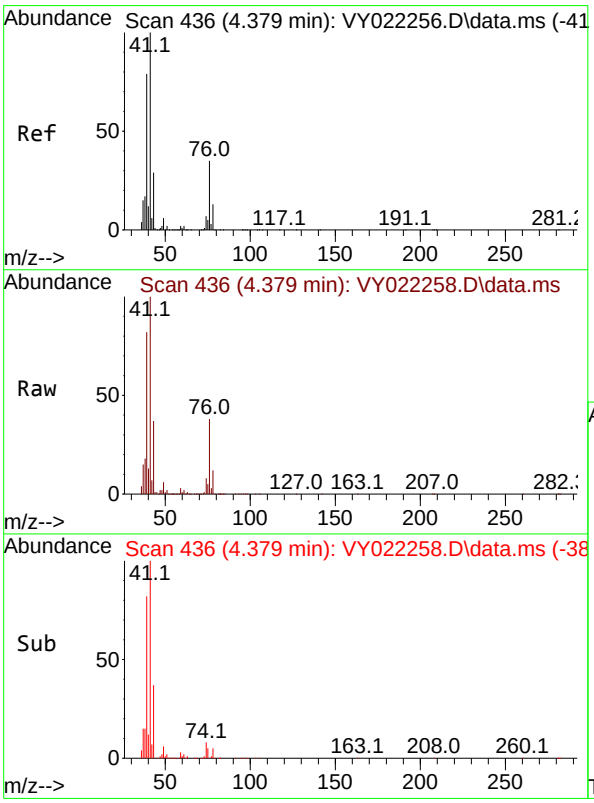
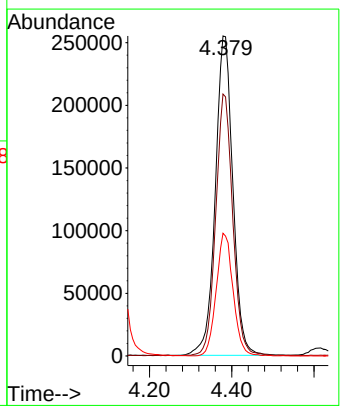
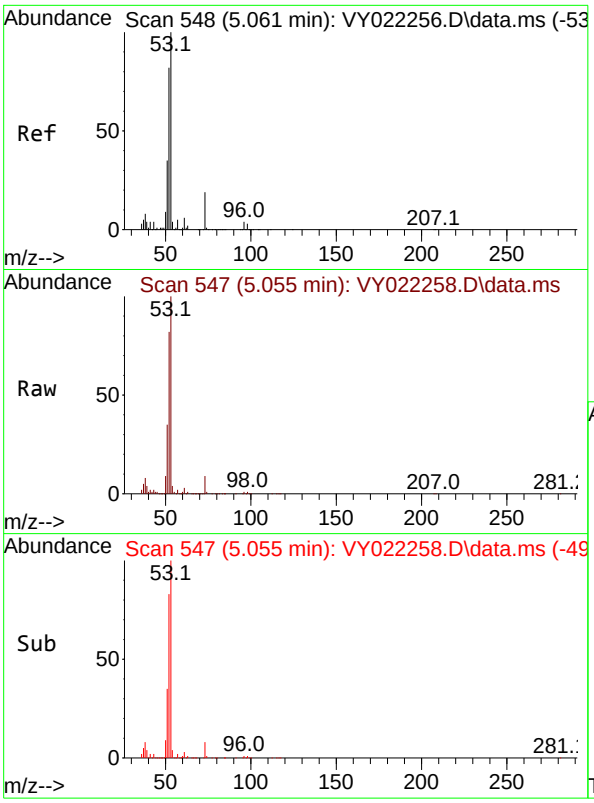


#14
Allyl chloride
Concen: 148.866 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 756728

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.8	29.5	44.3

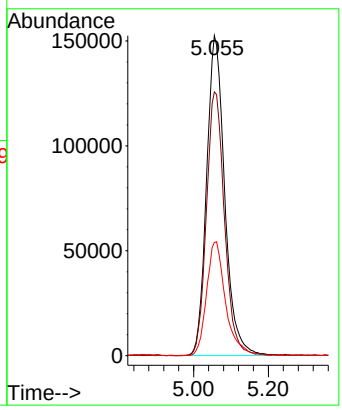




#15
Acrylonitrile
Concen: 770.708 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 53 Resp: 51285

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	37.5	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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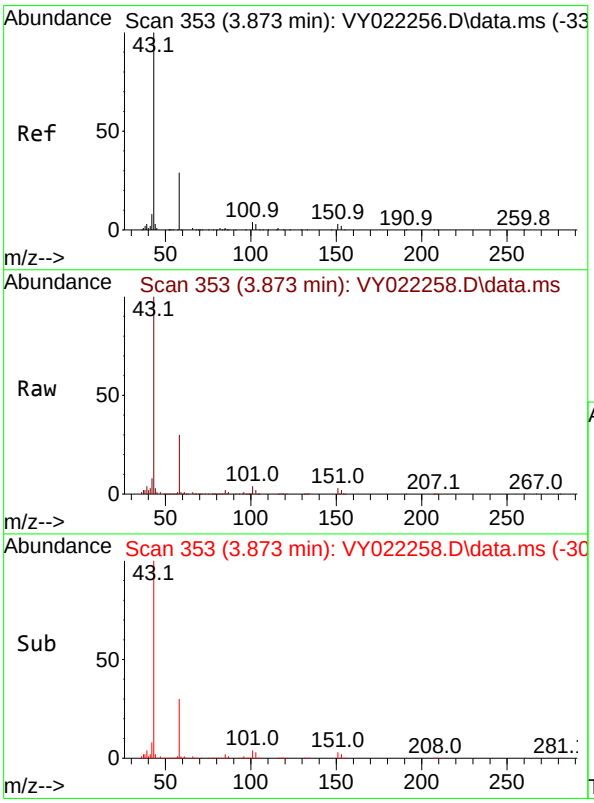
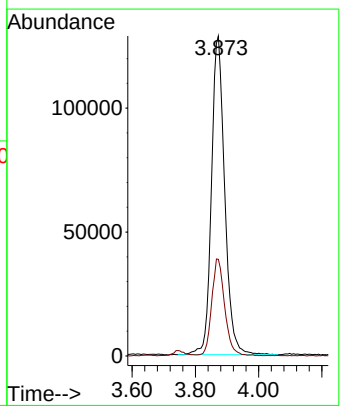
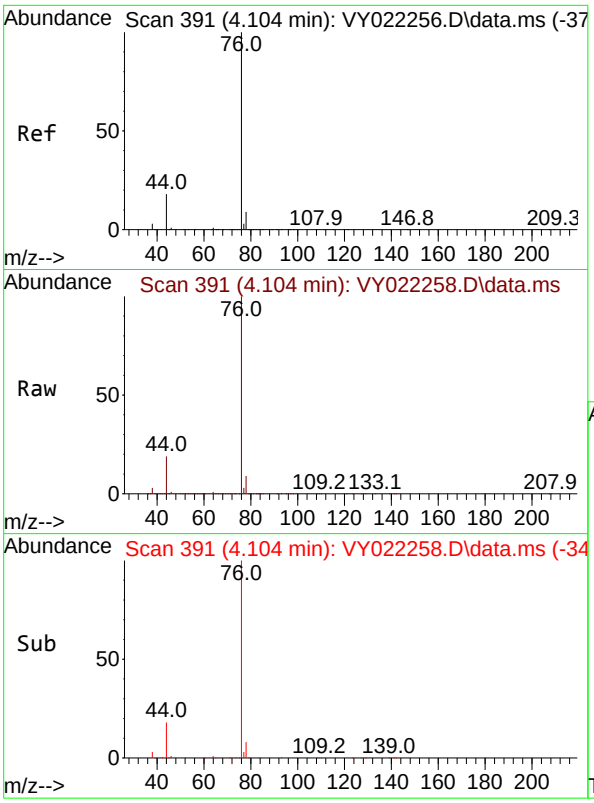


#16
Acetone
Concen: 675.976 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 375443

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4

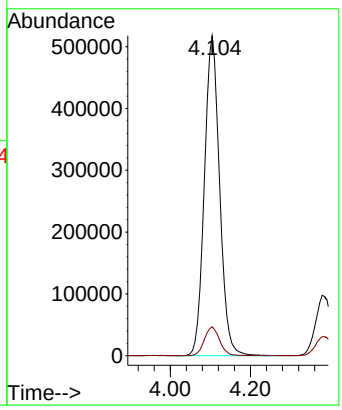




#17
Carbon Disulfide
Concen: 144.429 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 76 Resp: 136537

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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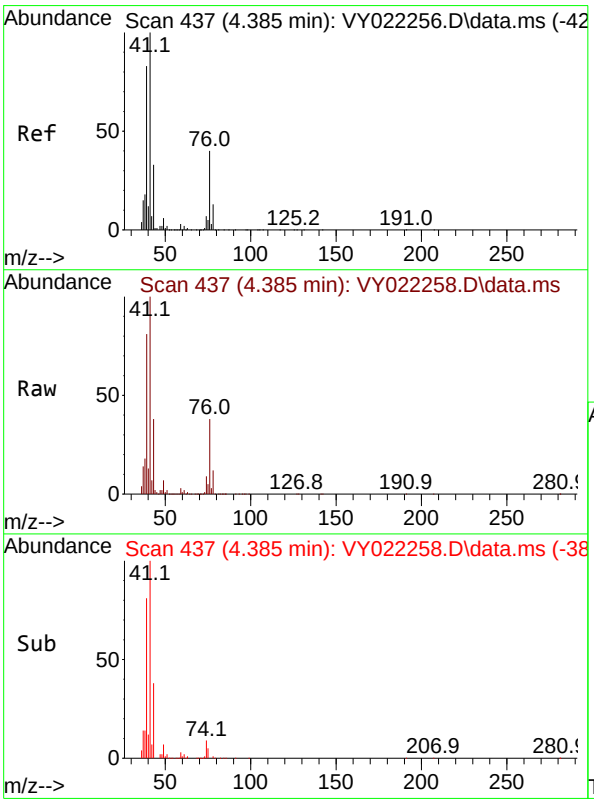
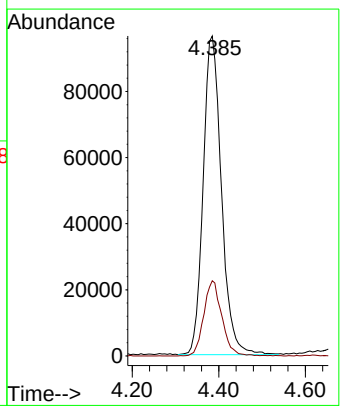
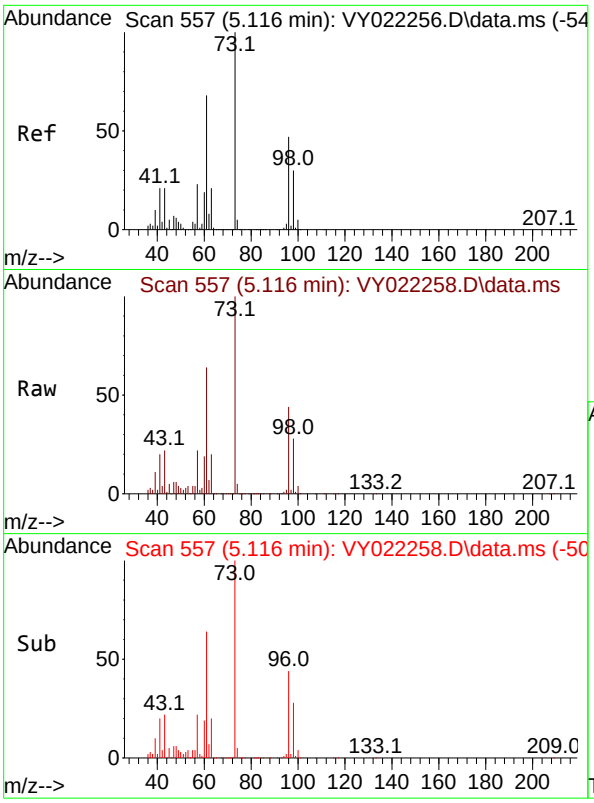


#18
Methyl Acetate
Concen: 166.915 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 282084

Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.4

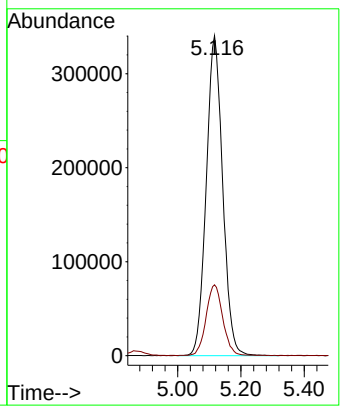




#19
Methyl tert-butyl Ether
Concen: 153.279 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 73 Resp: 122525

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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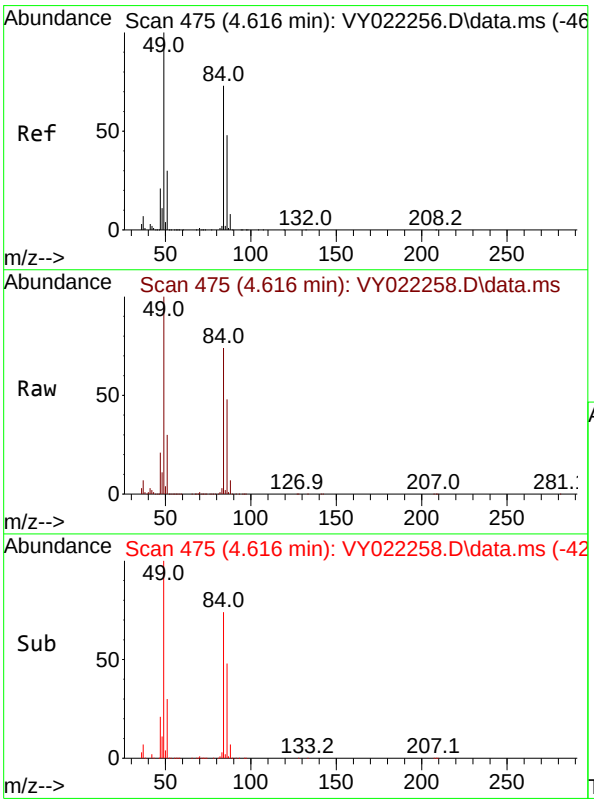
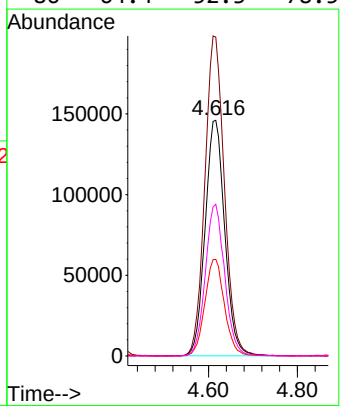
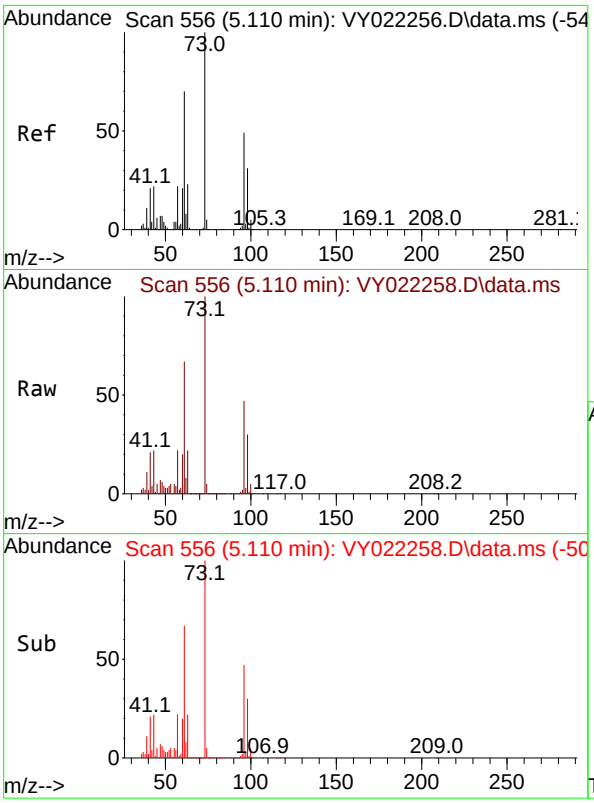


#20
Methylene Chloride
Concen: 125.059 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 84 Resp: 448817

Ion	Ratio	Lower	Upper
84	100		
49	135.3	109.6	164.4
51	40.9	32.4	48.6
86	64.4	52.3	78.5

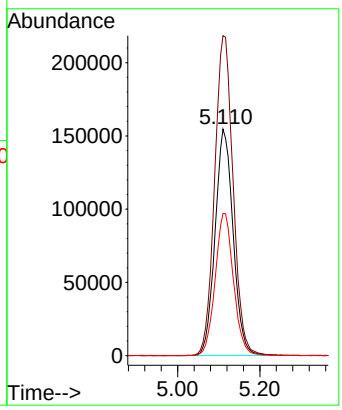




#21
trans-1,2-Dichloroethene
Concen: 147.547 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 47214

Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.4	170.0
98	62.8	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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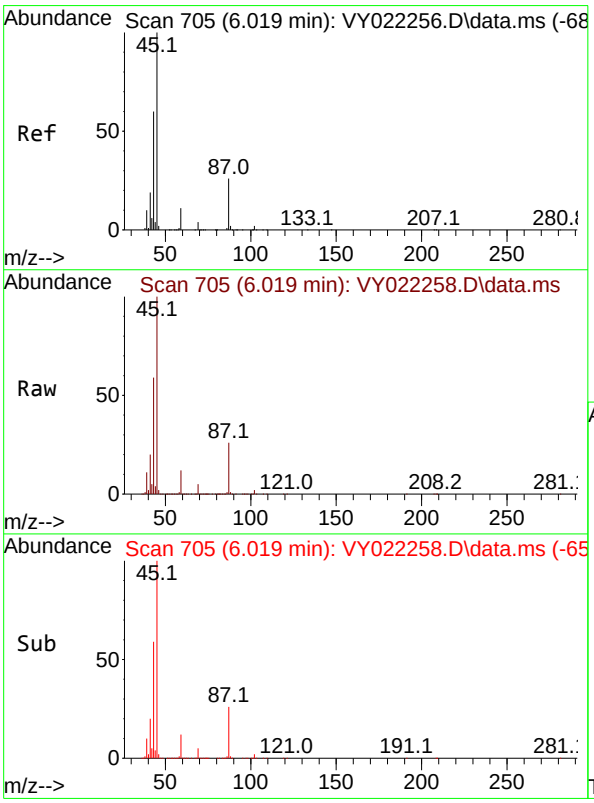
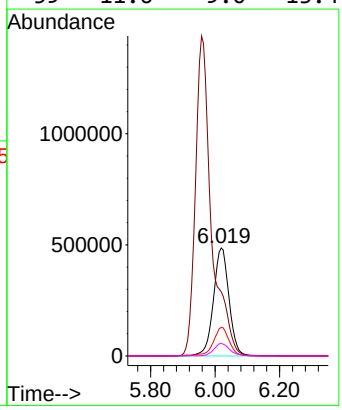
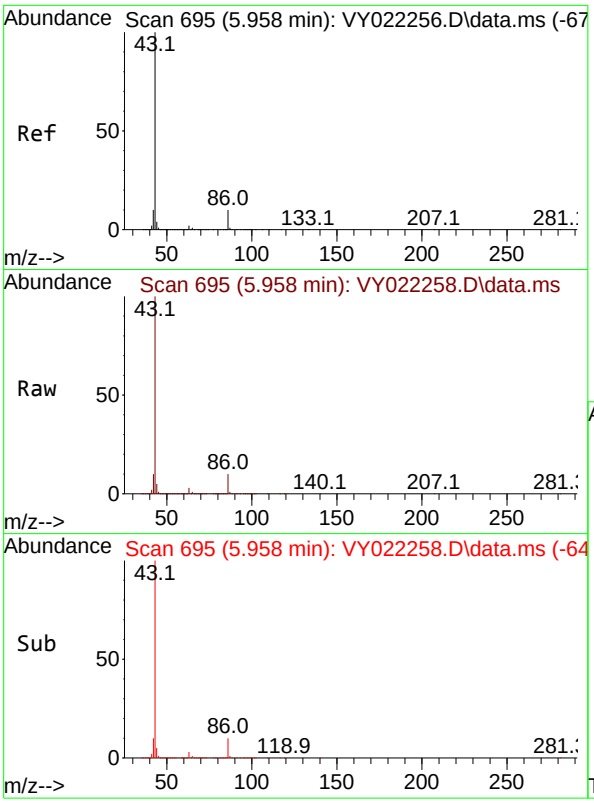


#22
Diisopropyl ether
Concen: 151.557 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 45 Resp: 1626927

Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.2	72.2
87	26.4	21.4	32.0
59	11.6	9.0	13.4

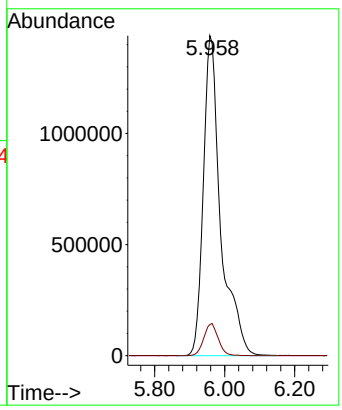




#23
Vinyl Acetate
Concen: 763.831 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 495364

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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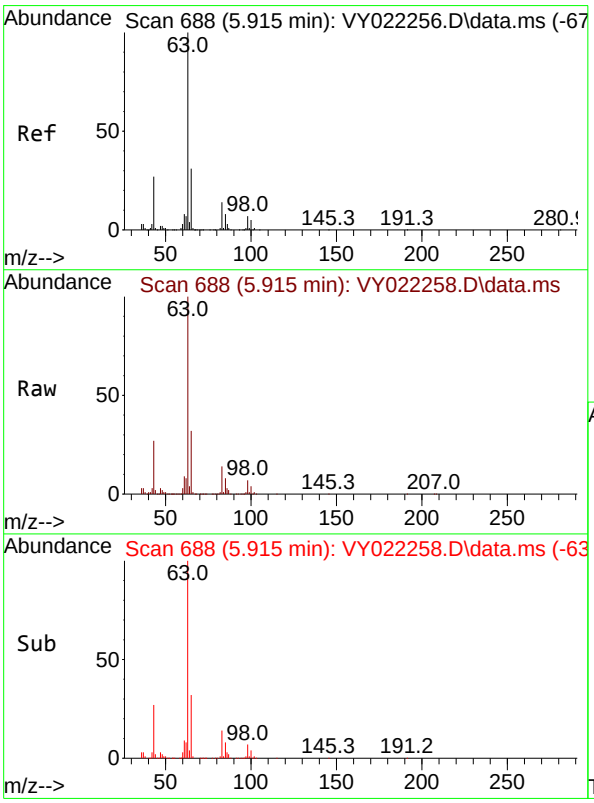
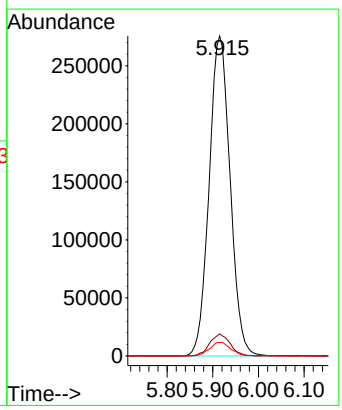
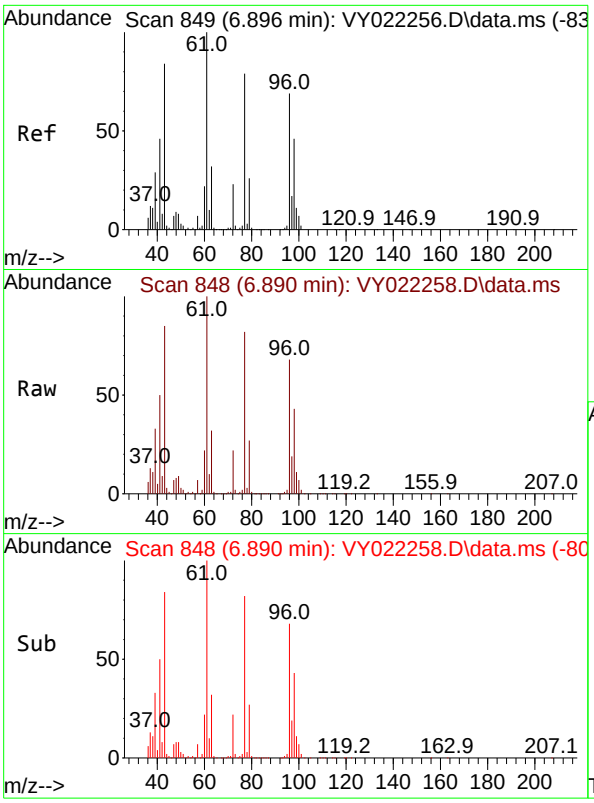


#24
1,1-Dichloroethane
Concen: 146.697 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 879785

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 762.091 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 70801

Ion	Ratio	Lower	Upper
43	100		
72	26.4	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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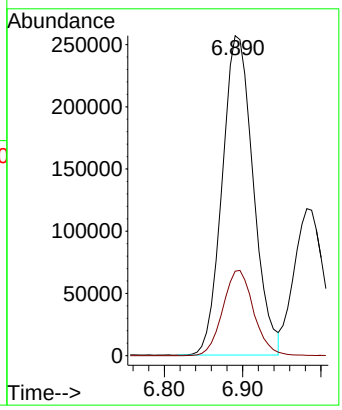
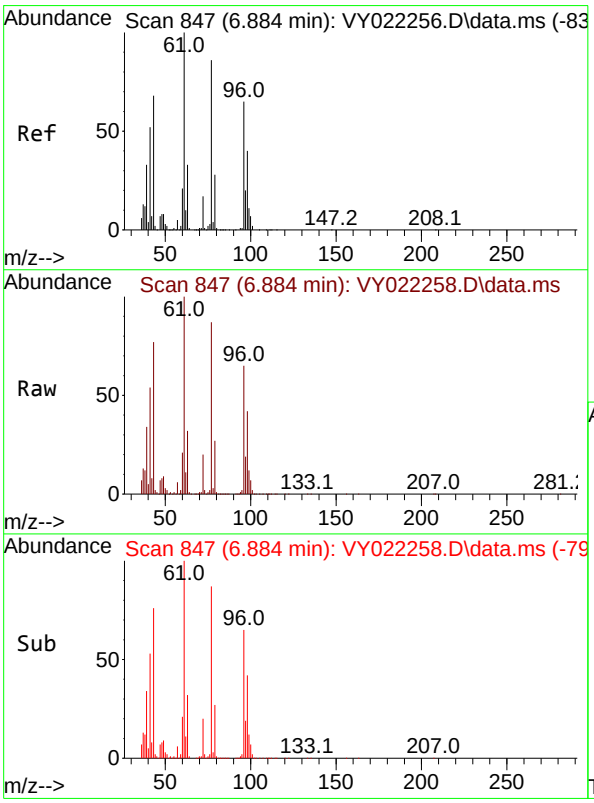
Supervised By :Semsettin Yesilyurt 05/16/2025

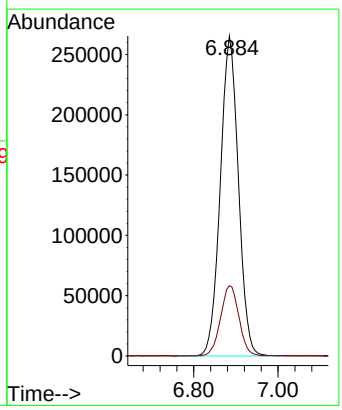


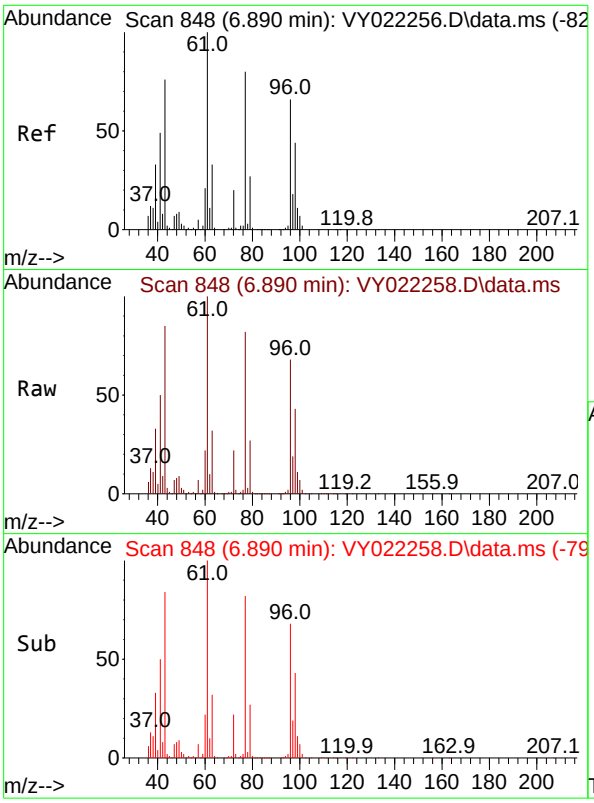


#26
2,2-Dichloropropane
Concen: 147.575 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 77 Resp: 787195

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 152.601 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 56350

Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	302.6
98	64.4	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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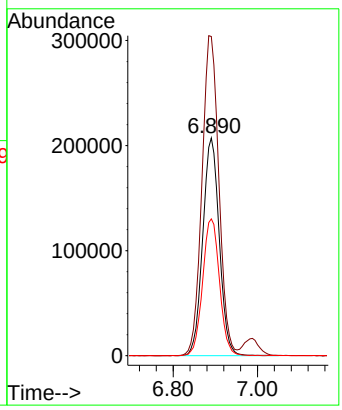
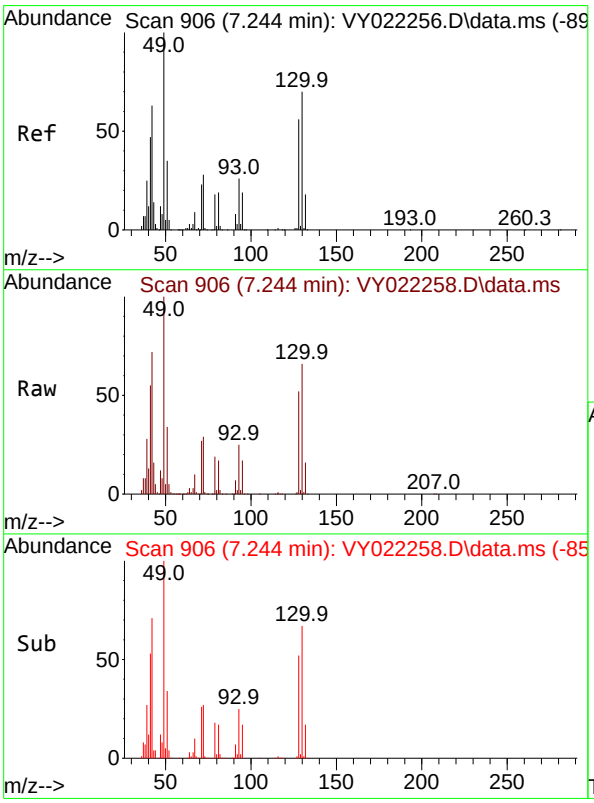
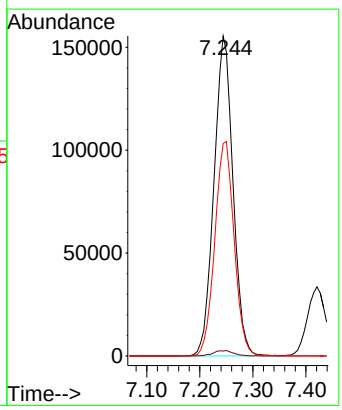


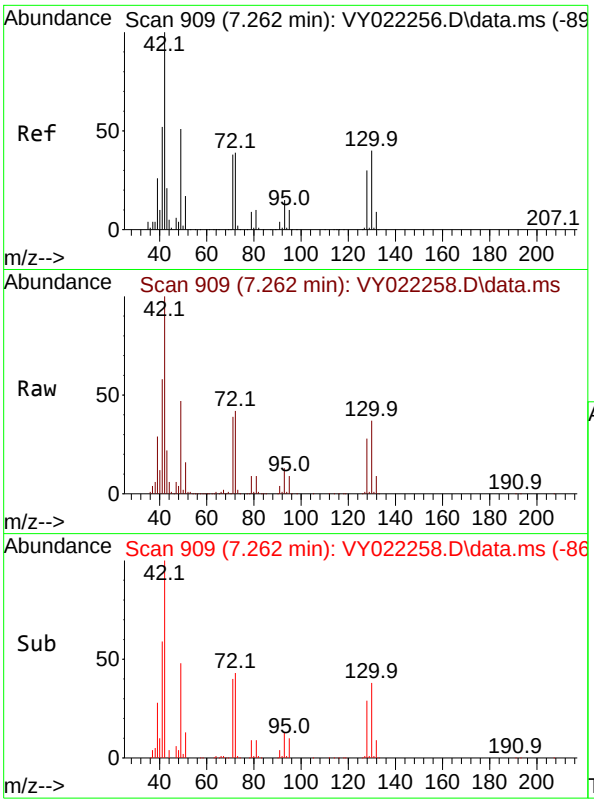


#28
Bromochloromethane
Concen: 151.369 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 49 Resp: 387221

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.2	54.7	82.1

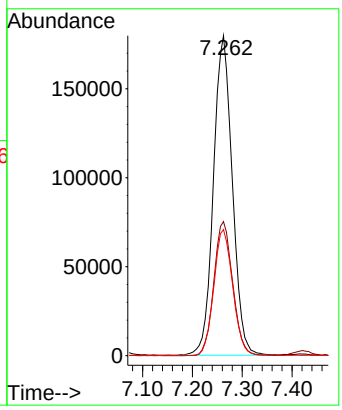




#29
Tetrahydrofuran
Concen: 790.072 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 42 Resp: 47222

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
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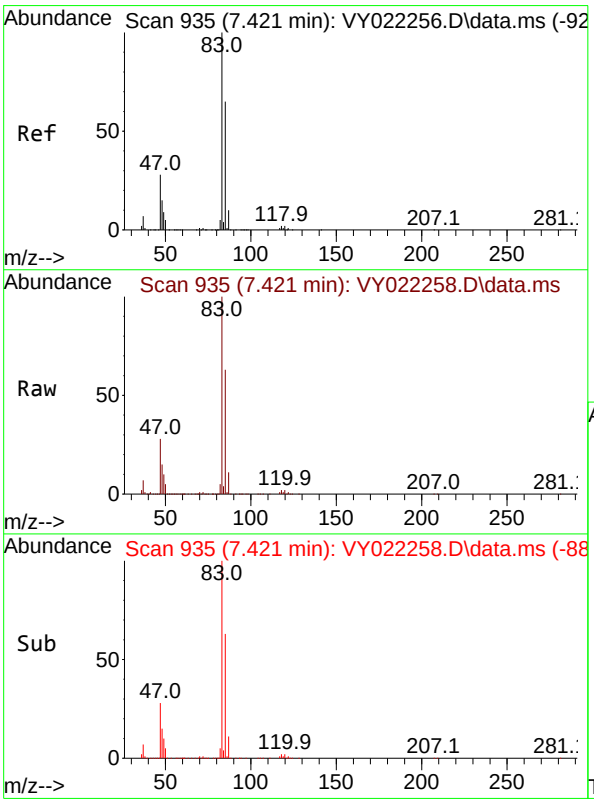
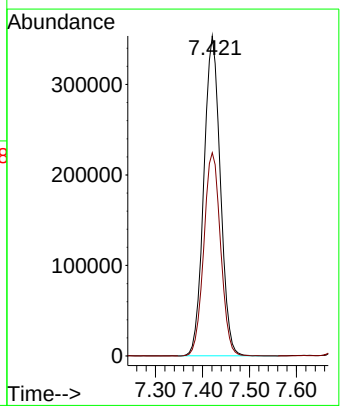
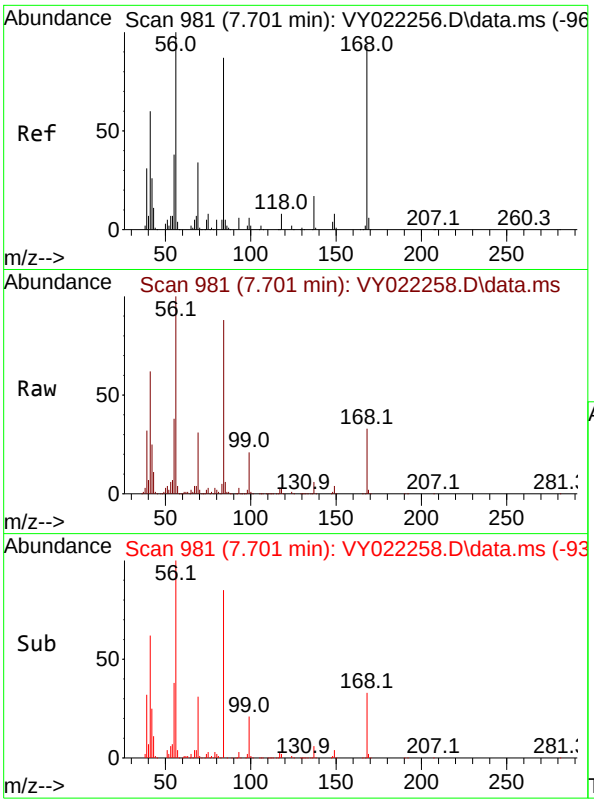


#30
Chloroform
Concen: 149.381 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 859317

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8

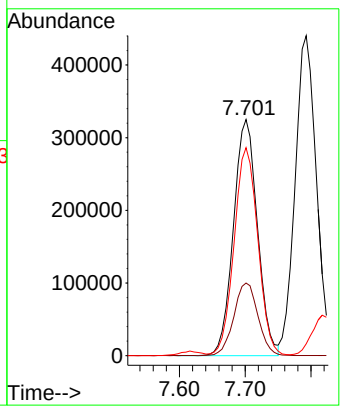




#31
Cyclohexane
Concen: 137.144 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 56 Resp: 82178

Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.4	41.2
84	87.3	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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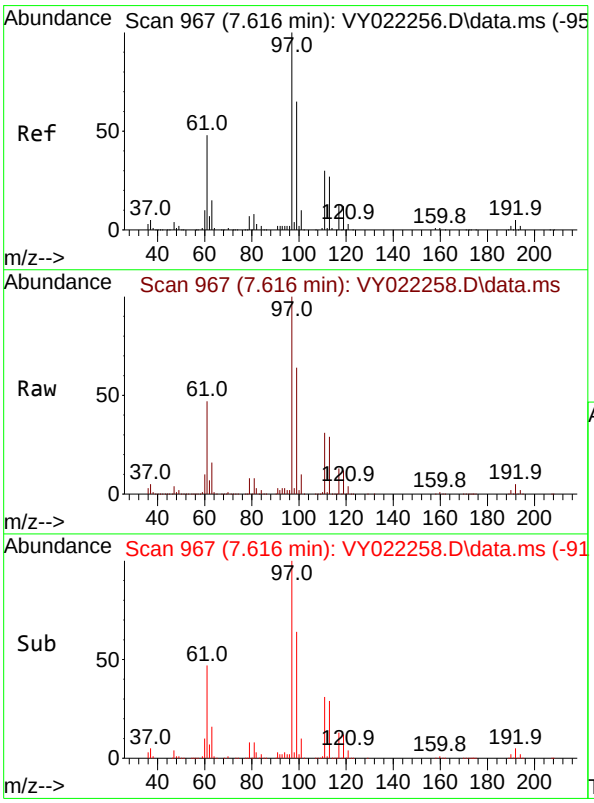
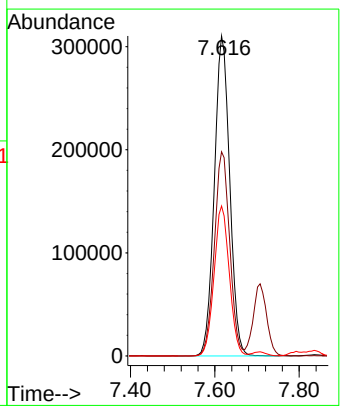
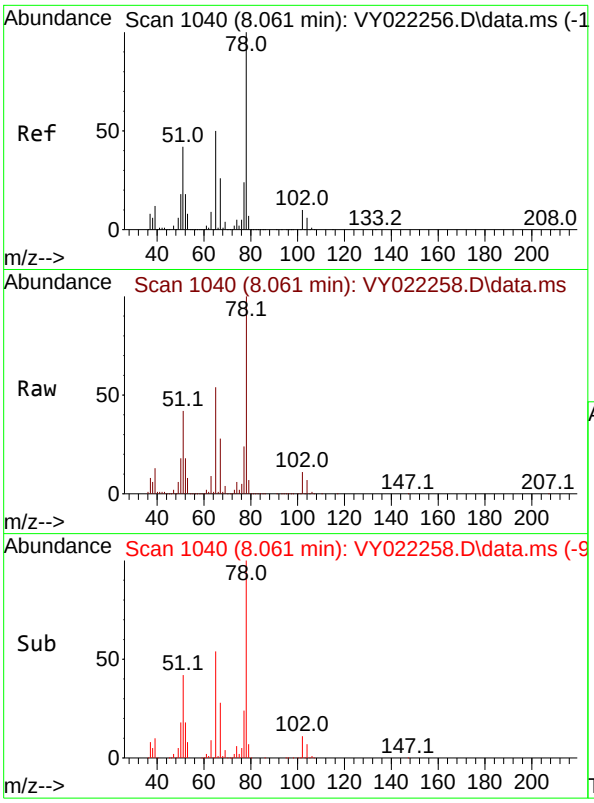


#32
1,1,1-Trichloroethane
Concen: 148.554 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 97 Resp: 784014

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	46.7	38.1	57.1

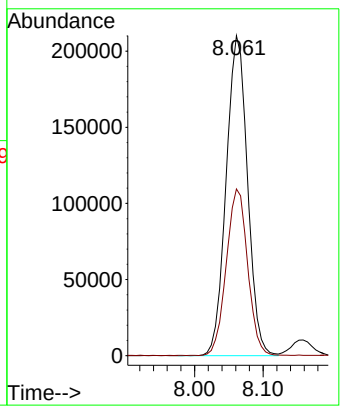




#33
1,2-Dichloroethane-d4
Concen: 153.739 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 65 Resp: 45538

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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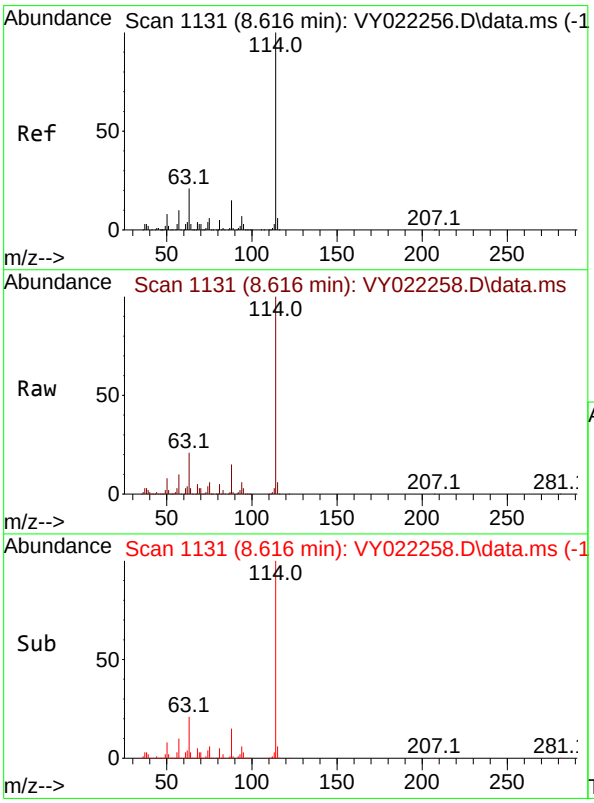
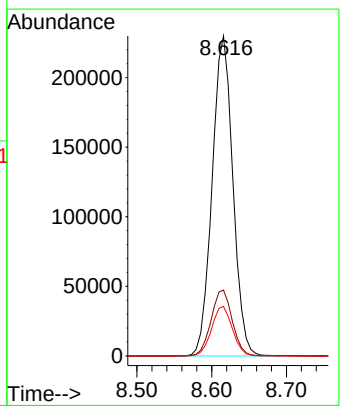
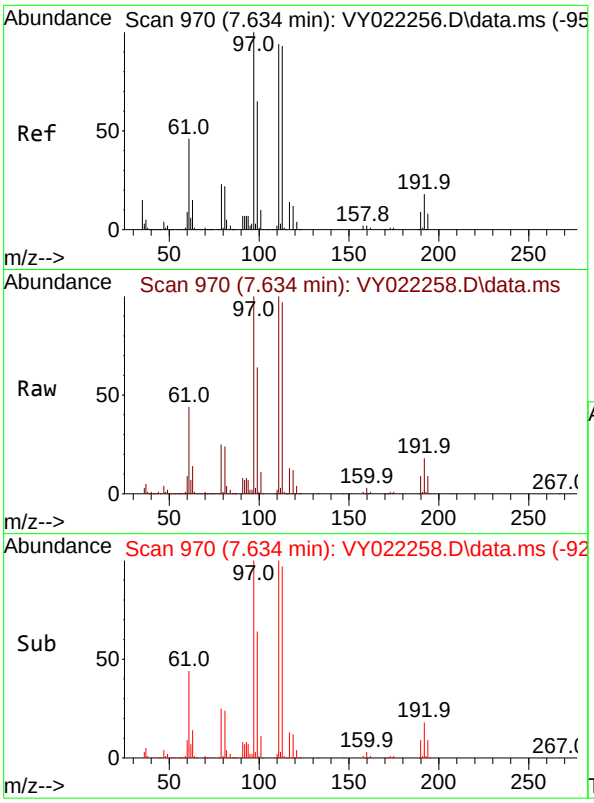


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:114 Resp: 442917

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.5	0.0	29.4

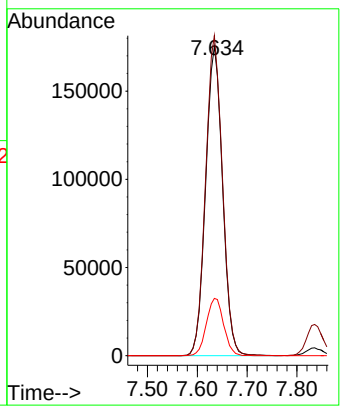




#35
Dibromofluoromethane
Concen: 155.969 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:113 Resp: 41231

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.9	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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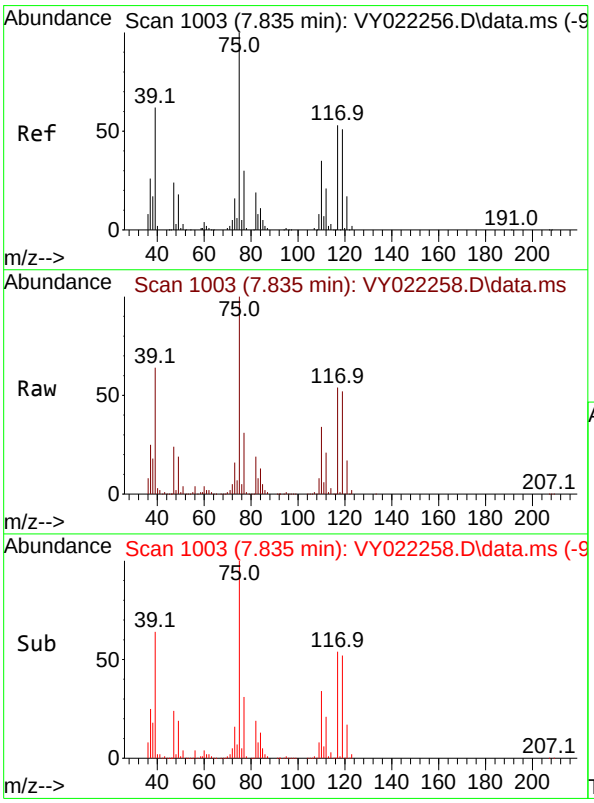
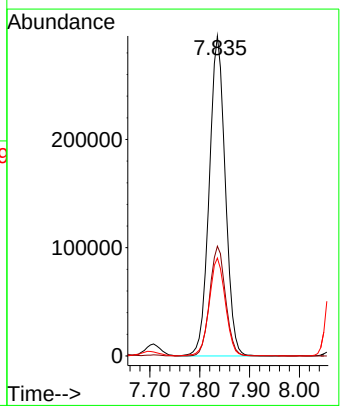
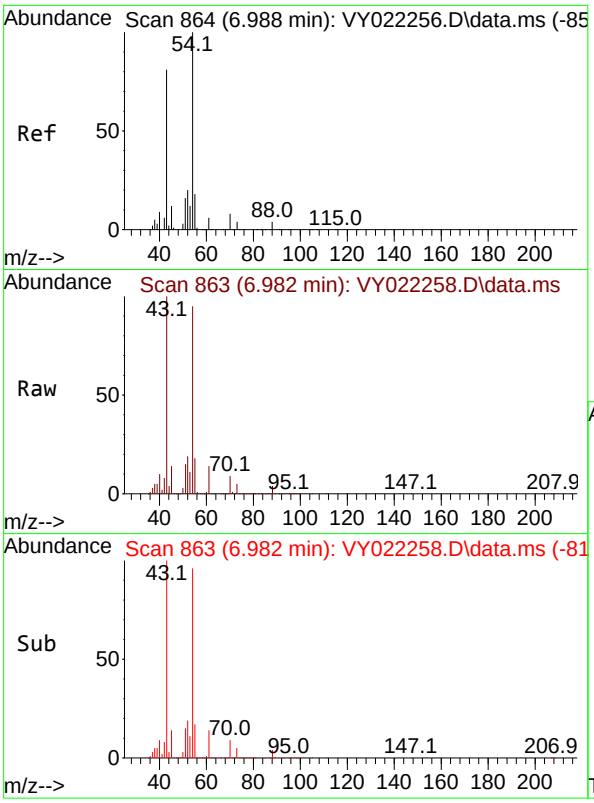


#36
1,1-Dichloropropene
Concen: 151.316 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 658871

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.6	49.8
77	30.7	24.6	37.0





#37
Ethyl Acetate
Concen: 153.067 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 32068

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.3	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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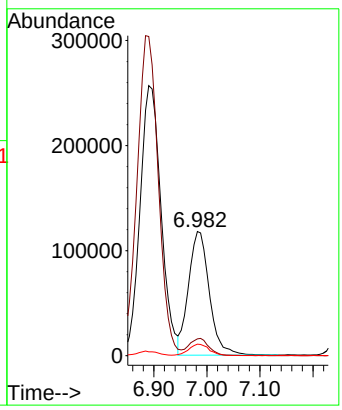
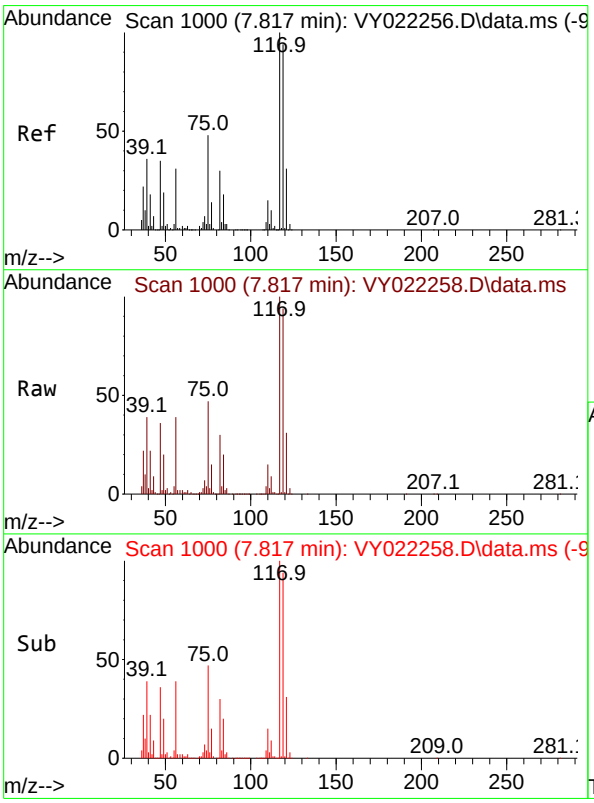
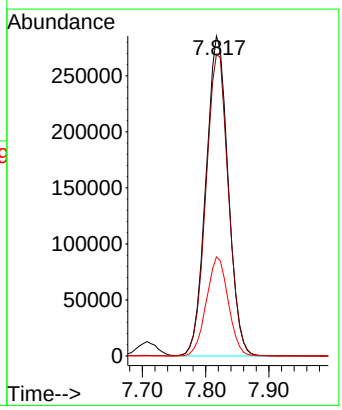


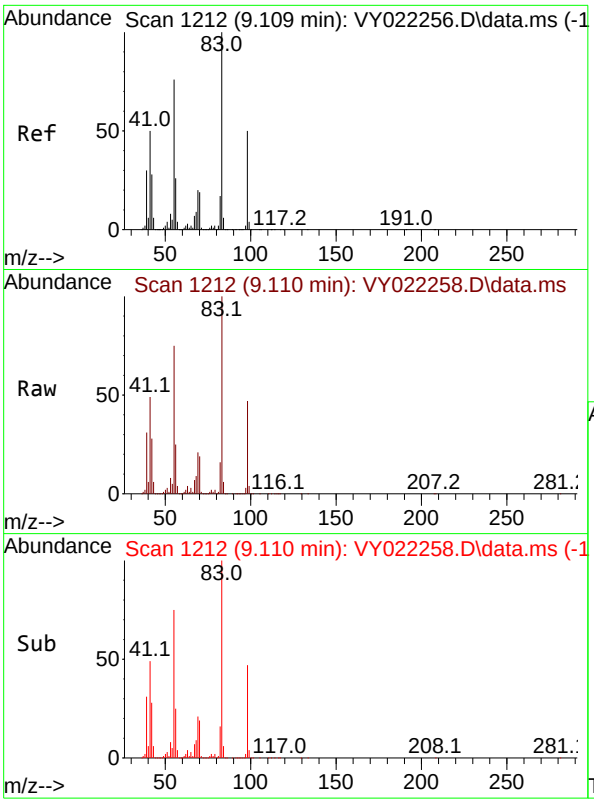


#38
Carbon Tetrachloride
Concen: 154.450 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 696139

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.3	112.9
121	30.9	24.7	37.1

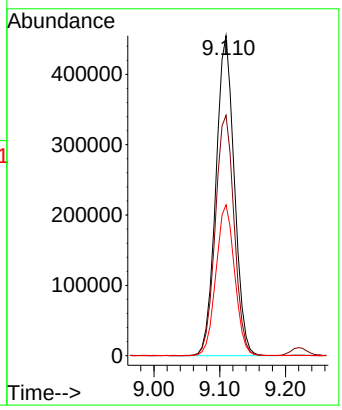




#39
Methylcyclohexane
Concen: 151.510 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 88632

Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.6	90.8
98	47.2	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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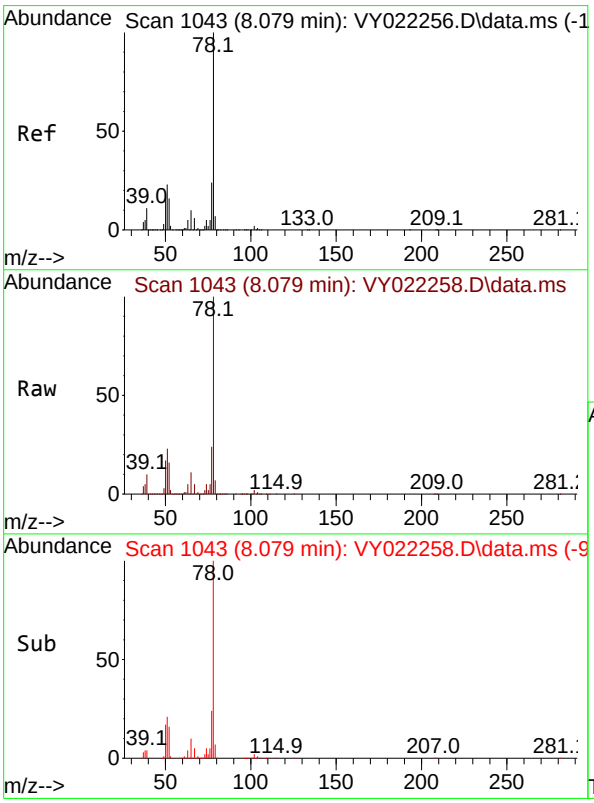
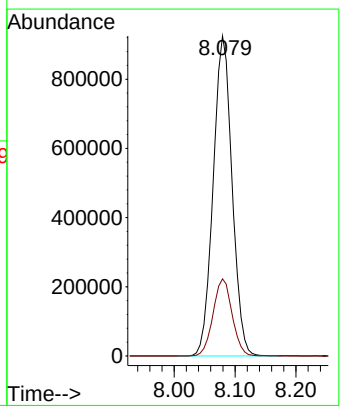
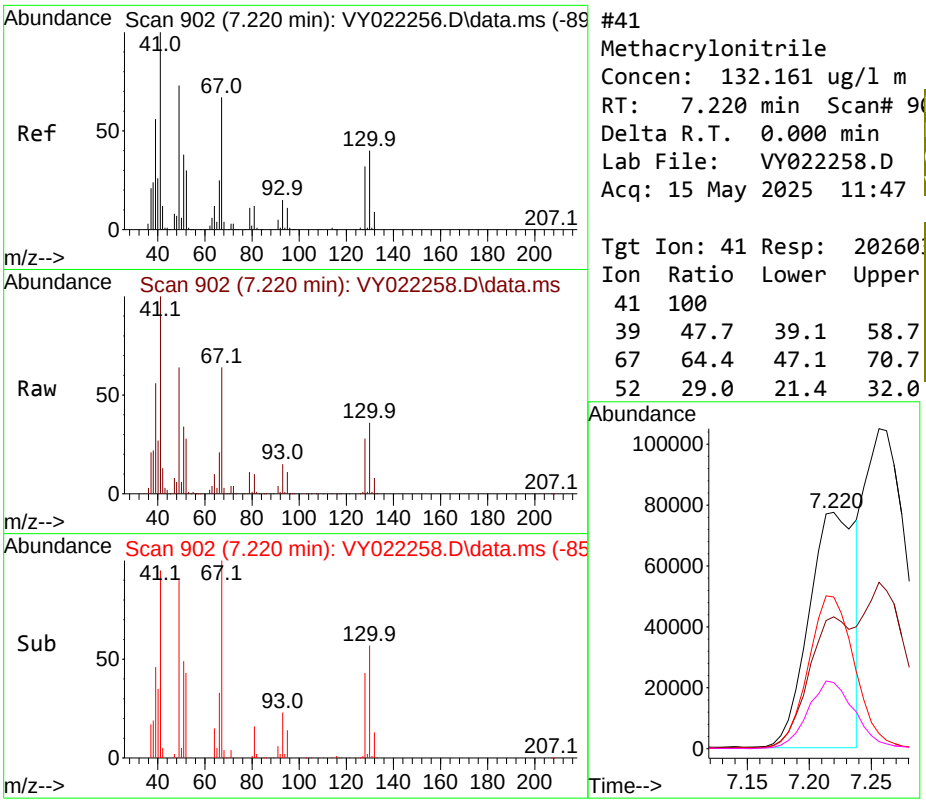


#40
Benzene
Concen: 153.973 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 78 Resp: 1987535

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





#41
Methacrylonitrile
Concen: 132.161 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 20260

Ion	Ratio	Lower	Upper
41	100		
39	47.7	39.1	58.7
67	64.4	47.1	70.7
52	29.0	21.4	32.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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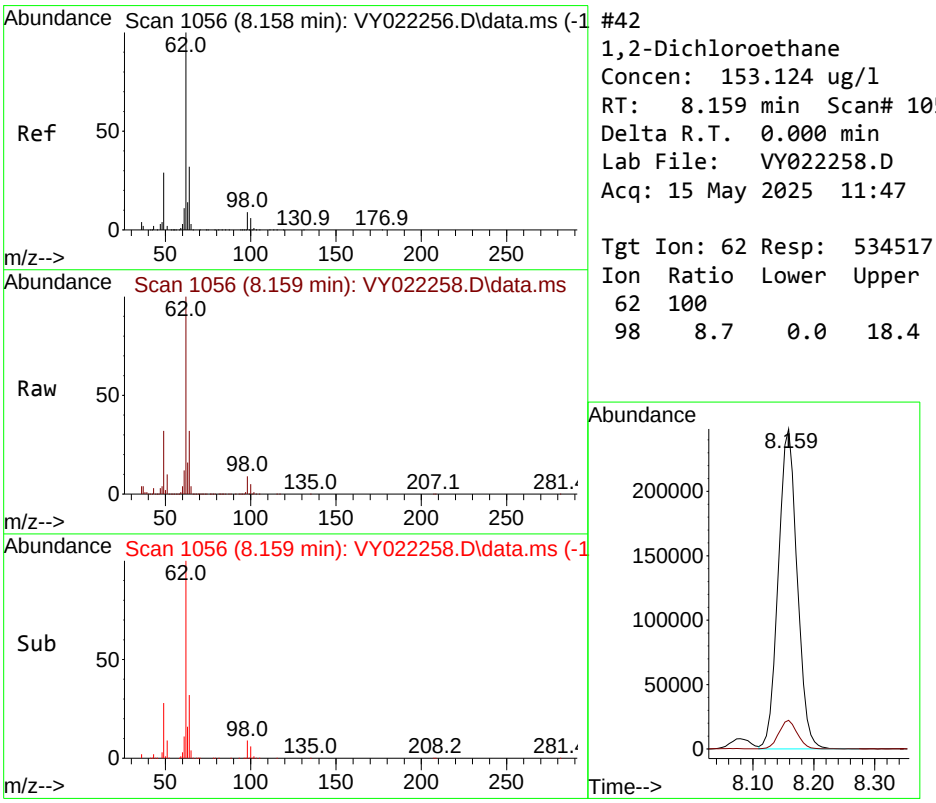
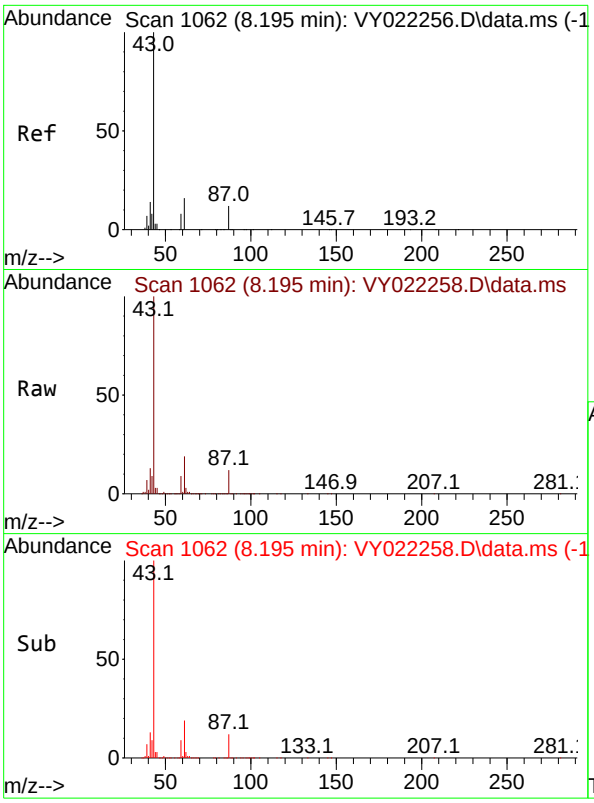


#42
1,2-Dichloroethane
Concen: 153.124 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 534517

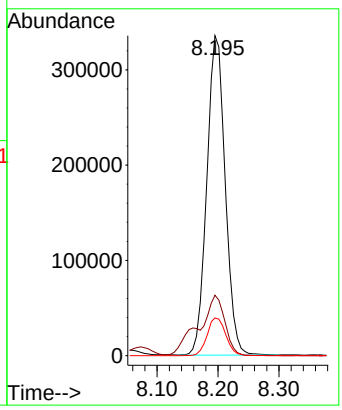
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4



#43
Isopropyl Acetate
Concen: 154.159 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 70436

Ion	Ratio	Lower	Upper
43	100		
61	27.0	15.1	22.7#
87	12.0	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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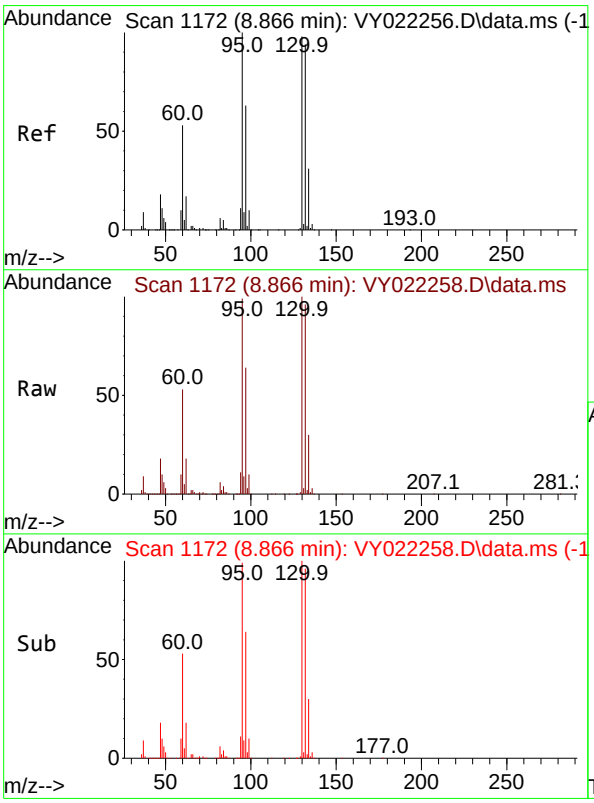
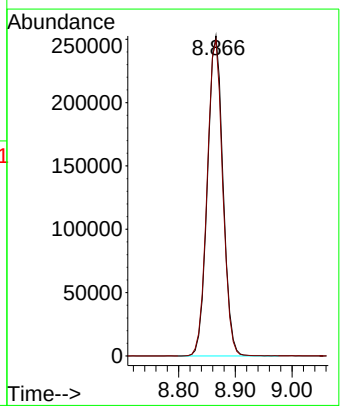
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

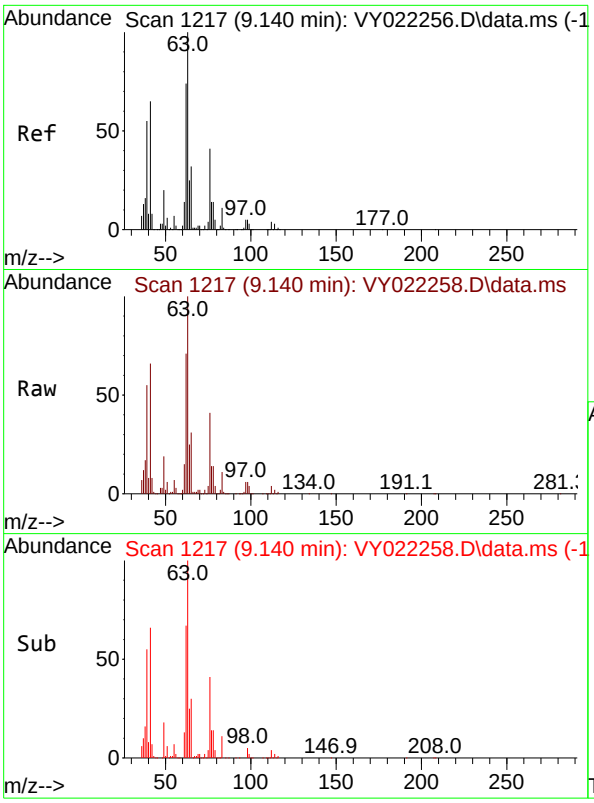


#44
Trichloroethene
Concen: 150.171 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:130 Resp: 481990

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	204.8

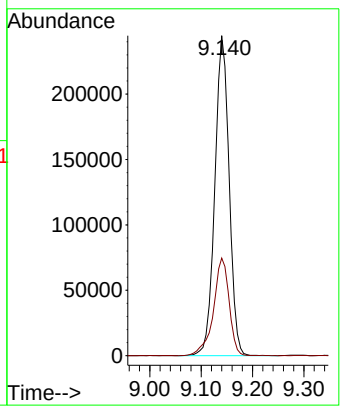




#45
1,2-Dichloropropane
Concen: 151.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 47221

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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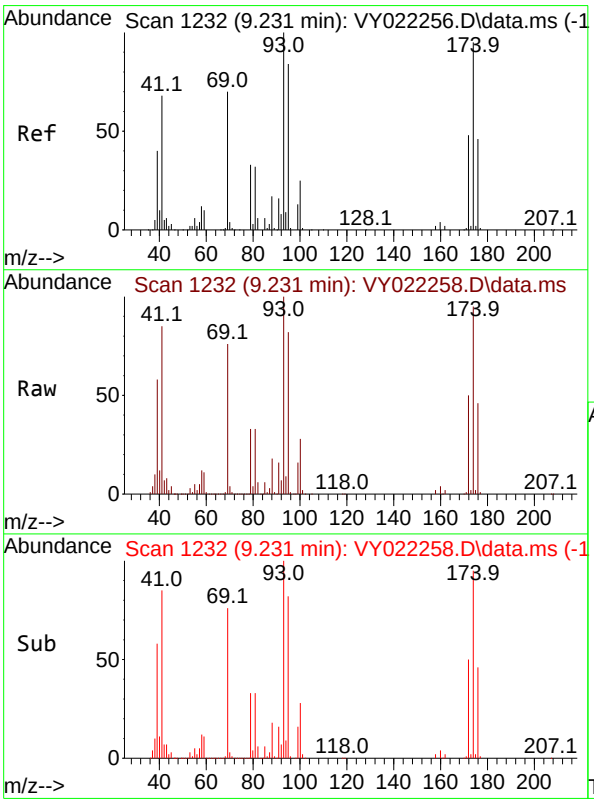
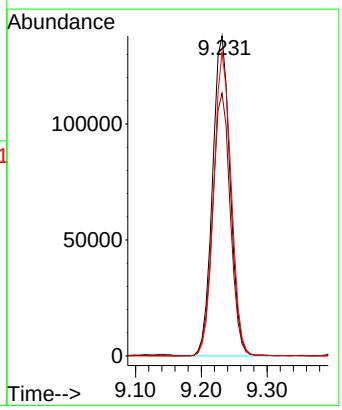
Supervised By :Semsettin Yesilyurt 05/16/2025

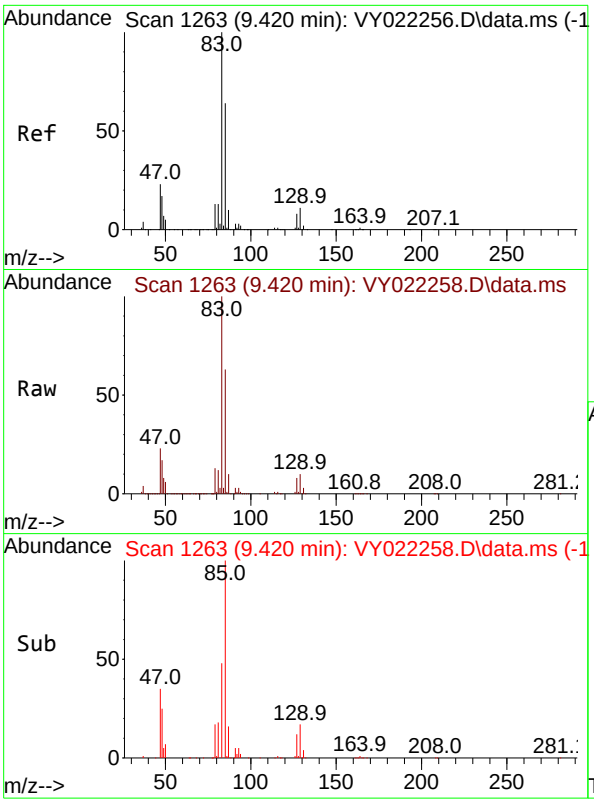


#46
Dibromomethane
Concen: 153.757 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 93 Resp: 258087

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.2	97.8
174	93.5	74.3	111.5

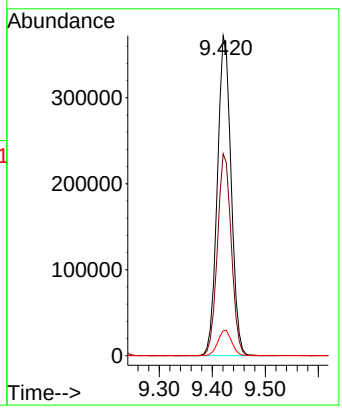




#47
Bromodichloromethane
Concen: 153.824 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 66983

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.8	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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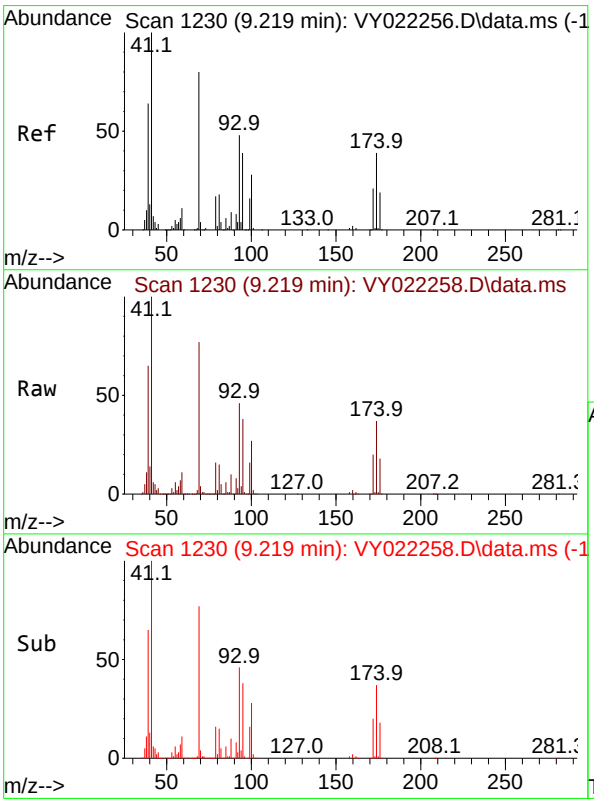
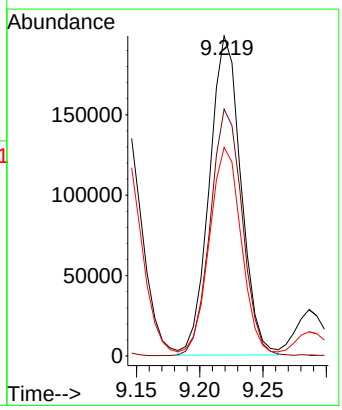
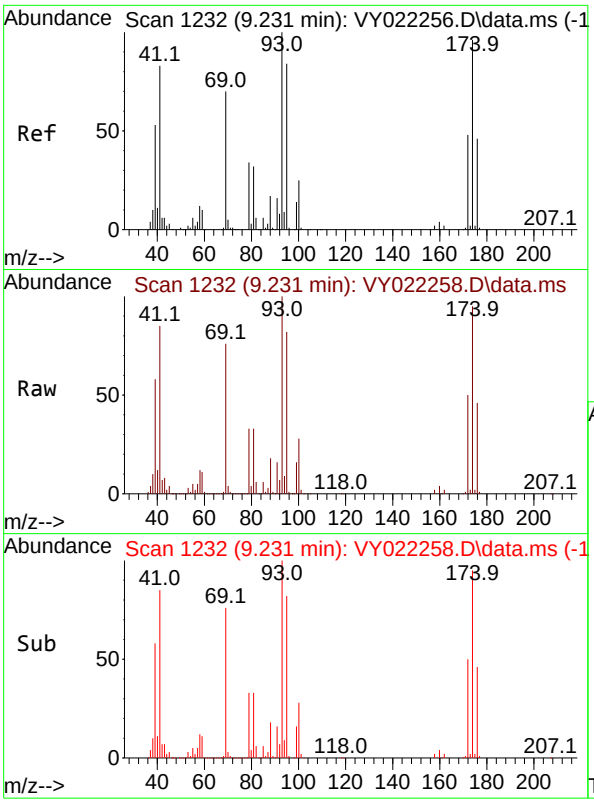


#48
Methyl methacrylate
Concen: 161.060 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 344147

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.5	95.3
39	64.1	50.8	76.2

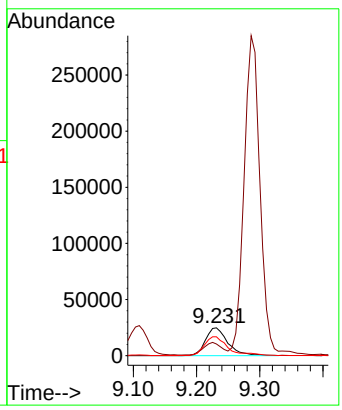




#49
1,4-Dioxane
Concen: 3217.888 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 88 Resp: 6101

Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.5	42.7
58	71.3	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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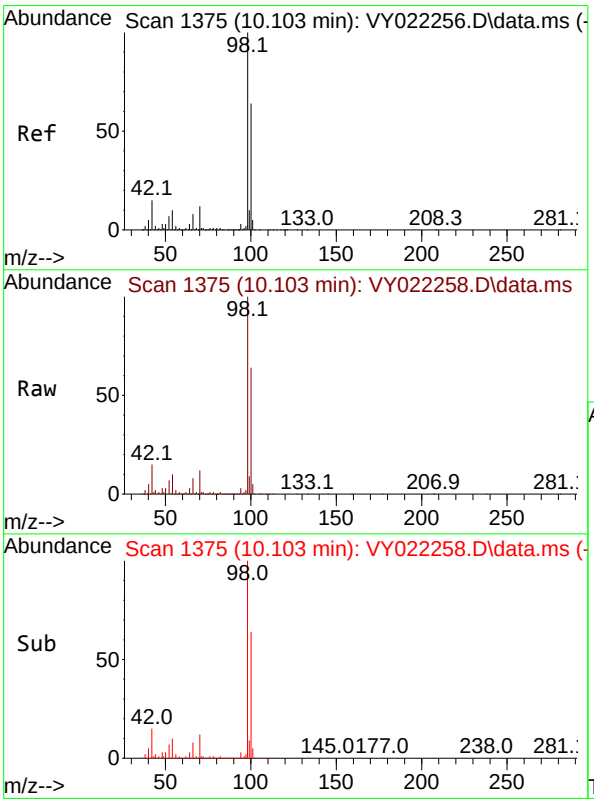
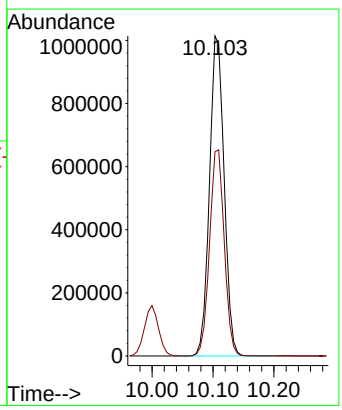
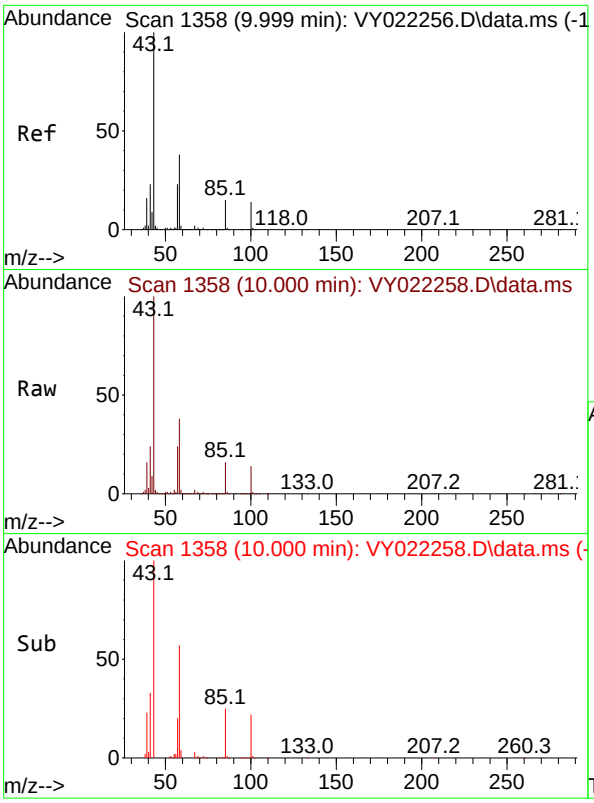


#50
Toluene-d8
Concen: 156.065 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 98 Resp: 1689714

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8

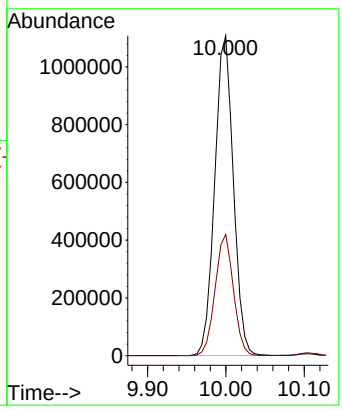




#51
4-Methyl-2-Pentanone
Concen: 815.822 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 182901

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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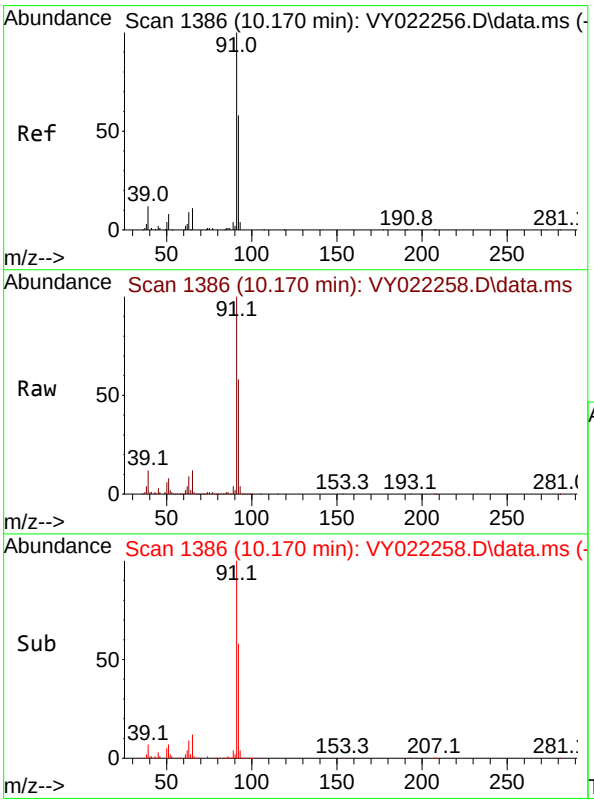
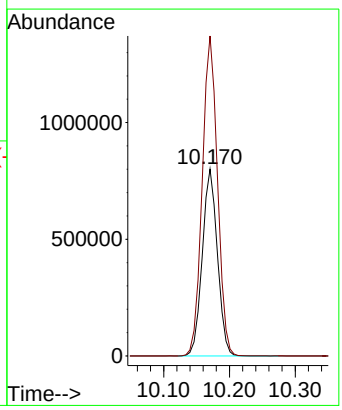
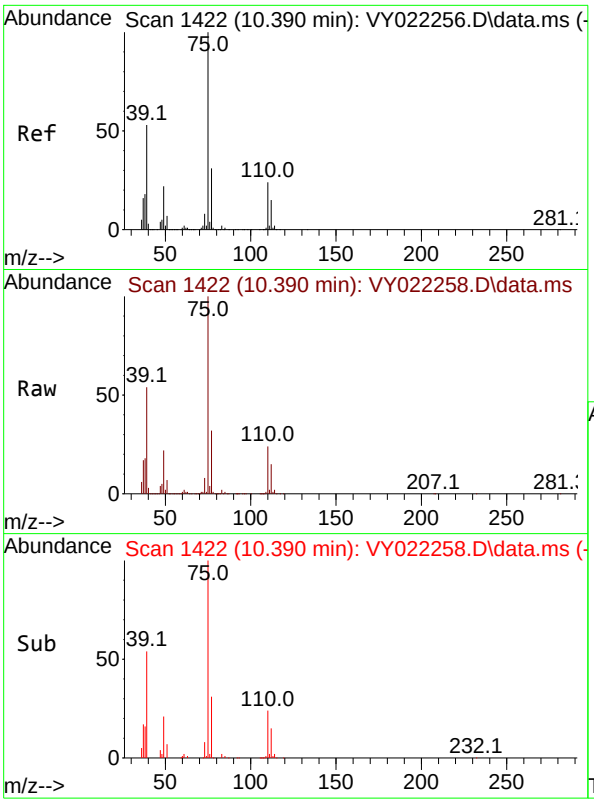


#52
Toluene
Concen: 156.216 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 92 Resp: 1276917

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.1	208.7

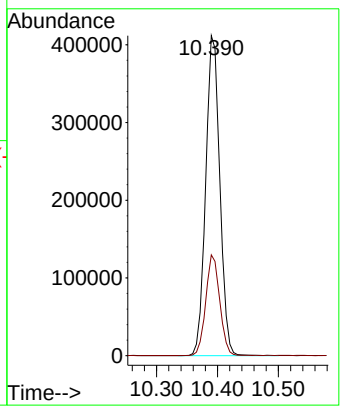




#53
t-1,3-Dichloropropene
Concen: 156.134 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 66351

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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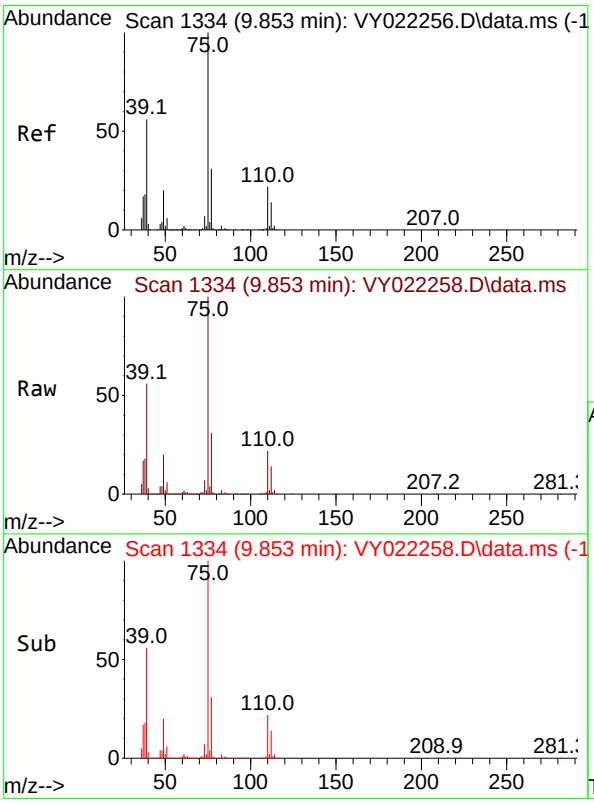
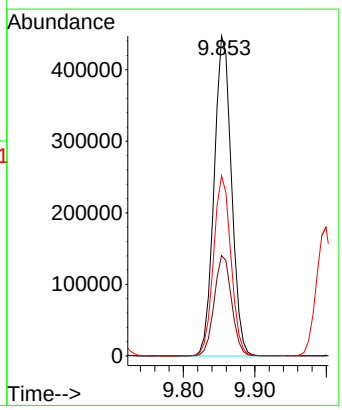
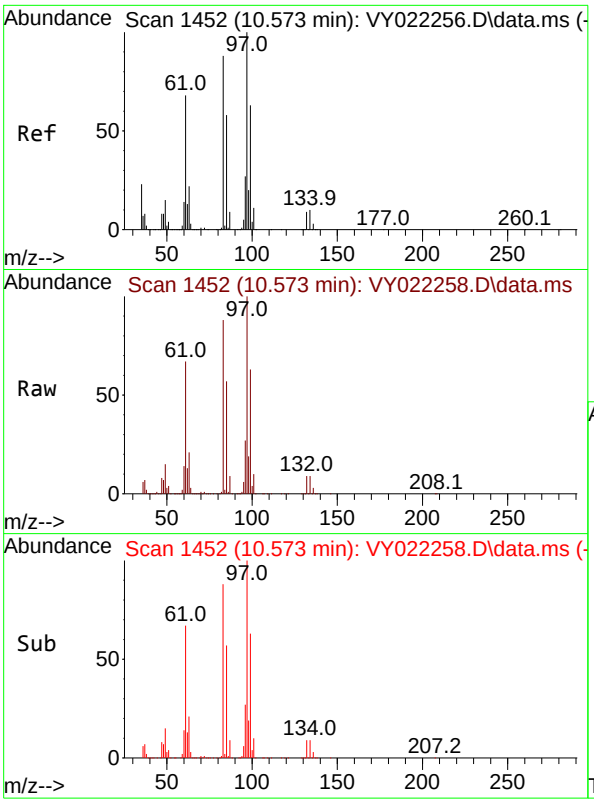


#54
cis-1,3-Dichloropropene
Concen: 154.963 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 754493

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	56.2	44.5	66.7

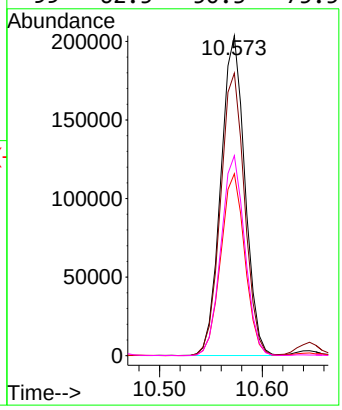




#55
1,1,2-Trichloroethane
Concen: 153.863 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 97 Resp: 33071

Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.3	105.5
85	56.8	46.2	69.4
99	62.5	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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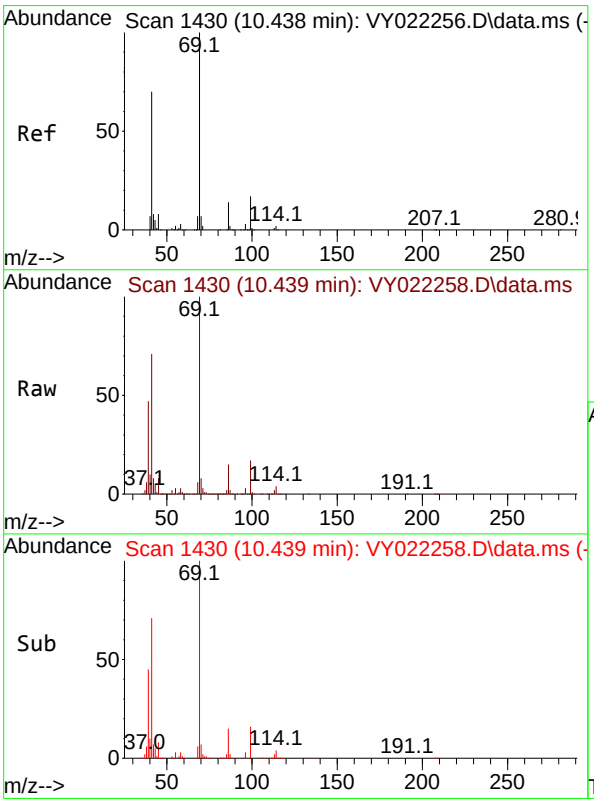
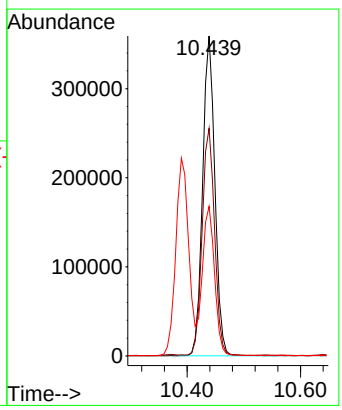
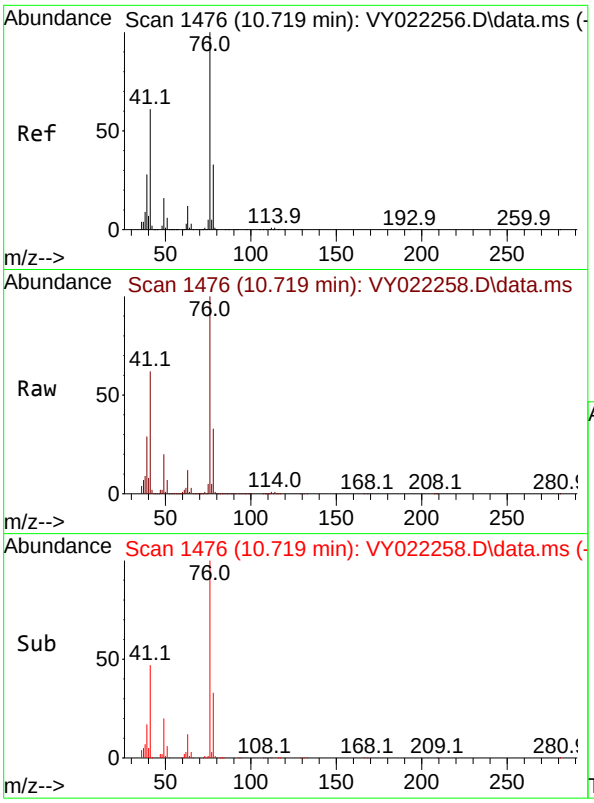


#56
Ethyl methacrylate
Concen: 160.058 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 69 Resp: 535897

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.5	84.7
39	46.8	37.1	55.7





#57
1,3-Dichloropropane
Concen: 152.987 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 76 Resp: 58425

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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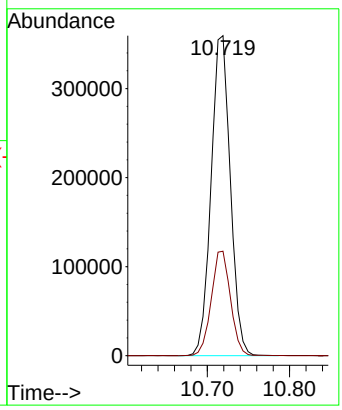
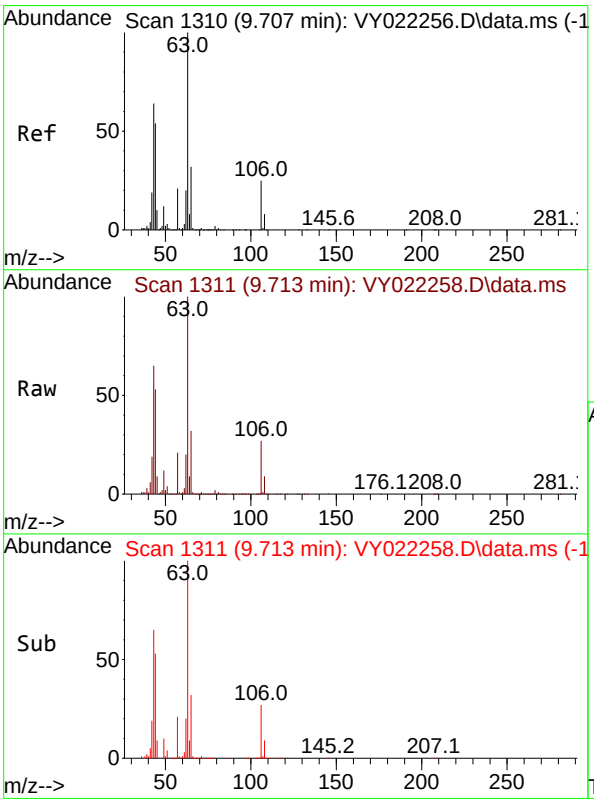
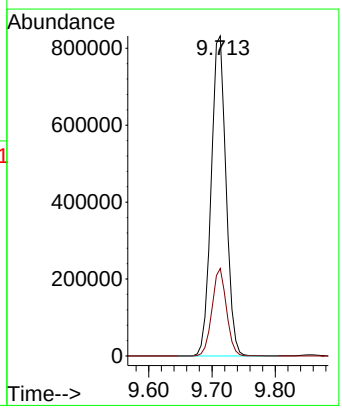


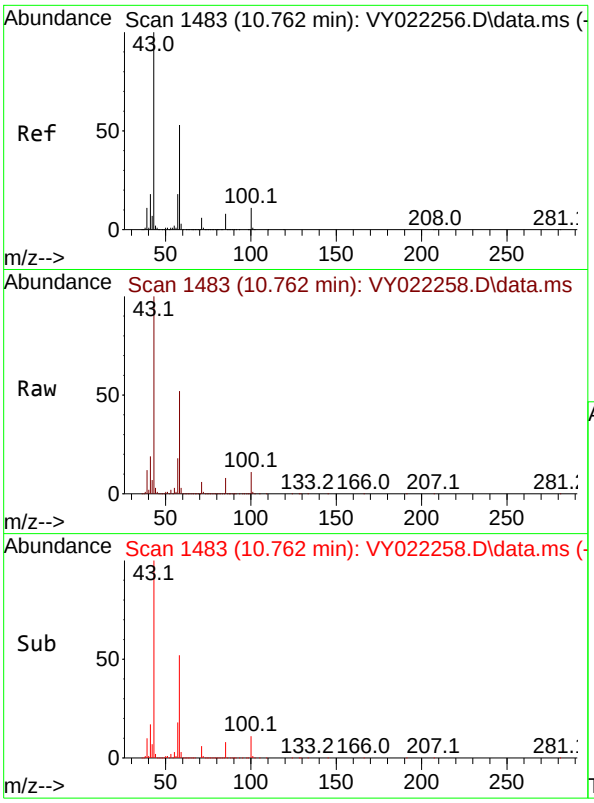


#58
2-Chloroethyl Vinyl ether
Concen: 898.675 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 1350536

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4





#59
2-Hexanone
Concen: 816.860 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 122788

Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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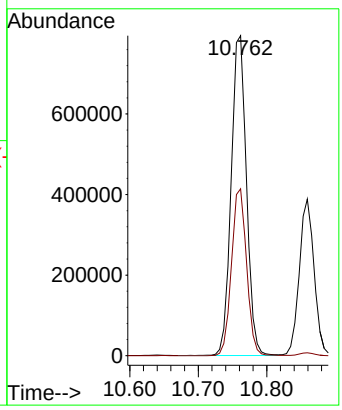
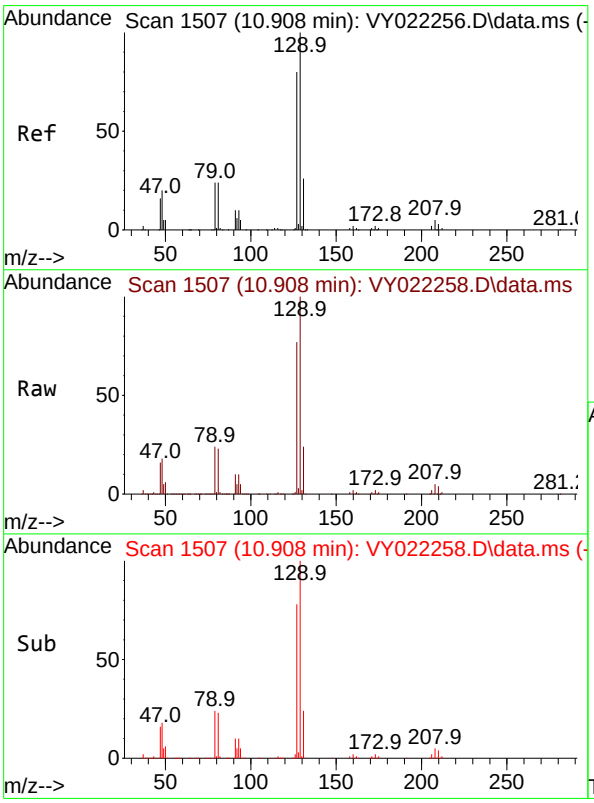
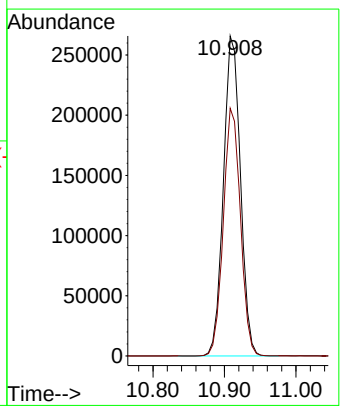


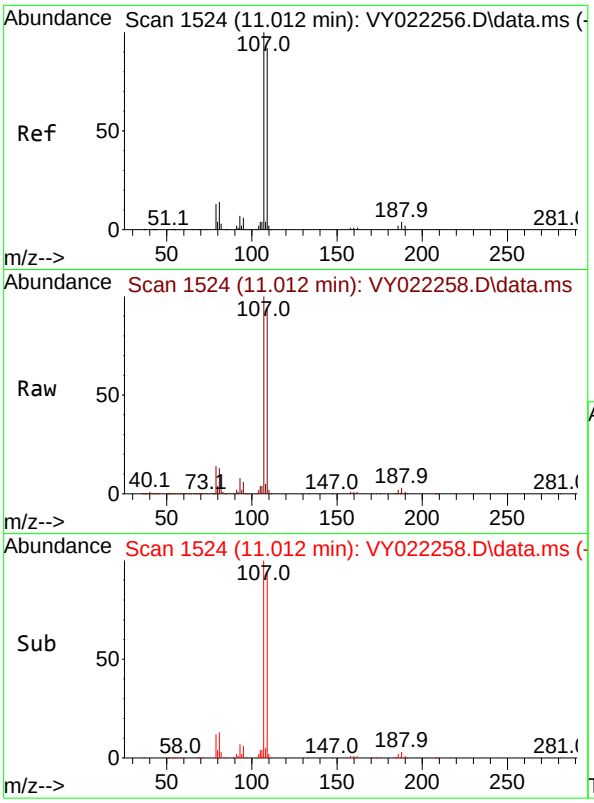


#60
Dibromochloromethane
Concen: 157.237 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:129 Resp: 438666

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7

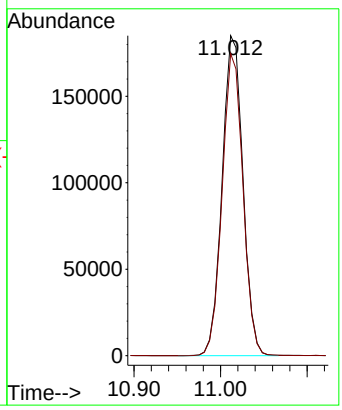




#61
1,2-Dibromoethane
Concen: 154.008 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:107 Resp: 30852

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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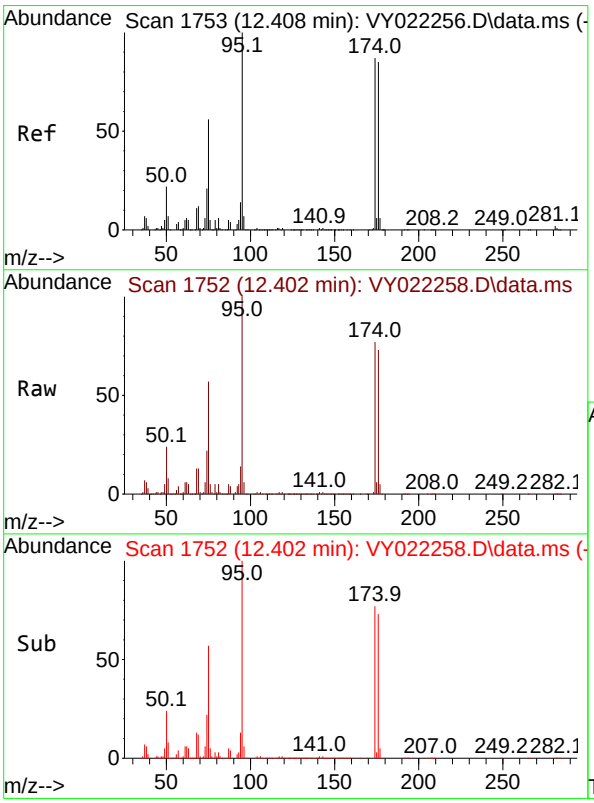
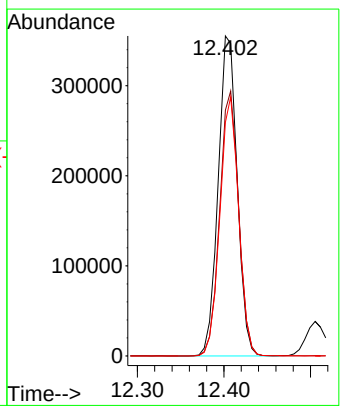
Supervised By :Semsettin Yesilyurt 05/16/2025

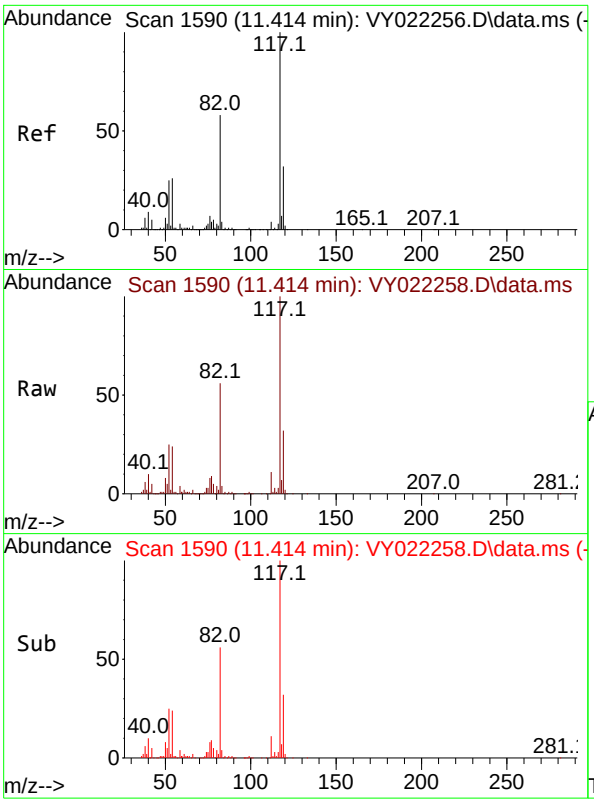


#62
4-Bromofluorobenzene
Concen: 157.751 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 95 Resp: 541367

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	166.8
176	79.8	0.0	160.8

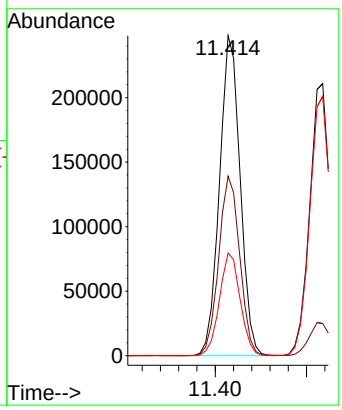




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 38976

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.6	70.0
119	32.0	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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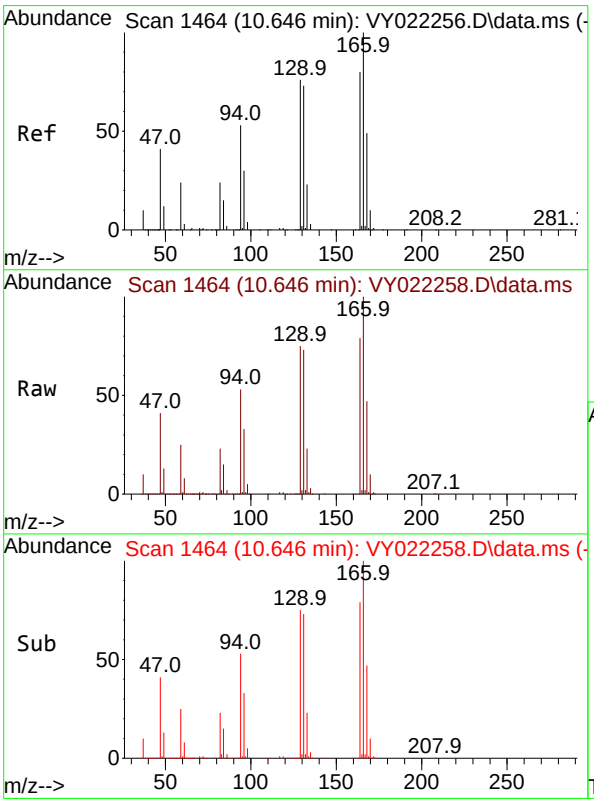
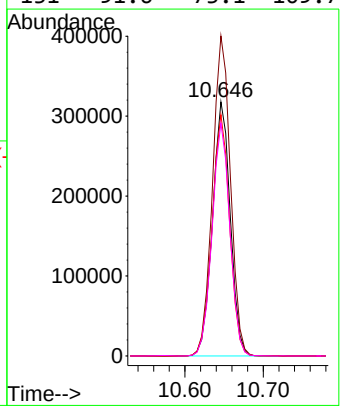
Supervised By :Semsettin Yesilyurt 05/16/2025

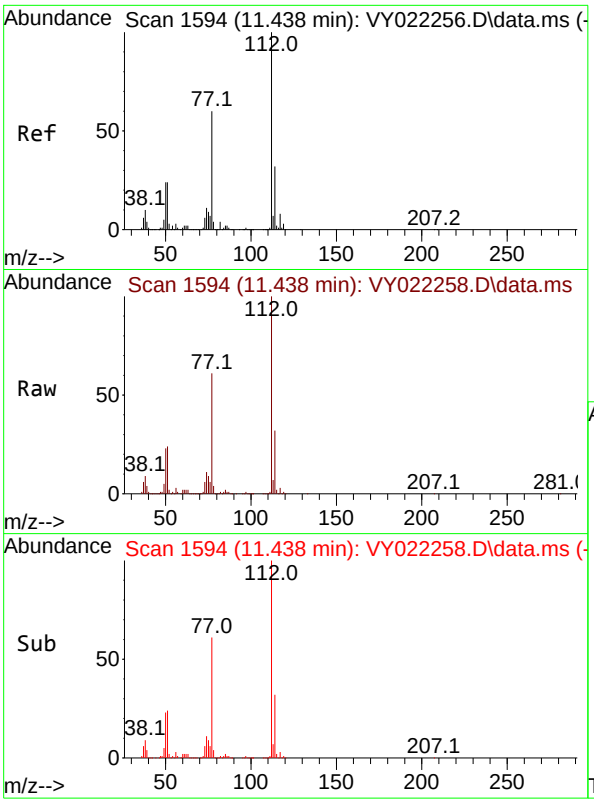


#64
Tetrachloroethene
Concen: 139.237 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:164 Resp: 501627

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	94.9	76.4	114.6
131	91.6	73.1	109.7

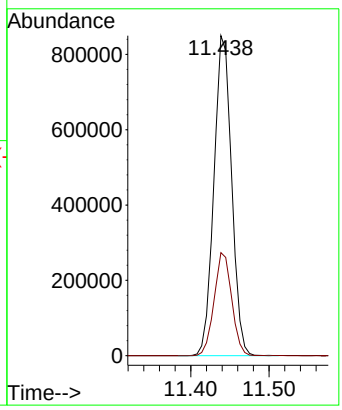




#65
Chlorobenzene
Concen: 151.997 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:112 Resp: 133659

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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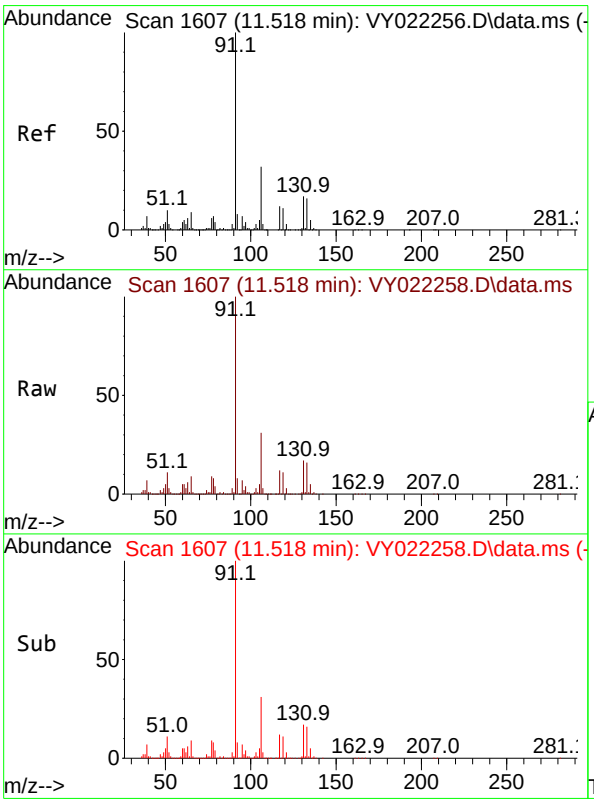
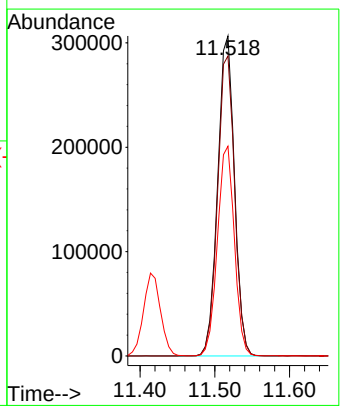
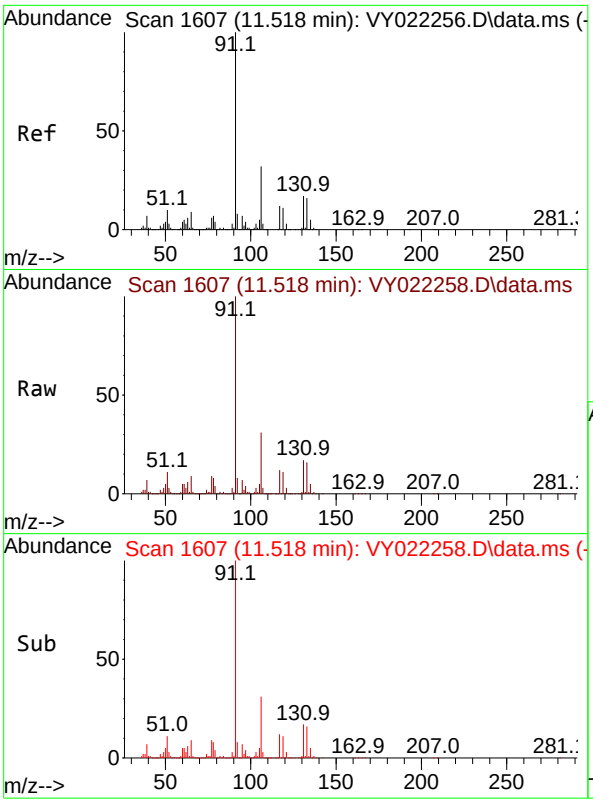


#66
1,1,1,2-Tetrachloroethane
Concen: 158.952 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:131 Resp: 480525

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	66.2	33.1	99.2

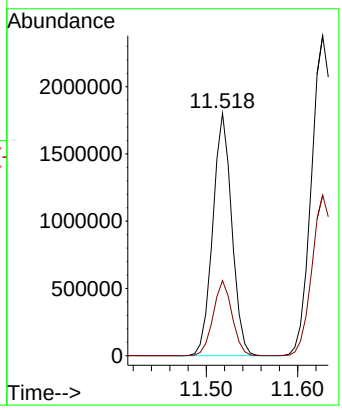




#67
Ethyl Benzene
Concen: 157.756 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 259802

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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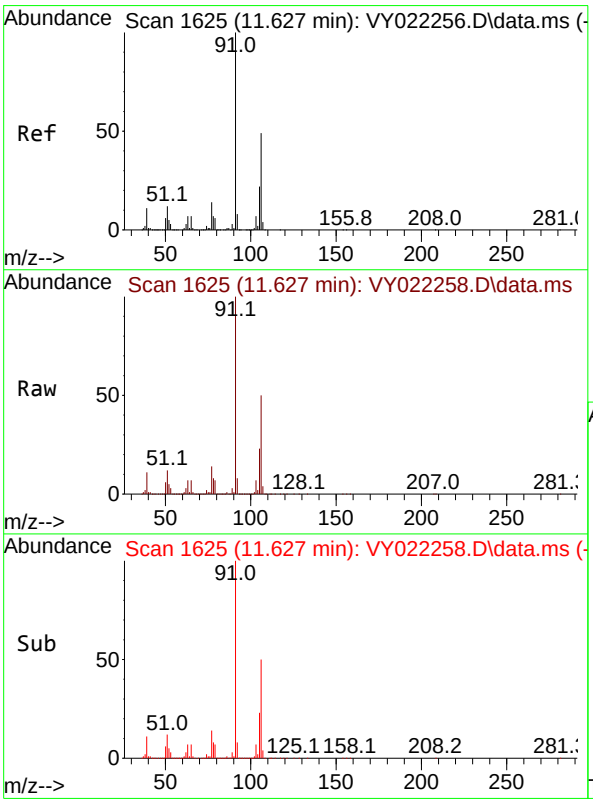
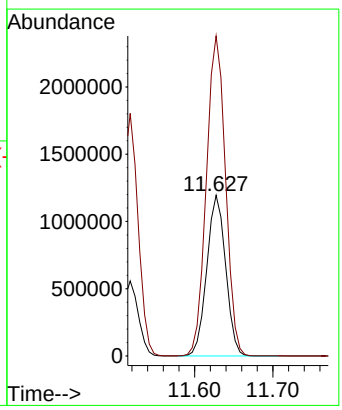
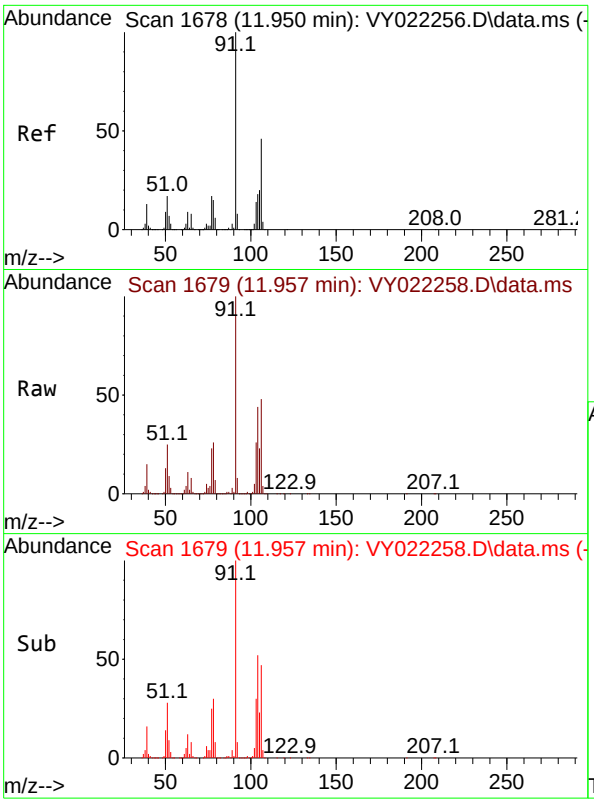


#68
m/p-Xylenes
Concen: 321.066 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:106 Resp: 1992413

Ion	Ratio	Lower	Upper
106	100		
91	202.7	163.0	244.4

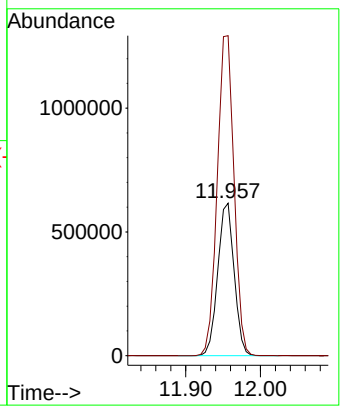




#69
o-Xylene
Concen: 159.714 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:106 Resp: 93772

Ion	Ratio	Lower	Upper
106	100		
91	214.6	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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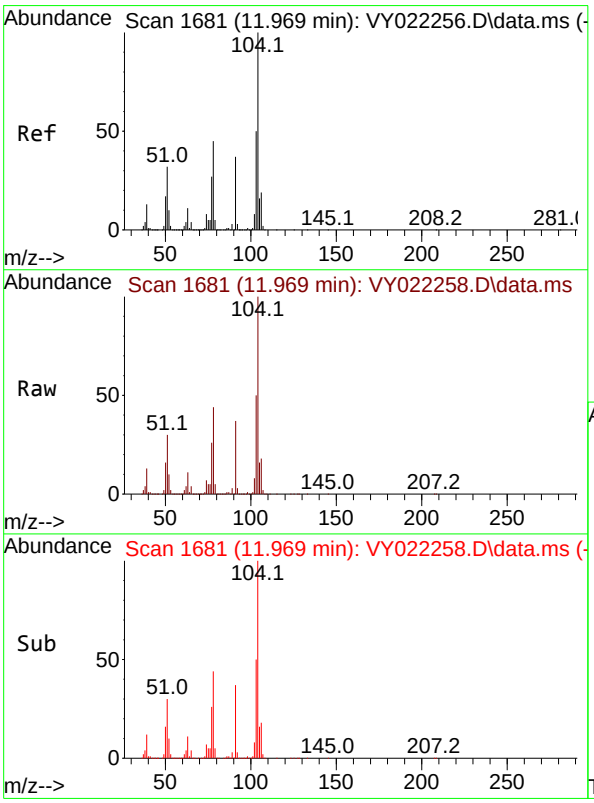
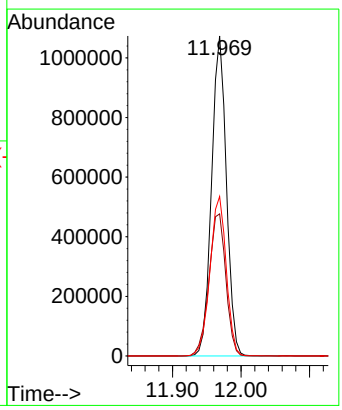
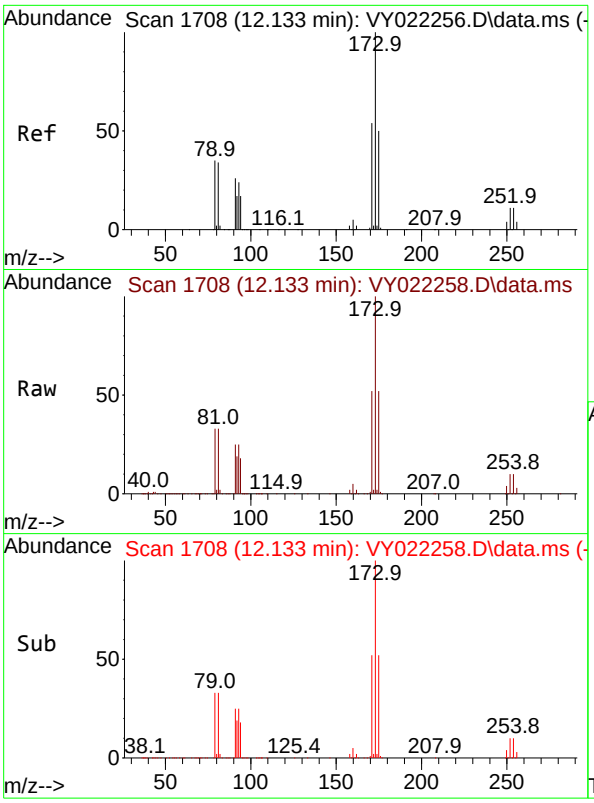


#70
Styrene
Concen: 162.944 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:104 Resp: 1613798

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.9	61.3
103	54.7	43.7	65.5

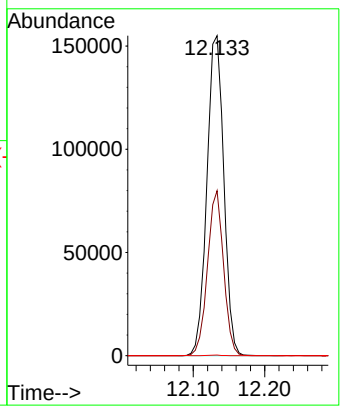




#71
Bromoform
Concen: 155.818 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:173 Resp: 25425

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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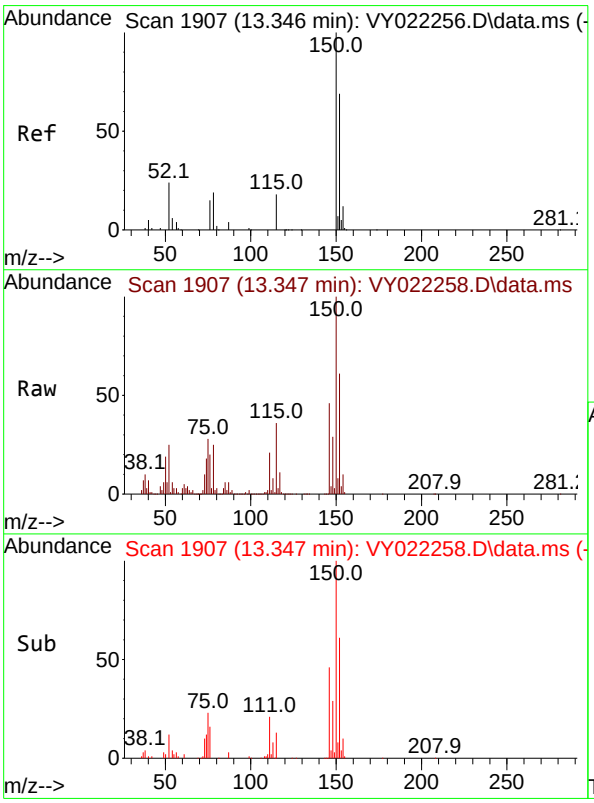
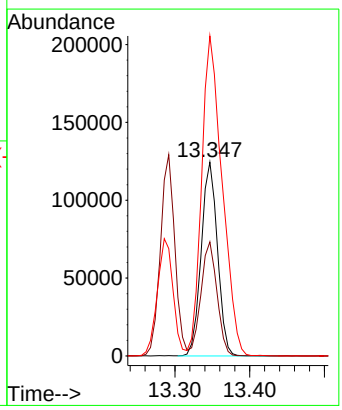
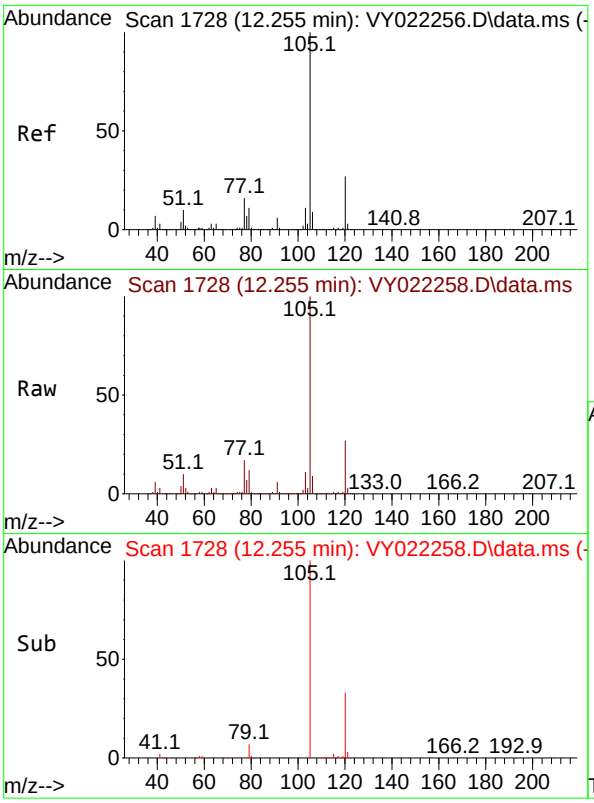


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:152 Resp: 187978

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	208.7	0.0	353.8

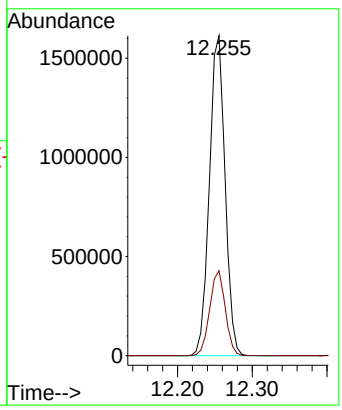




#73
Isopropylbenzene
Concen: 151.387 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 235756

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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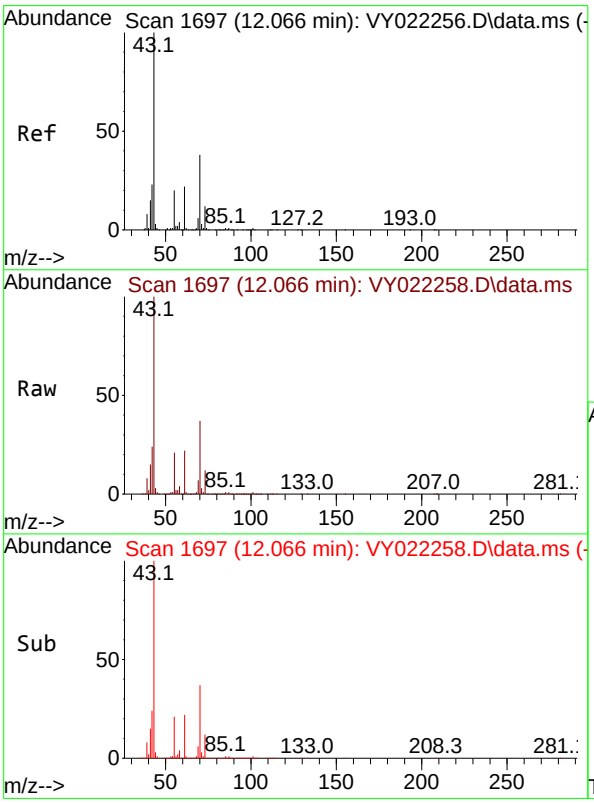
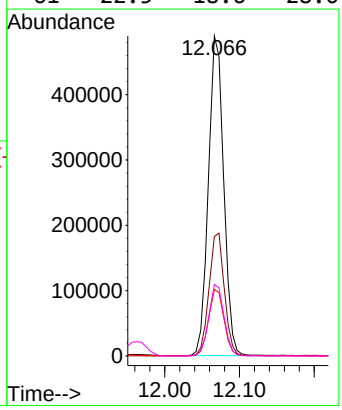
Supervised By :Semsettin Yesilyurt 05/16/2025

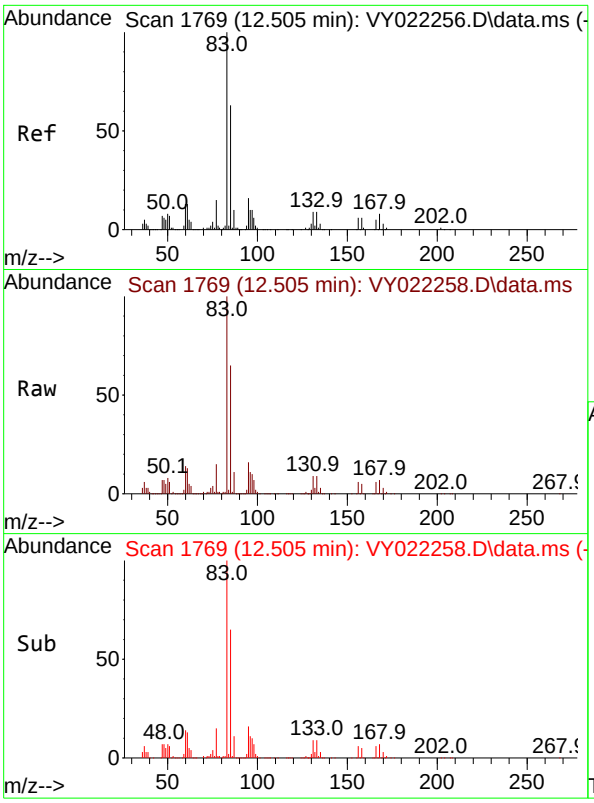


#74
N-amyl acetate
Concen: 156.041 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 694999

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.4	47.0
55	21.0	17.0	25.6
61	22.5	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 156.735 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 37537

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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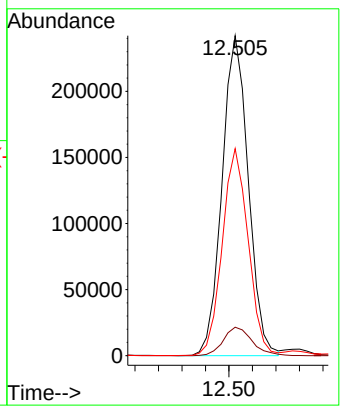
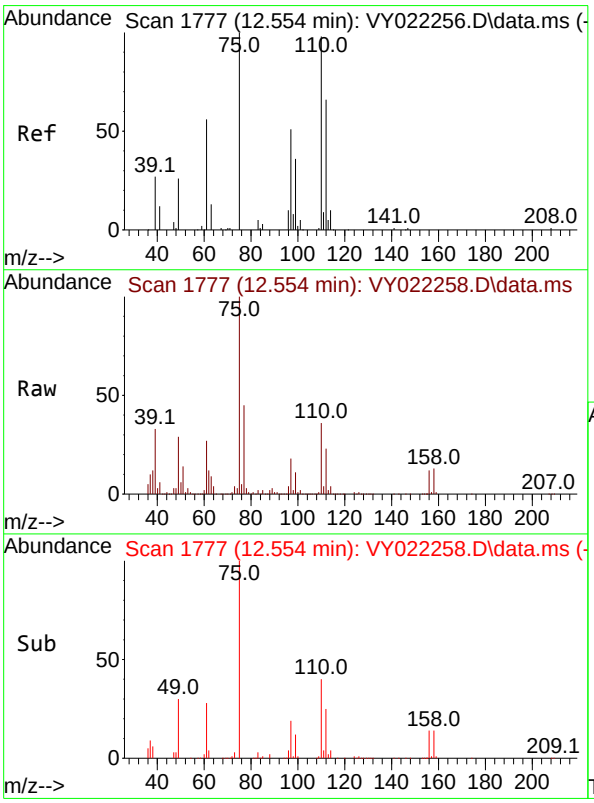
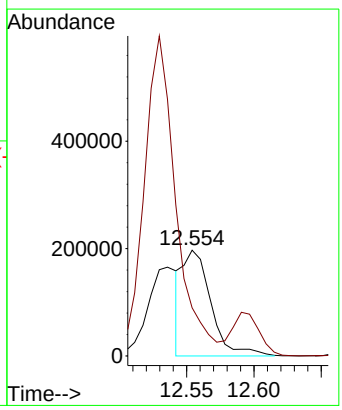


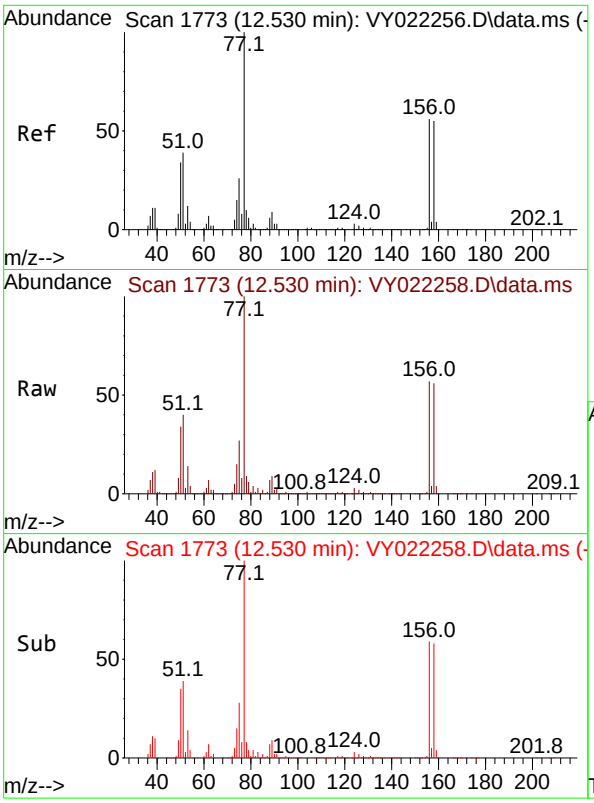


#76
1,2,3-Trichloropropane
Concen: 87.525 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 289968

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

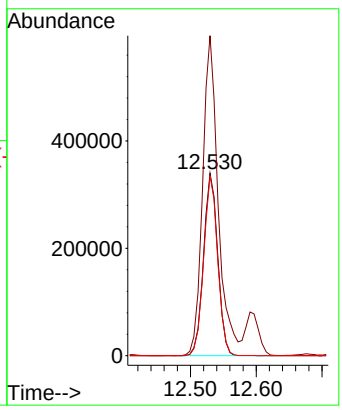




#77
Bromobenzene
Concen: 153.206 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:156 Resp: 50957

Ion	Ratio	Lower	Upper
156	100		
77	191.5	94.5	283.6
158	97.3	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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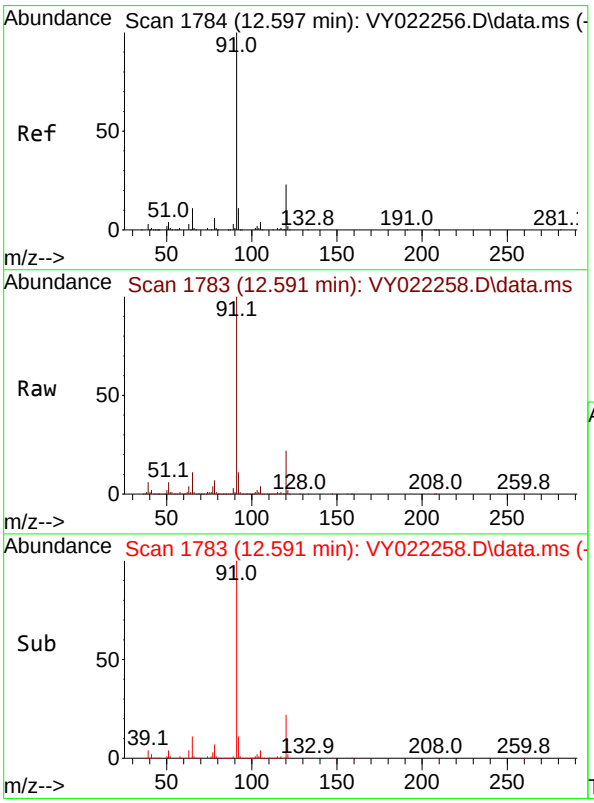
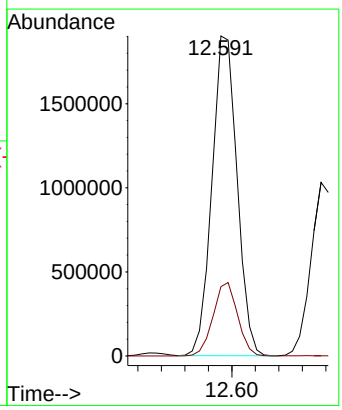
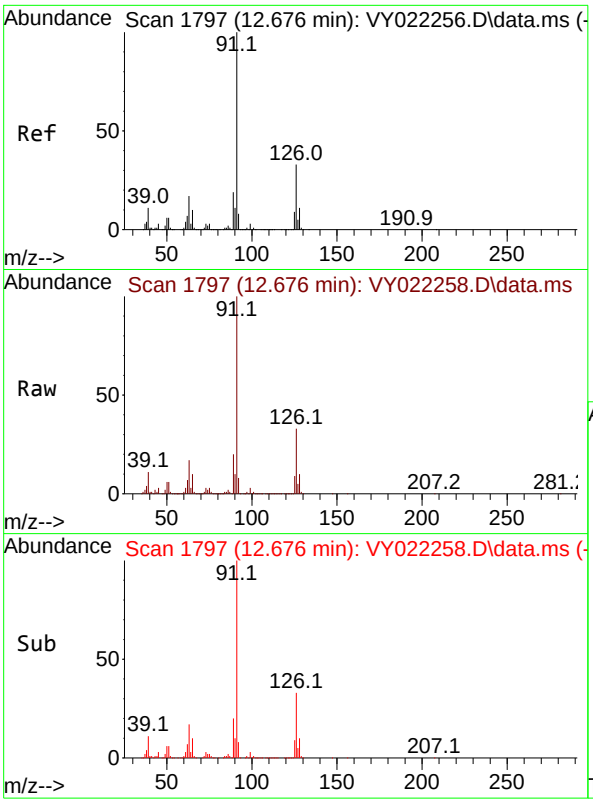


#78
n-propylbenzene
Concen: 150.276 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 2822794

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3

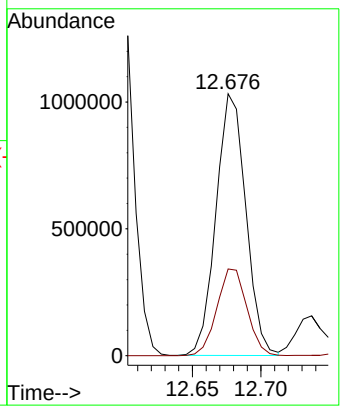




#79
2-Chlorotoluene
Concen: 151.415 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 156300

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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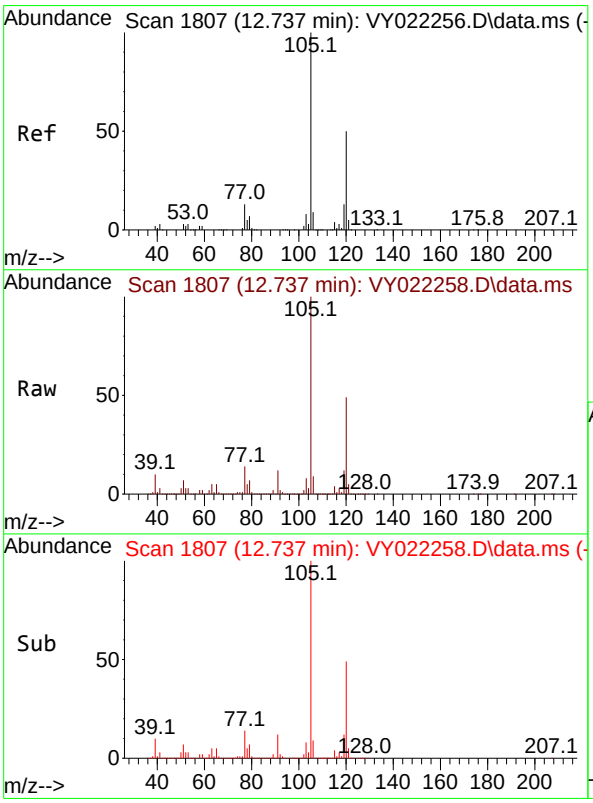
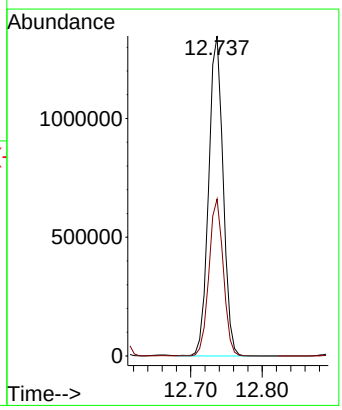
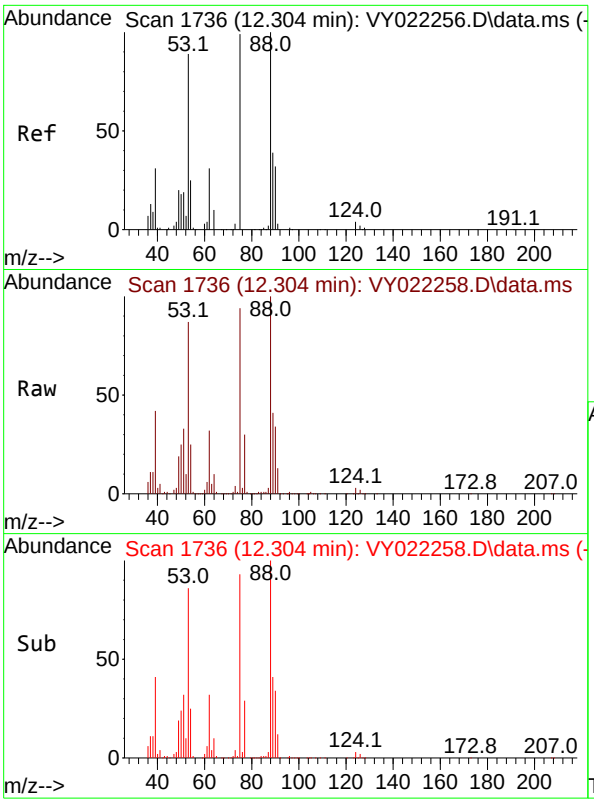


#80
1,3,5-Trimethylbenzene
Concen: 150.219 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1888432

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 148.846 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

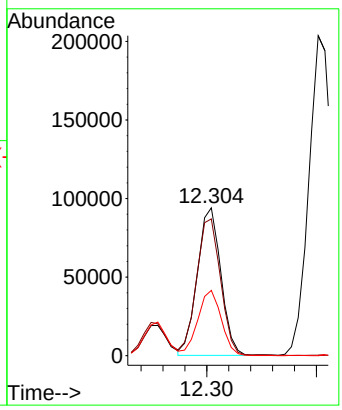
Tgt Ion: 75 Resp: 13993

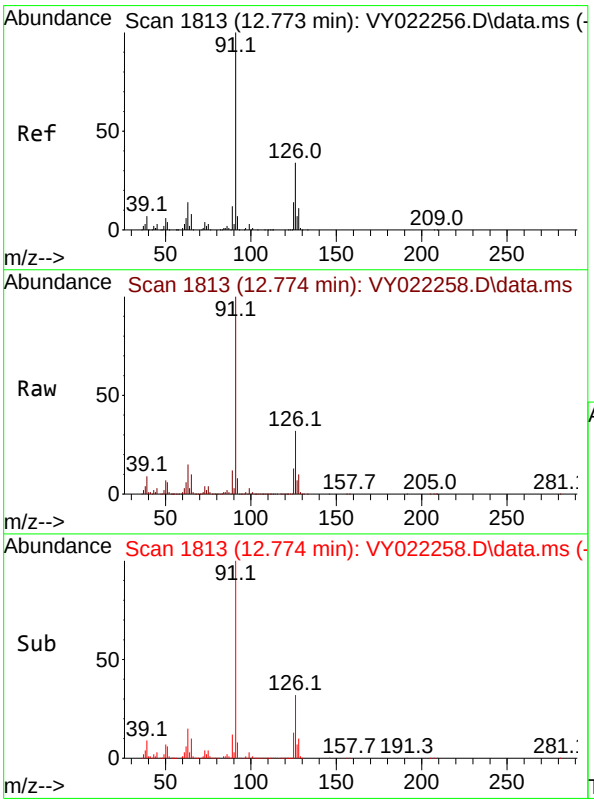
Ion	Ratio	Lower	Upper
75	100		
53	95.1	75.8	113.8
89	44.4	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

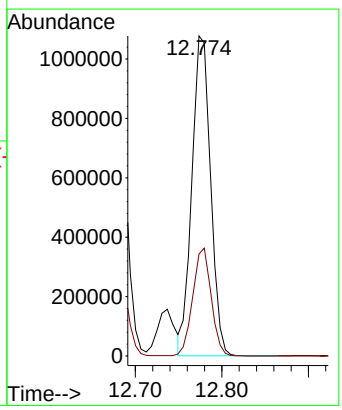


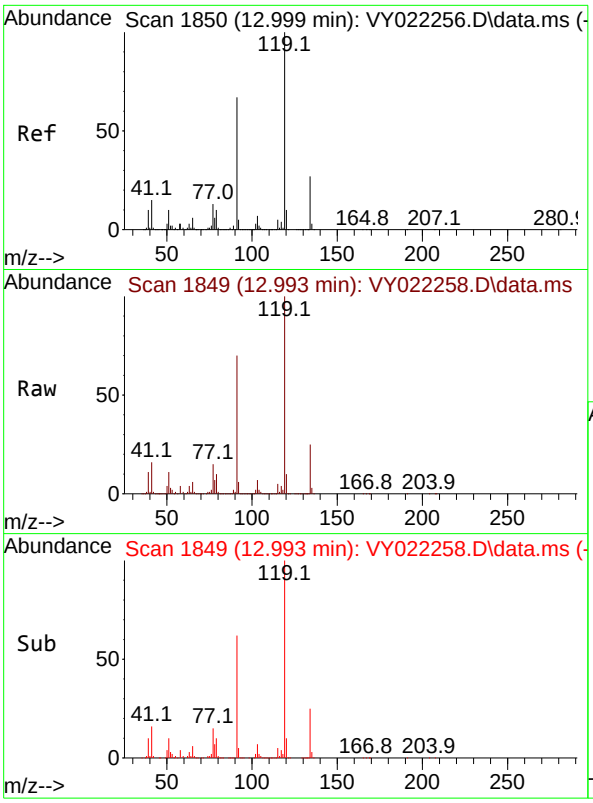


#82
4-Chlorotoluene
Concen: 152.250 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 1616520

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

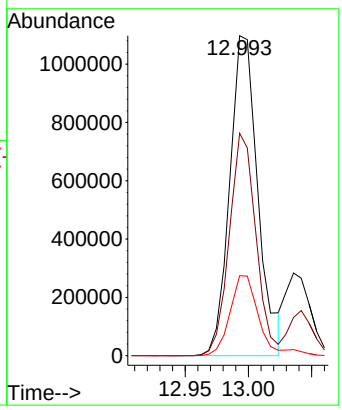




#83
tert-Butylbenzene
Concen: 152.144 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:119 Resp: 169996

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.8	98.3
134	25.9	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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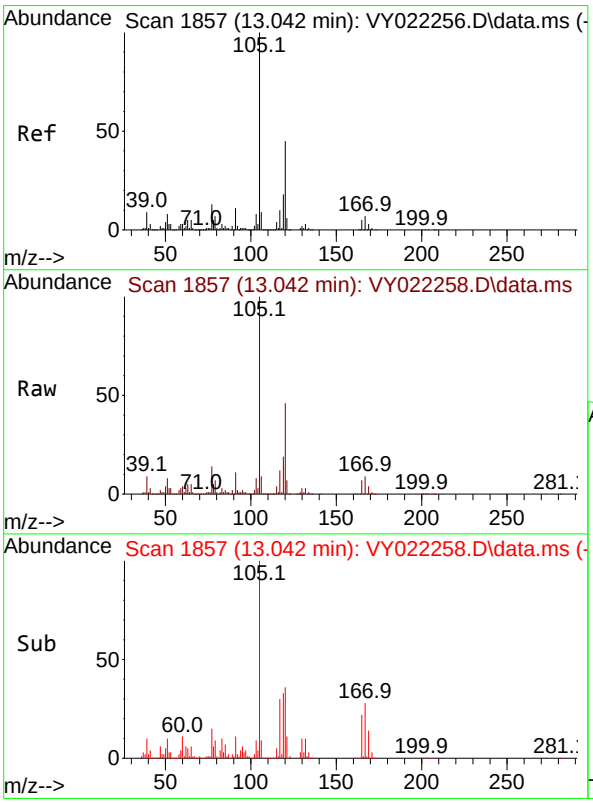
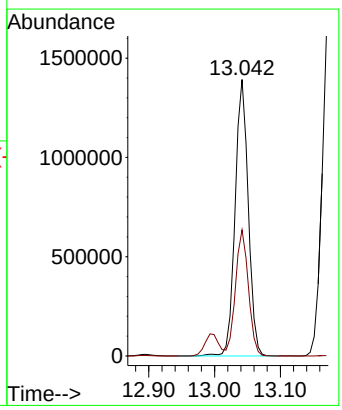
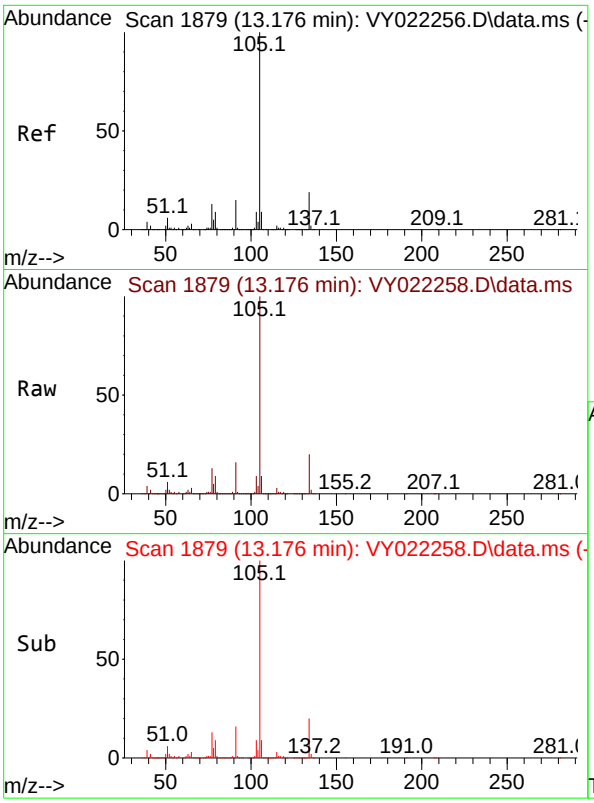


#84
1,2,4-Trimethylbenzene
Concen: 155.030 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1934641

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9

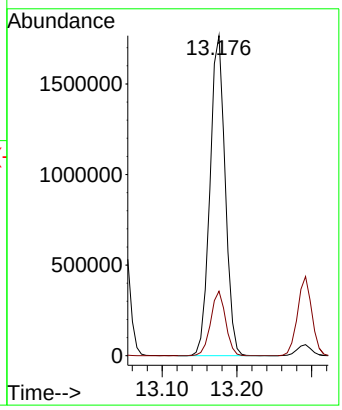




#85
sec-Butylbenzene
Concen: 150.330 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 249339

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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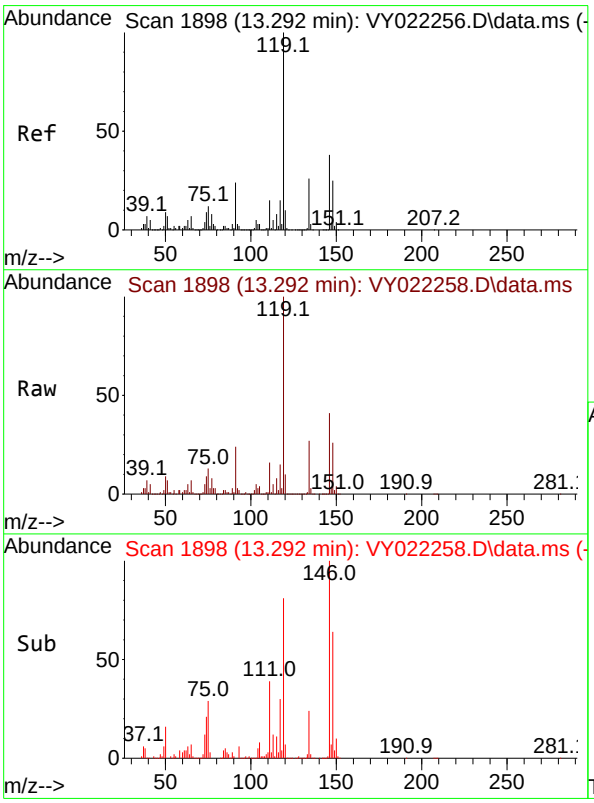
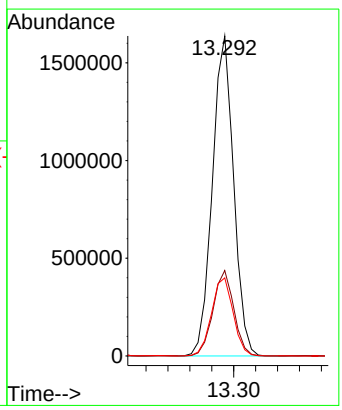
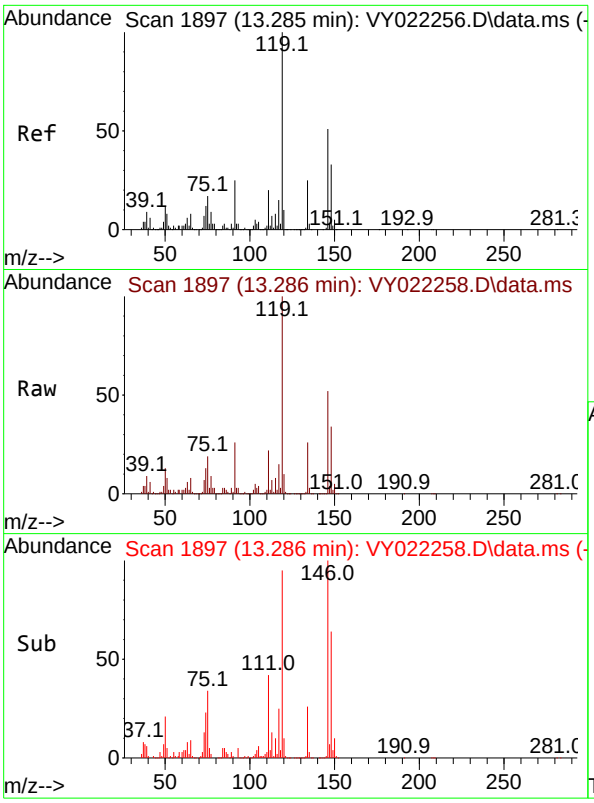


#86
p-Isopropyltoluene
Concen: 158.088 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:119 Resp: 2205275

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.8	12.1	36.3

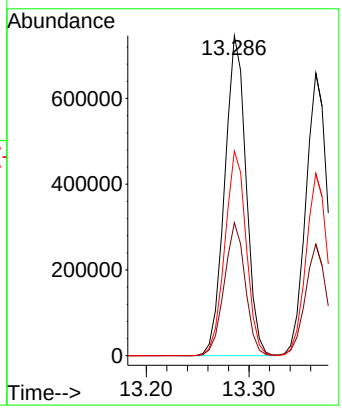




#87
1,3-Dichlorobenzene
Concen: 158.981 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 107947

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.8	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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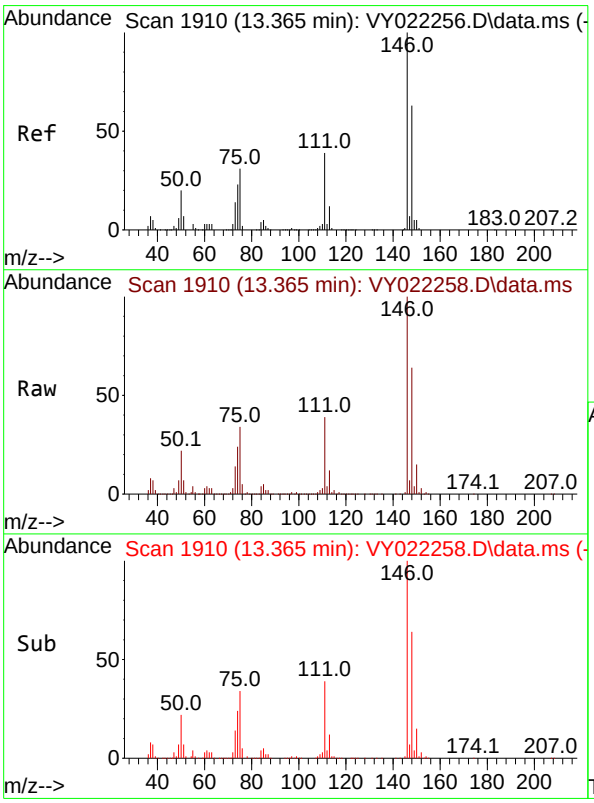
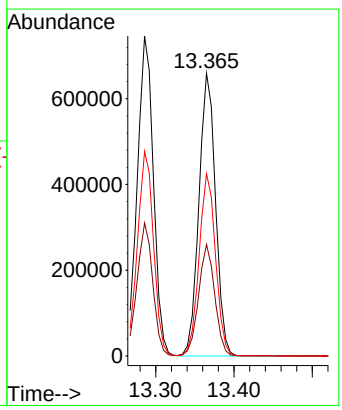
Supervised By :Semsettin Yesilyurt 05/16/2025

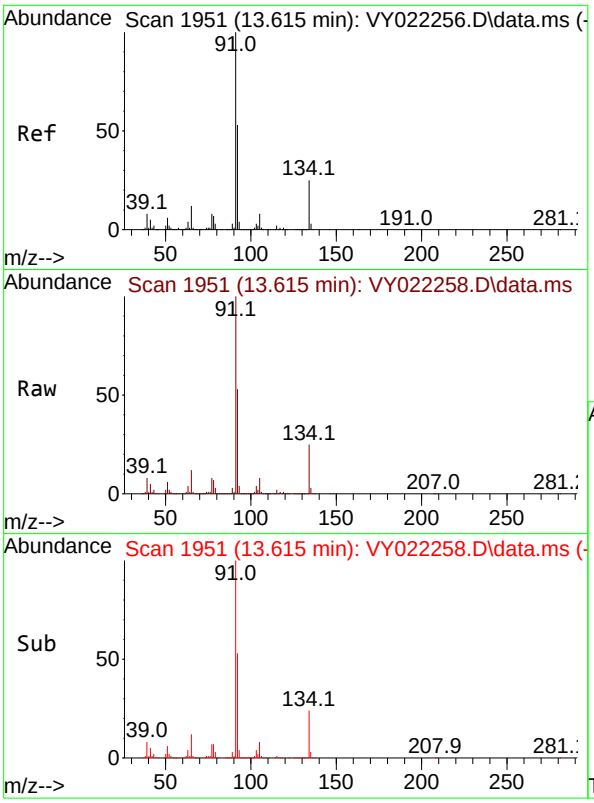


#88
1,4-Dichlorobenzene
Concen: 148.497 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 969874

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.9	32.1	96.5

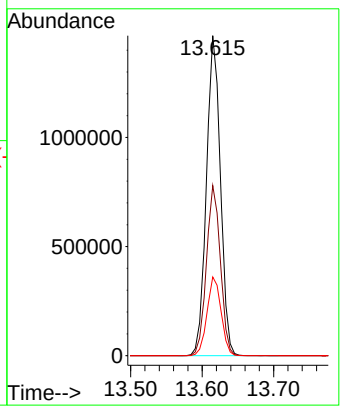




#89
n-Butylbenzene
Concen: 150.985 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 199255

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.8	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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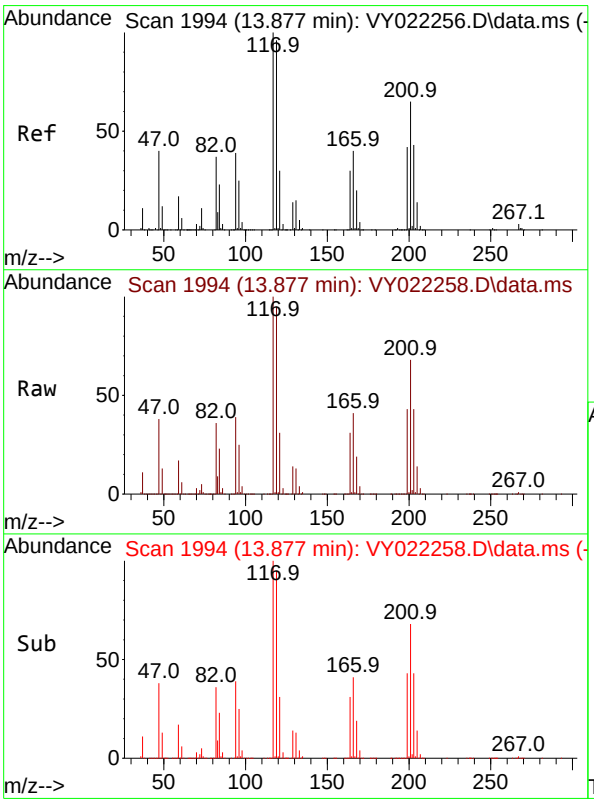
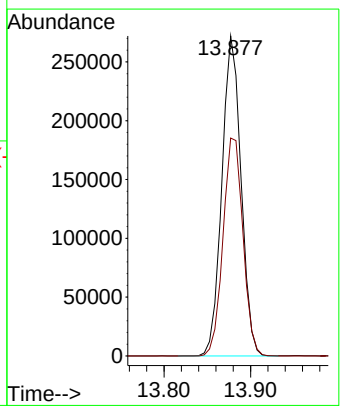
Supervised By :Semsettin Yesilyurt 05/16/2025

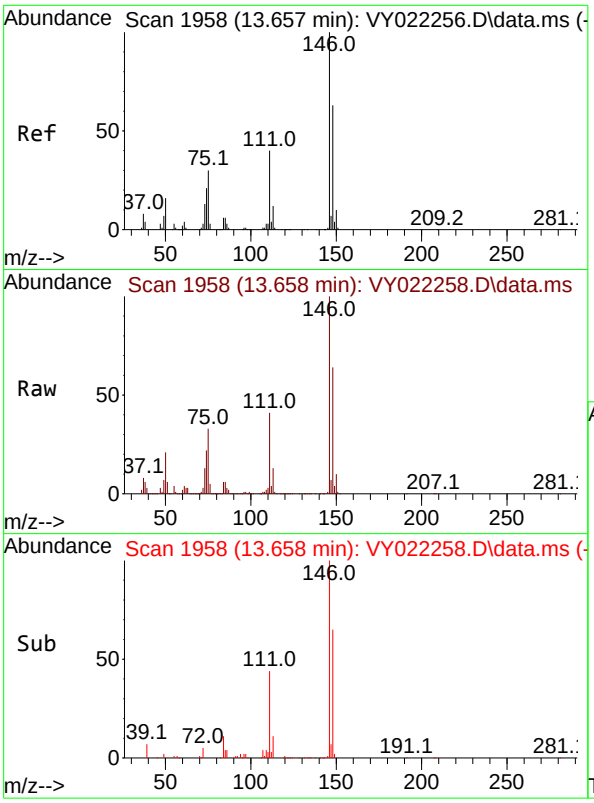


#90
Hexachloroethane
Concen: 148.208 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 417341

Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.2	105.6

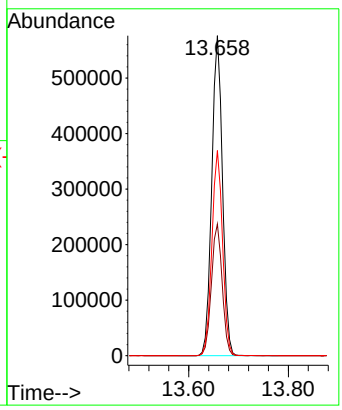




#91
1,2-Dichlorobenzene
Concen: 150.565 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 85873

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	63.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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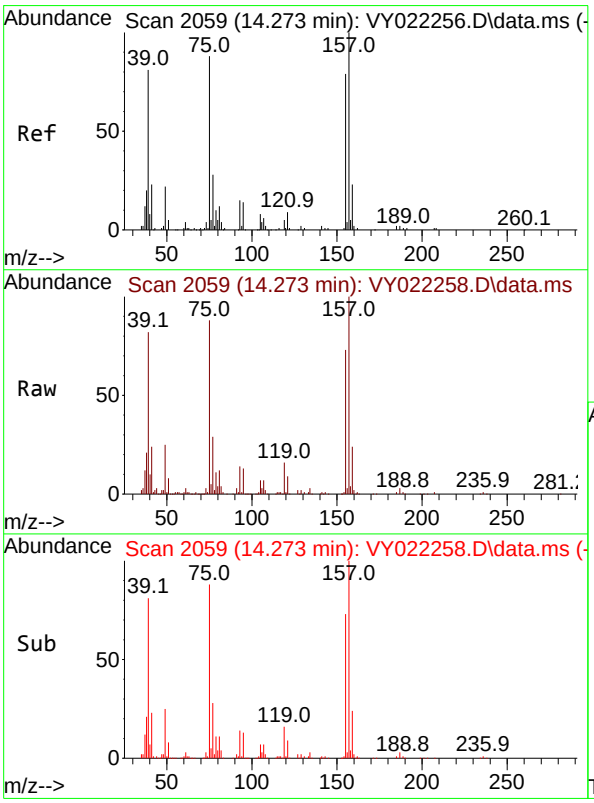
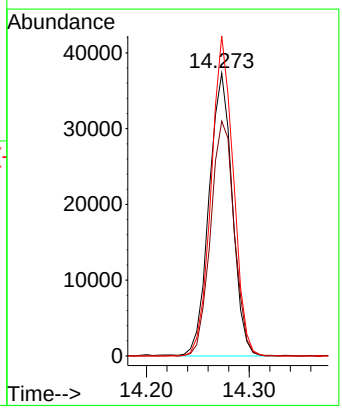
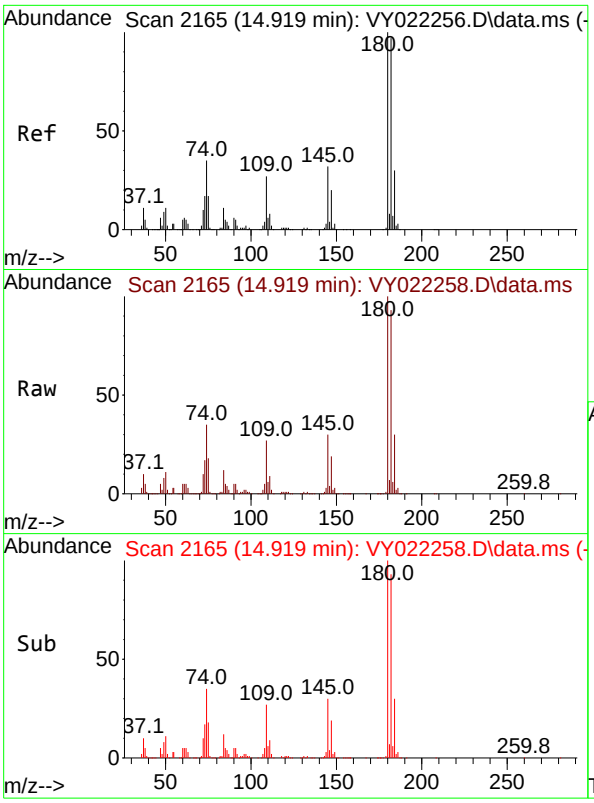


#92
1,2-Dibromo-3-Chloropropane
Concen: 151.172 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 58383

Ion	Ratio	Lower	Upper
75	100		
155	84.6	43.4	130.1
157	108.4	54.6	163.9

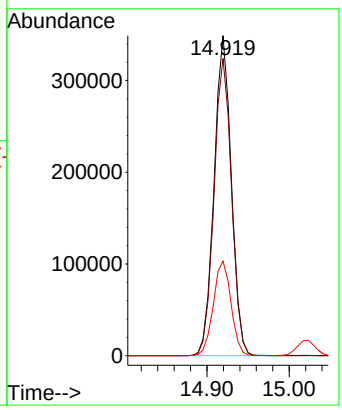




#93
1,2,4-Trichlorobenzene
Concen: 154.361 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:180 Resp: 50853

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	30.4	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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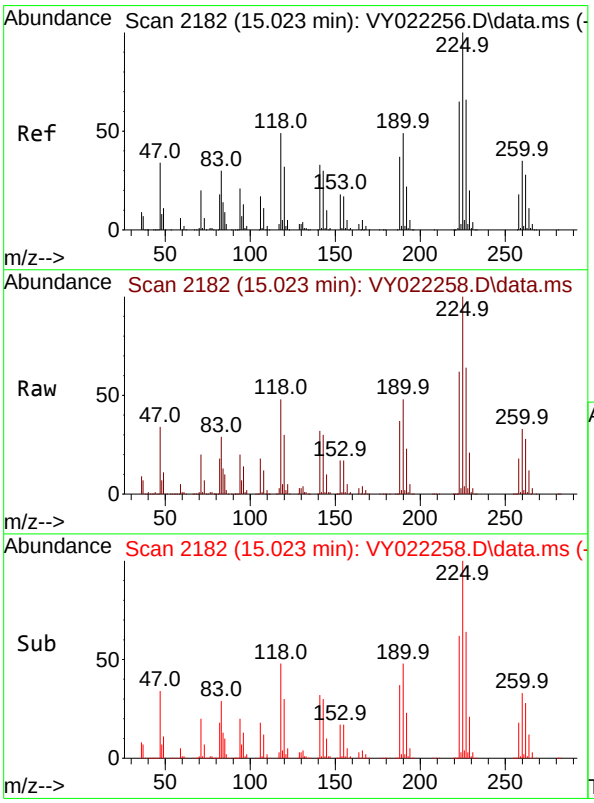
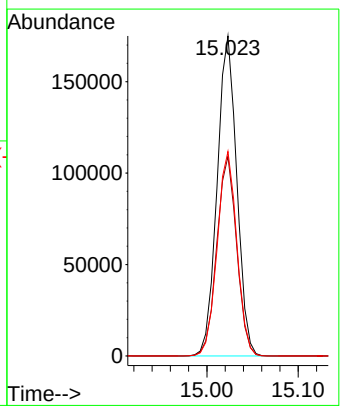
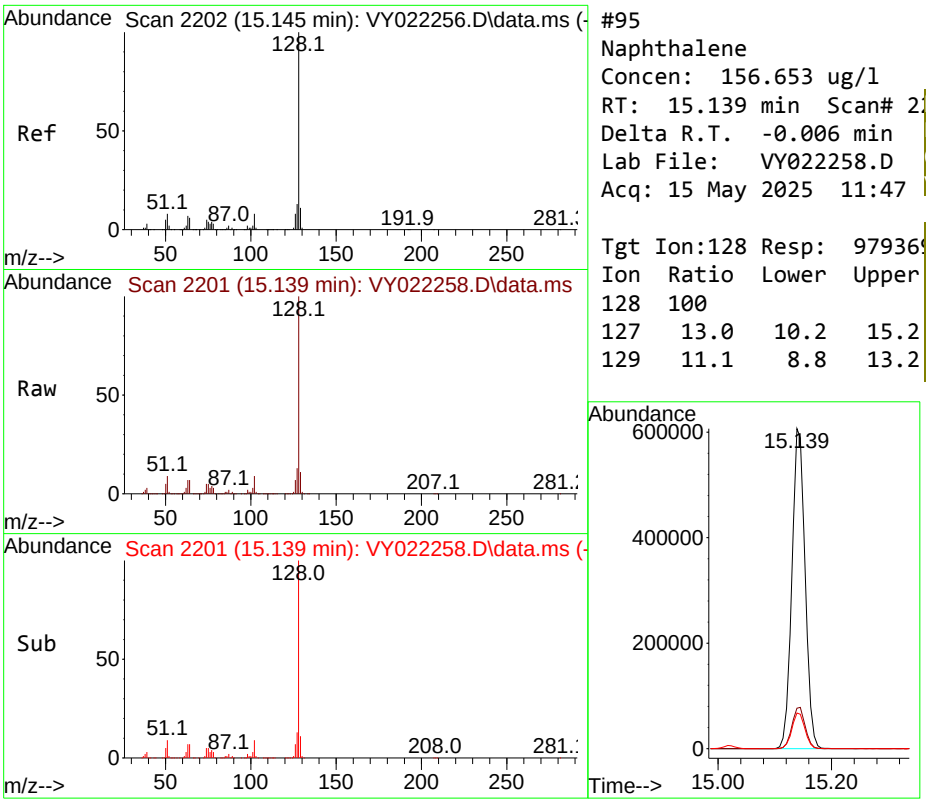


#94
Hexachlorobutadiene
Concen: 142.514 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:225 Resp: 261832

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	63.8	32.1	96.3





#95
Naphthalene
Concen: 156.653 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:128 Resp: 97936

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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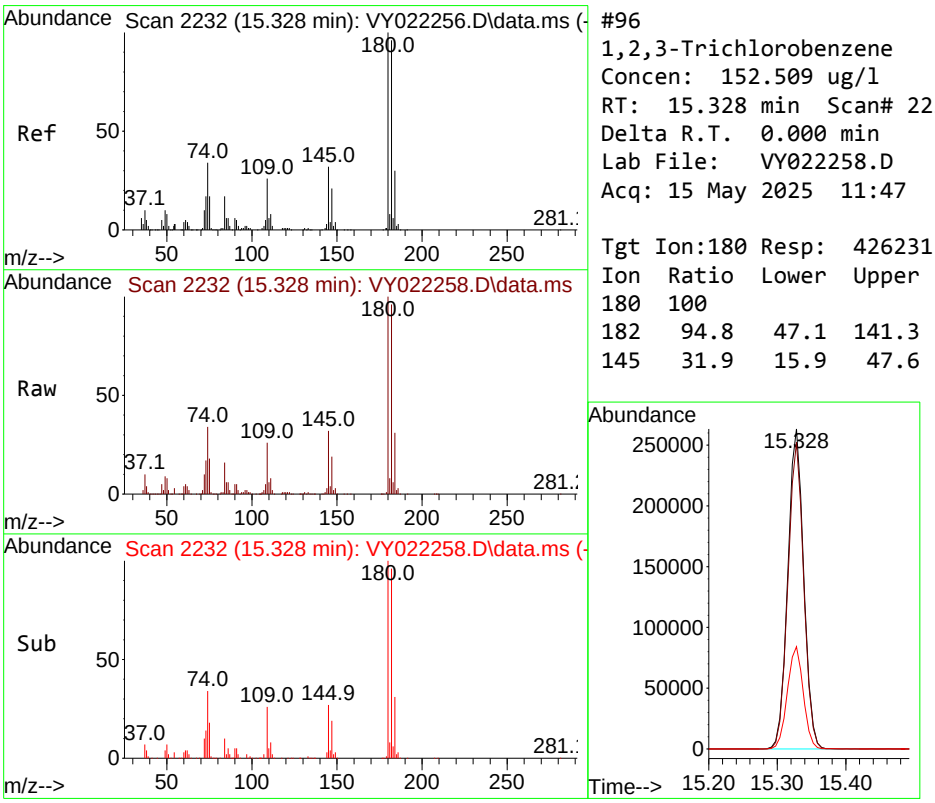

#96
1,2,3-Trichlorobenzene
Concen: 152.509 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:180 Resp: 426231

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	31.9	15.9	47.6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	252715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	375548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143909	52.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.200%			
35) Dibromofluoromethane	7.634	113	132263	51.658	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.109	98	537188	51.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.408	95	169575	51.020	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	130352	49.432	ug/l	97
3) Chloromethane	2.068	50	270248	48.719	ug/l	98
4) Vinyl Chloride	2.202	62	316755	51.111	ug/l	99
5) Bromomethane	2.598	94	244611	48.486	ug/l	99
6) Chloroethane	2.732	64	205247	53.234	ug/l	99
7) Trichlorofluoromethane	3.056	101	321098	51.174	ug/l	99
8) Diethyl Ether	3.458	74	78386	52.055	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	140460	51.564	ug/l	100
10) Methyl Iodide	4.007	142	156397	49.606	ug/l	99
11) Tert butyl alcohol	4.872	59	55922	265.144	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	139180	51.487	ug/l	98
13) Acrolein	3.653	56	73495	238.362	ug/l	98
14) Allyl chloride	4.378	41	250342	52.817	ug/l	100
15) Acrylonitrile	5.055	53	164507	265.134	ug/l	99
16) Acetone	3.872	43	130848	252.660	ug/l	99
17) Carbon Disulfide	4.104	76	456302	51.765	ug/l	99
18) Methyl Acetate	4.385	43	97091	59.461	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	395753	53.096	ug/l	99
20) Methylene Chloride	4.610	84	158275	47.298	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	153819	51.552	ug/l	98
22) Diisopropyl ether	6.018	45	521343	52.085	ug/l	99
23) Vinyl Acetate	5.957	43	1530507	253.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	288933	51.668	ug/l	97
25) 2-Butanone	6.896	43	221702	255.929	ug/l	97
26) 2,2-Dichloropropane	6.884	77	259587	52.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	180695	52.479	ug/l	100
28) Bromochloromethane	7.250	49	124761	52.305	ug/l	99
29) Tetrahydrofuran	7.262	42	147603	264.847	ug/l	99
30) Chloroform	7.421	83	283264	52.810	ug/l	100
31) Cyclohexane	7.701	56	271949	48.673	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	253549	51.523	ug/l	99
36) 1,1-Dichloropropene	7.835	75	212786	50.457	ug/l	99
37) Ethyl Acetate	6.982	43	102740	50.633	ug/l	98
38) Carbon Tetrachloride	7.817	117	220636	50.543	ug/l	98
39) Methylcyclohexane	9.109	83	283373	50.015	ug/l	98
40) Benzene	8.079	78	646289	51.696	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	72143m	53.599	ug/l		
42) 1,2-Dichloroethane	8.158	62	175241	51.834	ug/l		100
43) Isopropyl Acetate	8.195	43	227521	51.415	ug/l	#	89
44) Trichloroethene	8.865	130	156468	50.335	ug/l		96
45) 1,2-Dichloropropane	9.140	63	154975	51.417	ug/l		99
46) Dibromomethane	9.231	93	83597	51.423	ug/l		100
47) Bromodichloromethane	9.426	83	221446	52.508	ug/l		99
48) Methyl methacrylate	9.219	41	106283	51.357	ug/l		98
49) 1,4-Dioxane	9.231	88	18521	1008.479	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	567722	261.463	ug/l		99
52) Toluene	10.170	92	406420	51.337	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	211790	51.458	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	244811	51.916	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	106464	51.142	ug/l		99
56) Ethyl methacrylate	10.438	69	164207	50.639	ug/l		99
57) 1,3-Dichloropropane	10.719	76	191889	51.880	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	394587	271.104	ug/l		100
59) 2-Hexanone	10.761	43	375224	257.738	ug/l		100
60) Dibromochloromethane	10.914	129	141652	52.425	ug/l		99
61) 1,2-Dibromoethane	11.018	107	99783	51.428	ug/l		99
64) Tetrachloroethene	10.646	164	162818	46.905	ug/l		99
65) Chlorobenzene	11.444	112	422170	49.827	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	144636	49.656	ug/l		99
67) Ethyl Benzene	11.517	91	794978	50.100	ug/l		99
68) m/p-Xylenes	11.627	106	604420	101.087	ug/l		99
69) o-Xylene	11.956	106	286712	50.682	ug/l		98
70) Styrene	11.969	104	481621	50.471	ug/l		99
71) Bromoform	12.133	173	80216	51.022	ug/l	#	100
73) Isopropylbenzene	12.255	105	738398	49.964	ug/l		100
74) N-amyl acetate	12.072	43	210510	49.805	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120599	53.062	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	96804m	53.564	ug/l		
77) Bromobenzene	12.536	156	155843	49.374	ug/l		97
78) n-propylbenzene	12.596	91	896555	50.296	ug/l		100
79) 2-Chlorotoluene	12.682	91	491073	50.130	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	592100	49.632	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	43921	49.231	ug/l		99
82) 4-Chlorotoluene	12.779	91	510451	50.661	ug/l		100
83) tert-Butylbenzene	12.999	119	527140	49.715	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	598450	50.535	ug/l		99
85) sec-Butylbenzene	13.176	105	787000	50.000	ug/l		100
86) p-Isopropyltoluene	13.291	119	664795	50.219	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	320357	49.718	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	307847	49.669	ug/l		98
89) n-Butylbenzene	13.621	91	631222	50.402	ug/l		100
90) Hexachloroethane	13.883	117	132281	49.502	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	270373	49.954	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18335	50.028	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	152548	48.794	ug/l		99
94) Hexachlorobutadiene	15.023	225	83287	47.770	ug/l		99
95) Naphthalene	15.145	128	287276	48.421	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	127466	48.060	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

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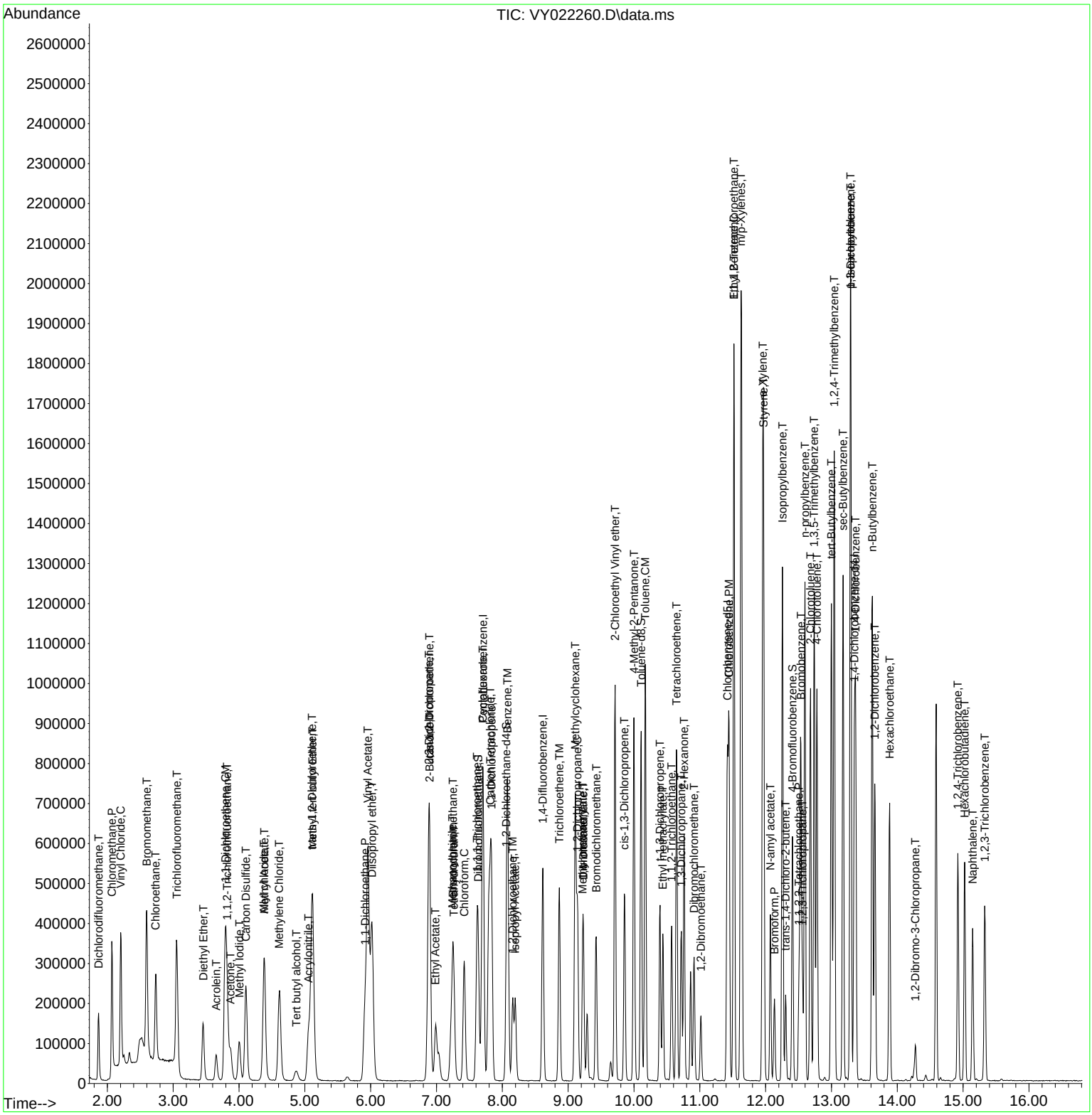
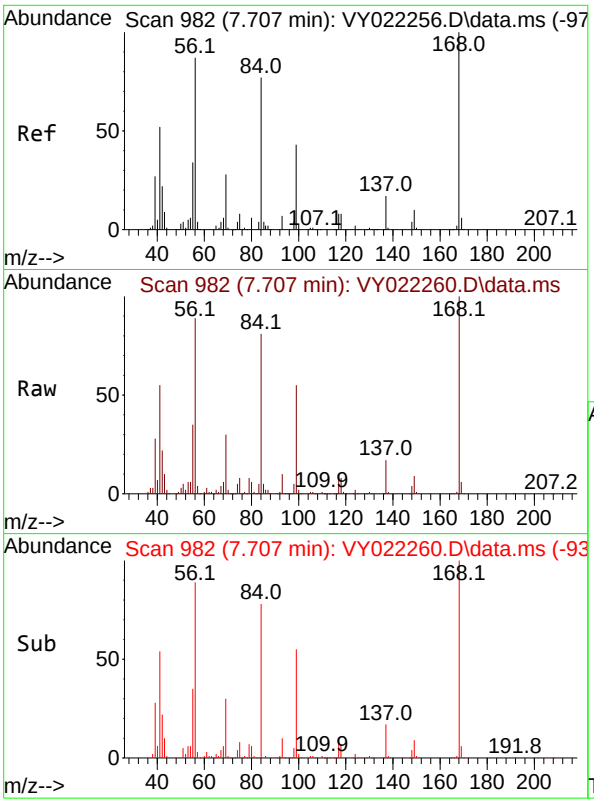
Supervised By :Semsettin Yesilyurt 05/16/2025

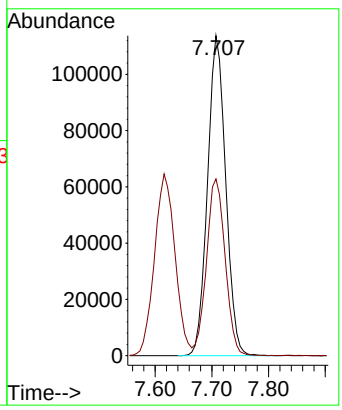




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:168 Resp: 25271

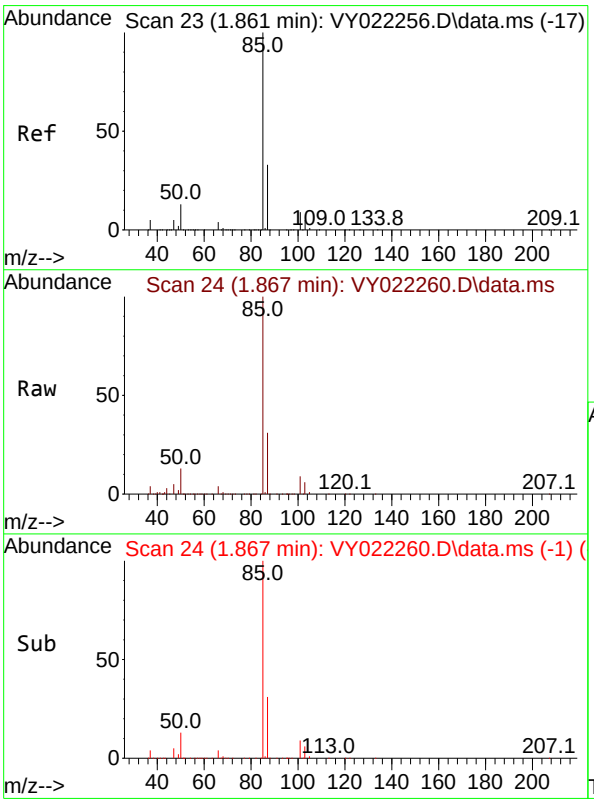
Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

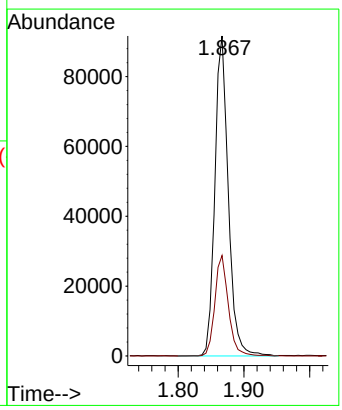
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

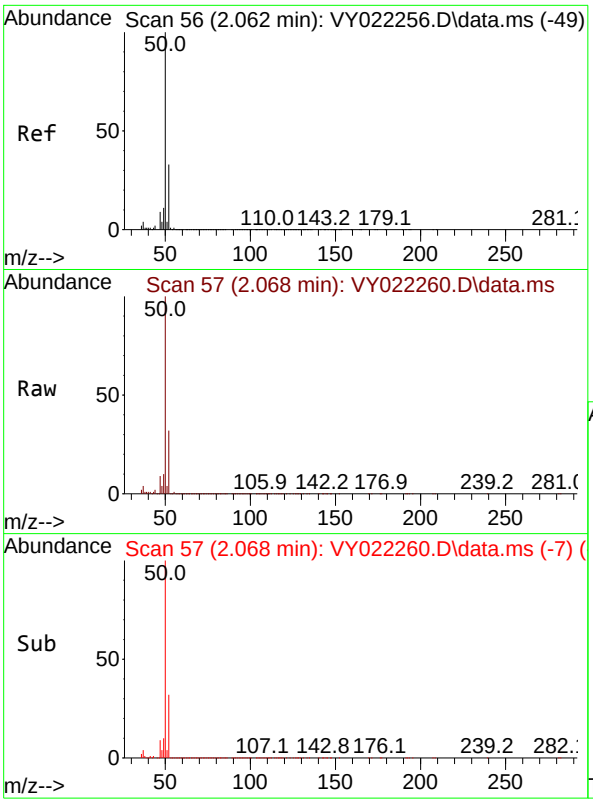


#2
Dichlorodifluoromethane
Concen: 49.432 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 85 Resp: 130352

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.5	49.5

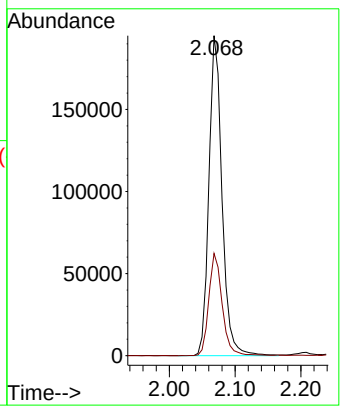




#3
Chloromethane
Concen: 48.719 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 50 Resp: 27024

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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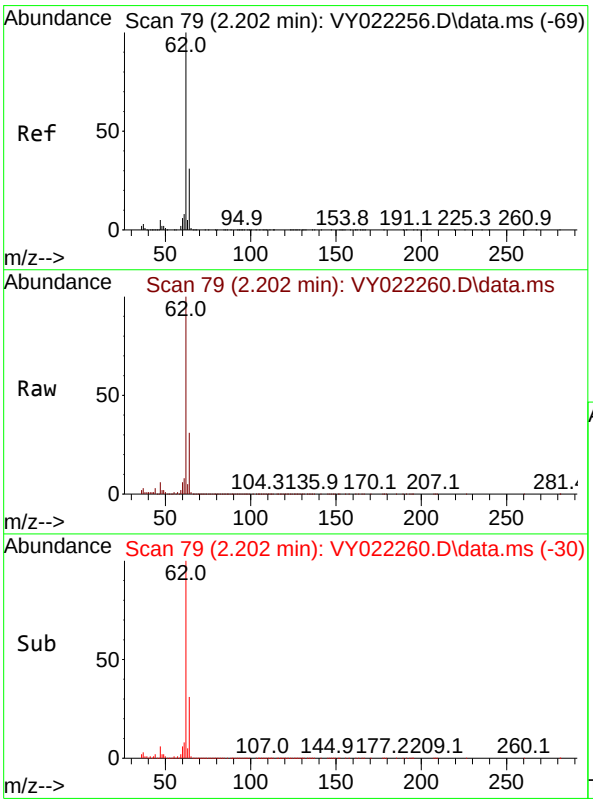
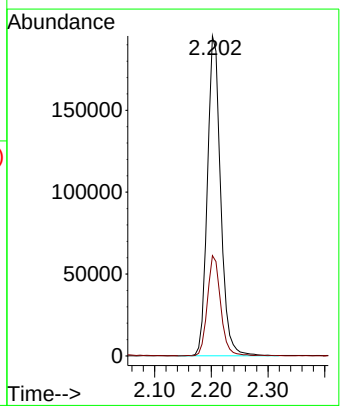
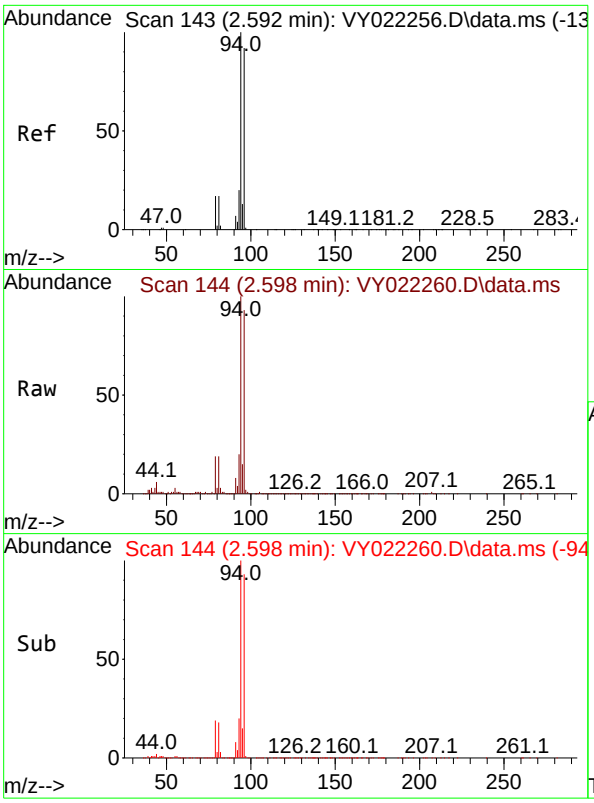


#4
Vinyl Chloride
Concen: 51.111 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 316755

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.5	36.7





#5
Bromomethane
Concen: 48.486 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

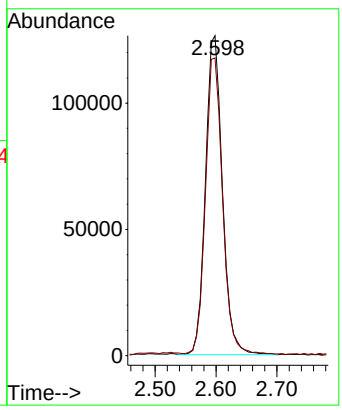
Tgt Ion: 94 Resp: 24461

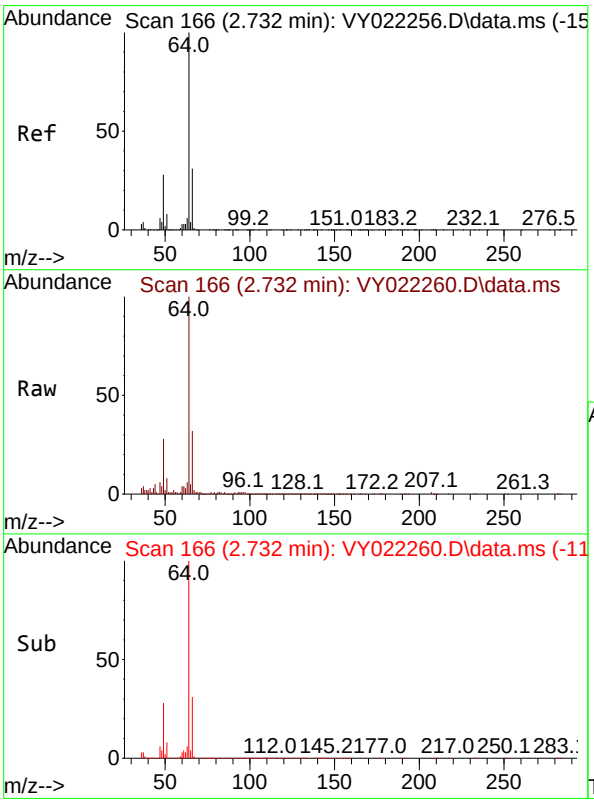
Ion	Ratio	Lower	Upper
94	100		
96	92.8	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

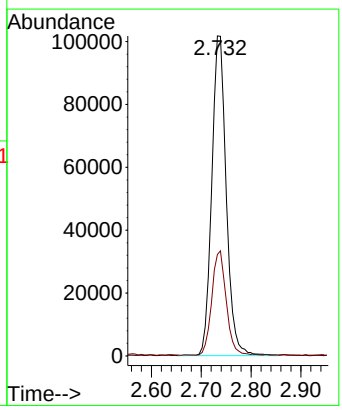


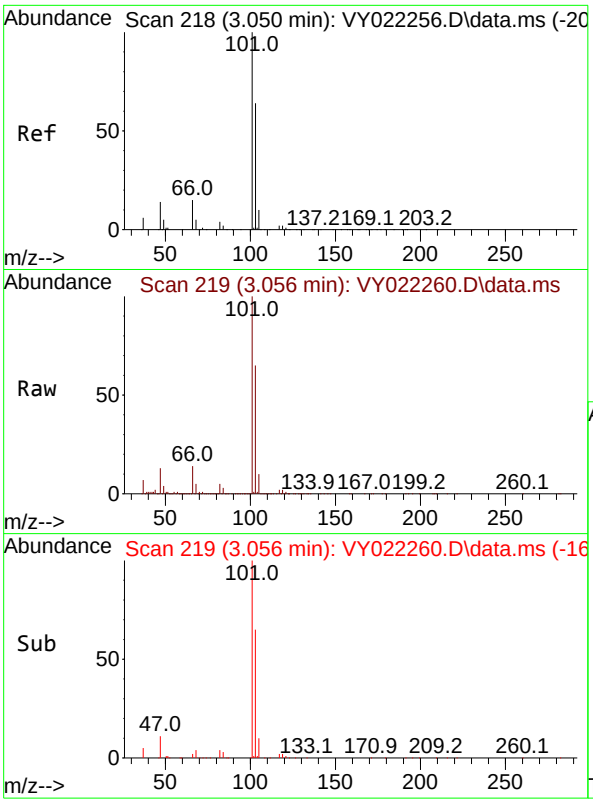


#6
Chloroethane
Concen: 53.234 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 64 Resp: 205247

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.8	37.2

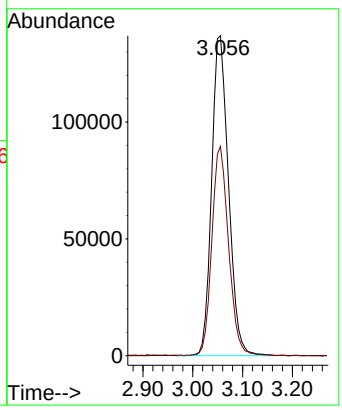




#7
Trichlorofluoromethane
Concen: 51.174 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:101 Resp: 32109

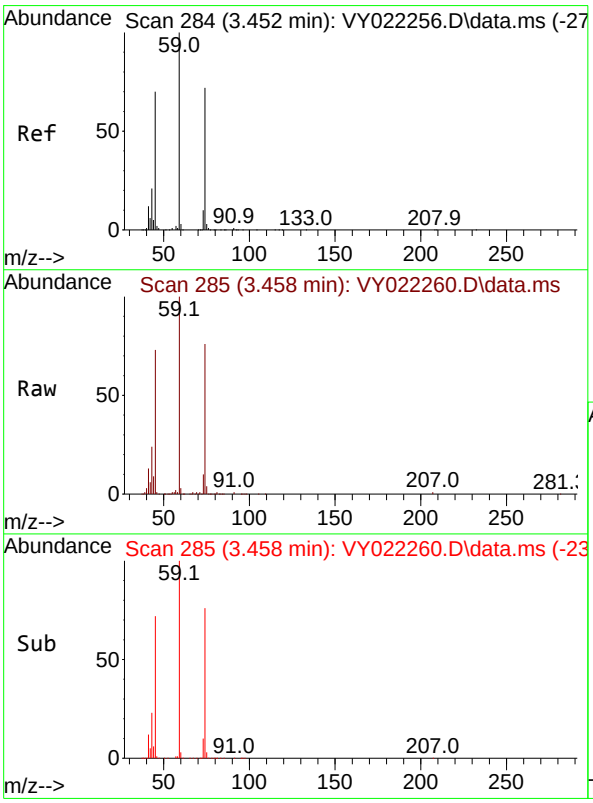
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

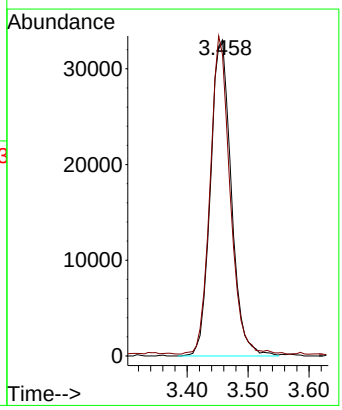
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

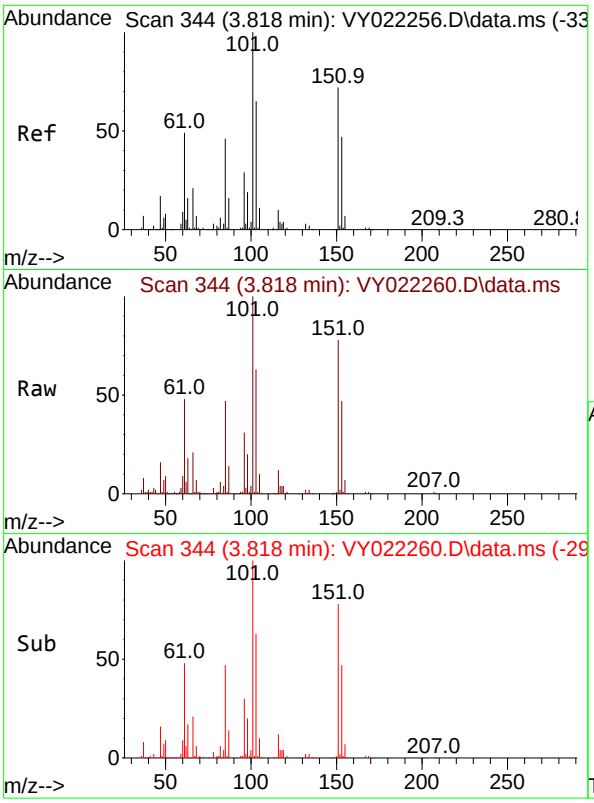


#8
Diethyl Ether
Concen: 52.055 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 74 Resp: 78386

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.564 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:101 Resp: 14046

Ion	Ratio	Lower	Upper
101	100		
85	47.9	38.6	58.0
151	74.9	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

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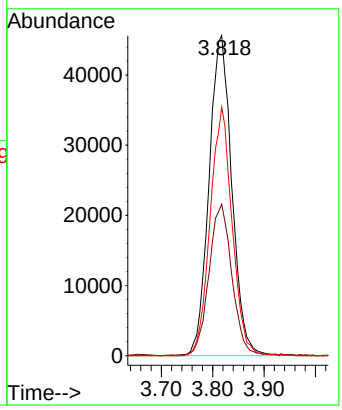
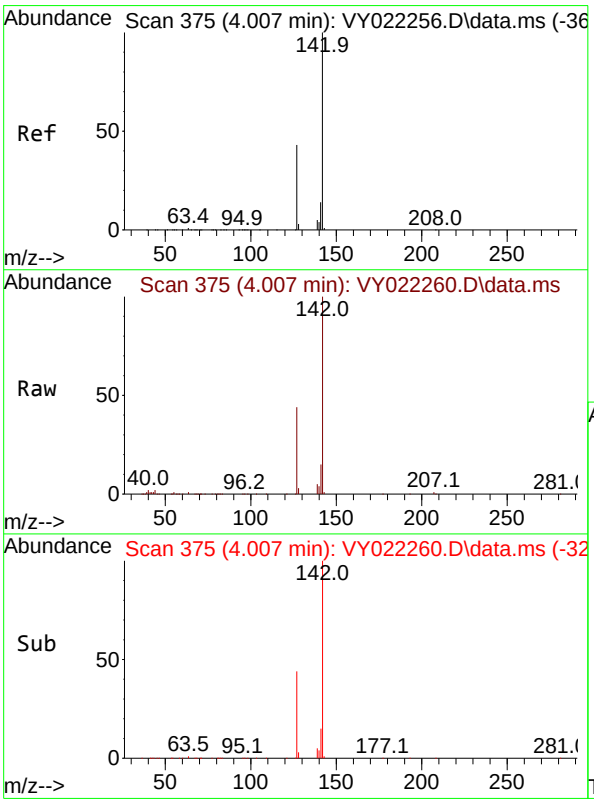
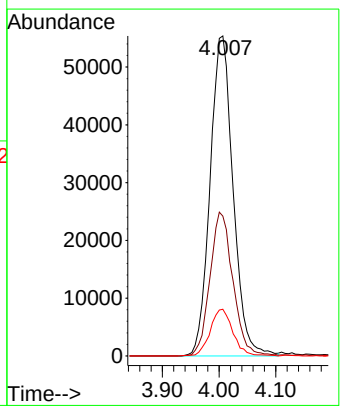


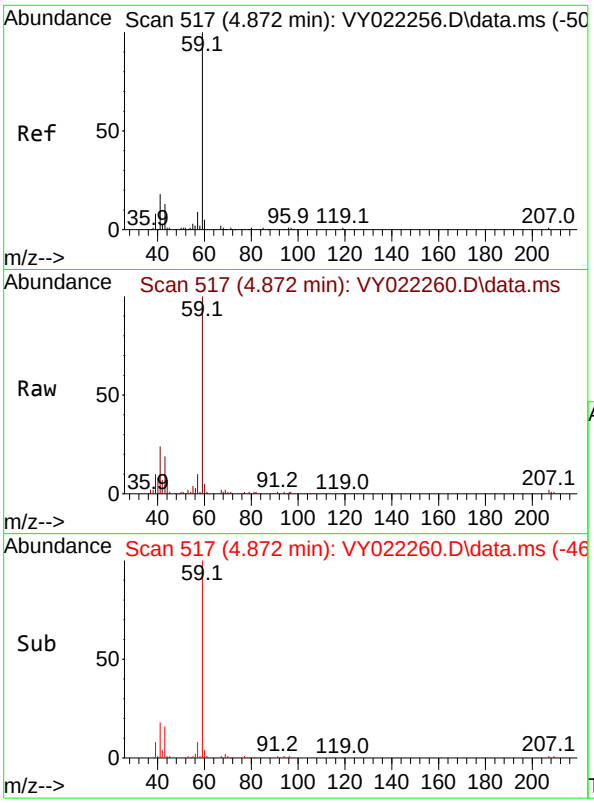


#10
Methyl Iodide
Concen: 49.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:142 Resp: 156397

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.4	11.1	16.7





#11
Tert butyl alcohol
Concen: 265.144 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 59 Resp: 5592

Ion	Ratio	Lower	Upper
59	100		
57	10.7	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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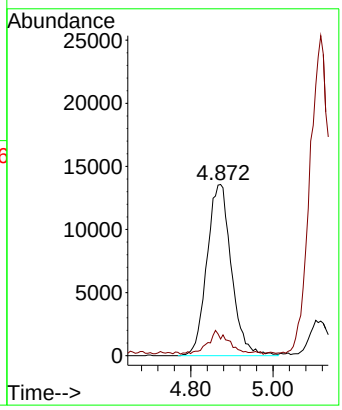
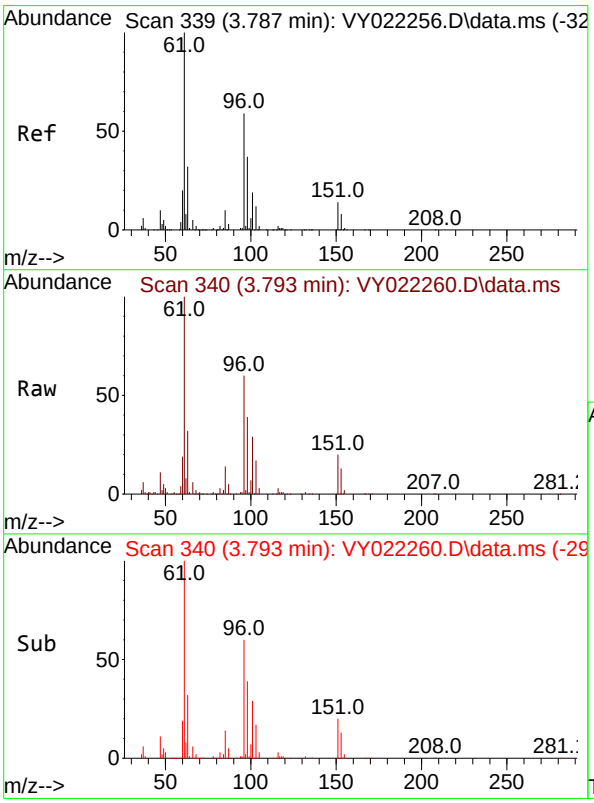
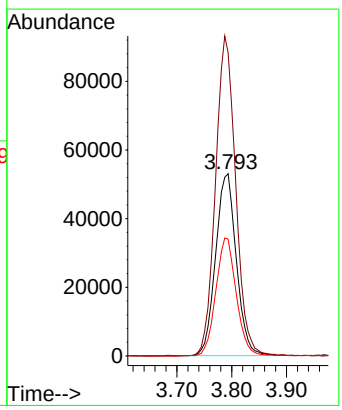


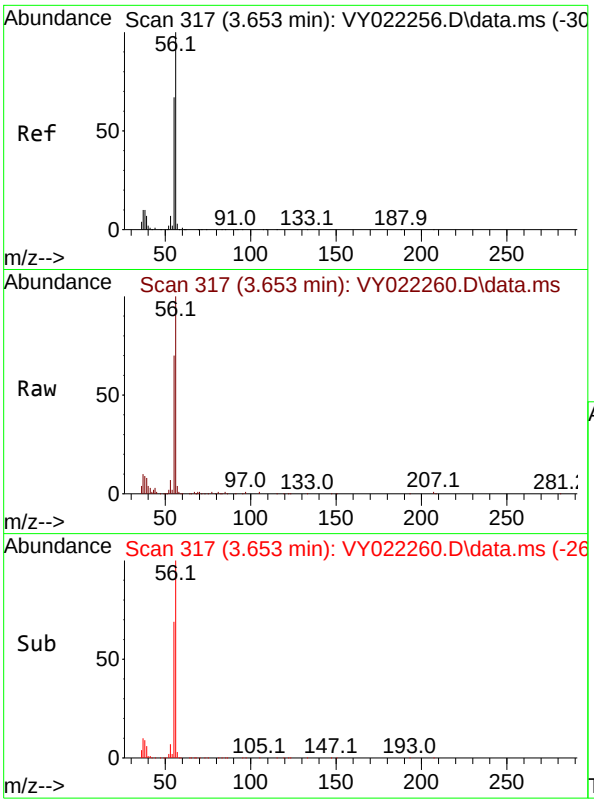


#12
1,1-Dichloroethene
Concen: 51.487 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 139180

Ion	Ratio	Lower	Upper
96	100		
61	166.8	134.9	202.3
98	64.1	49.9	74.9

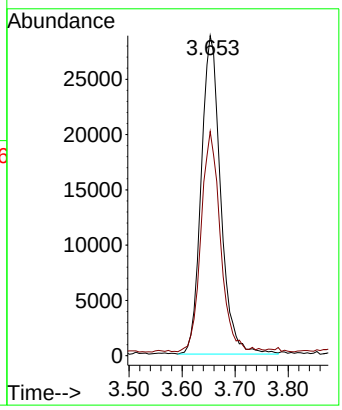




#13
Acrolein
Concen: 238.362 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 56 Resp: 7349

Ion	Ratio	Lower	Upper
56	100		
55	68.2	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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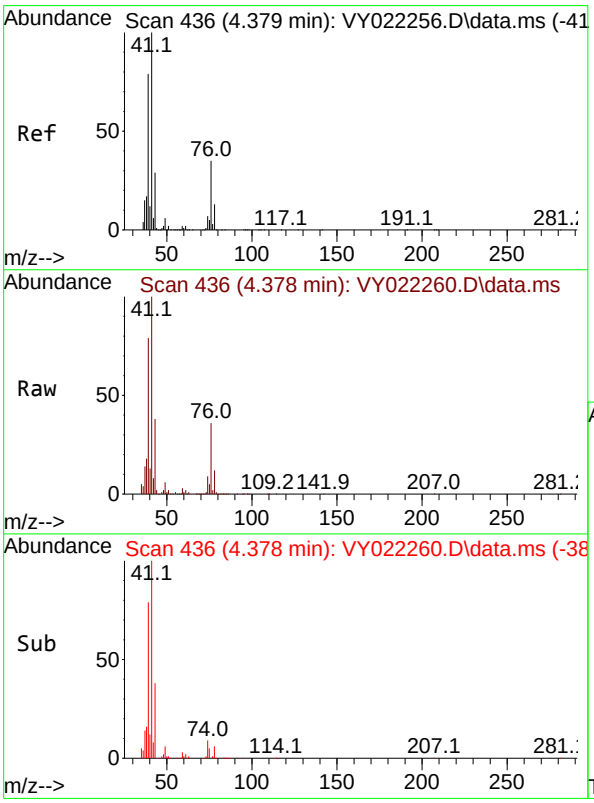
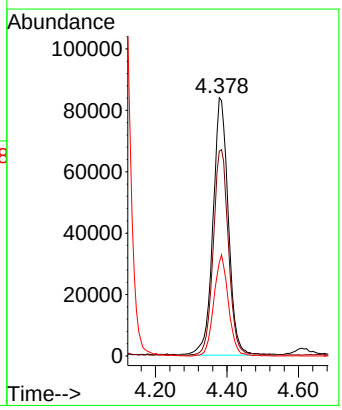
Supervised By :Semsettin Yesilyurt 05/16/2025

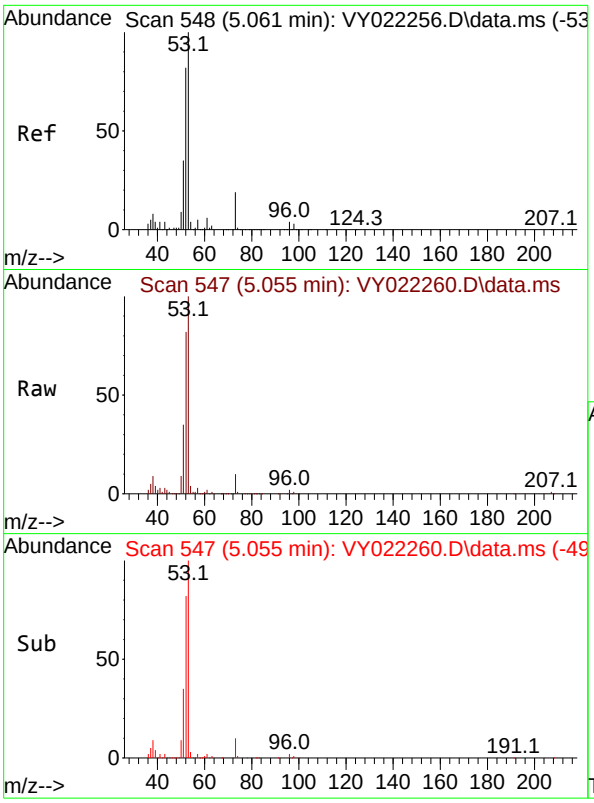


#14
Allyl chloride
Concen: 52.817 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 250342

Ion	Ratio	Lower	Upper
41	100		
39	78.9	63.4	95.0
76	37.0	29.5	44.3

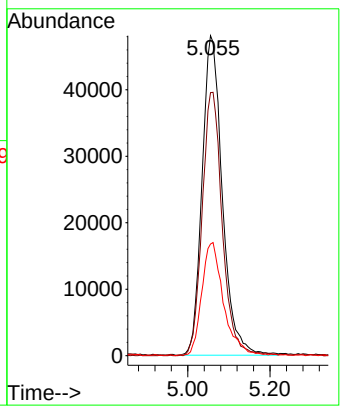




#15
Acrylonitrile
Concen: 265.134 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 53 Resp: 16450

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	38.2	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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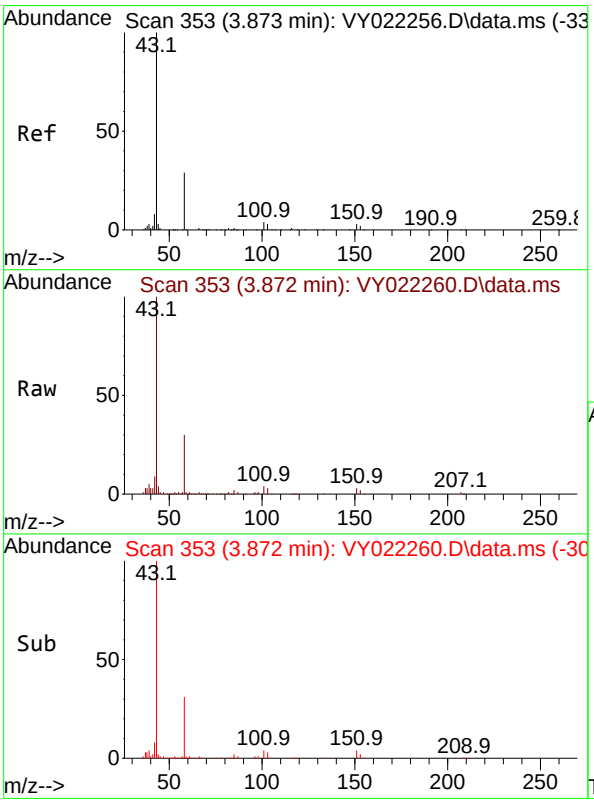
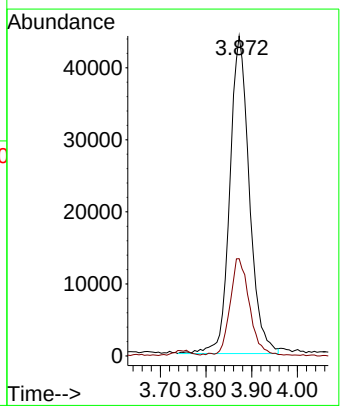
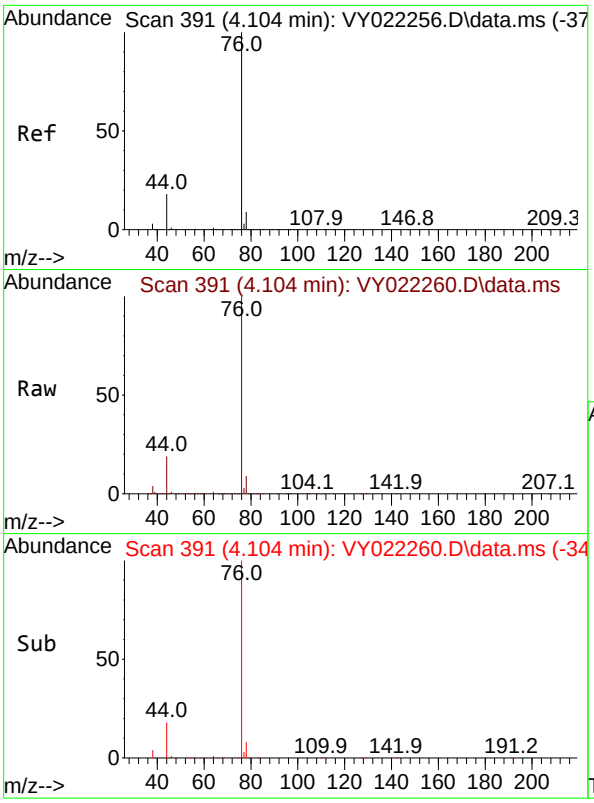


#16
Acetone
Concen: 252.660 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 130848

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4

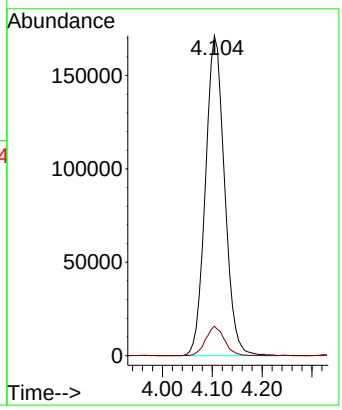




#17
Carbon Disulfide
Concen: 51.765 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 76 Resp: 45630

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8



Instrument :
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ClientSampleId :
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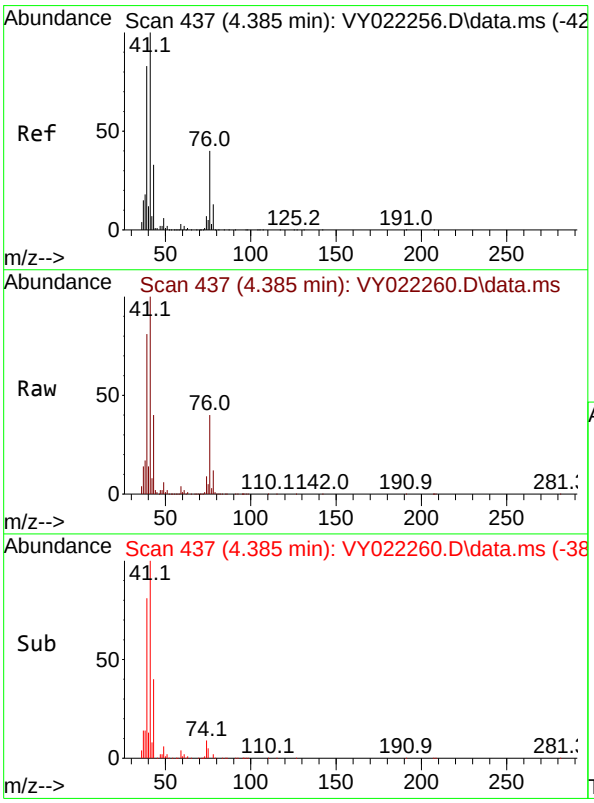
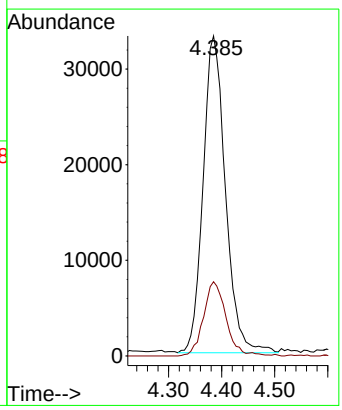
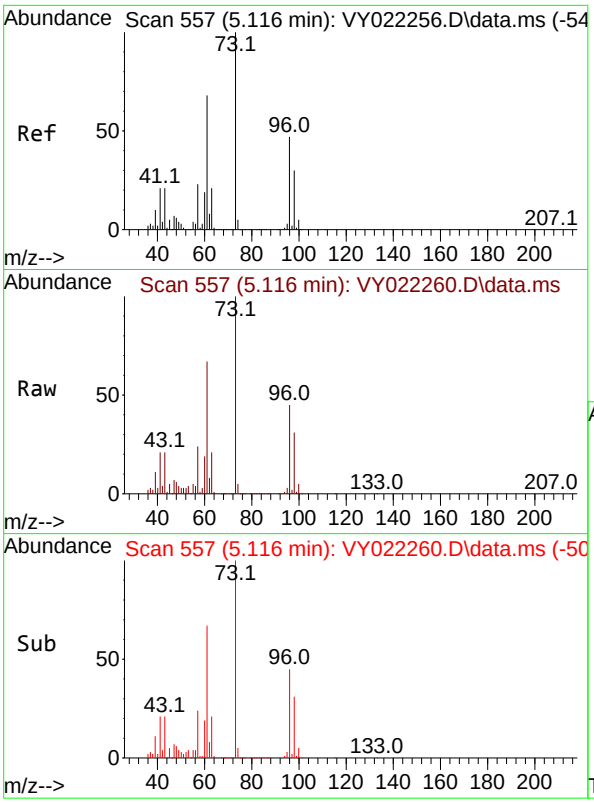


#18
Methyl Acetate
Concen: 59.461 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 97091

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.2	27.4

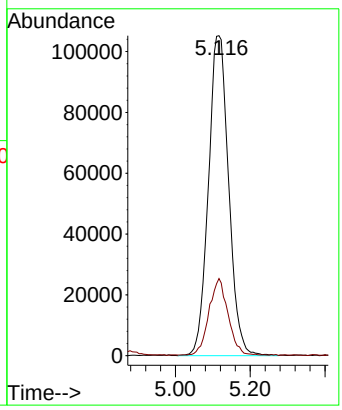




#19
Methyl tert-butyl Ether
Concen: 53.096 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 73 Resp: 39575

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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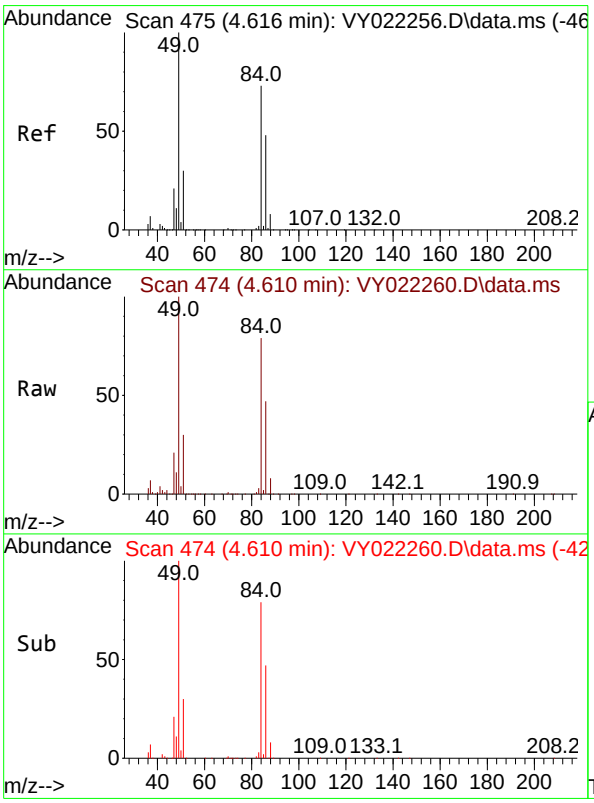
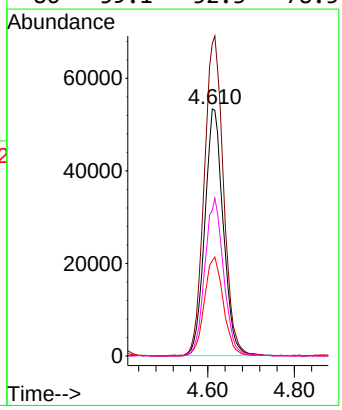
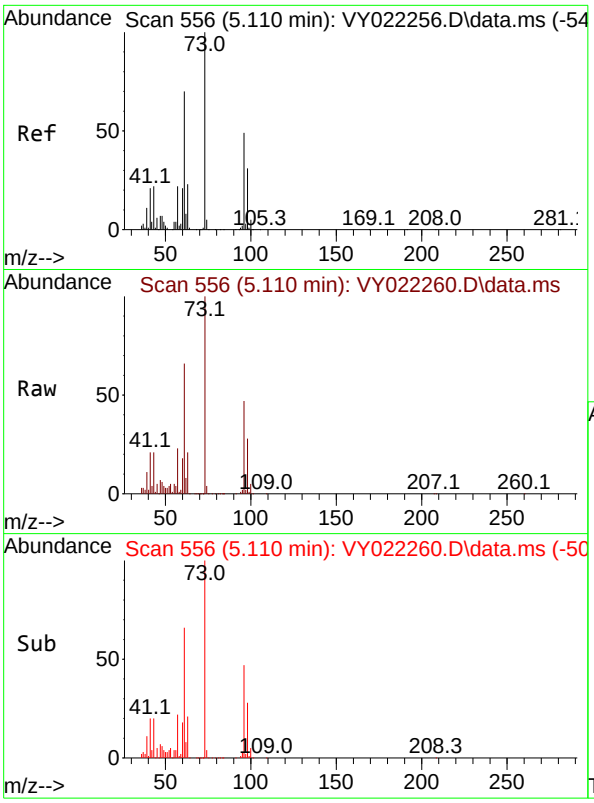


#20
Methylene Chloride
Concen: 47.298 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 84 Resp: 158275

Ion	Ratio	Lower	Upper
84	100		
49	126.6	109.6	164.4
51	38.5	32.4	48.6
86	59.1	52.3	78.5

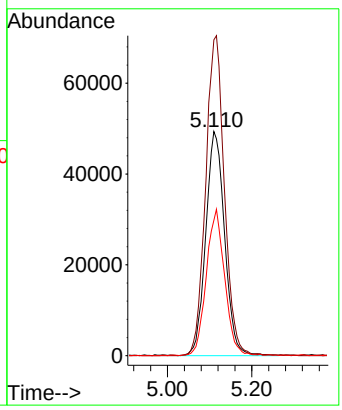




#21
trans-1,2-Dichloroethene
Concen: 51.552 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 15381

Ion	Ratio	Lower	Upper
96	100		
61	140.9	113.4	170.0
98	60.2	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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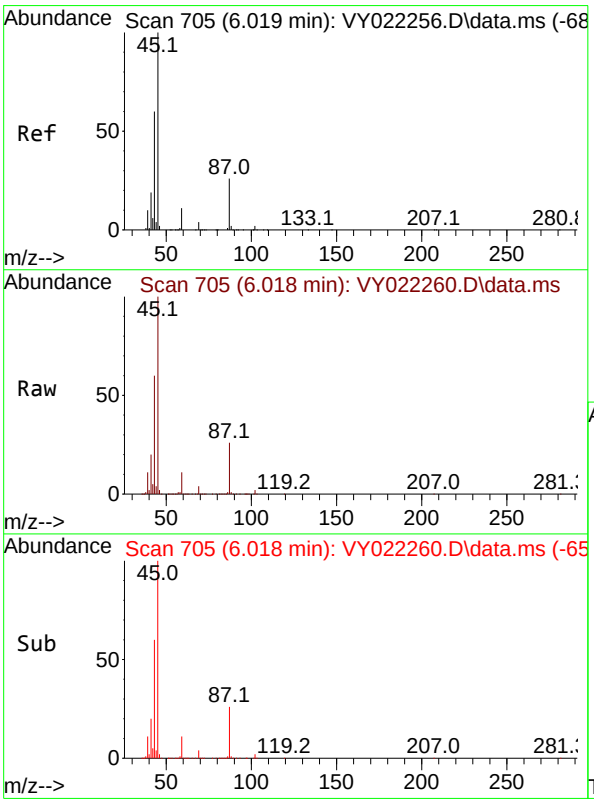
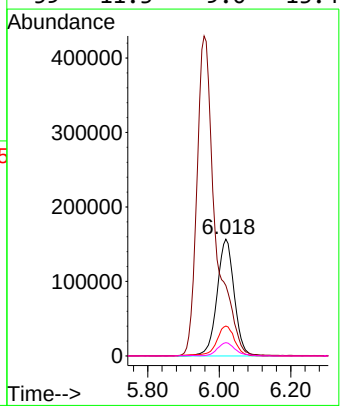
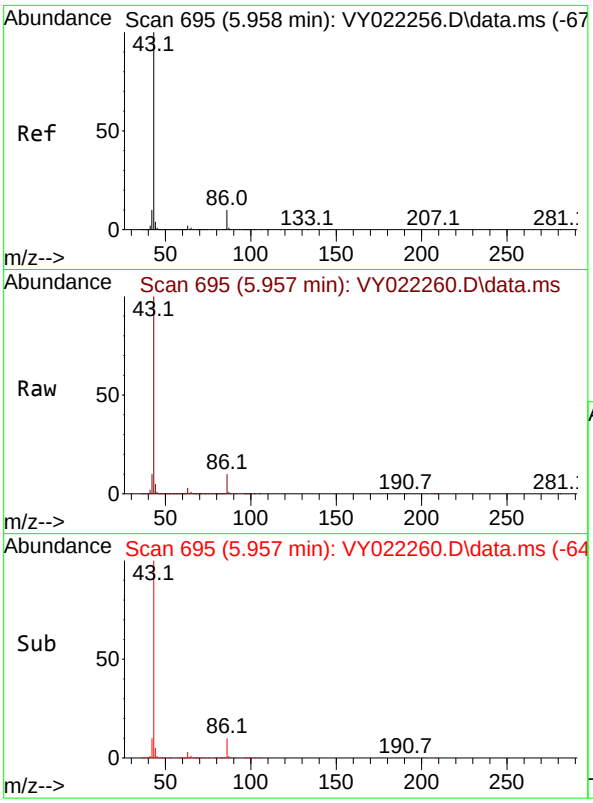


#22
Diisopropyl ether
Concen: 52.085 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 45 Resp: 521343

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	25.6	21.4	32.0
59	11.3	9.0	13.4

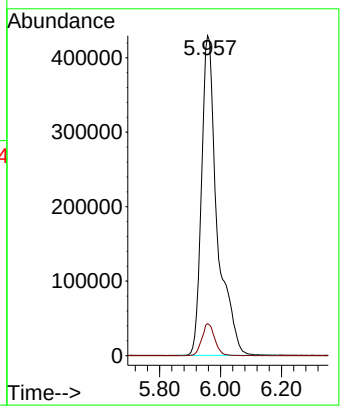




#23
Vinyl Acetate
Concen: 253.098 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 153050

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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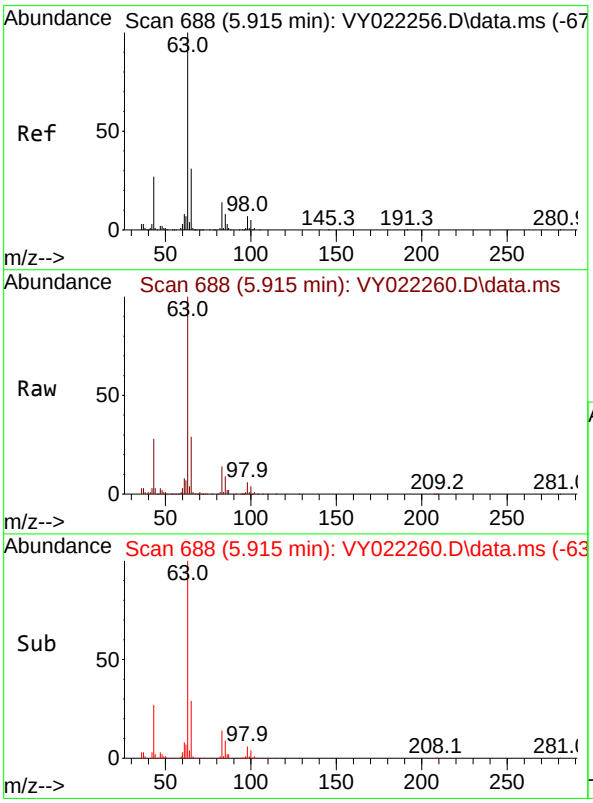
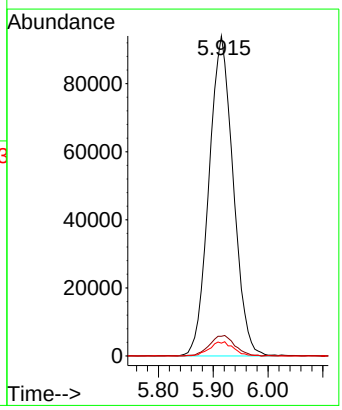
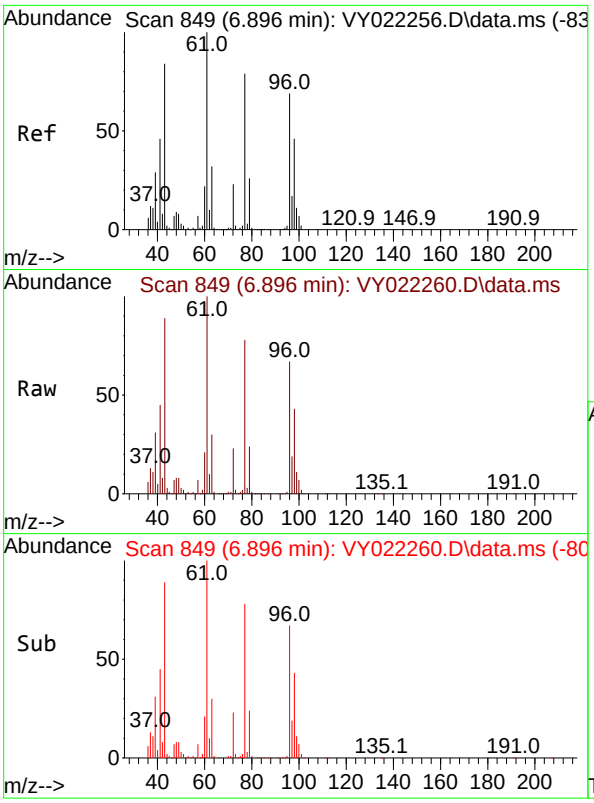


#24
1,1-Dichloroethane
Concen: 51.668 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 288933

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	4.0	2.4	7.2





#25
2-Butanone
Concen: 255.929 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 22170

Ion	Ratio	Lower	Upper
43	100		
72	25.9	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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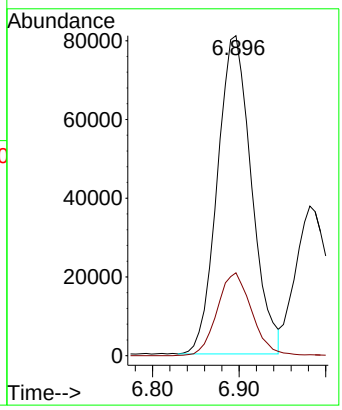
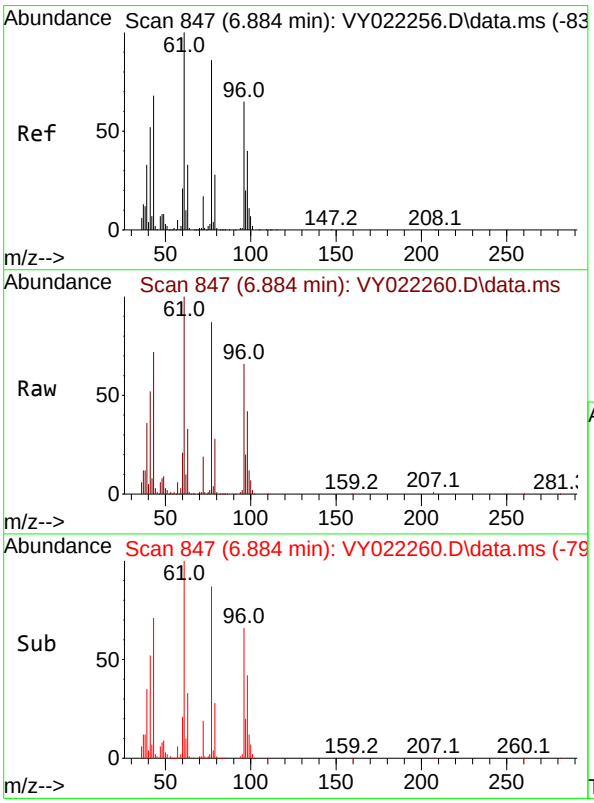
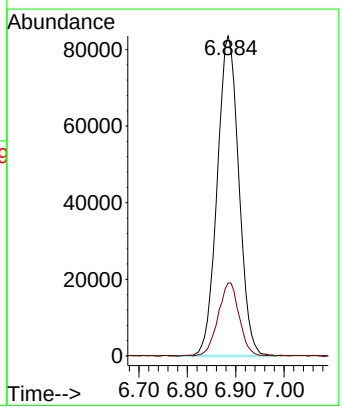


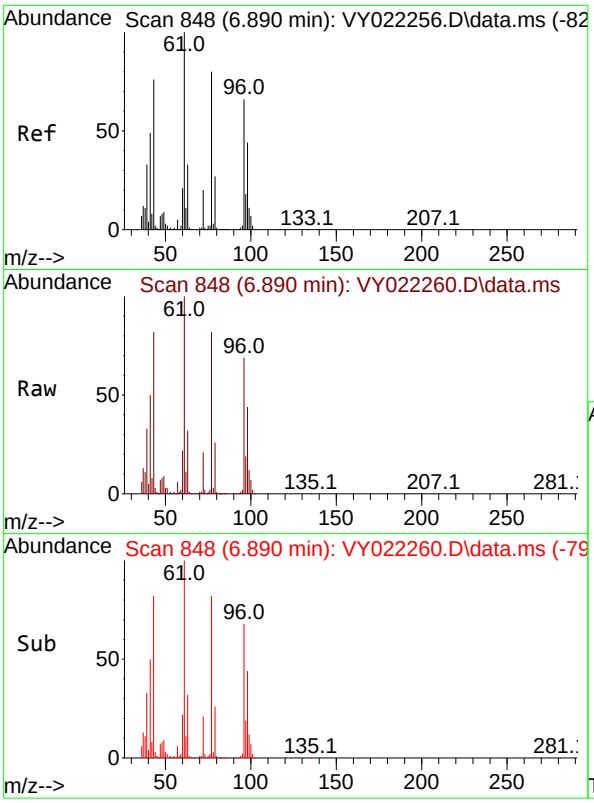


#26
2,2-Dichloropropane
Concen: 52.191 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 77 Resp: 259587

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5

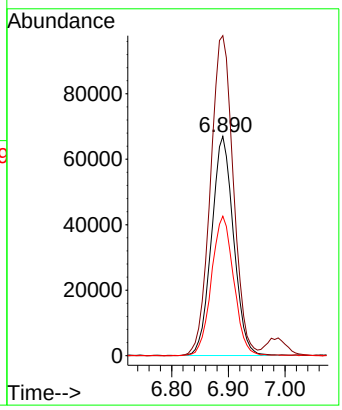




#27
cis-1,2-Dichloroethene
Concen: 52.479 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 18069

Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	302.6
98	64.5	0.0	128.8



Instrument :
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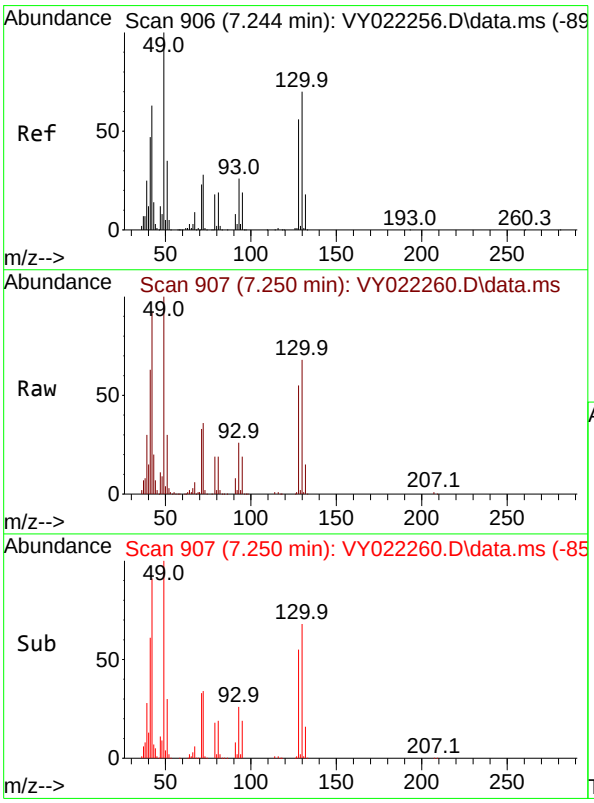
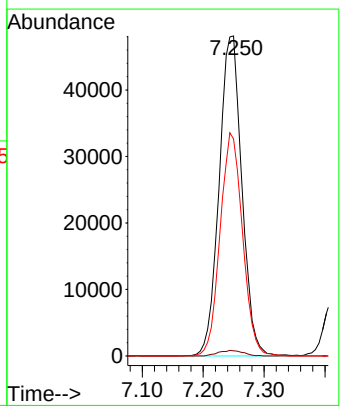
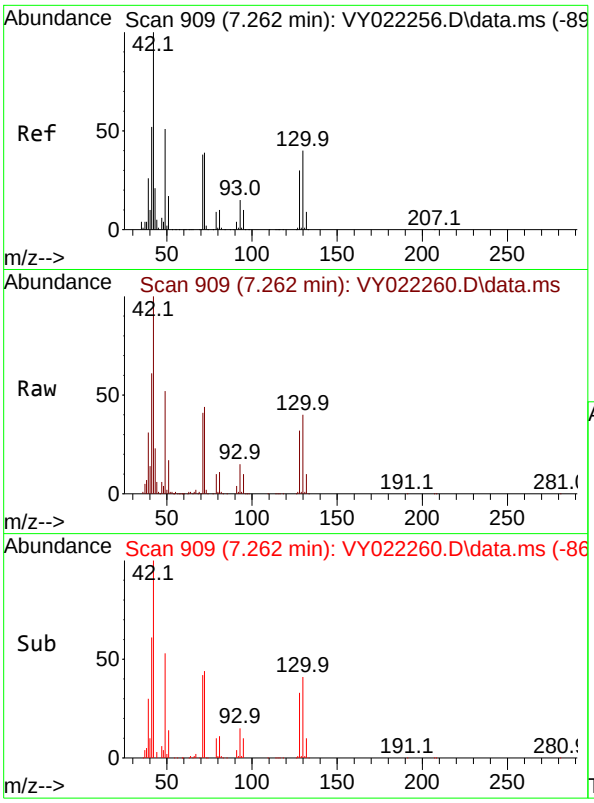


#28
Bromochloromethane
Concen: 52.305 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 49 Resp: 124761

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.8	54.7	82.1

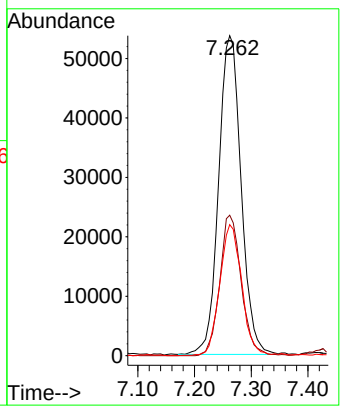




#29
Tetrahydrofuran
Concen: 264.847 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 42 Resp: 14760

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.8	50.6
71	40.1	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
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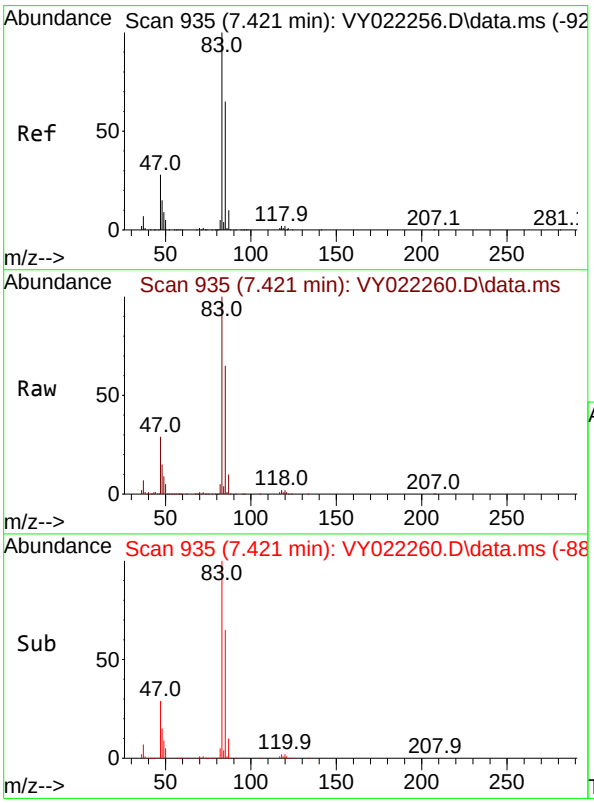
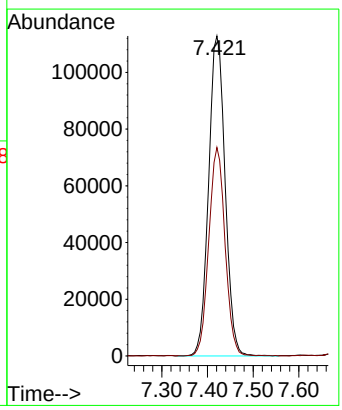
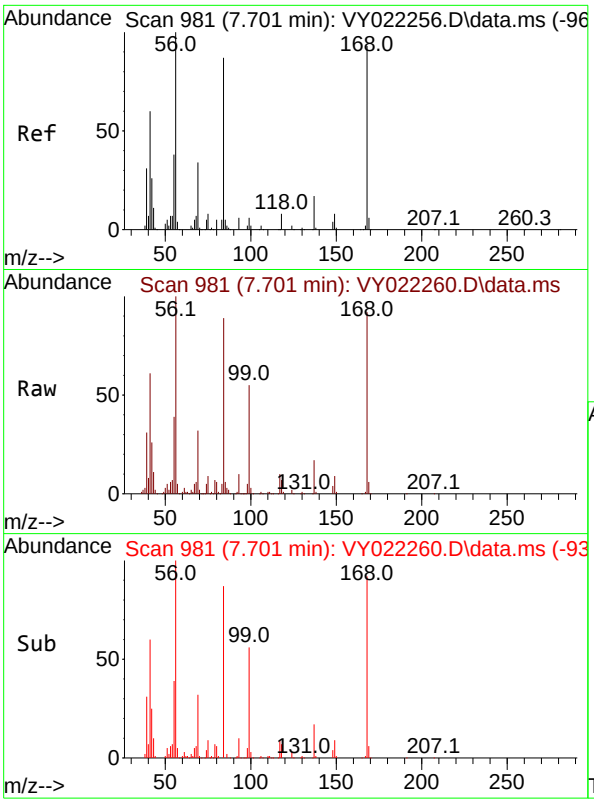


#30
Chloroform
Concen: 52.810 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 283264

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8

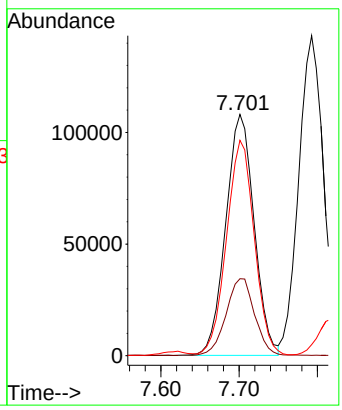




#31
Cyclohexane
Concen: 48.673 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 56 Resp: 27194

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.5	70.0	105.0



Instrument :
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ClientSampleId :
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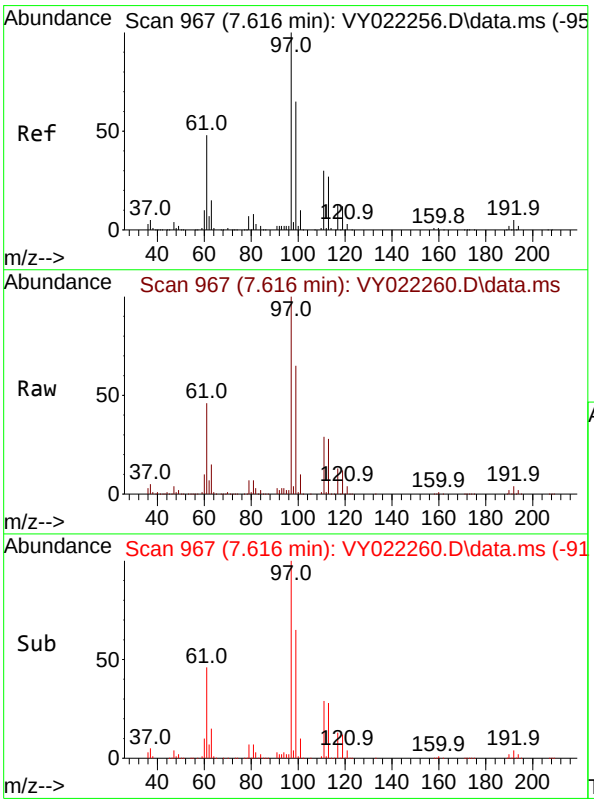
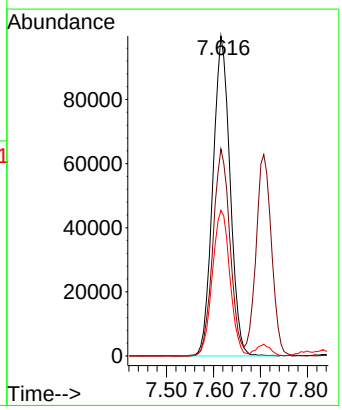
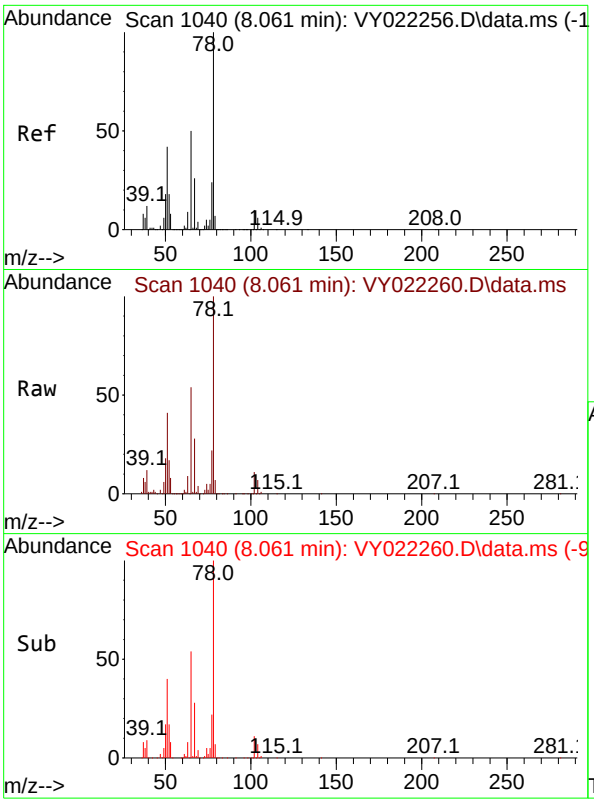


#32
1,1,1-Trichloroethane
Concen: 51.523 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 97 Resp: 253549

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	46.6	38.1	57.1

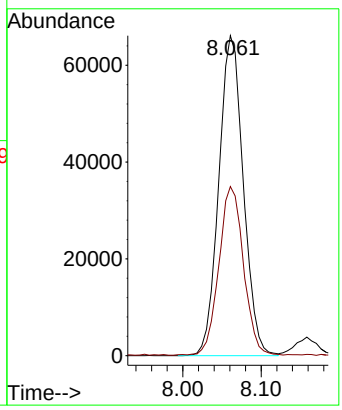




#33
1,2-Dichloroethane-d4
Concen: 52.104 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 65 Resp: 14390

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
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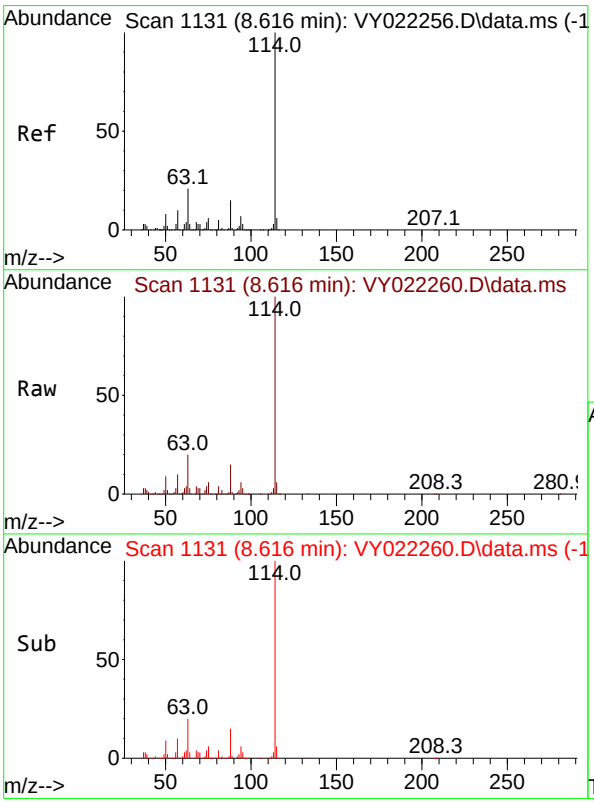
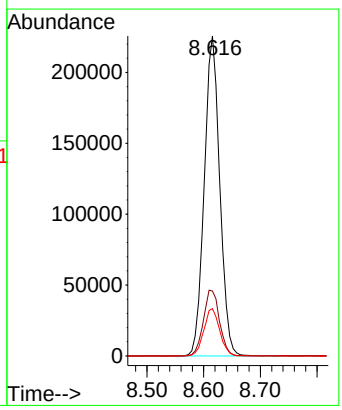
Supervised By :Semsettin Yesilyurt 05/16/2025

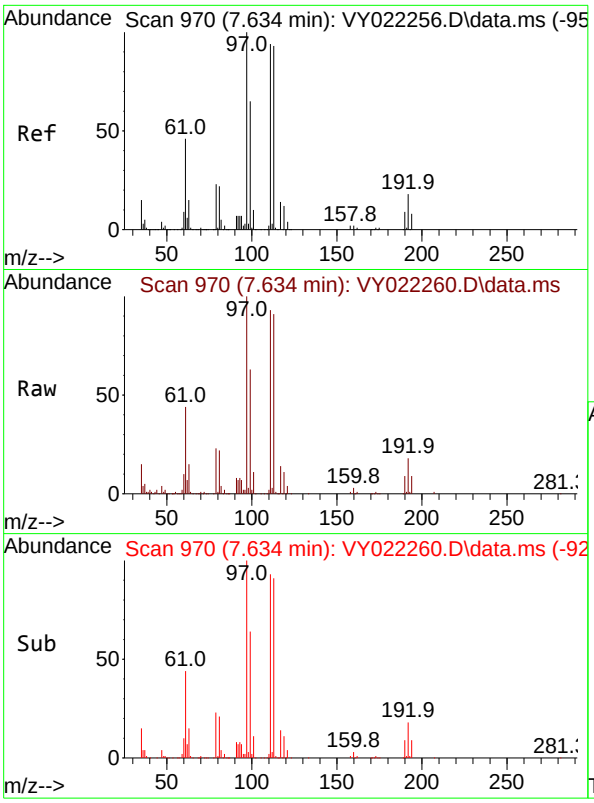


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:114 Resp: 428969

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	14.8	0.0	29.4

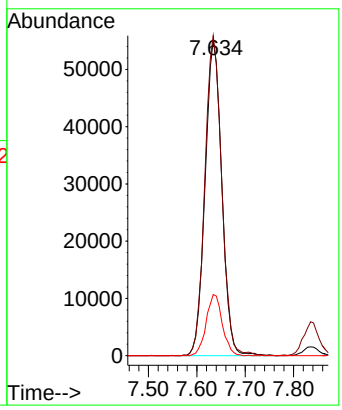




#35
Dibromofluoromethane
Concen: 51.658 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:113 Resp: 13226

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	18.7	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
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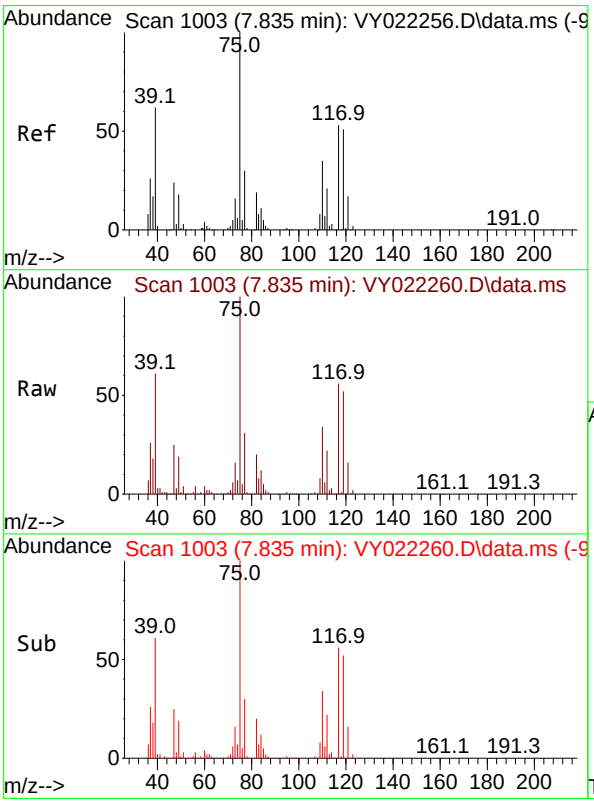
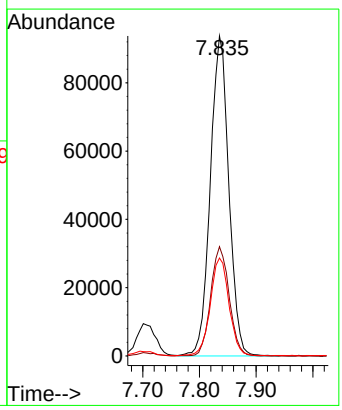
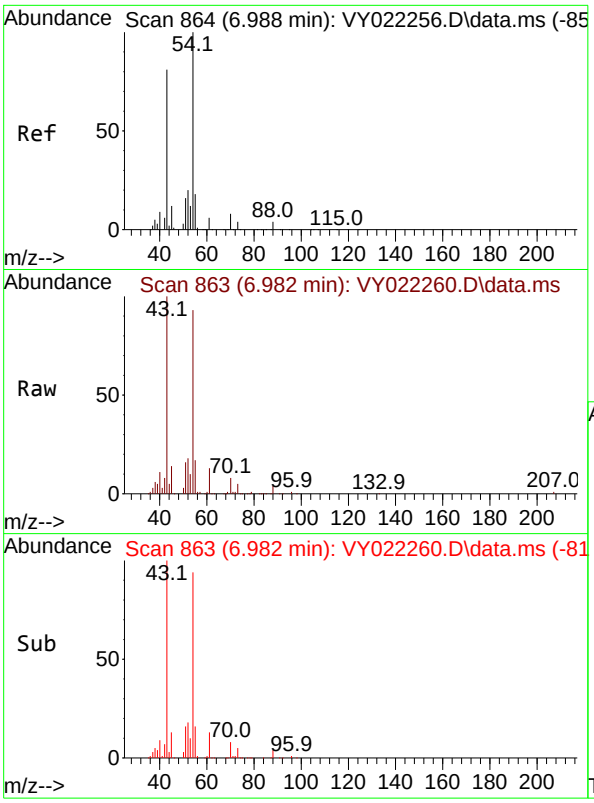


#36
1,1-Dichloropropene
Concen: 50.457 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 212786

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.6	49.8
77	30.7	24.6	37.0





#37
Ethyl Acetate
Concen: 50.633 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 10274

Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.2
70	8.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
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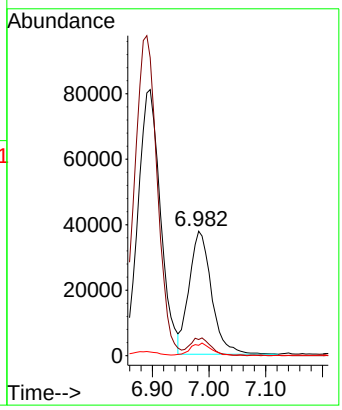
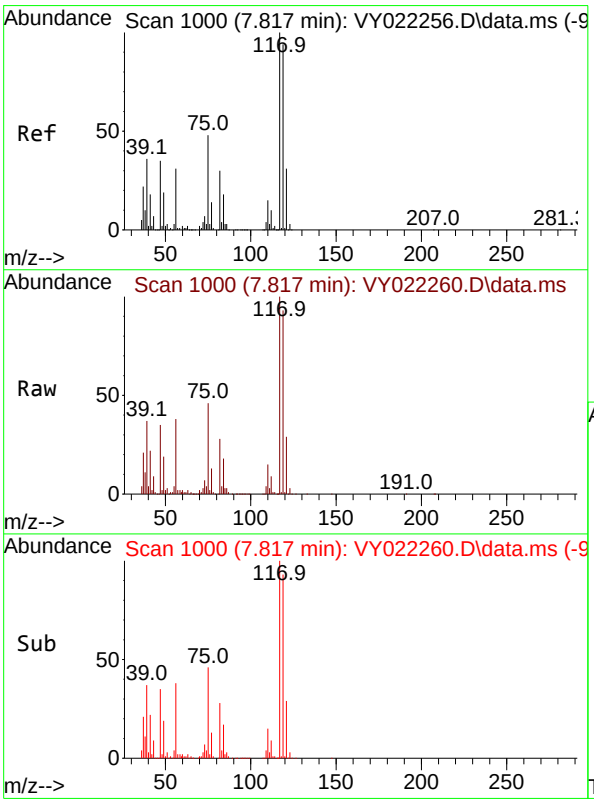
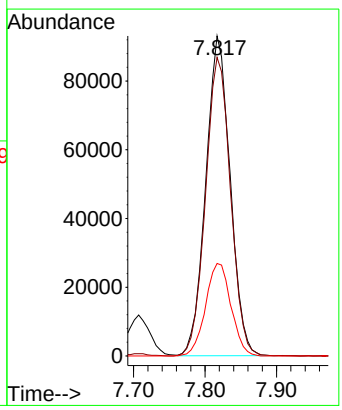


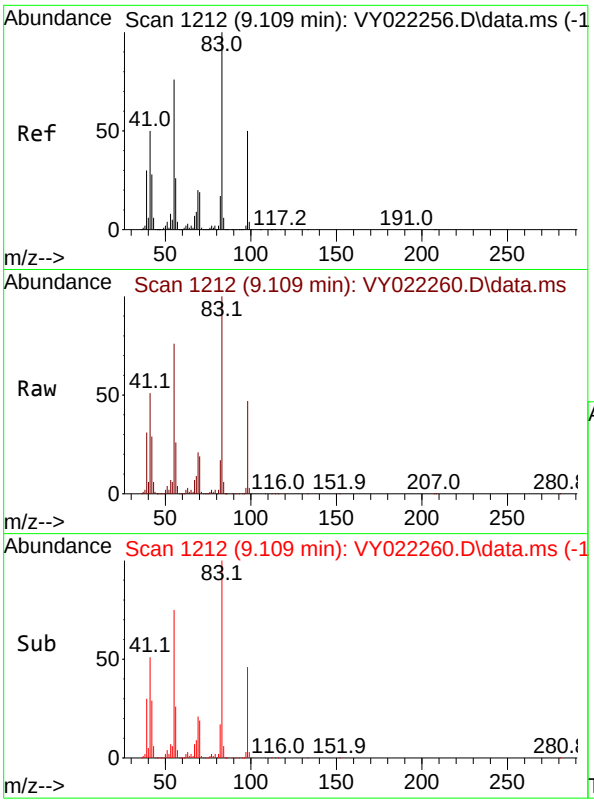


#38
Carbon Tetrachloride
Concen: 50.543 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 220636

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.3	112.9
121	28.9	24.7	37.1





#39
Methylcyclohexane
Concen: 50.015 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 28337

Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.6	90.8
98	46.5	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
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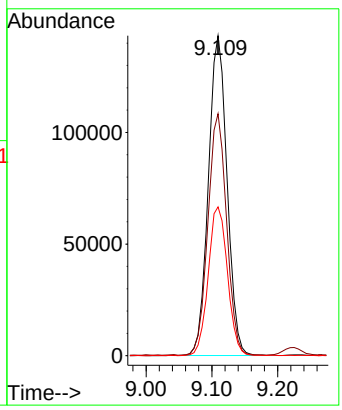
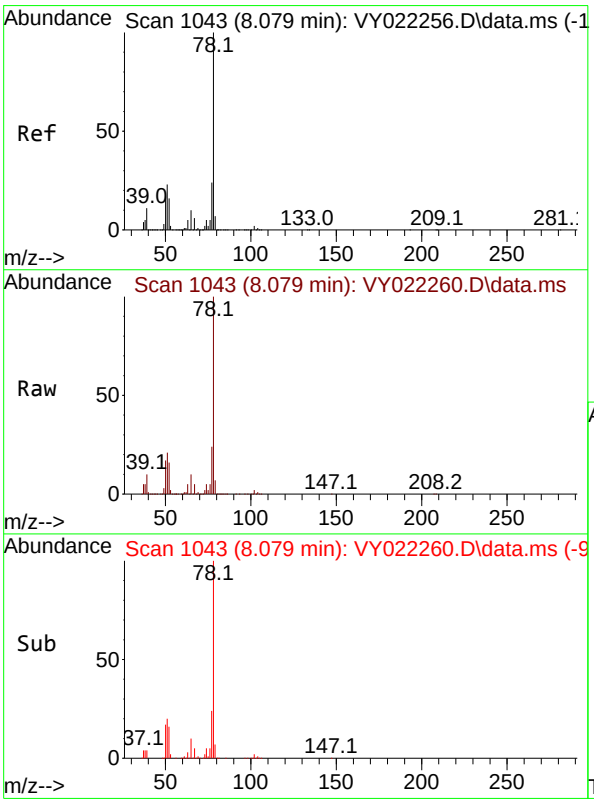
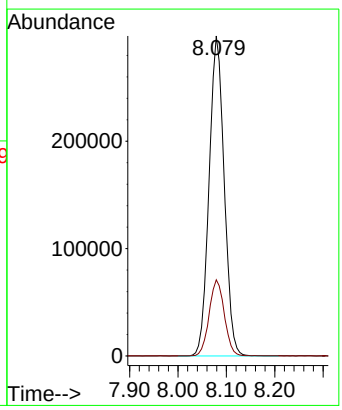


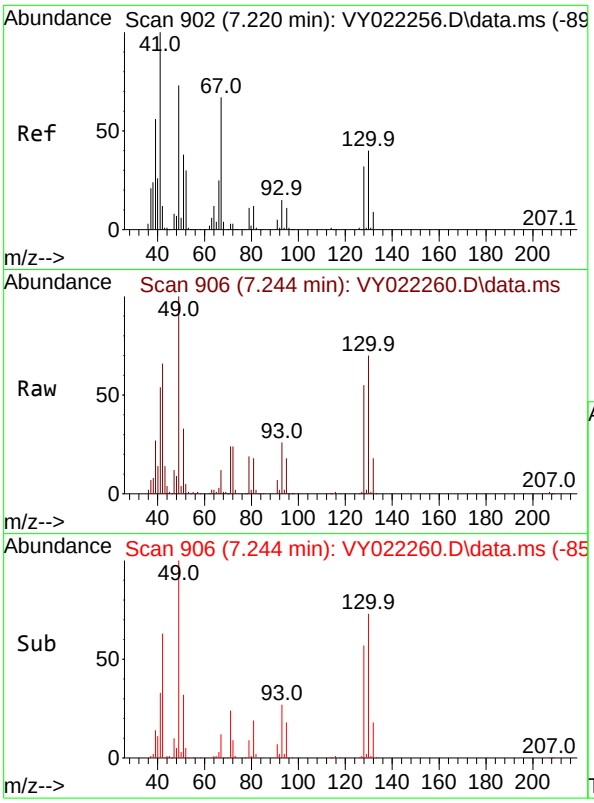


#40
Benzene
Concen: 51.696 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 78 Resp: 646289

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3

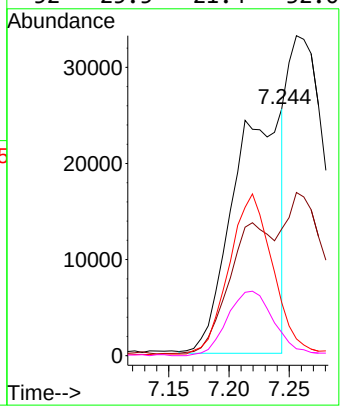




#41
Methacrylonitrile
Concen: 53.599 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.024 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 7214

Ion	Ratio	Lower	Upper
41	100		
39	48.1	39.1	58.7
67	58.4	47.1	70.7
52	25.5	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
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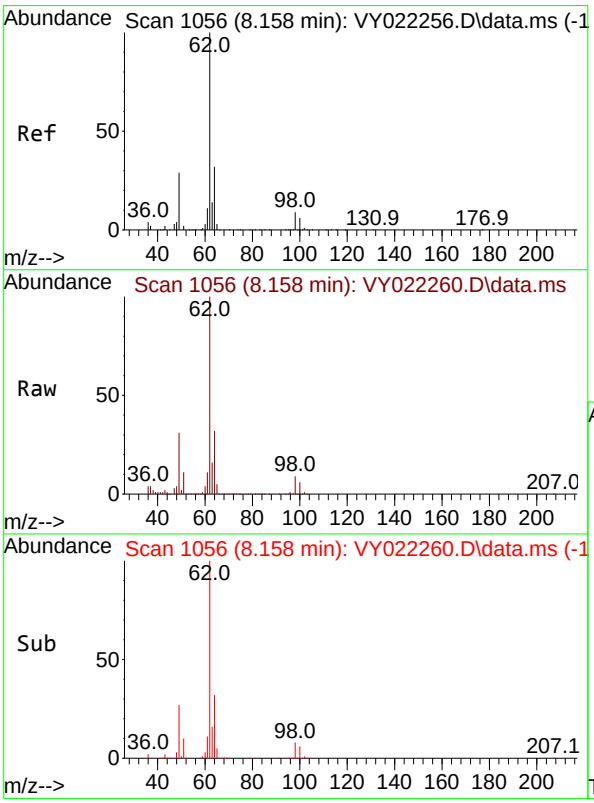
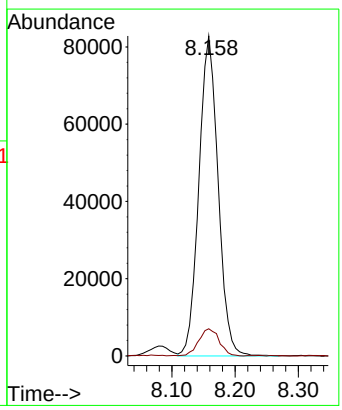
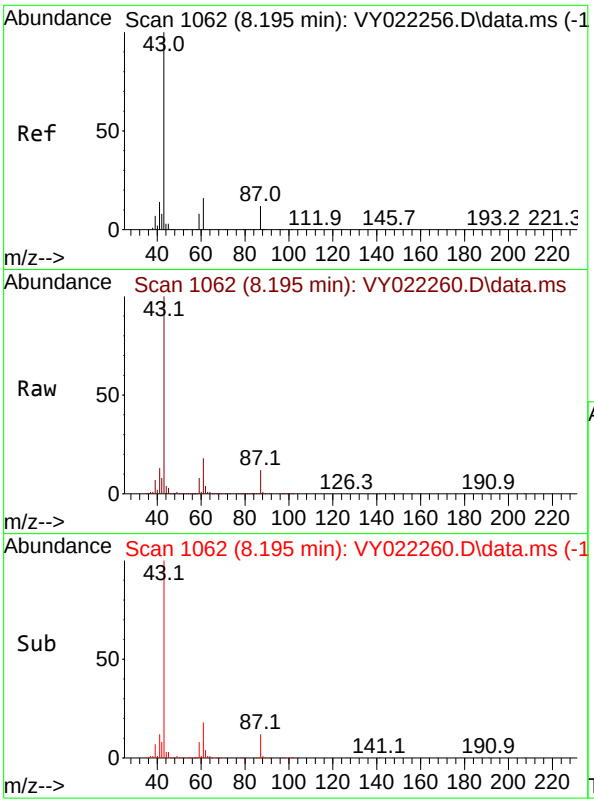


#42
1,2-Dichloroethane
Concen: 51.834 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 175241

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 51.415 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 22752

Ion	Ratio	Lower	Upper
43	100		
61	26.5	15.1	22.7#
87	11.9	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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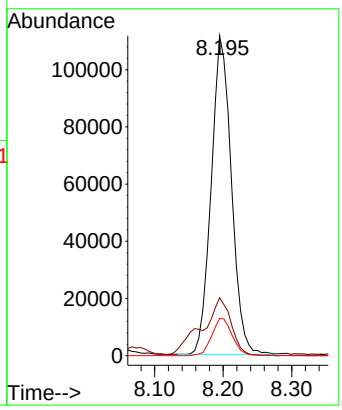
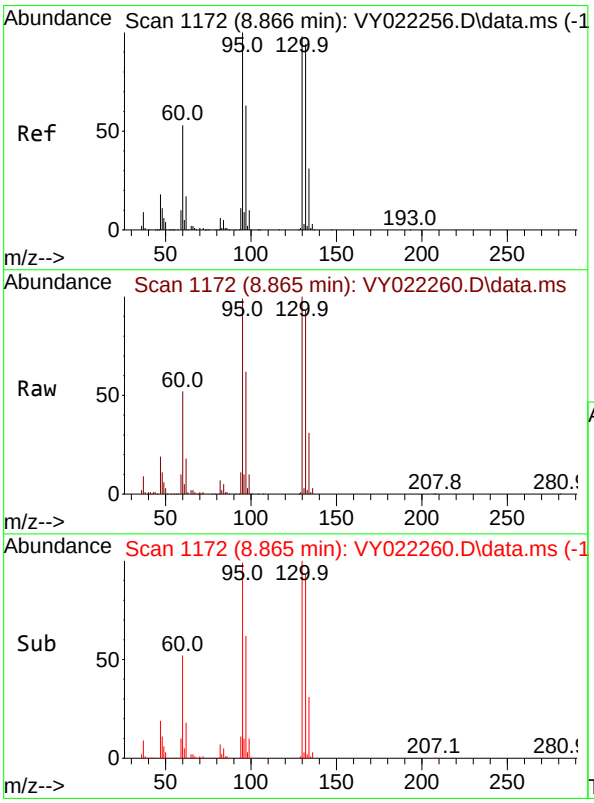
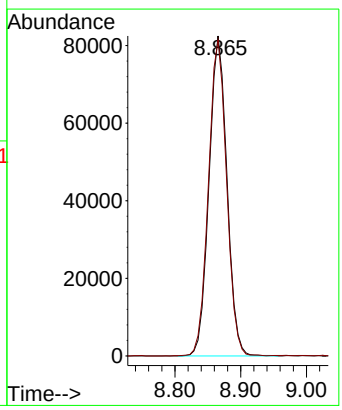


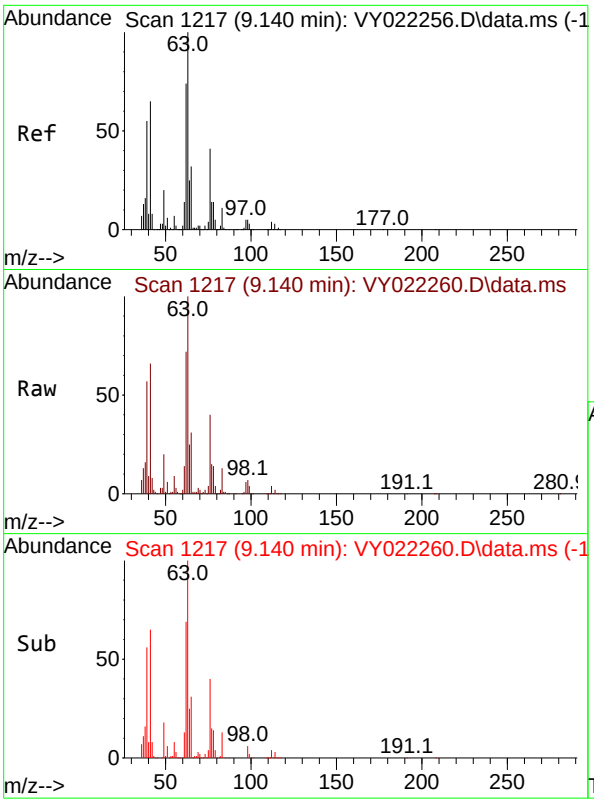


#44
Trichloroethene
Concen: 50.335 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:130 Resp: 156468

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	204.8

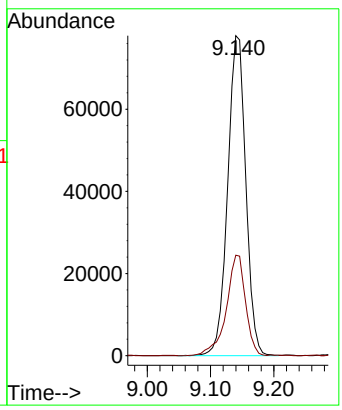




#45
1,2-Dichloropropane
Concen: 51.417 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 15497

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
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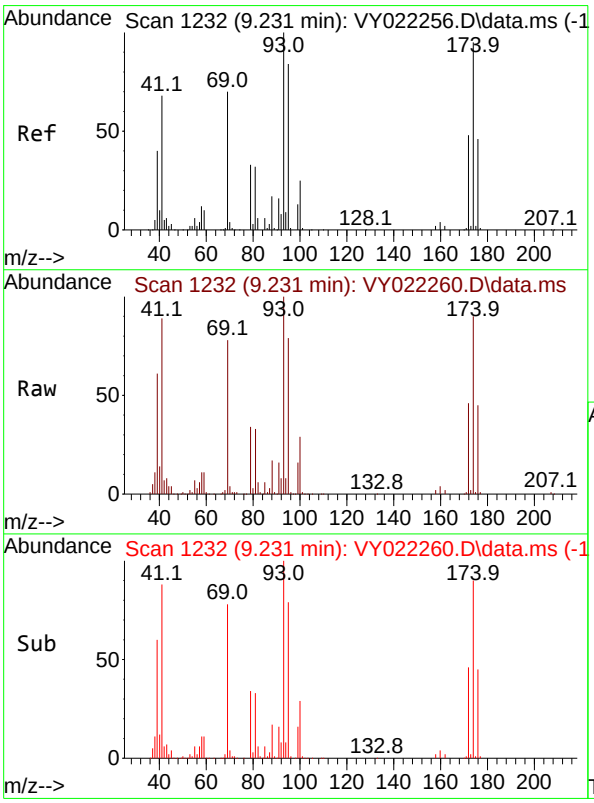
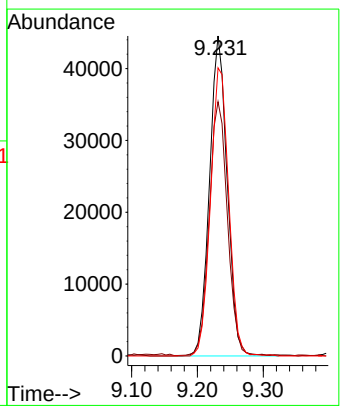
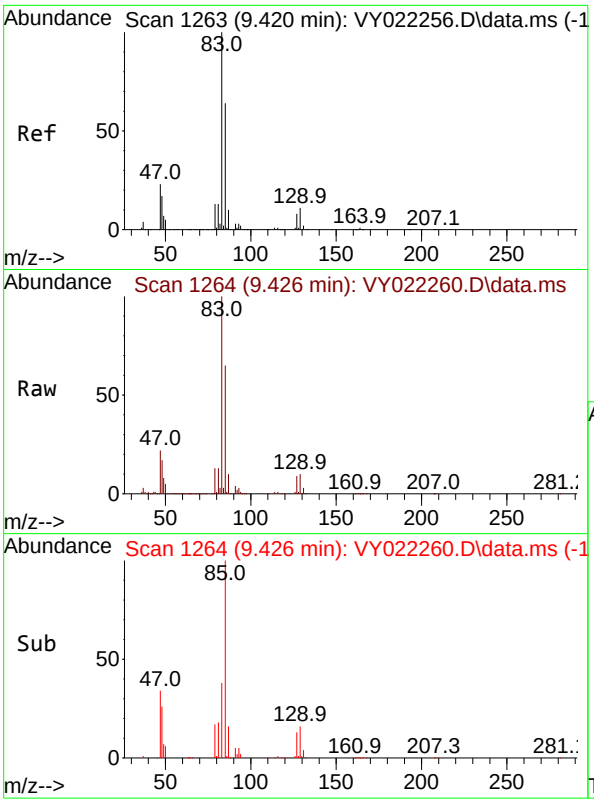


#46
Dibromomethane
Concen: 51.423 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 93 Resp: 83597

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.2	97.8
174	92.4	74.3	111.5

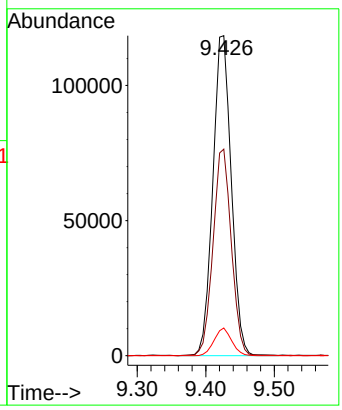




#47
Bromodichloromethane
Concen: 52.508 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 22144

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	8.6	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
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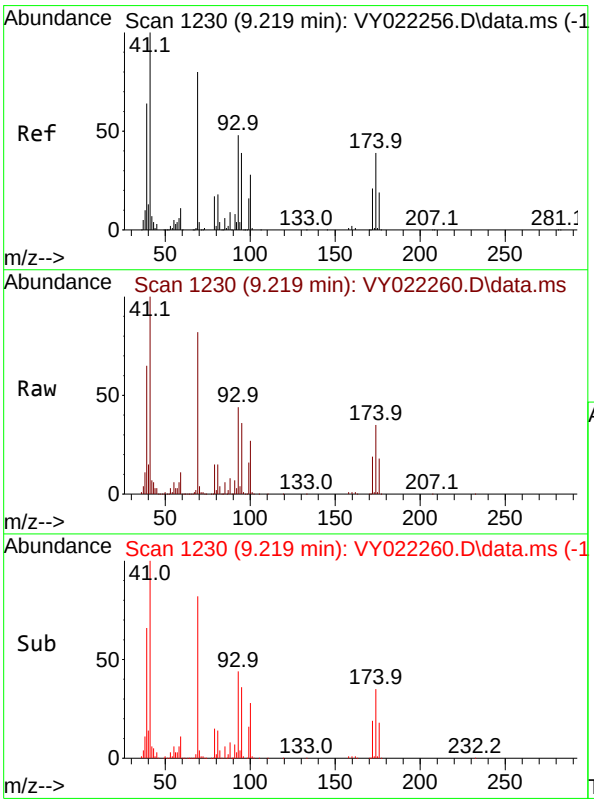
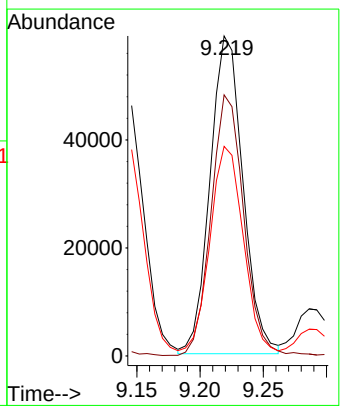
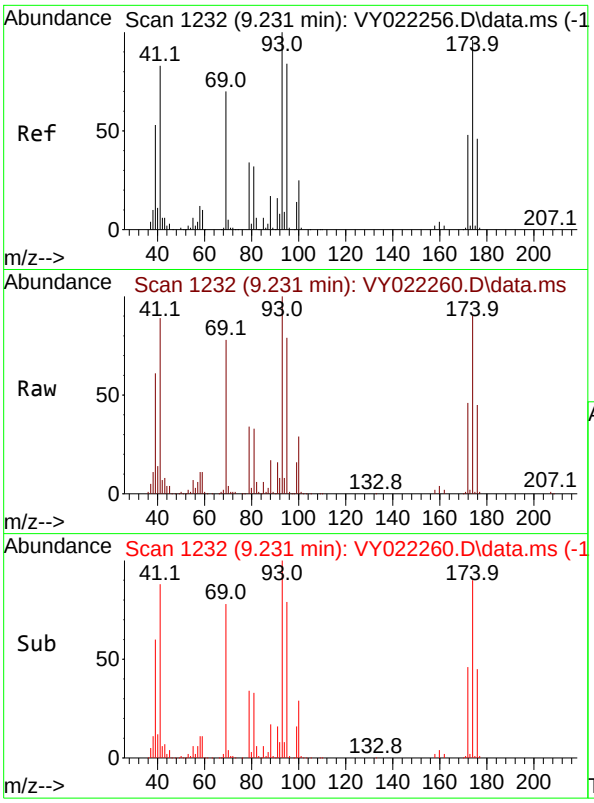


#48
Methyl methacrylate
Concen: 51.357 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 106283

Ion	Ratio	Lower	Upper
41	100		
69	81.5	63.5	95.3
39	64.6	50.8	76.2

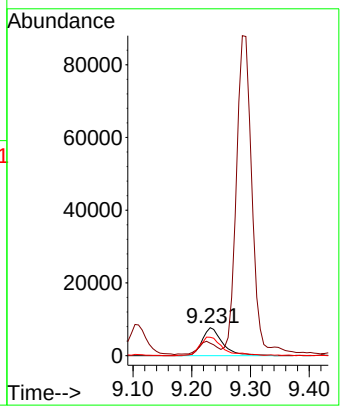




#49
1,4-Dioxane
Concen: 1008.479 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 88 Resp: 1852

Ion	Ratio	Lower	Upper
88	100		
43	40.7	28.5	42.7
58	74.5	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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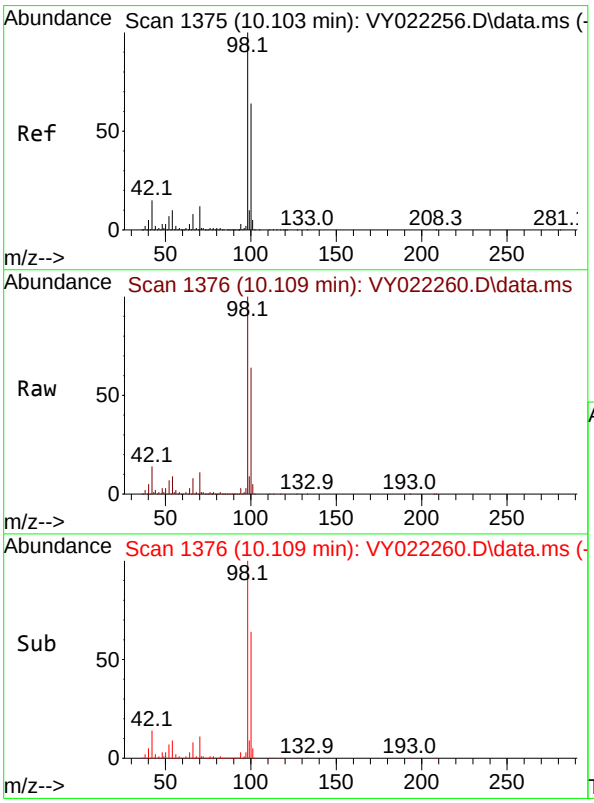
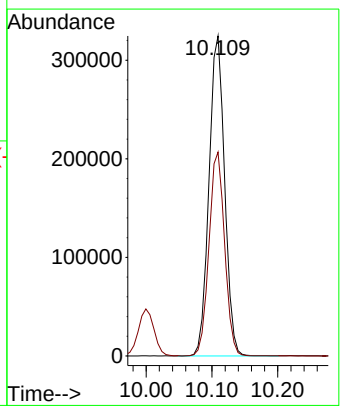
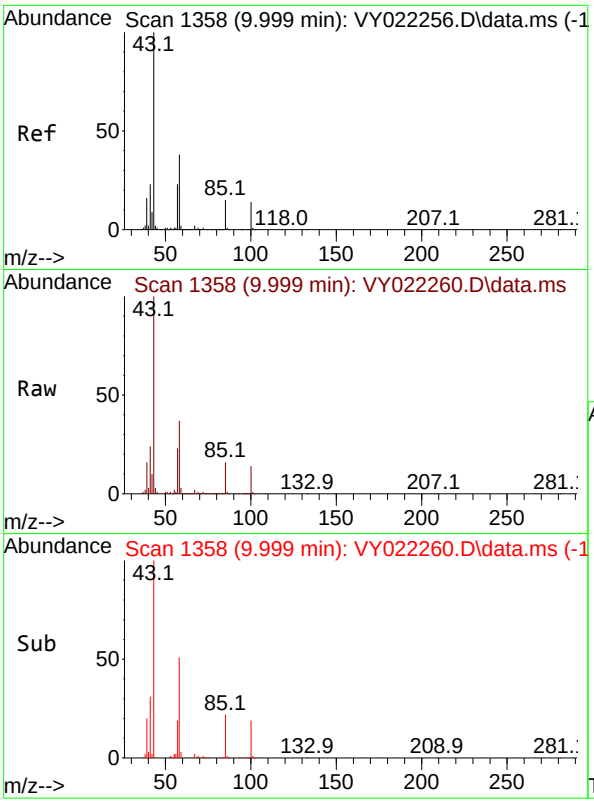


#50
Toluene-d8
Concen: 51.229 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 98 Resp: 537188

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.8	77.8

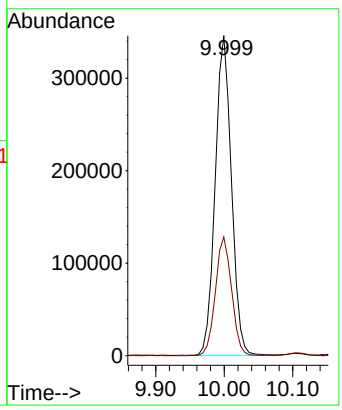




#51
4-Methyl-2-Pentanone
Concen: 261.463 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 56772

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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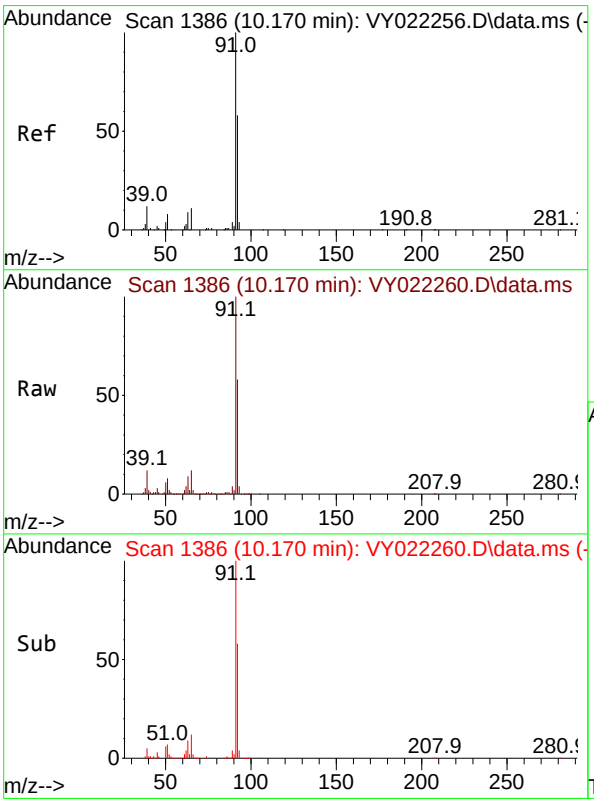
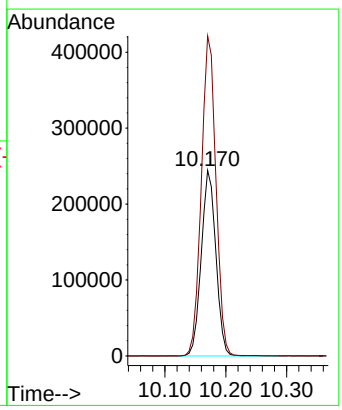
Supervised By :Semsettin Yesilyurt 05/16/2025

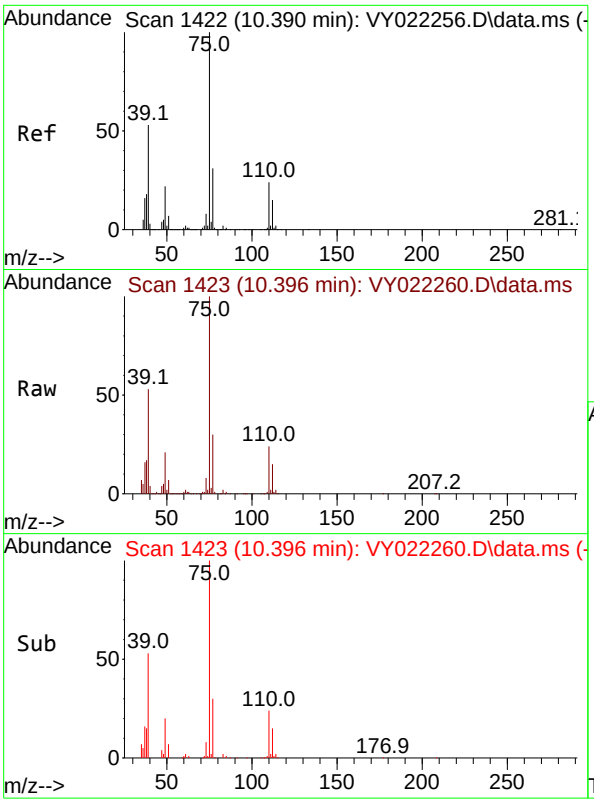


#52
Toluene
Concen: 51.337 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 92 Resp: 406420

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.1	208.7

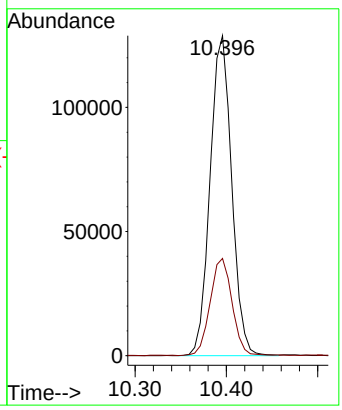




#53
t-1,3-Dichloropropene
Concen: 51.458 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 21179

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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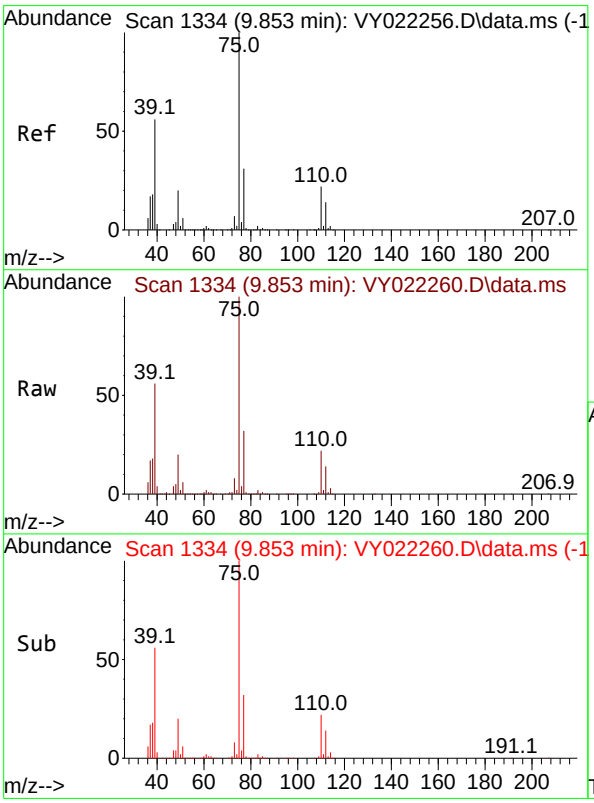
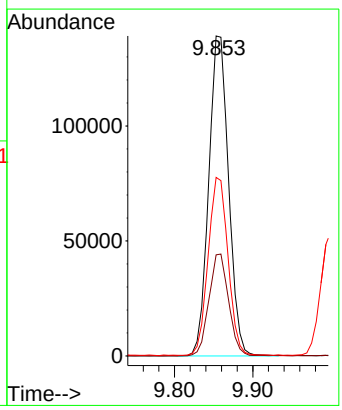
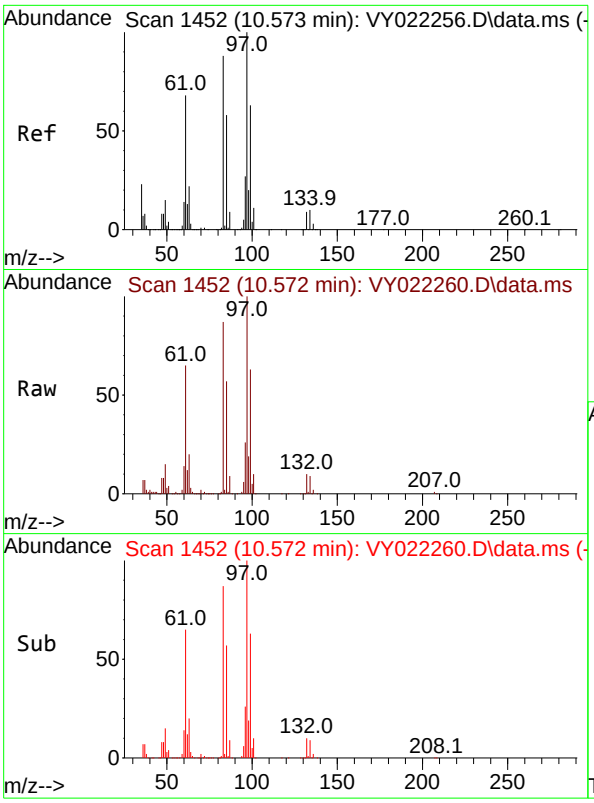


#54
cis-1,3-Dichloropropene
Concen: 51.916 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 244811

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	55.6	44.5	66.7

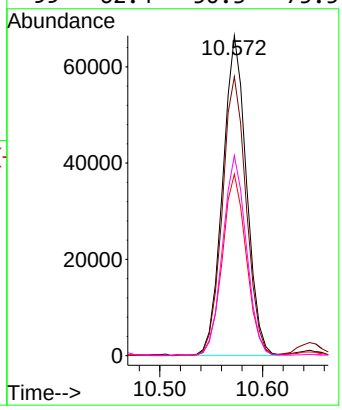




#55
1,1,2-Trichloroethane
Concen: 51.142 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 97 Resp: 10646

Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.3	105.5
85	56.6	46.2	69.4
99	62.4	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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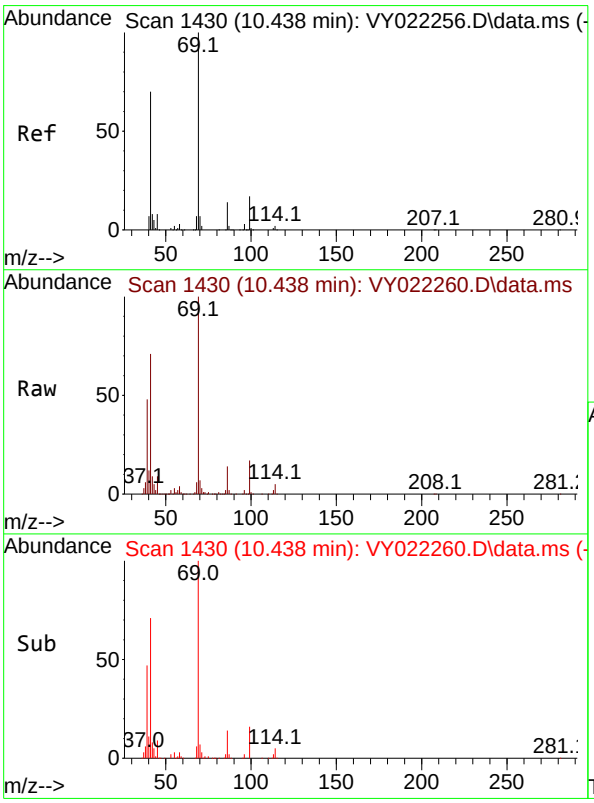
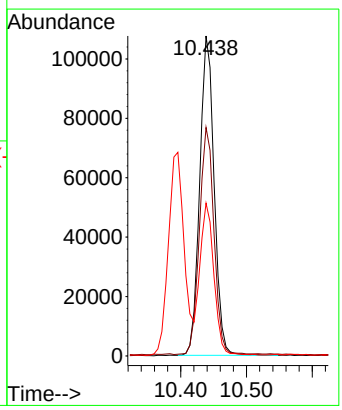
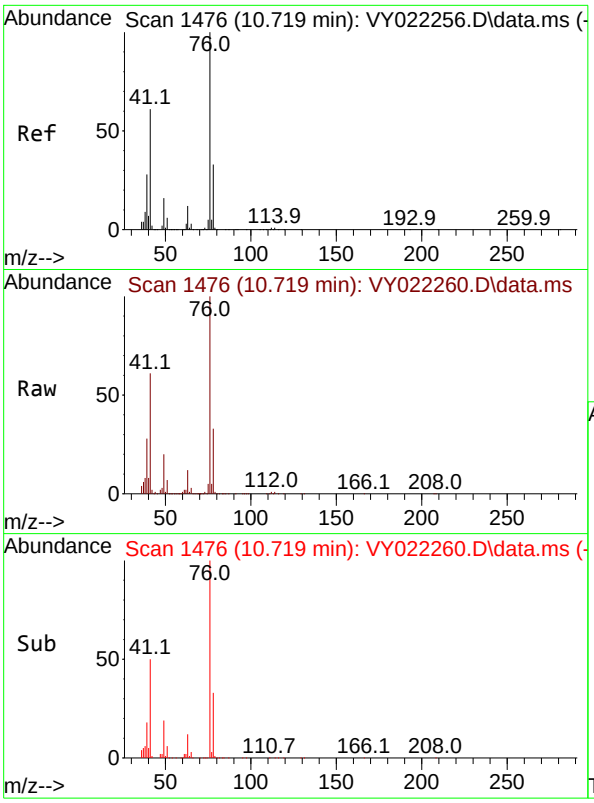


#56
Ethyl methacrylate
Concen: 50.639 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 69 Resp: 164207

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.5	84.7
39	45.6	37.1	55.7

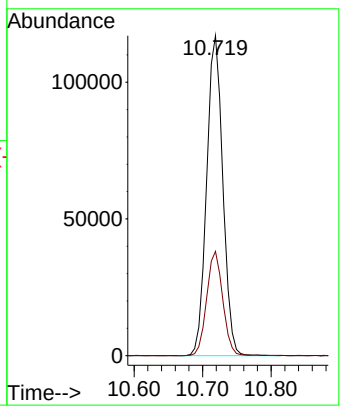




#57
1,3-Dichloropropane
Concen: 51.880 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 76 Resp: 19188

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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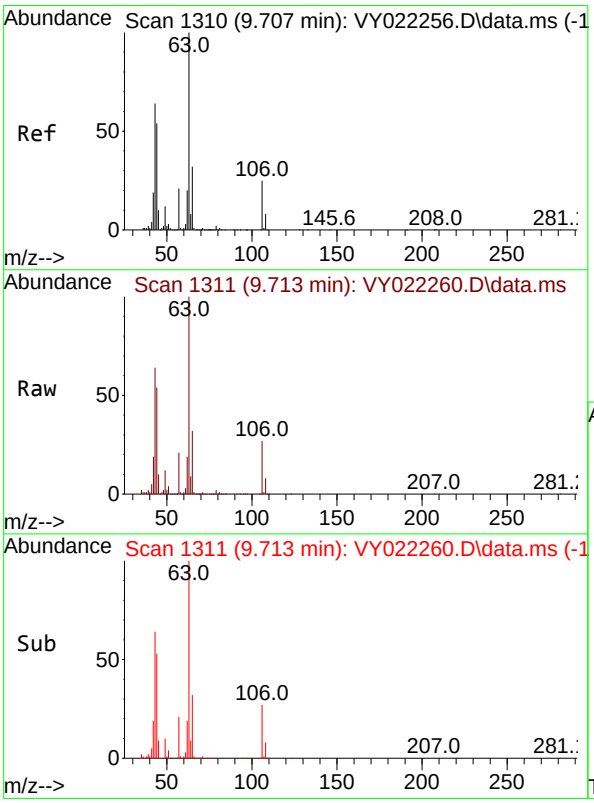
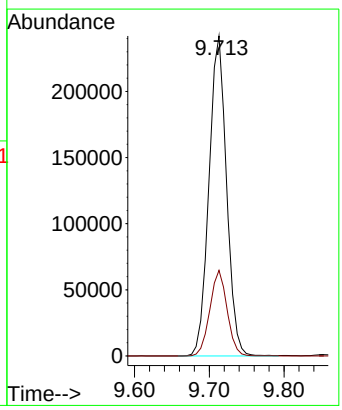
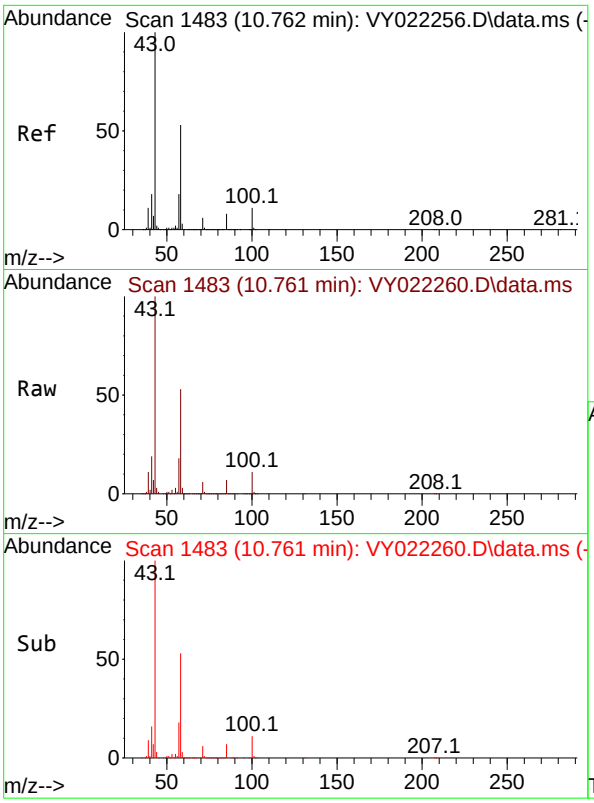


#58
2-Chloroethyl Vinyl ether
Concen: 271.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 394587

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4





#59
2-Hexanone
Concen: 257.738 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 37522

Ion	Ratio	Lower	Upper
43	100		
58	52.0	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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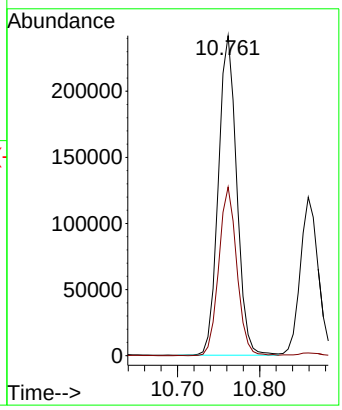
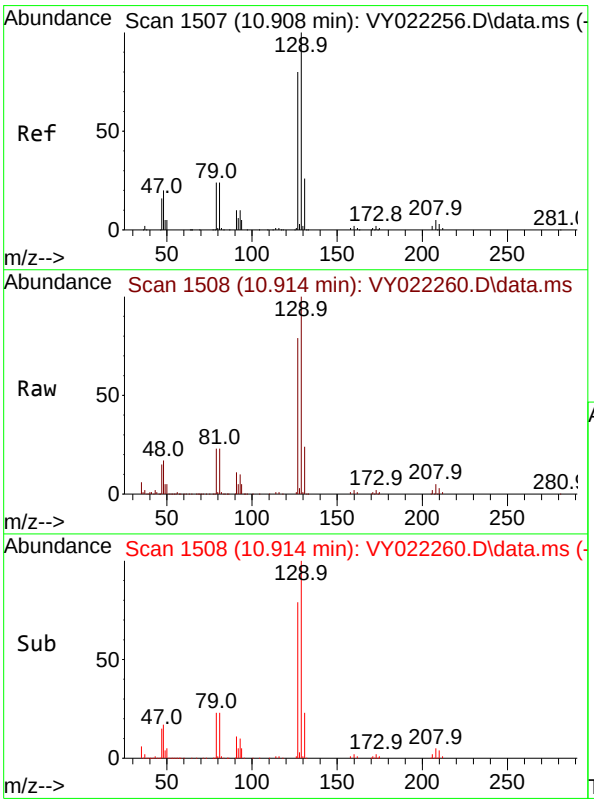
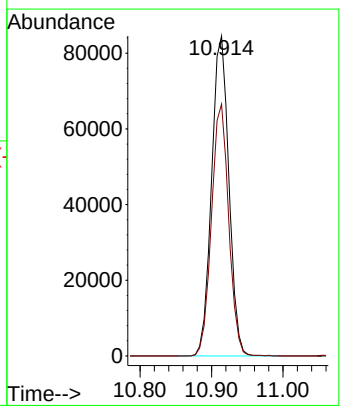


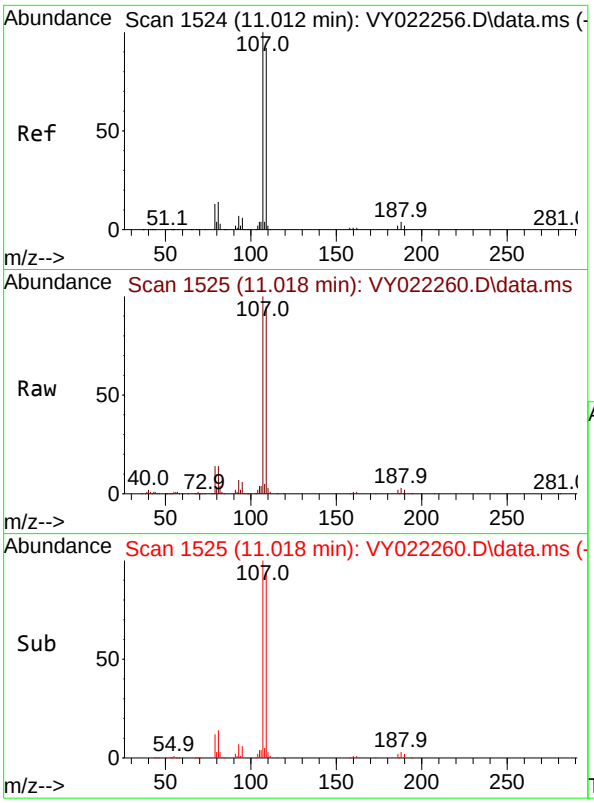


#60
Dibromochloromethane
Concen: 52.425 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:129 Resp: 141652

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7

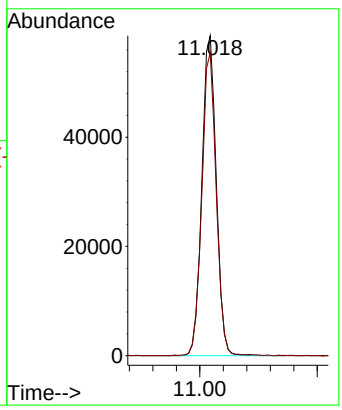




#61
1,2-Dibromoethane
Concen: 51.428 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:107 Resp: 9978

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
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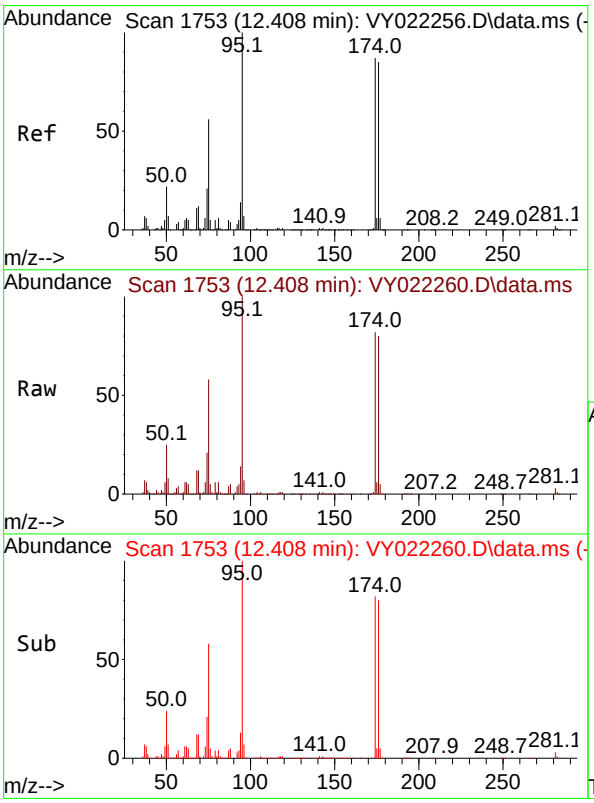
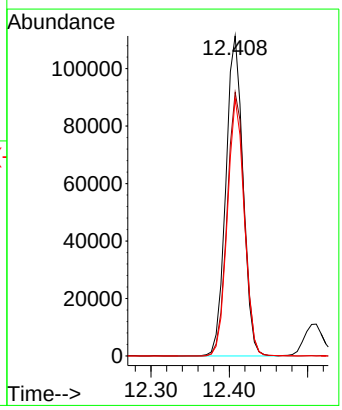
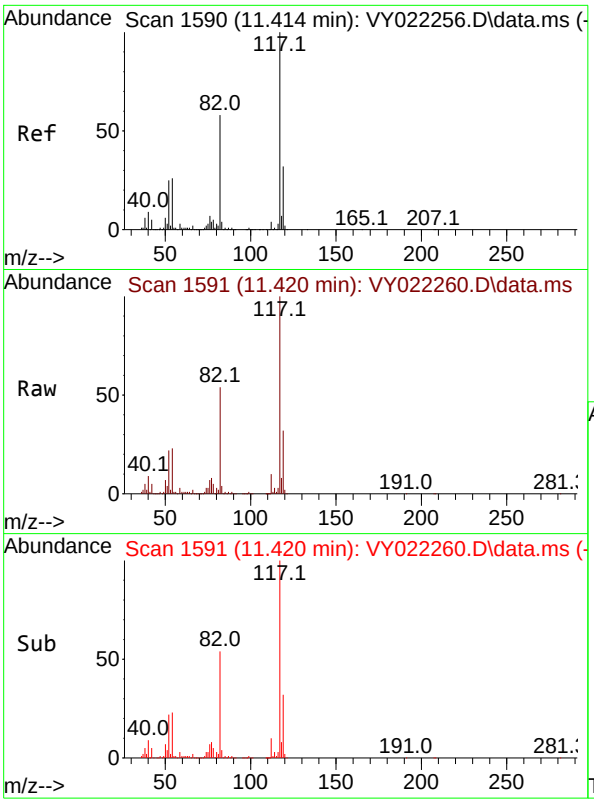


#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 95 Resp: 169575

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	166.8
176	79.1	0.0	160.8

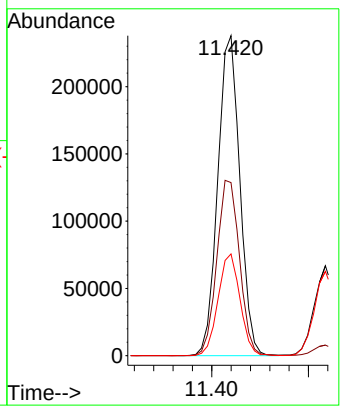




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 37554

Ion	Ratio	Lower	Upper
117	100		
82	54.1	46.6	70.0
119	31.8	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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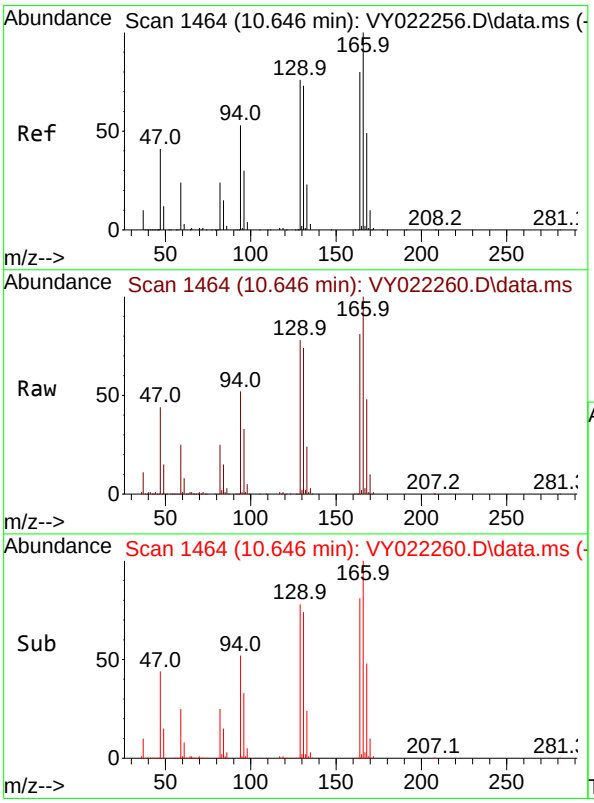
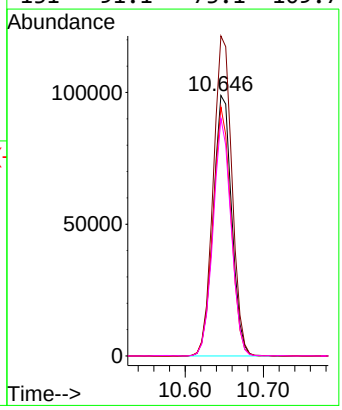
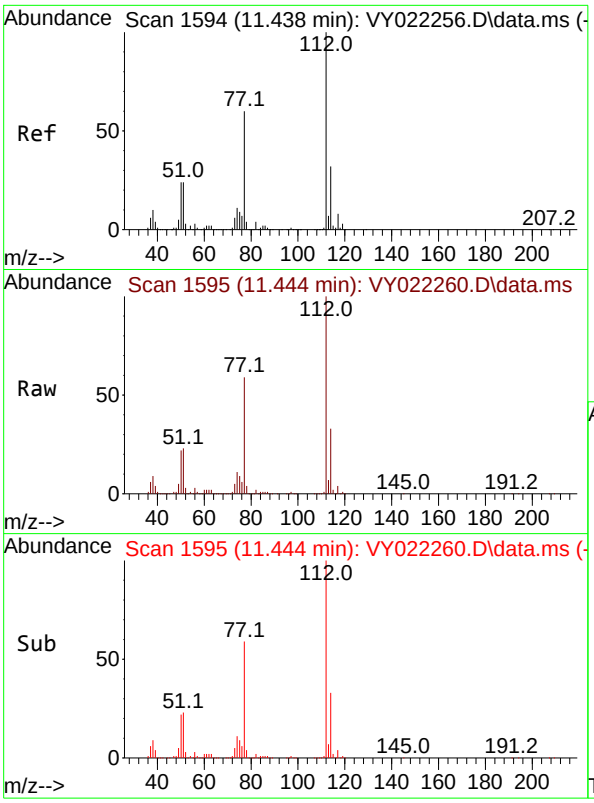


#64
Tetrachloroethene
Concen: 46.905 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:164 Resp: 162818

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.4	150.6
129	95.5	76.4	114.6
131	91.1	73.1	109.7

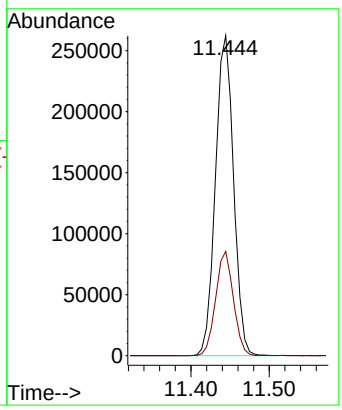




#65
Chlorobenzene
Concen: 49.827 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:112 Resp: 42217

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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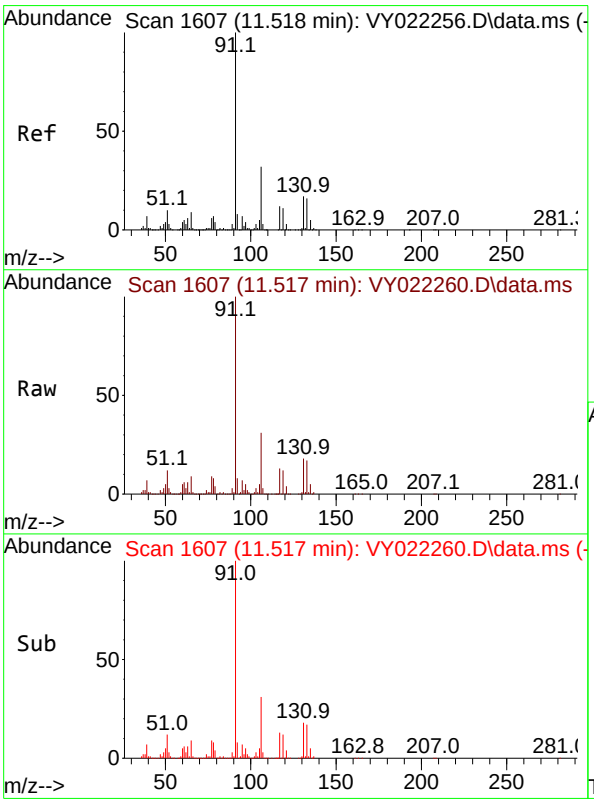
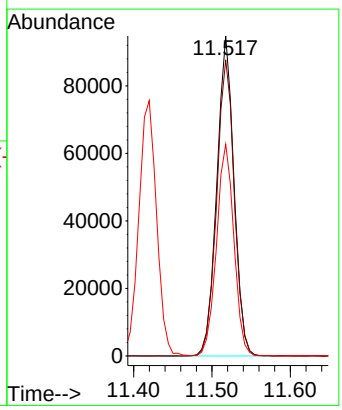
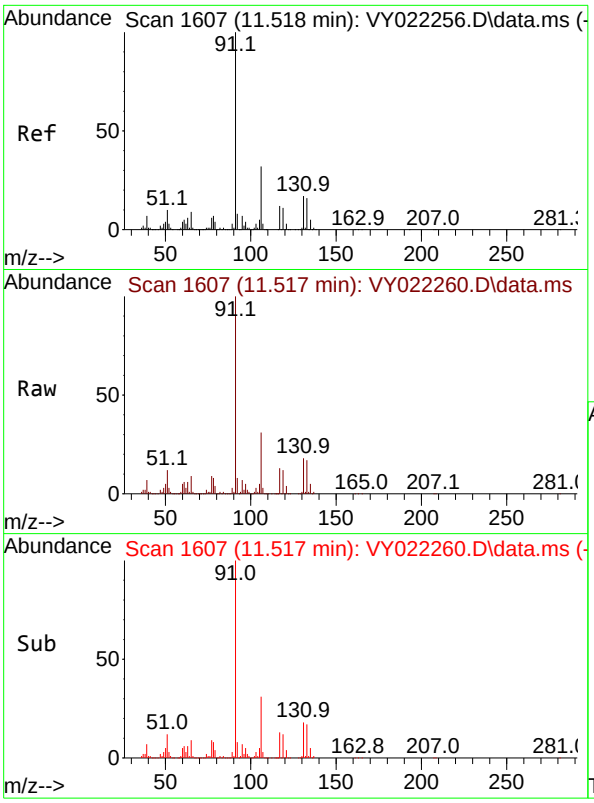


#66
1,1,1,2-Tetrachloroethane
Concen: 49.656 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:131 Resp: 144636

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	67.0	33.1	99.2

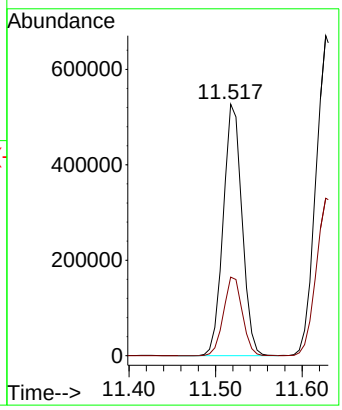




#67
Ethyl Benzene
Concen: 50.100 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 79497

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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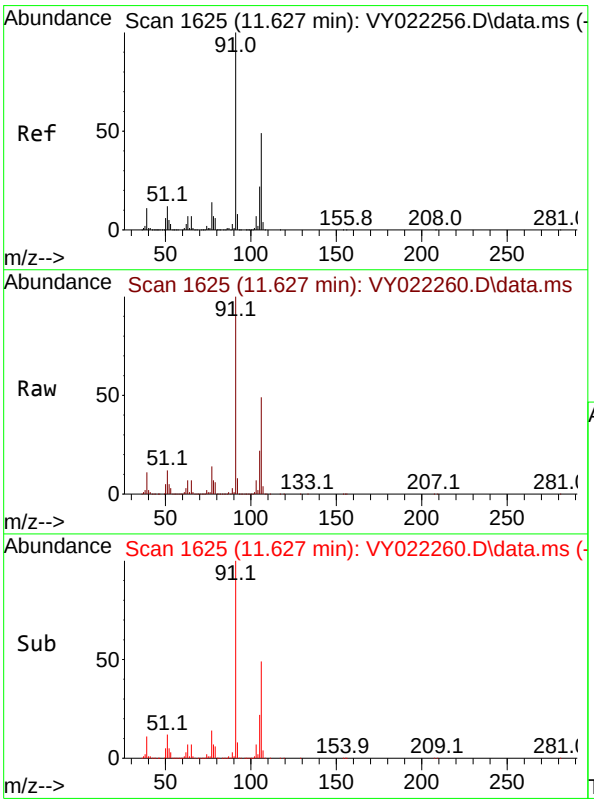
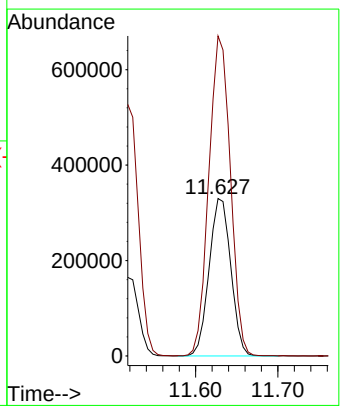
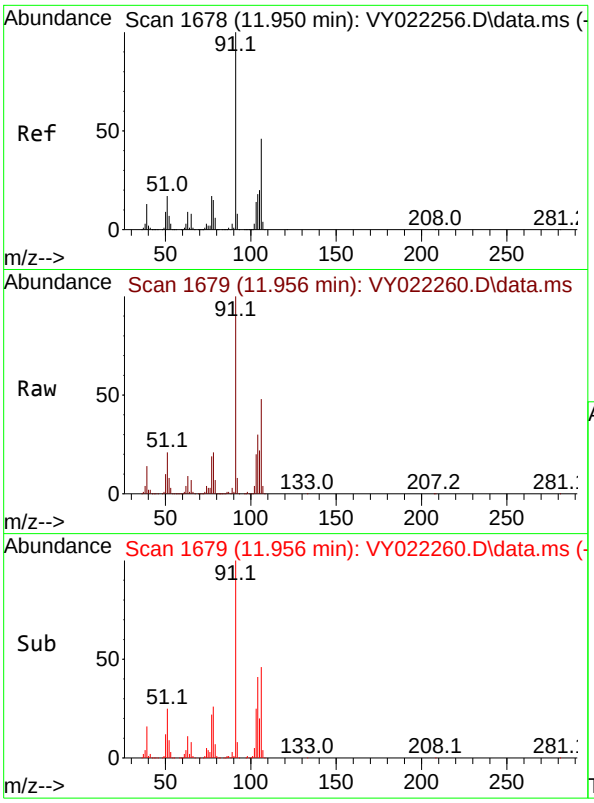


#68
m/p-Xylenes
Concen: 101.087 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:106 Resp: 604420

Ion	Ratio	Lower	Upper
106	100		
91	202.6	163.0	244.4

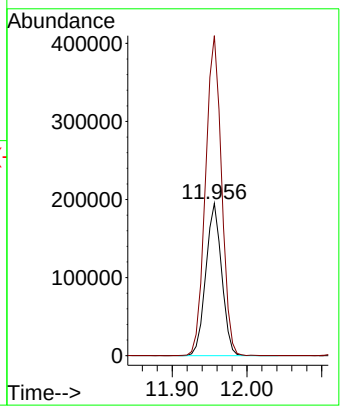




#69
o-Xylene
Concen: 50.682 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:106 Resp: 28671

Ion	Ratio	Lower	Upper
106	100		
91	213.3	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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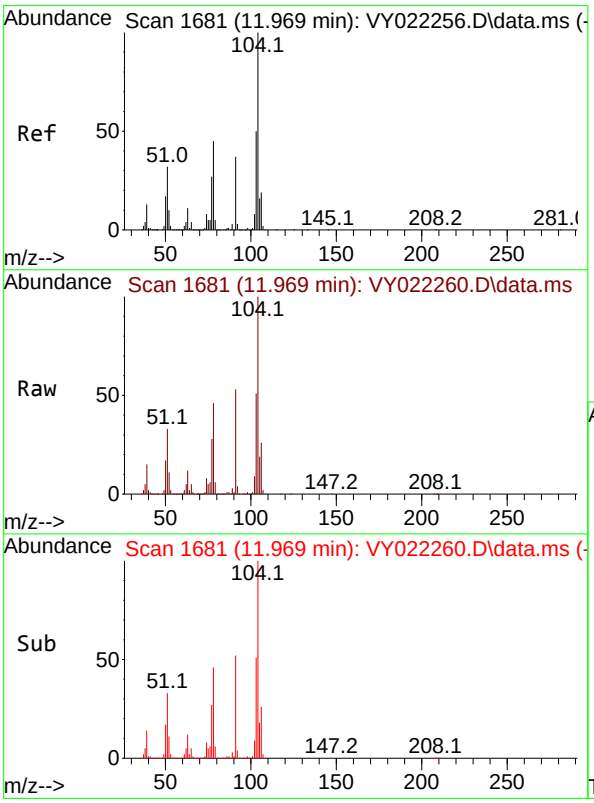
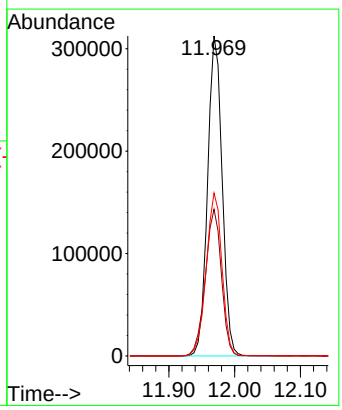
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

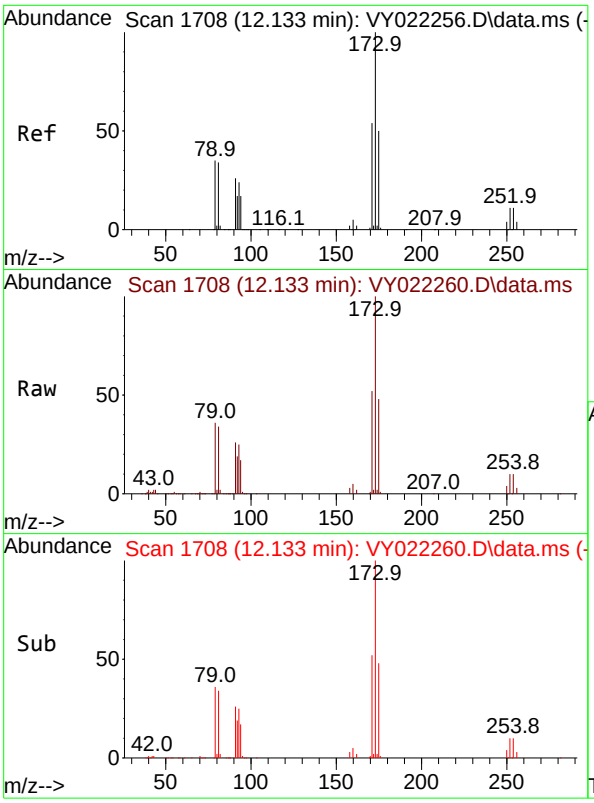


#70
Styrene
Concen: 50.471 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:104 Resp: 481621

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.9	61.3
103	55.1	43.7	65.5

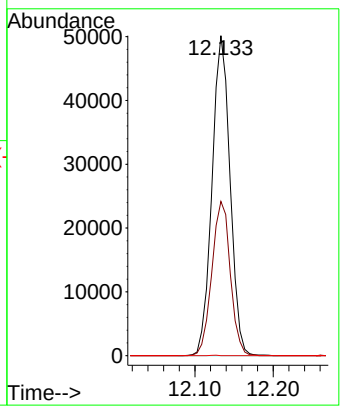




#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:173 Resp: 8021

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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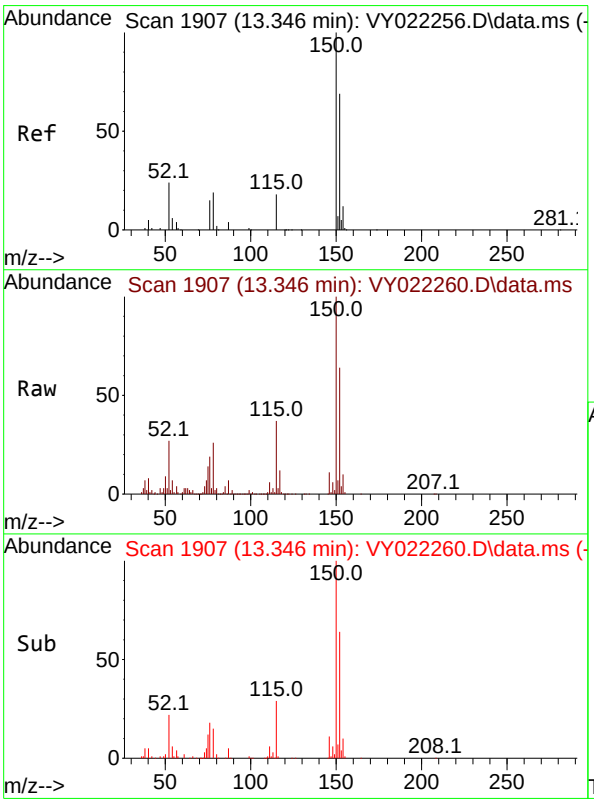
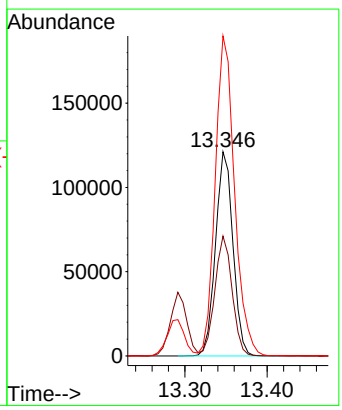
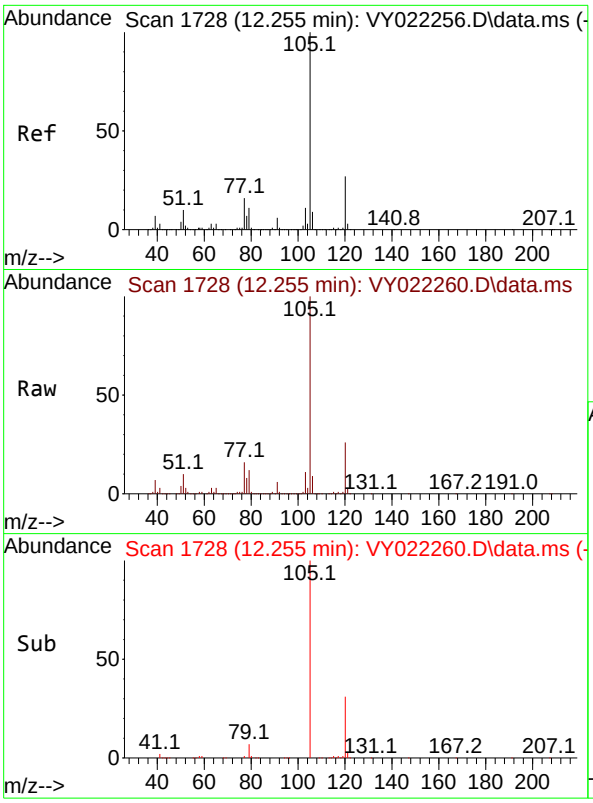


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:152 Resp: 178387

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	173.8	0.0	353.8

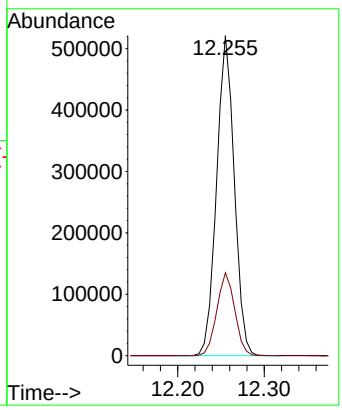




#73
Isopropylbenzene
Concen: 49.964 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 73839

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6



Instrument :
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ClientSampleId :
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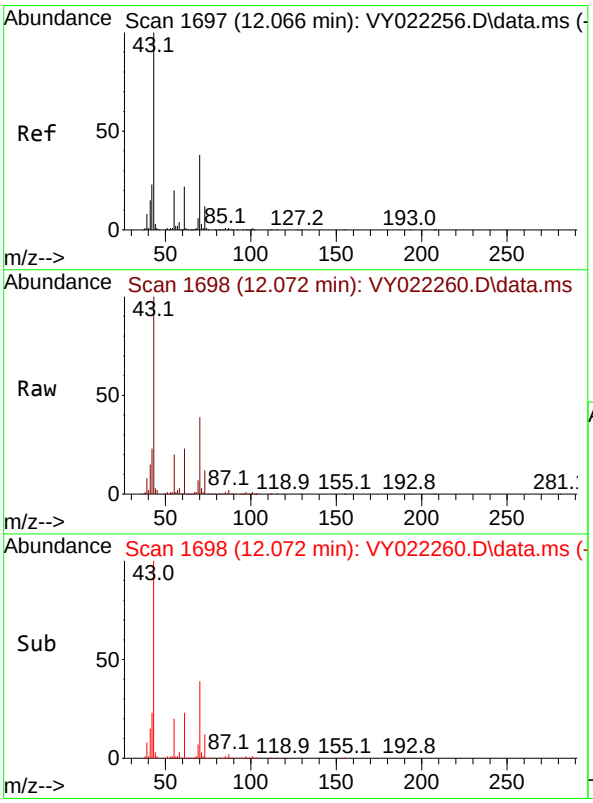
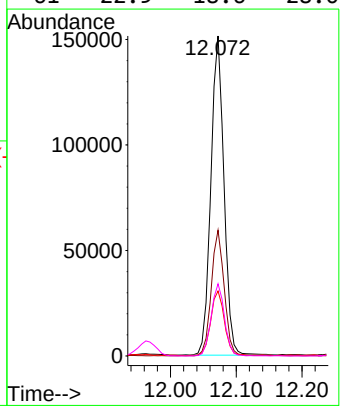
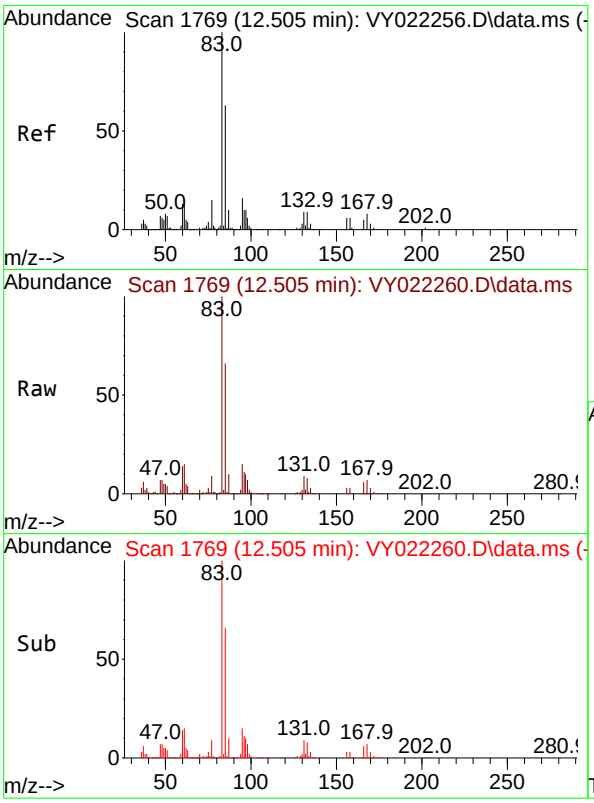


#74
N-amyl acetate
Concen: 49.805 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 210510

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.4	47.0
55	20.7	17.0	25.6
61	22.9	18.6	28.0

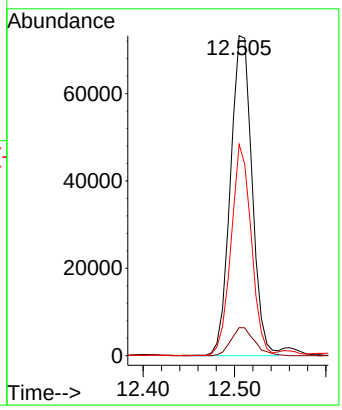




#75
1,1,2,2-Tetrachloroethane
Concen: 53.062 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 12059

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	61.7	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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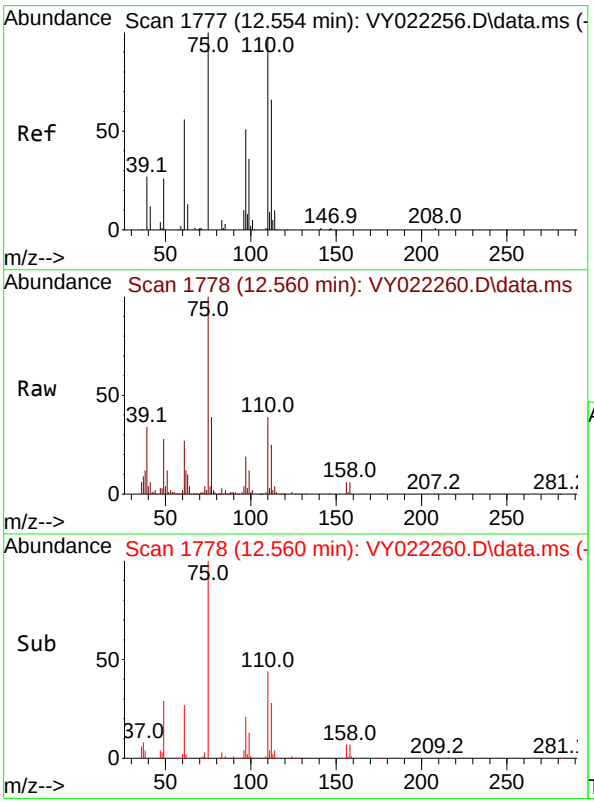
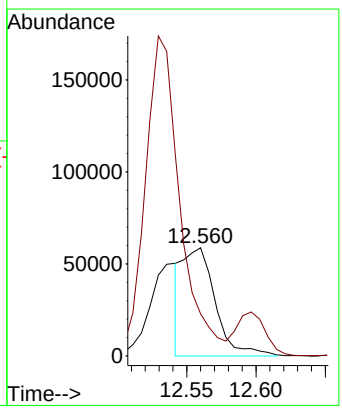
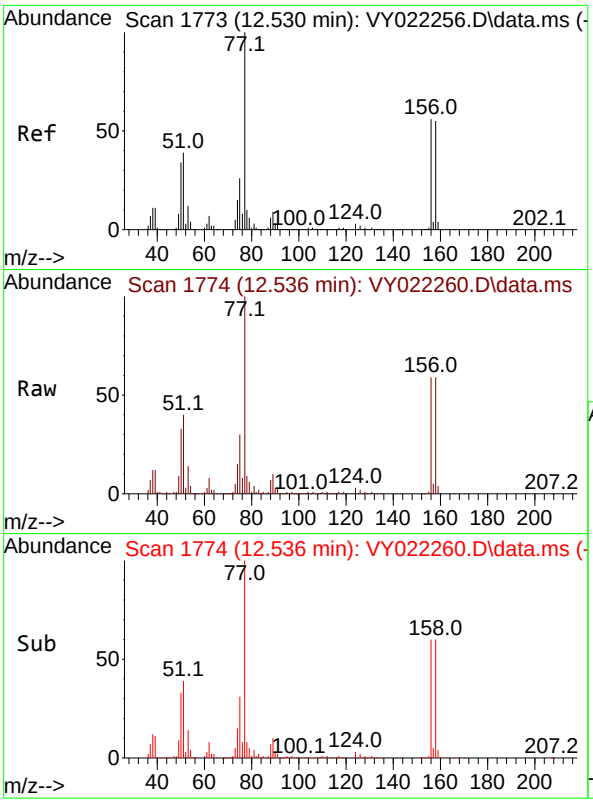


#76
1,2,3-Trichloropropane
Concen: 53.564 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 96804

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

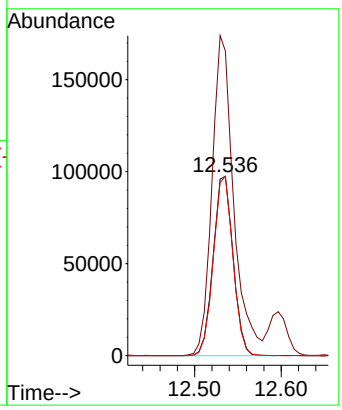




#77
Bromobenzene
Concen: 49.374 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:156 Resp: 15584

Ion	Ratio	Lower	Upper
156	100		
77	194.2	94.5	283.6
158	98.0	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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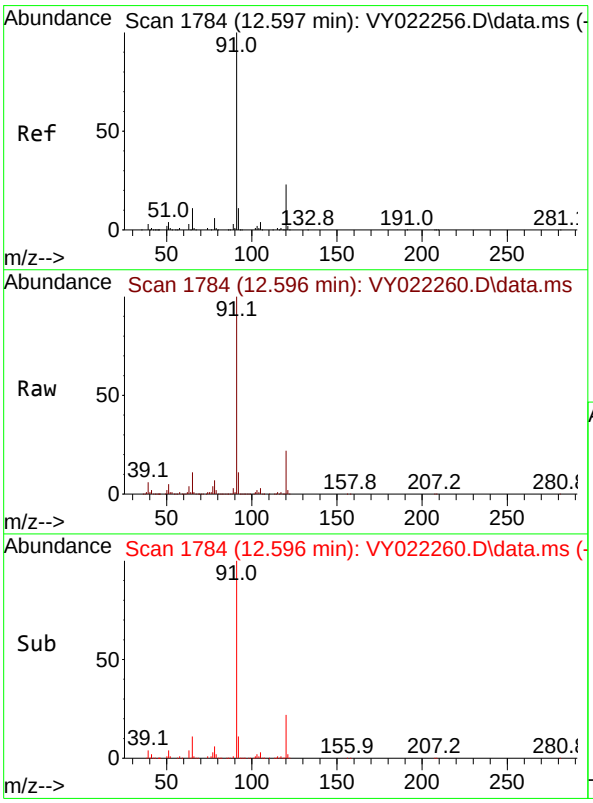
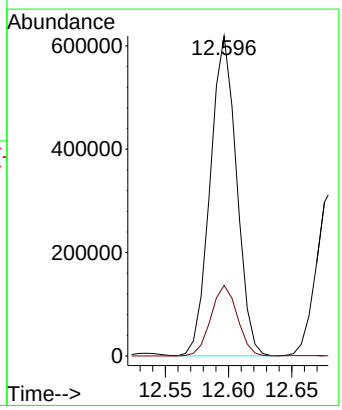
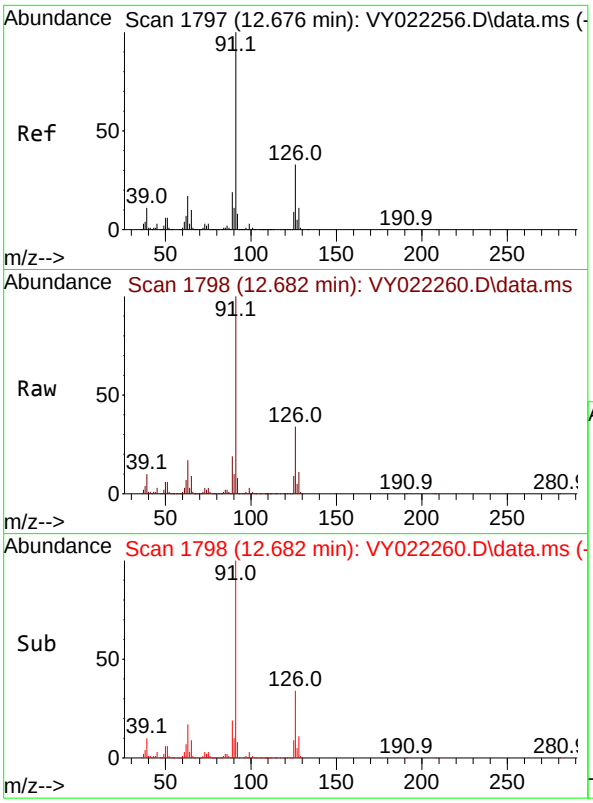


#78
n-propylbenzene
Concen: 50.296 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 896555

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

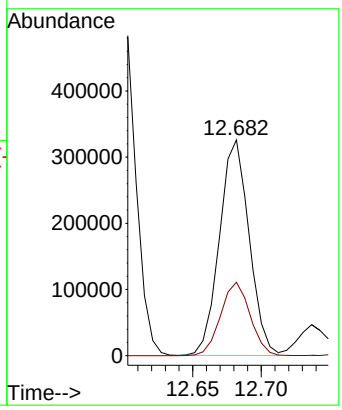




#79
2-Chlorotoluene
Concen: 50.130 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 49107

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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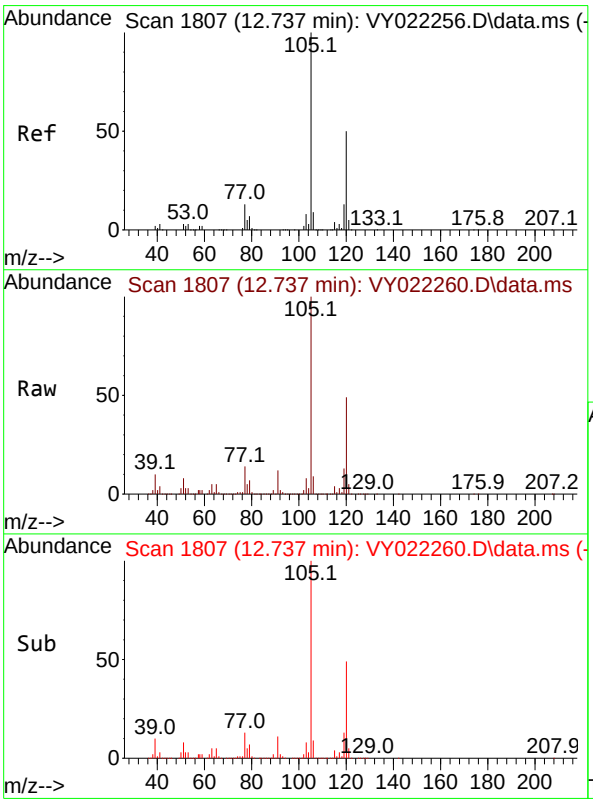
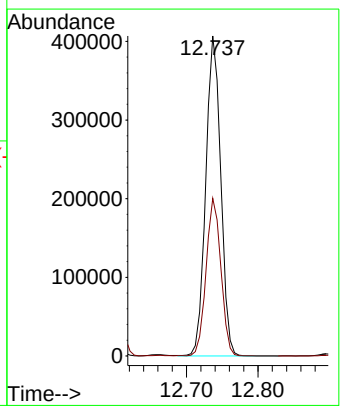
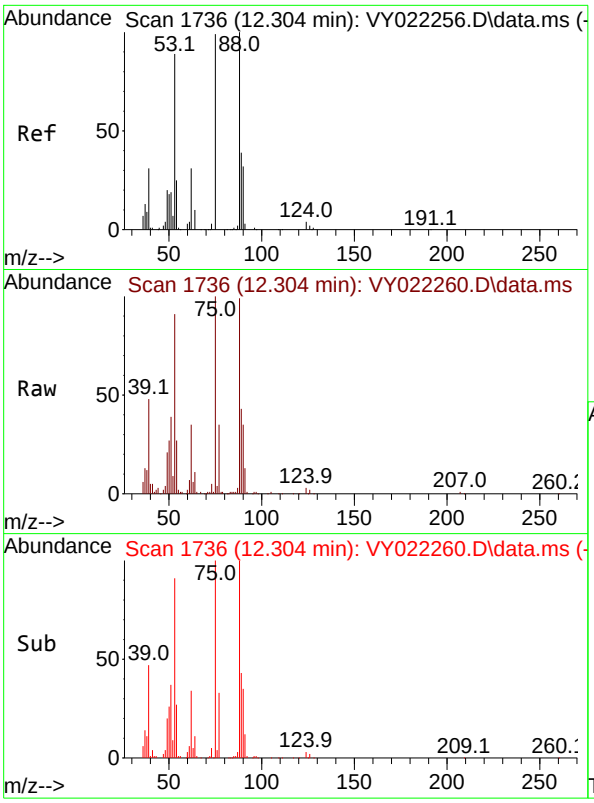


#80
1,3,5-Trimethylbenzene
Concen: 49.632 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 592100

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6

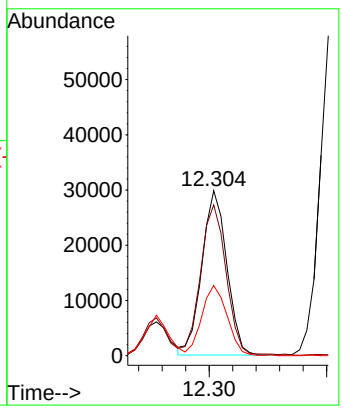




#81
trans-1,4-Dichloro-2-butene
Concen: 49.231 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 4392

Ion	Ratio	Lower	Upper
75	100		
53	94.1	75.8	113.8
89	43.4	36.2	54.2



Instrument :
MSVOA_Y
ClientSampleId :
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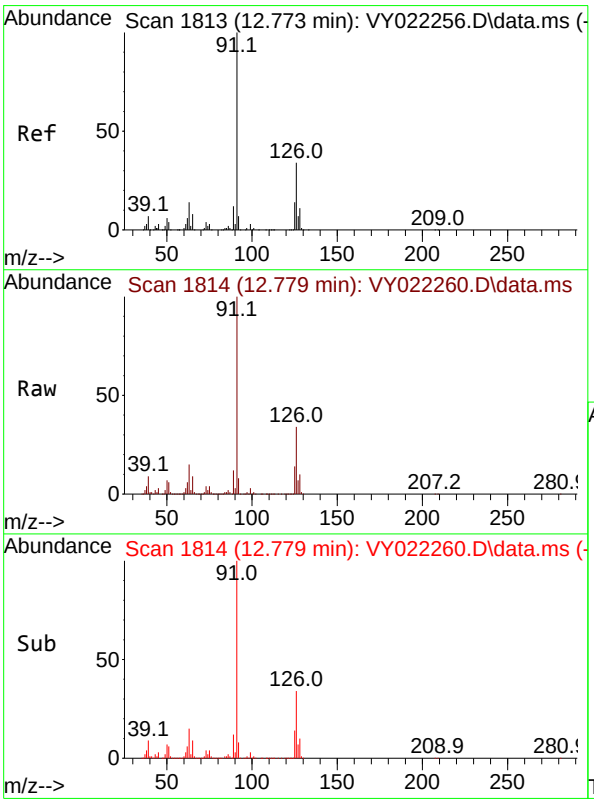
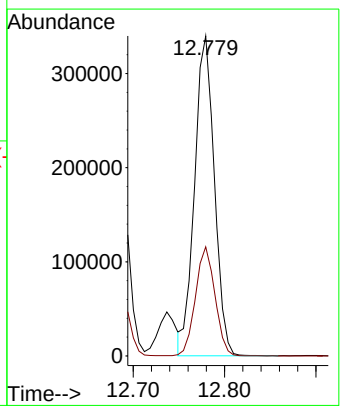
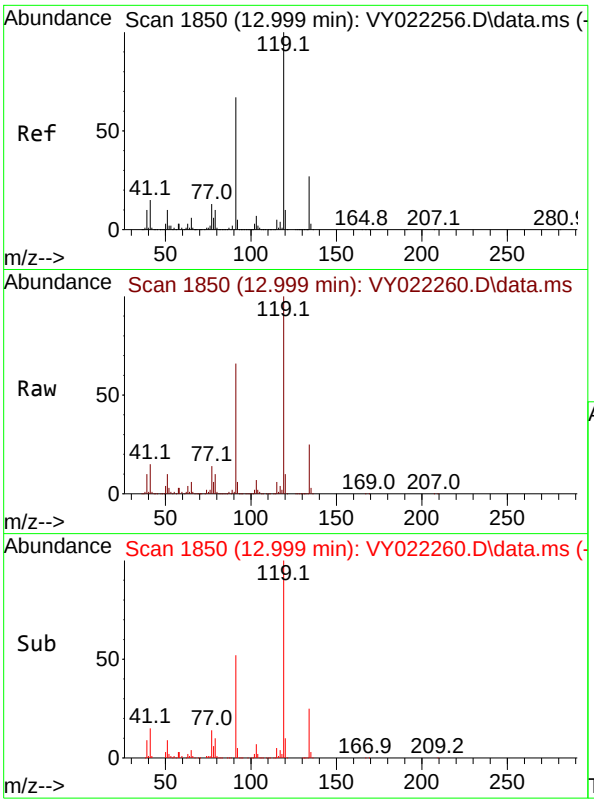


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 510451

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4

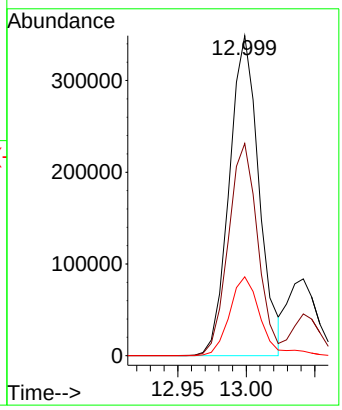




#83
tert-Butylbenzene
Concen: 49.715 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:119 Resp: 52714

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.8	98.3
134	25.8	12.9	38.6



Instrument :
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ClientSampleId :
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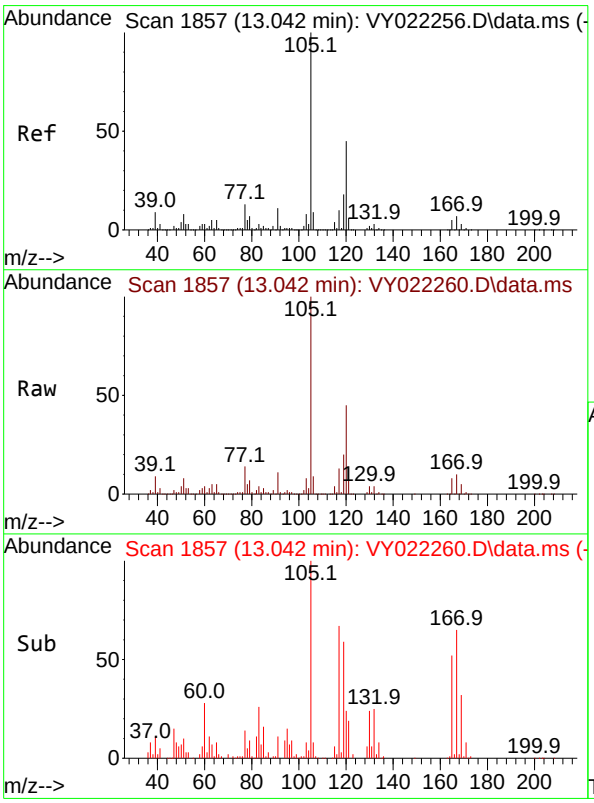
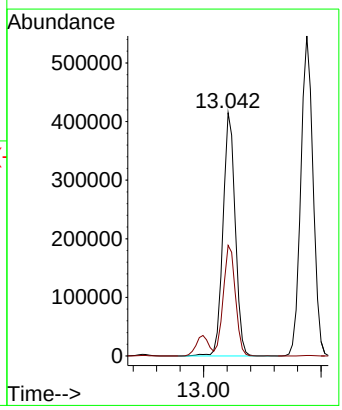
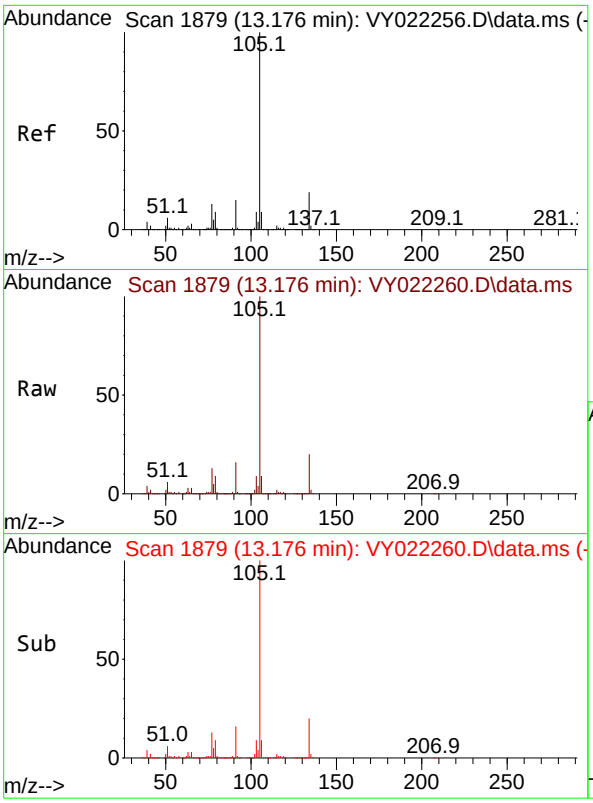


#84
1,2,4-Trimethylbenzene
Concen: 50.535 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 598450

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9





#85
sec-Butylbenzene
Concen: 50.000 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 78700

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
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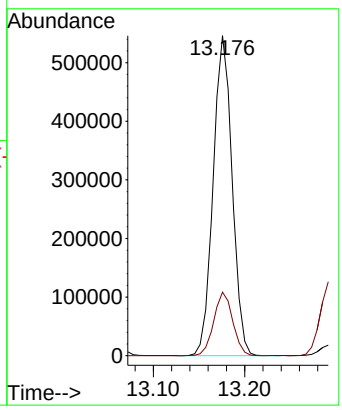
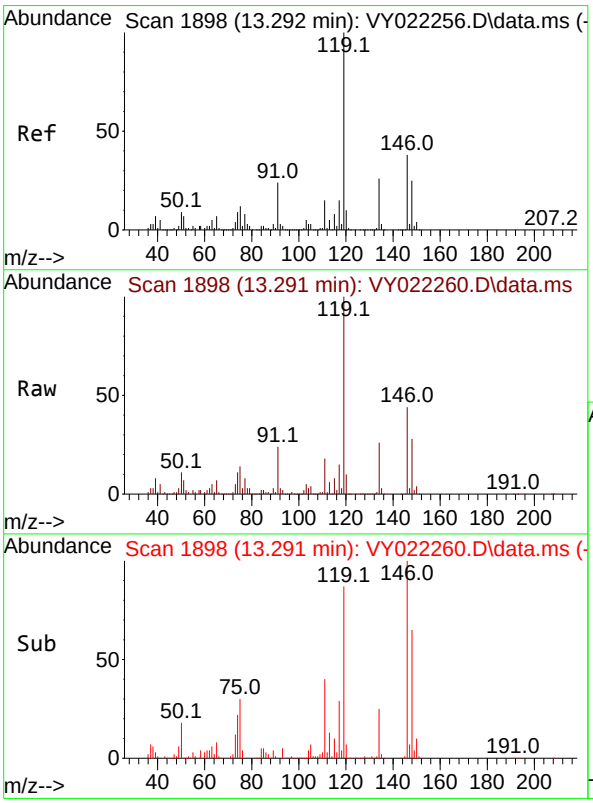
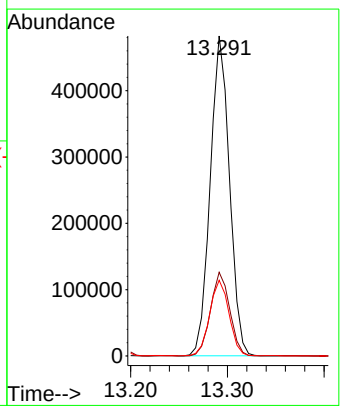


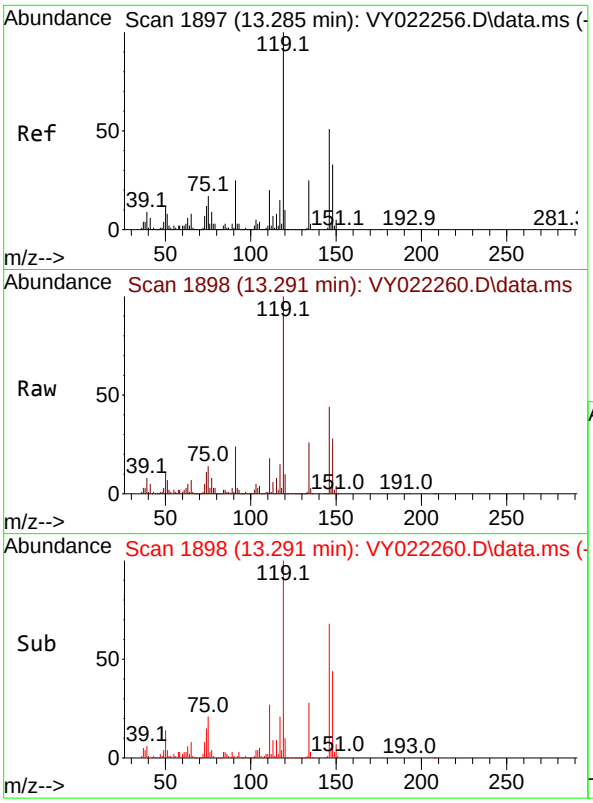


#86
p-Isopropyltoluene
Concen: 50.219 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:119 Resp: 664795

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	23.8	12.1	36.3

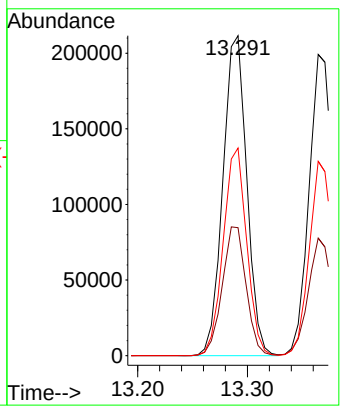




#87
1,3-Dichlorobenzene
Concen: 49.718 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:146 Resp: 32035

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.8	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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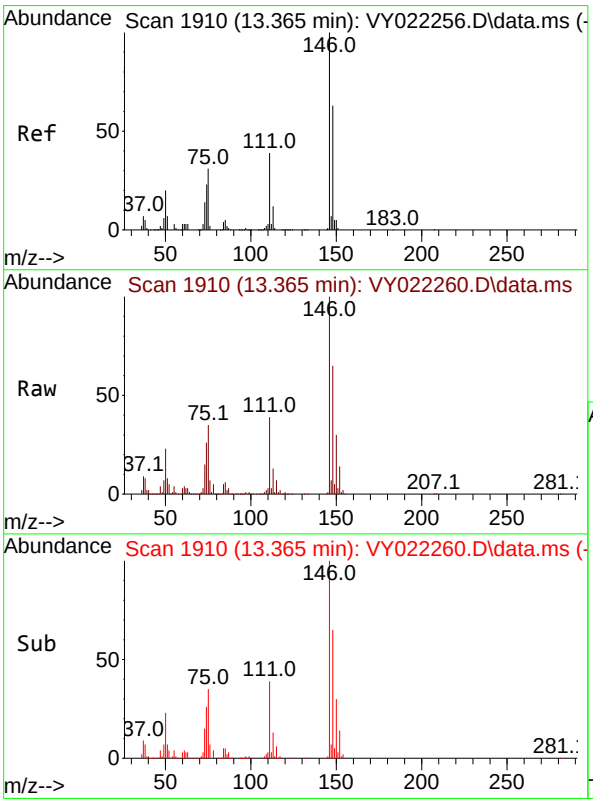
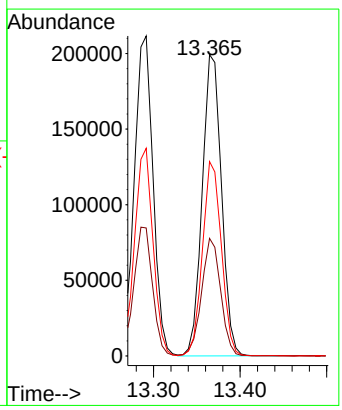
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

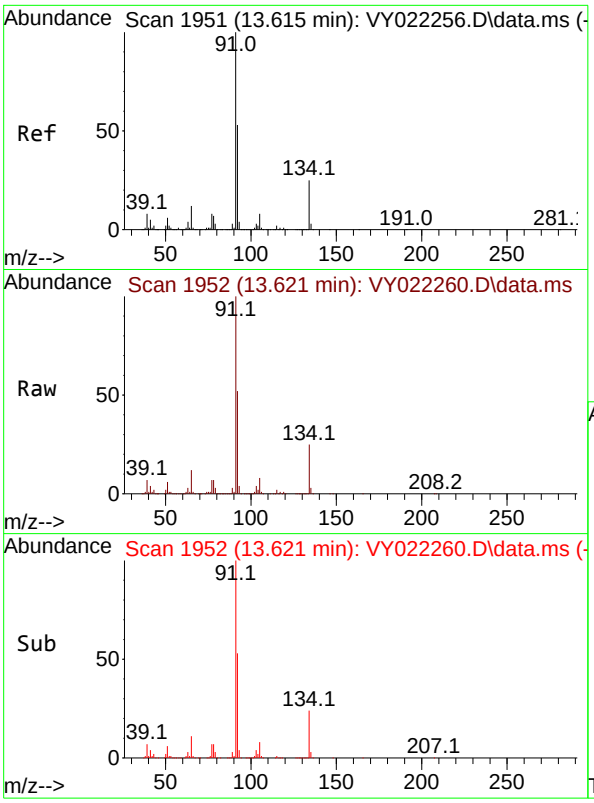


#88
1,4-Dichlorobenzene
Concen: 49.669 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:146 Resp: 307847

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.3	32.1	96.5

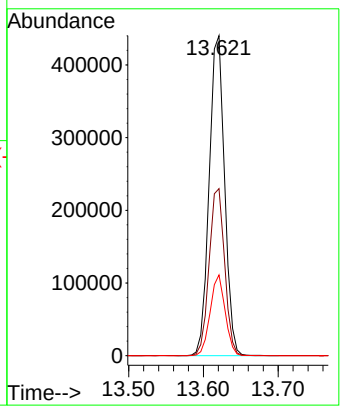




#89
n-Butylbenzene
Concen: 50.402 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 63122

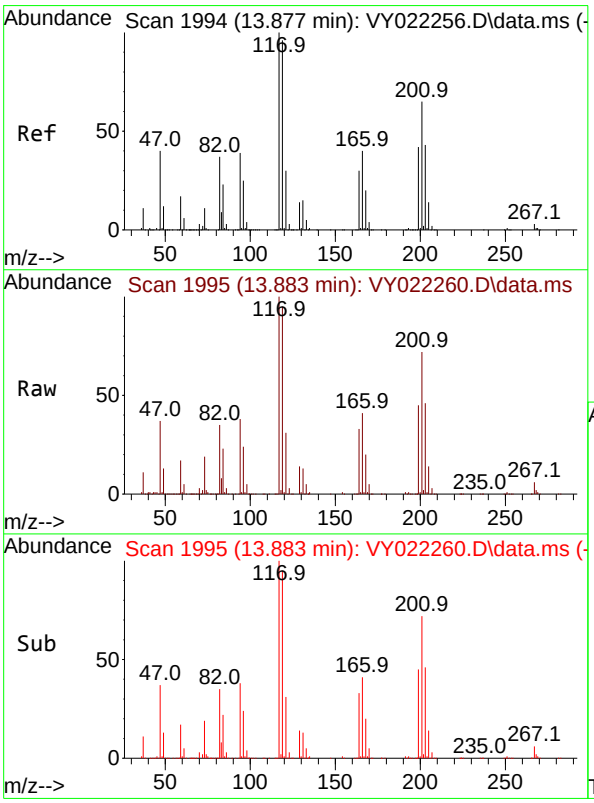
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	24.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

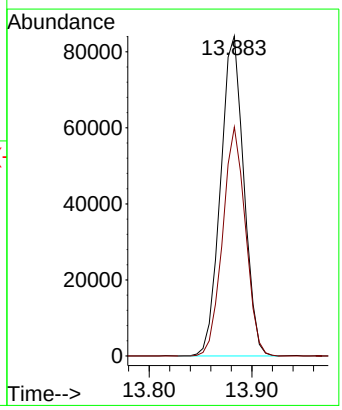
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

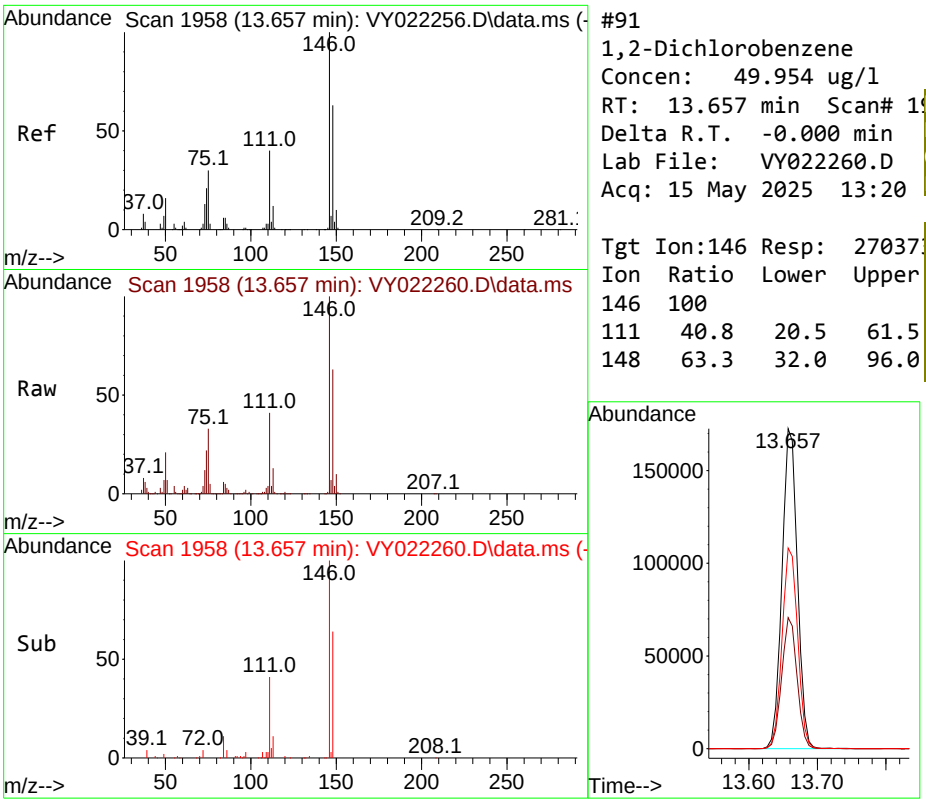


#90
Hexachloroethane
Concen: 49.502 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 132281

Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 49.954 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

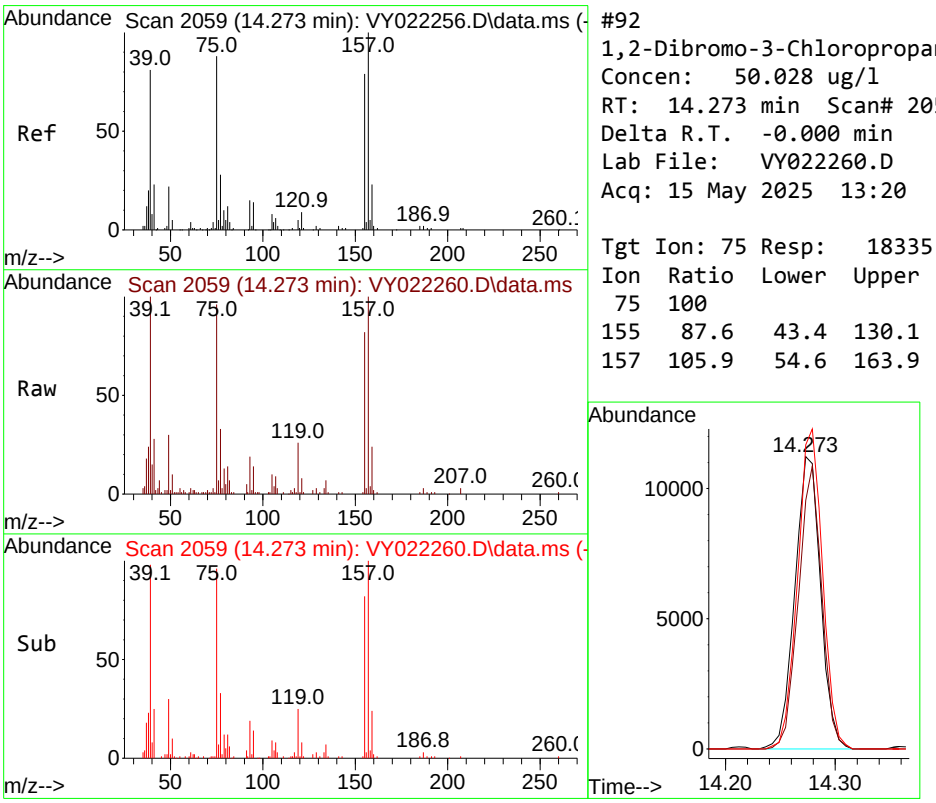
Tgt Ion:146 Resp: 27037

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.3	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

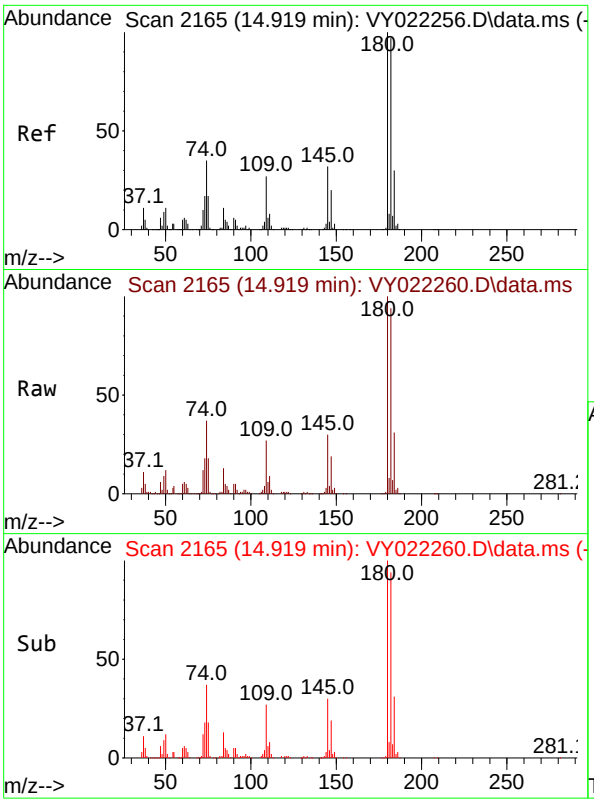
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.028 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 18335

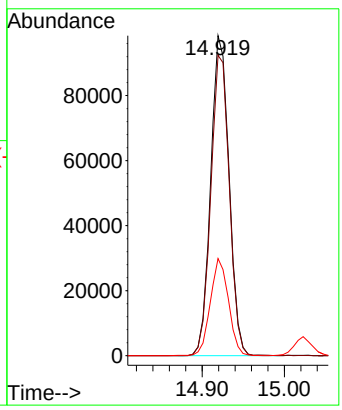
Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.4	130.1
157	105.9	54.6	163.9



#93
1,2,4-Trichlorobenzene
Concen: 48.794 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:180 Resp: 15254

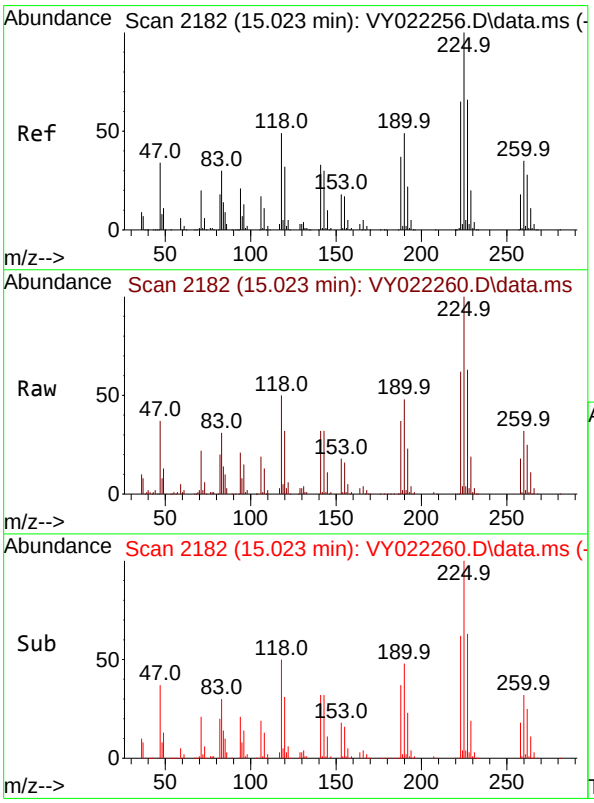
Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.0
145	30.1	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

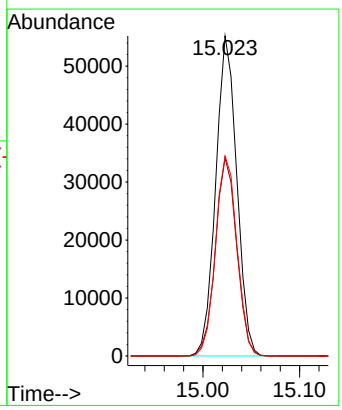
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

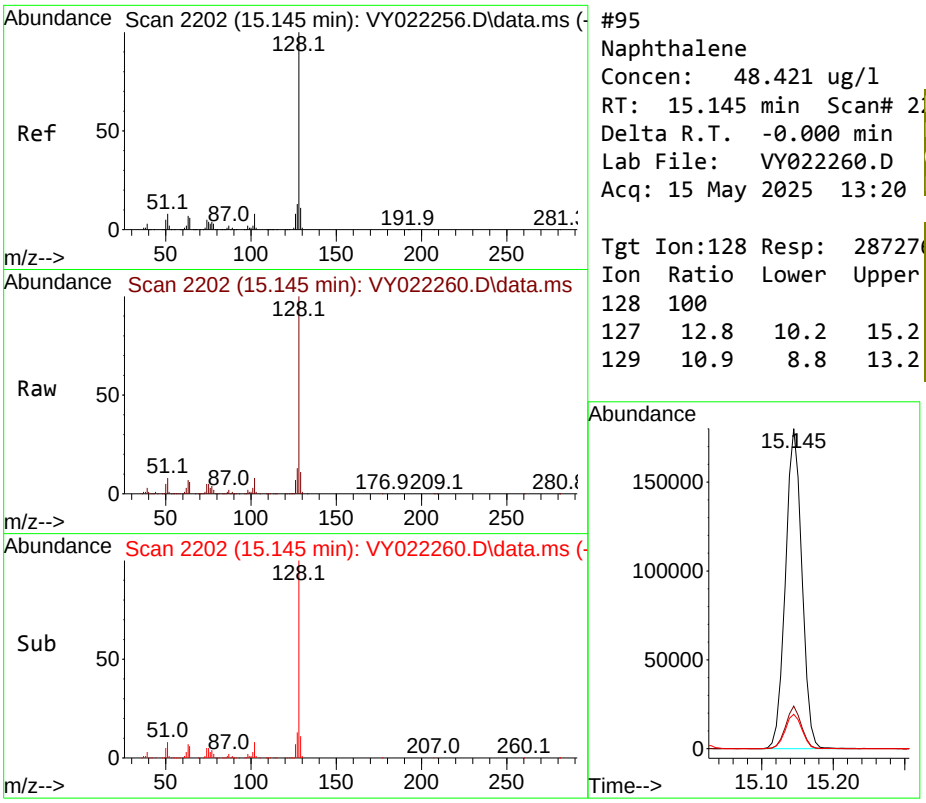


#94
Hexachlorobutadiene
Concen: 47.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:225 Resp: 83287

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.6	32.1	96.3





#95
Naphthalene
Concen: 48.421 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

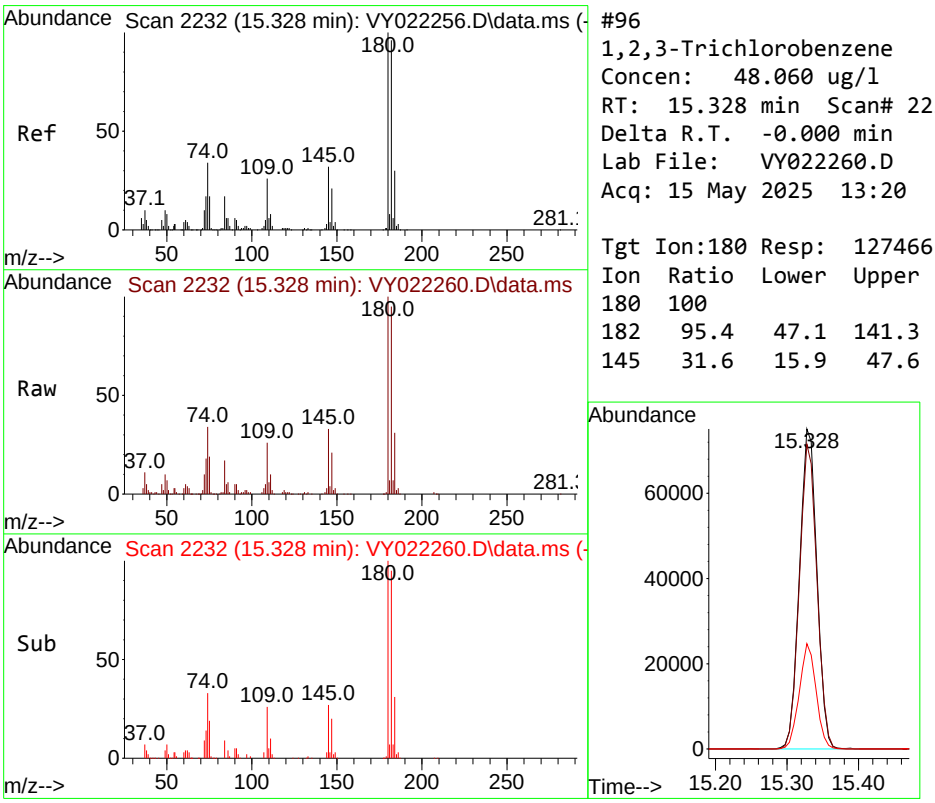
Tgt Ion:128 Resp: 28727

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.060 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:180 Resp: 127466

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	31.6	15.9	47.6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.522	0.516	1.1	96	0.00
3	P	Chloromethane	1.097	1.069	2.6	97	0.00
4	C	Vinyl Chloride	1.226	1.253	-2.2#	98	0.00
5	T	Bromomethane	0.998	0.968	3.0	104	0.00
6	T	Chloroethane	0.763	0.812	-6.4	101	0.00
7	T	Trichlorofluoromethane	1.241	1.271	-2.4	99	0.00
8	T	Diethyl Ether	0.298	0.310	-4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.556	-3.2	98	0.00
10	T	Methyl Iodide	0.624	0.619	0.8	85	0.00
11	T	Tert butyl alcohol	0.042	0.044	-4.8	108	0.00
12	CM	1,1-Dichloroethene	0.535	0.551	-3.0#	97	0.00
13	T	Acrolein	0.061	0.058	4.9	97	0.00
14	T	Allyl chloride	0.938	0.991	-5.7	98	0.00
15	T	Acrylonitrile	0.123	0.130	-5.7	102	0.00
16	T	Acetone	0.102	0.104	-2.0	105	0.00
17	T	Carbon Disulfide	1.744	1.806	-3.6	97	0.00
18	T	Methyl Acetate	0.323	0.384	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	1.475	1.566	-6.2	101	0.00
20	T	Methylene Chloride	0.662	0.626	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.609	-3.2	97	0.00
22	T	Diisopropyl ether	1.980	2.063	-4.2	98	0.00
23	T	Vinyl Acetate	1.196	1.211	-1.3	97	0.00
24	P	1,1-Dichloroethane	1.106	1.143	-3.3	97	0.00
25	T	2-Butanone	0.171	0.175	-2.3	103	0.00
26	T	2,2-Dichloropropane	0.984	1.027	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.715	-5.0	98	0.00
28	T	Bromochloromethane	0.472	0.494	-4.7	99	0.00
29	T	Tetrahydrofuran	0.110	0.117	-6.4	103	0.00
30	C	Chloroform	1.061	1.121	-5.7#	98	0.00
31	T	Cyclohexane	1.105	1.076	2.6	96	0.00
32	T	1,1,1-Trichloroethane	0.974	1.003	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.569	-4.2	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.298	0.308	-3.4	100	0.00
36	T	1,1-Dichloropropene	0.492	0.496	-0.8	96	0.00
37	T	Ethyl Acetate	0.237	0.240	-1.3	100	0.00
38	T	Carbon Tetrachloride	0.509	0.514	-1.0	97	0.00
39	T	Methylcyclohexane	0.660	0.661	-0.2	96	0.00
40	TM	Benzene	1.457	1.507	-3.4	98	0.00
41	T	Methacrylonitrile	0.157	0.168	-7.0	104	0.02
42	TM	1,2-Dichloroethane	0.394	0.409	-3.8	99	0.00
43	T	Isopropyl Acetate	0.516	0.530	-2.7	101	0.00
44	TM	Trichloroethene	0.362	0.365	-0.8	96	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	99	0.00
46	T	Dibromomethane	0.189	0.195	-3.2	101	0.00
47	T	Bromodichloromethane	0.492	0.516	-4.9	100	0.00
48	T	Methyl methacrylate	0.241	0.248	-2.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	103	0.00
50	S	Toluene-d8	1.222	1.252	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.265	-4.7	102	0.00
52	CM	Toluene	0.923	0.947	-2.6#	98	0.00
53	T	t-1,3-Dichloropropene	0.480	0.494	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.571	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	0.243	0.248	-2.1	100	0.00
56	T	Ethyl methacrylate	0.378	0.383	-1.3	98	0.00
57	T	1,3-Dichloropropane	0.431	0.447	-3.7	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.184	-8.2	98	0.00
59	T	2-Hexanone	0.170	0.175	-2.9	103	0.00
60	T	Dibromochloromethane	0.315	0.330	-4.8	100	0.00
61	T	1,2-Dibromoethane	0.226	0.233	-3.1	100	0.00
62	S	4-Bromofluorobenzene	0.387	0.395	-2.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.462	0.434	6.1	91	0.00
65	PM	Chlorobenzene	1.128	1.124	0.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.385	0.8	97	0.00
67	C	Ethyl Benzene	2.113	2.117	-0.2#	97	0.00
68	T	m/p-Xylenes	0.796	0.805	-1.1	98	0.00
69	T	o-Xylene	0.753	0.763	-1.3	99	0.00
70	T	Styrene	1.270	1.282	-0.9	98	0.00
71	P	Bromoform	0.209	0.214	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	4.142	4.139	0.1	98	0.00
74	T	N-amyl acetate	1.185	1.180	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.676	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	0.507	0.543	-7.1	107	0.00
77	T	Bromobenzene	0.885	0.874	1.2	97	0.00
78	T	n-propylbenzene	4.996	5.026	-0.6	97	0.00
79	T	2-Chlorotoluene	2.746	2.753	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.319	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.246	1.6	103	0.00
82	T	4-Chlorotoluene	2.824	2.861	-1.3	97	0.00
83	T	tert-Butylbenzene	2.972	2.955	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.355	-1.1	97	0.00
85	T	sec-Butylbenzene	4.412	4.412	0.0	95	0.00
86	T	p-Isopropyltoluene	3.710	3.727	-0.5	97	0.00
87	T	1,3-Dichlorobenzene	1.806	1.796	0.6	97	0.00
88	T	1,4-Dichlorobenzene	1.737	1.726	0.6	98	0.00
89	T	n-Butylbenzene	3.510	3.538	-0.8	95	0.00
90	T	Hexachloroethane	0.749	0.742	0.9	96	0.00
91	T	1,2-Dichlorobenzene	1.517	1.516	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.103	0.0	102	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.855	2.4	94	0.00
94	T	Hexachlorobutadiene	0.489	0.467	4.5	92	0.00
95	T	Naphthalene	1.663	1.610	3.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.715	3.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	49.432	1.1	96	0.00
3	P	Chloromethane	50.000	48.719	2.6	97	0.00
4	C	Vinyl Chloride	50.000	51.111	-2.2#	98	0.00
5	T	Bromomethane	50.000	48.486	3.0	104	0.00
6	T	Chloroethane	50.000	53.234	-6.5	101	0.00
7	T	Trichlorofluoromethane	50.000	51.174	-2.3	99	0.00
8	T	Diethyl Ether	50.000	52.055	-4.1	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.564	-3.1	98	0.00
10	T	Methyl Iodide	50.000	49.606	0.8	85	0.00
11	T	Tert butyl alcohol	250.000	265.144	-6.1	108	0.00
12	CM	1,1-Dichloroethene	50.000	51.487	-3.0#	97	0.00
13	T	Acrolein	250.000	238.362	4.7	97	0.00
14	T	Allyl chloride	50.000	52.817	-5.6	98	0.00
15	T	Acrylonitrile	250.000	265.134	-6.1	102	0.00
16	T	Acetone	250.000	252.660	-1.1	105	0.00
17	T	Carbon Disulfide	50.000	51.765	-3.5	97	0.00
18	T	Methyl Acetate	50.000	59.461	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	50.000	53.096	-6.2	101	0.00
20	T	Methylene Chloride	50.000	47.298	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.552	-3.1	97	0.00
22	T	Diisopropyl ether	50.000	52.085	-4.2	98	0.00
23	T	Vinyl Acetate	250.000	253.098	-1.2	97	0.00
24	P	1,1-Dichloroethane	50.000	51.668	-3.3	97	0.00
25	T	2-Butanone	250.000	255.929	-2.4	103	0.00
26	T	2,2-Dichloropropane	50.000	52.191	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.479	-5.0	98	0.00
28	T	Bromochloromethane	50.000	52.305	-4.6	99	0.00
29	T	Tetrahydrofuran	250.000	264.847	-5.9	103	0.00
30	C	Chloroform	50.000	52.810	-5.6#	98	0.00
31	T	Cyclohexane	50.000	48.673	2.7	96	0.00
32	T	1,1,1-Trichloroethane	50.000	51.523	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.104	-4.2	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	51.658	-3.3	100	0.00
36	T	1,1-Dichloropropene	50.000	50.457	-0.9	96	0.00
37	T	Ethyl Acetate	50.000	50.633	-1.3	100	0.00
38	T	Carbon Tetrachloride	50.000	50.543	-1.1	97	0.00
39	T	Methylcyclohexane	50.000	50.015	-0.0	96	0.00
40	TM	Benzene	50.000	51.696	-3.4	98	0.00
41	T	Methacrylonitrile	50.000	53.599	-7.2	104	0.02
42	TM	1,2-Dichloroethane	50.000	51.834	-3.7	99	0.00
43	T	Isopropyl Acetate	50.000	51.415	-2.8	101	0.00
44	TM	Trichloroethene	50.000	50.335	-0.7	96	0.00
45	C	1,2-Dichloropropane	50.000	51.417	-2.8#	99	0.00
46	T	Dibromomethane	50.000	51.423	-2.8	101	0.00
47	T	Bromodichloromethane	50.000	52.508	-5.0	100	0.00
48	T	Methyl methacrylate	50.000	51.357	-2.7	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1008.479	-0.8	103	0.00
50	S	Toluene-d8	50.000	51.229	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.463	-4.6	102	0.00
52	CM	Toluene	50.000	51.337	-2.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	51.458	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.916	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	50.000	51.142	-2.3	100	0.00
56	T	Ethyl methacrylate	50.000	50.639	-1.3	98	0.00
57	T	1,3-Dichloropropane	50.000	51.880	-3.8	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	271.104	-8.4	98	0.00
59	T	2-Hexanone	250.000	257.738	-3.1	103	0.00
60	T	Dibromochloromethane	50.000	52.425	-4.8	100	0.00
61	T	1,2-Dibromoethane	50.000	51.428	-2.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	51.020	-2.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.905	6.2	91	0.00
65	PM	Chlorobenzene	50.000	49.827	0.3	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.656	0.7	97	0.00
67	C	Ethyl Benzene	50.000	50.100	-0.2#	97	0.00
68	T	m/p-Xylenes	100.000	101.087	-1.1	98	0.00
69	T	o-Xylene	50.000	50.682	-1.4	99	0.00
70	T	Styrene	50.000	50.471	-0.9	98	0.00
71	P	Bromoform	50.000	51.022	-2.0	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	49.964	0.1	98	0.00
74	T	N-amyl acetate	50.000	49.805	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.062	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	53.564	-7.1	107	0.00
77	T	Bromobenzene	50.000	49.374	1.3	97	0.00
78	T	n-propylbenzene	50.000	50.296	-0.6	97	0.00
79	T	2-Chlorotoluene	50.000	50.130	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.632	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.231	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	97	0.00
83	T	tert-Butylbenzene	50.000	49.715	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.535	-1.1	97	0.00
85	T	sec-Butylbenzene	50.000	50.000	0.0	95	0.00
86	T	p-Isopropyltoluene	50.000	50.219	-0.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	49.718	0.6	97	0.00
88	T	1,4-Dichlorobenzene	50.000	49.669	0.7	98	0.00
89	T	n-Butylbenzene	50.000	50.402	-0.8	95	0.00
90	T	Hexachloroethane	50.000	49.502	1.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.954	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.028	-0.1	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.794	2.4	94	0.00
94	T	Hexachlorobutadiene	50.000	47.770	4.5	92	0.00
95	T	Naphthalene	50.000	48.421	3.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.060	3.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date/Time: 05/15/2025 19:52

Lab File ID: VY022275.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.476		-8.81	50
Chloromethane	1.097	1.000	0.1	-8.84	50
Vinyl Chloride	1.226	1.290		5.22	50
Bromomethane	0.998	0.984		-1.4	50
Chloroethane	0.763	0.882		15.6	50
Tetrahydrofuran	0.110	0.111		0.91	50
Trichlorofluoromethane	1.241	1.253		0.97	50
1,1,2-Trichlorotrifluoroethane	0.539	0.521		-3.34	50
1,1-Dichloroethene	0.535	0.527		-1.5	50
Acrylonitrile	0.123	0.126		2.44	50
Acetone	0.102	0.093		-8.82	50
Carbon Disulfide	1.744	1.745		0.06	50
Methyl tert-butyl Ether	1.475	1.518		2.91	50
Methylene Chloride	0.662	0.639		-3.47	50
trans-1,2-Dichloroethene	0.590	0.604		2.37	50
1,1-Dichloroethane	1.106	1.134	0.1	2.53	50
2-Butanone	0.171	0.164		-4.09	50
Carbon Tetrachloride	0.509	0.475		-6.68	50
2,2-Dichloropropane	0.984	0.898		-8.74	50
cis-1,2-Dichloroethene	0.681	0.708		3.96	50
Chloroform	1.061	1.121		5.66	50
1,1,1-Trichloroethane	0.974	0.972		-0.2	50
1,1-Dichloropropene	0.492	0.456		-7.32	50
Benzene	1.457	1.437		-1.37	50
1,2-Dichloroethane	0.394	0.384		-2.54	50
Trichloroethene	0.362	0.353		-2.49	50
1,2-Dichloropropane	0.351	0.343		-2.28	50
Dibromomethane	0.189	0.183		-3.17	50
Bromodichloromethane	0.492	0.491		-0.2	50
4-Methyl-2-Pentanone	0.253	0.238		-5.93	50
Toluene	0.923	0.901		-2.38	50
t-1,3-Dichloropropene	0.480	0.453		-5.63	50
cis-1,3-Dichloropropene	0.550	0.526		-4.36	50
1,1,2-Trichloroethane	0.243	0.237		-2.47	50
1,3-Dichloropropane	0.431	0.421		-2.32	50
2-Hexanone	0.170	0.156		-8.23	50
Dibromochloromethane	0.315	0.308		-2.22	50
1,2-Dibromoethane	0.226	0.219		-3.1	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.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date/Time: 05/15/2025 19:52

Lab File ID: VY022275.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.462	0.442		-4.33	50
Chlorobenzene	1.128	1.086	0.3	-3.72	50
1,1,1,2-Tetrachloroethane	0.388	0.371		-4.38	50
Ethyl Benzene	2.113	2.011		-4.83	50
m/p-Xylenes	0.796	0.759		-4.65	50
o-Xylene	0.753	0.723		-3.98	50
Styrene	1.270	1.231		-3.07	50
Bromoform	0.209	0.197	0.1	-5.74	50
Isopropylbenzene	4.142	3.953		-4.56	50
1,1,2,2-Tetrachloroethane	0.637	0.611	0.3	-4.08	50
1,2,3-Trichloropropane	0.507	0.476		-6.11	50
Bromobenzene	0.885	0.858		-3.05	50
n-propylbenzene	4.996	4.751		-4.9	50
2-Chlorotoluene	2.746	2.622		-4.52	50
1,3,5-Trimethylbenzene	3.344	3.180		-4.9	50
4-Chlorotoluene	2.824	2.685		-4.92	50
tert-Butylbenzene	2.972	2.837		-4.54	50
1,2,4-Trimethylbenzene	3.319	3.171		-4.46	50
sec-Butylbenzene	4.412	4.183		-5.19	50
p-Isopropyltoluene	3.710	3.515		-5.26	50
1,3-Dichlorobenzene	1.806	1.716		-4.98	50
1,4-Dichlorobenzene	1.737	1.667		-4.03	50
n-Butylbenzene	3.510	3.305		-5.84	50
1,2-Dichlorobenzene	1.517	1.476		-2.7	50
1,2-Dibromo-3-Chloropropane	0.103	0.095		-7.77	50
1,2,4-Trichlorobenzene	0.876	0.810		-7.53	50
Hexachlorobutadiene	0.489	0.439		-10.23	50
1,2,3-Trichlorobenzene	0.743	0.688		-7.4	50
1,2-Dichloroethane-d4	0.546	0.589		7.88	50
Dibromofluoromethane	0.298	0.314		5.37	50
Toluene-d8	1.222	1.262		3.27	50
4-Bromofluorobenzene	0.387	0.382		-1.29	50
trans-1,4-Dichloro-2-butene	0.250	0.210		-16	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\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	200166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	304640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117866	53.878	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.760%			
35) Dibromofluoromethane	7.634	113	110158	52.681	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.360%			
50) Toluene-d8	10.103	98	442242	51.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.401	95	133714	49.259	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	95204	45.582	ug/l	98
3) Chloromethane	2.068	50	200223	45.571	ug/l	100
4) Vinyl Chloride	2.202	62	258263	52.613	ug/l	96
5) Bromomethane	2.592	94	197048	49.312	ug/l	94
6) Chloroethane	2.732	64	176506	57.798	ug/l	99
7) Trichlorofluoromethane	3.049	101	250861	50.476	ug/l	100
8) Diethyl Ether	3.452	74	60490	50.717	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	104255	48.320	ug/l	99
10) Methyl Iodide	4.000	142	131696	52.738	ug/l	100
11) Tert butyl alcohol	4.866	59	40595	243.003	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	105573	49.308	ug/l	99
13) Acrolein	3.647	56	48235	197.507	ug/l	100
14) Allyl chloride	4.385	41	181793	48.423	ug/l	96
15) Acrylonitrile	5.055	53	126006	256.397	ug/l	99
16) Acetone	3.866	43	92726	226.053	ug/l	99
17) Carbon Disulfide	4.104	76	349244	50.021	ug/l	99
18) Methyl Acetate	4.378	43	85059	65.768	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	303808	51.461	ug/l	99
20) Methylene Chloride	4.616	84	127944	48.271	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	120885	51.151	ug/l	98
22) Diisopropyl ether	6.018	45	400400	50.504	ug/l	98
23) Vinyl Acetate	5.957	43	1086547	226.852	ug/l	98
24) 1,1-Dichloroethane	5.915	63	226971	51.243	ug/l	97
25) 2-Butanone	6.890	43	163842	238.789	ug/l	99
26) 2,2-Dichloropropane	6.884	77	179803	45.640	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	141795	51.993	ug/l	98
28) Bromochloromethane	7.244	49	101573	53.763	ug/l	100
29) Tetrahydrofuran	7.262	42	111339	252.225	ug/l	98
30) Chloroform	7.421	83	224372	52.812	ug/l	98
31) Cyclohexane	7.701	56	200037	45.201	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	194589	49.923	ug/l	99
36) 1,1-Dichloropropene	7.835	75	159907	46.428	ug/l	98
37) Ethyl Acetate	6.988	43	75333	45.459	ug/l	99
38) Carbon Tetrachloride	7.817	117	166240	46.629	ug/l	99
39) Methylcyclohexane	9.109	83	210935	45.585	ug/l	97
40) Benzene	8.079	78	503565	49.319	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	47576m	43.280	ug/l		
42) 1,2-Dichloroethane	8.158	62	134356	48.660	ug/l		99
43) Isopropyl Acetate	8.195	43	165989	45.928	ug/l		99
44) Trichloroethene	8.865	130	123509	48.649	ug/l		100
45) 1,2-Dichloropropane	9.140	63	120095	48.787	ug/l		100
46) Dibromomethane	9.231	93	64278	48.413	ug/l		99
47) Bromodichloromethane	9.420	83	172091	49.963	ug/l		100
48) Methyl methacrylate	9.219	41	80618	47.699	ug/l		98
49) 1,4-Dioxane	9.225	88	14533	968.930	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	417595	235.486	ug/l		98
52) Toluene	10.170	92	315520	48.800	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	158866	47.262	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	184284	47.851	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	83201	48.937	ug/l		99
56) Ethyl methacrylate	10.438	69	126764	47.866	ug/l		100
57) 1,3-Dichloropropane	10.713	76	147656	48.881	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	317597	267.180	ug/l		100
59) 2-Hexanone	10.761	43	273295	229.855	ug/l		99
60) Dibromochloromethane	10.908	129	107741	48.824	ug/l		98
61) 1,2-Dibromoethane	11.011	107	76587	48.332	ug/l		99
64) Tetrachloroethene	10.646	164	134690	47.833	ug/l		97
65) Chlorobenzene	11.438	112	330781	48.128	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	112943	47.800	ug/l		98
67) Ethyl Benzene	11.517	91	612536	47.588	ug/l		98
68) m/p-Xylenes	11.627	106	462177	95.289	ug/l		100
69) o-Xylene	11.950	106	220371	48.022	ug/l		98
70) Styrene	11.969	104	374912	48.433	ug/l		99
71) Bromoform	12.133	173	60098	47.123	ug/l	#	97
73) Isopropylbenzene	12.255	105	566596	47.714	ug/l		100
74) N-amyl acetate	12.066	43	148480	43.719	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87608	47.972	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	68265m	47.009	ug/l		
77) Bromobenzene	12.529	156	122958	48.481	ug/l		98
78) n-propylbenzene	12.596	91	680966	47.543	ug/l		100
79) 2-Chlorotoluene	12.676	91	375886	47.755	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	455782	47.548	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	30112	42.006	ug/l		98
82) 4-Chlorotoluene	12.773	91	384865	47.537	ug/l		100
83) tert-Butylbenzene	12.993	119	406701	47.735	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	454585	47.773	ug/l		100
85) sec-Butylbenzene	13.176	105	599530	47.404	ug/l		99
86) p-Isopropyltoluene	13.291	119	503789	47.362	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	245939	47.502	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	238952	47.980	ug/l		98
89) n-Butylbenzene	13.615	91	473672	47.071	ug/l		100
90) Hexachloroethane	13.877	117	101787	47.405	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	211496	48.631	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13683	46.464	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	116136	46.231	ug/l		98
94) Hexachlorobutadiene	15.023	225	62944	44.930	ug/l		99
95) Naphthalene	15.145	128	219362	46.015	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	98613	46.274	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

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\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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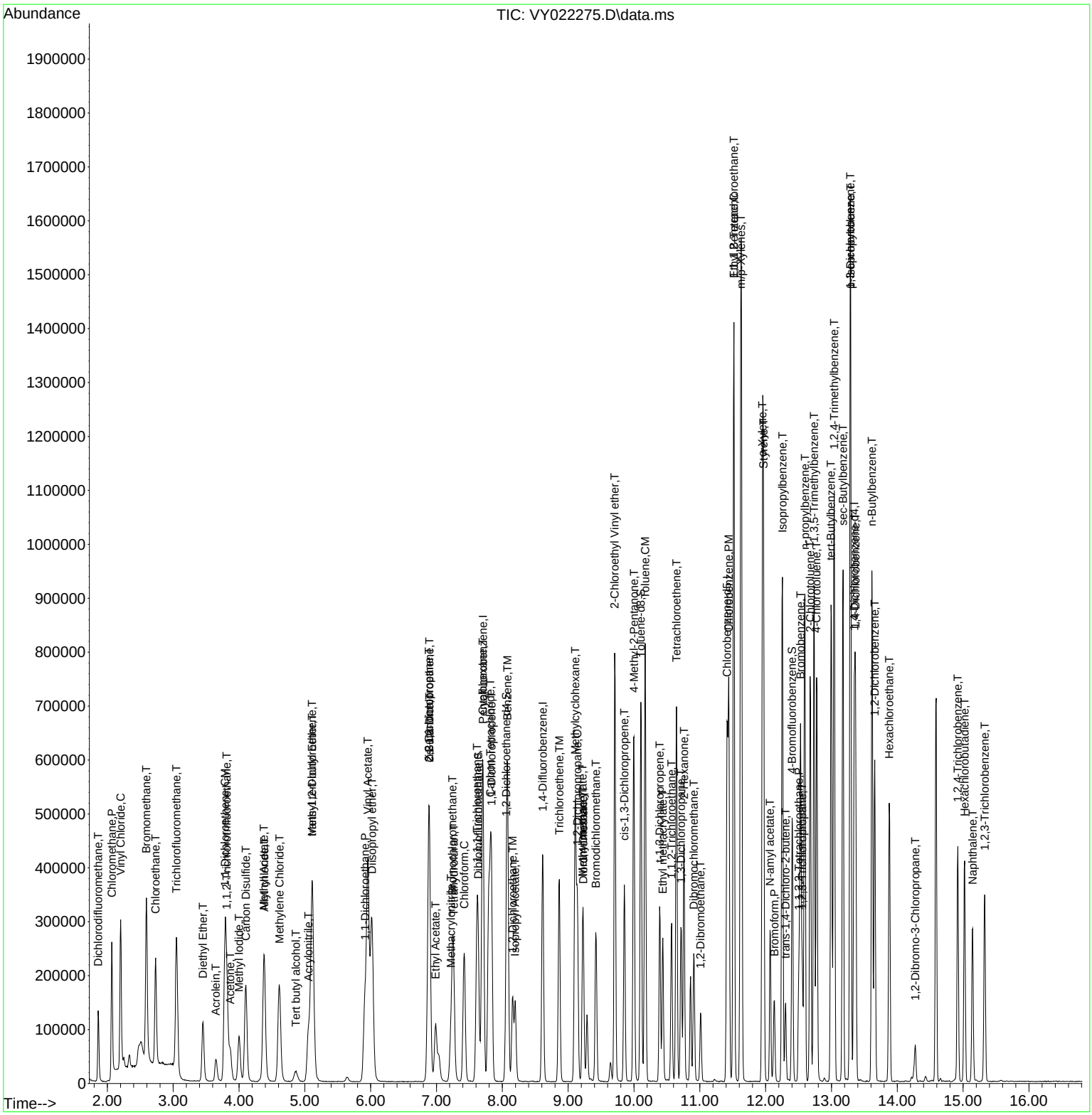

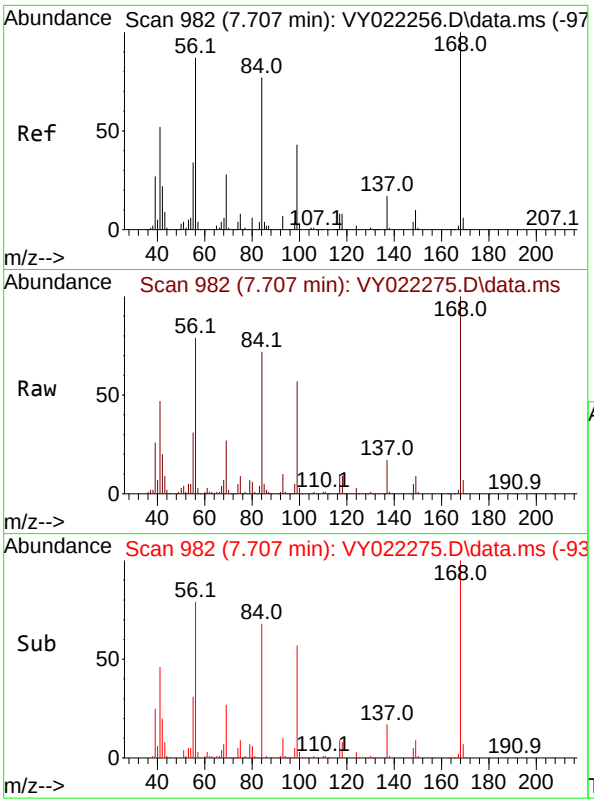

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:168 Resp: 20016

Ion	Ratio	Lower	Upper
168	100		
99	57.5	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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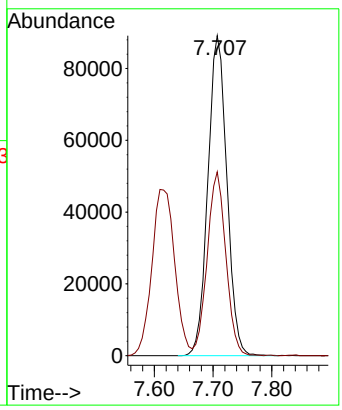
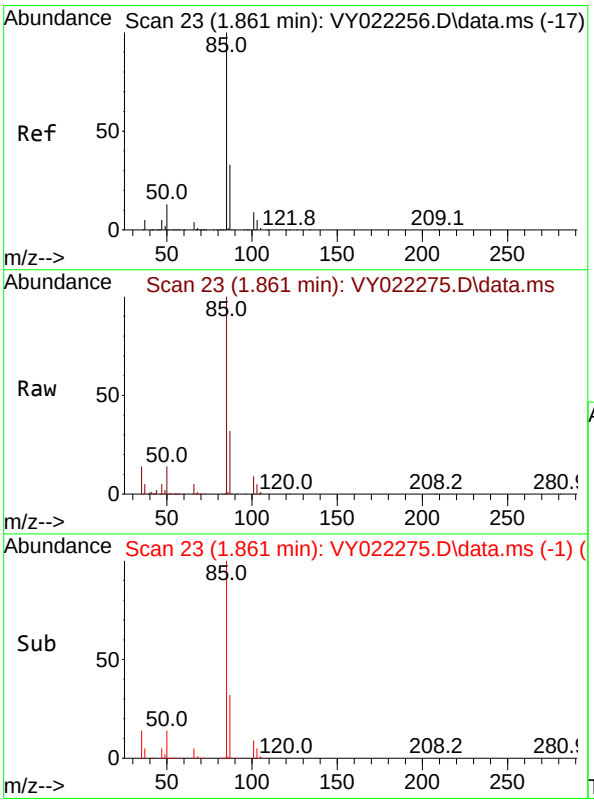
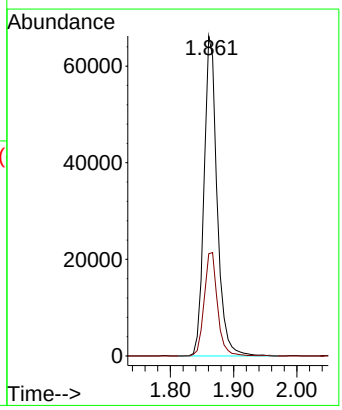


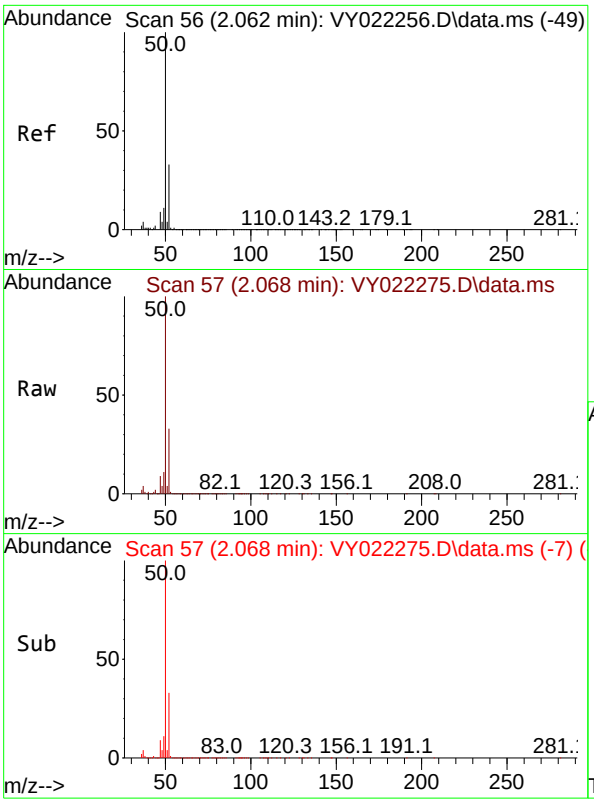


#2
Dichlorodifluoromethane
Concen: 45.582 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 85 Resp: 95204

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.5	49.5

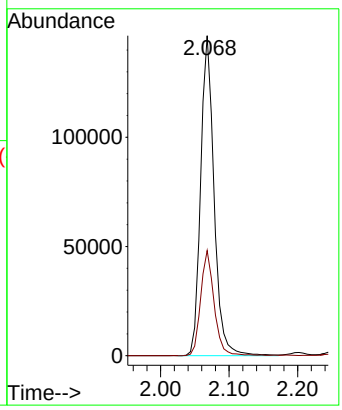




#3
Chloromethane
Concen: 45.571 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 50 Resp: 20022

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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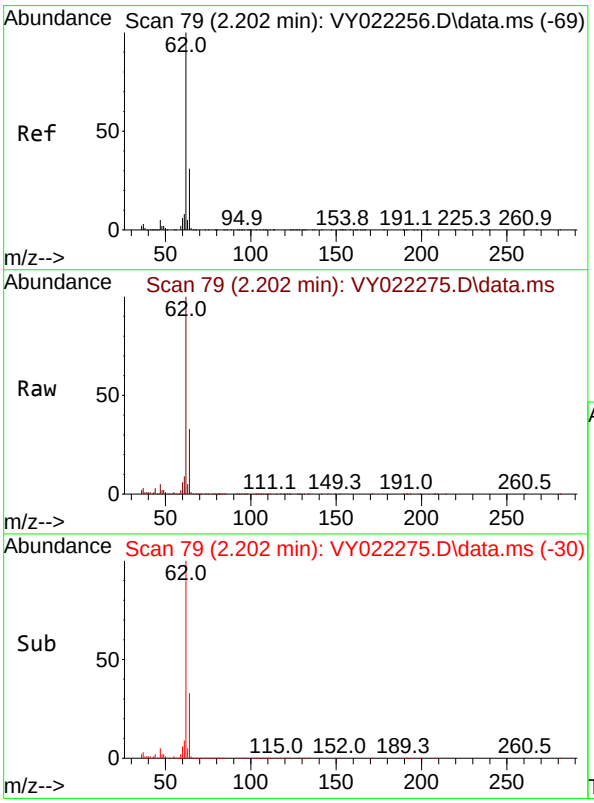
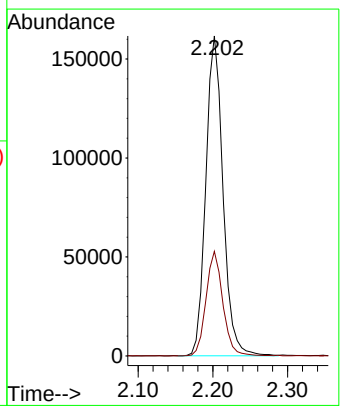
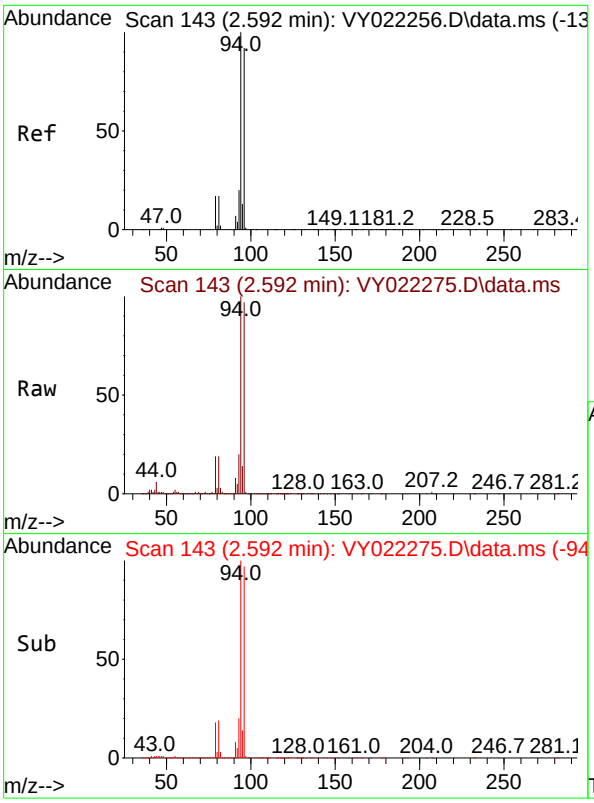


#4
Vinyl Chloride
Concen: 52.613 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 62 Resp: 258263

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.5	36.7

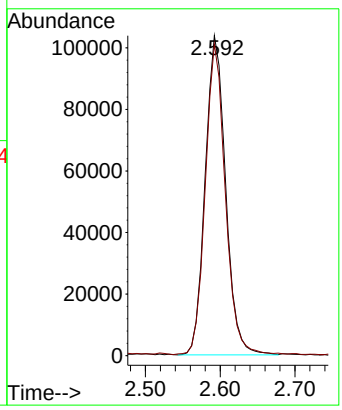




#5
Bromomethane
Concen: 49.312 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 94 Resp: 19704

Ion	Ratio	Lower	Upper
94	100		
96	97.1	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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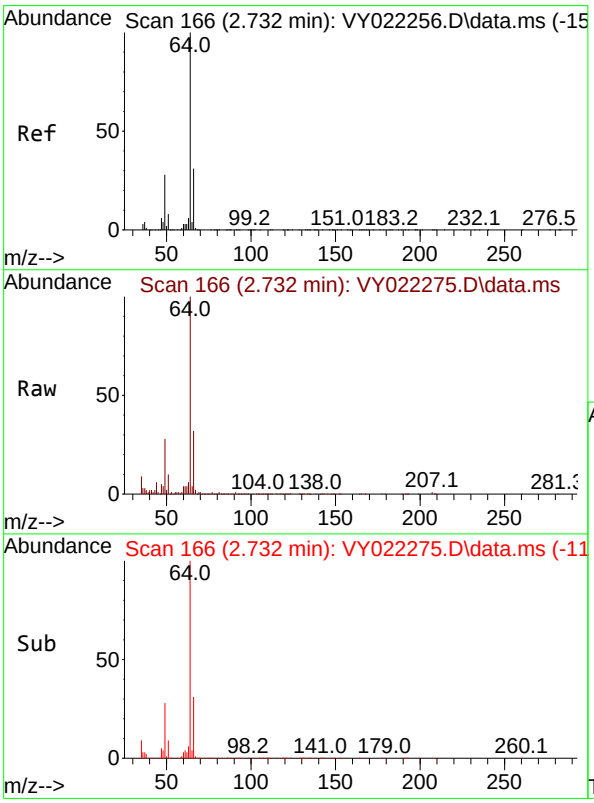
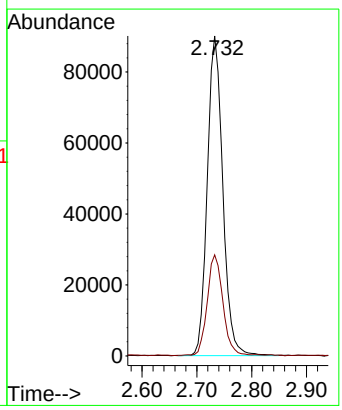
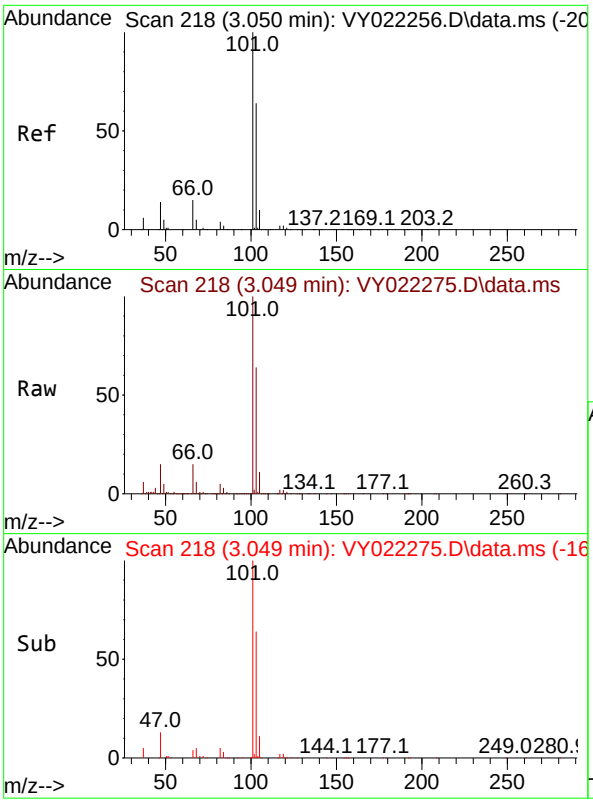


#6
Chloroethane
Concen: 57.798 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 64 Resp: 176506

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.8	37.2

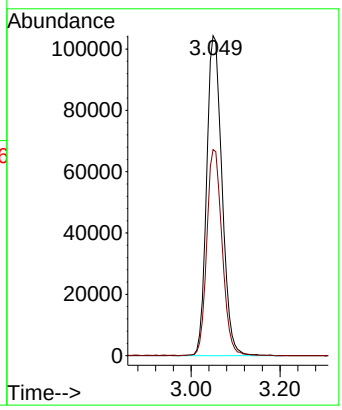




#7
Trichlorofluoromethane
Concen: 50.476 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:101 Resp: 25086

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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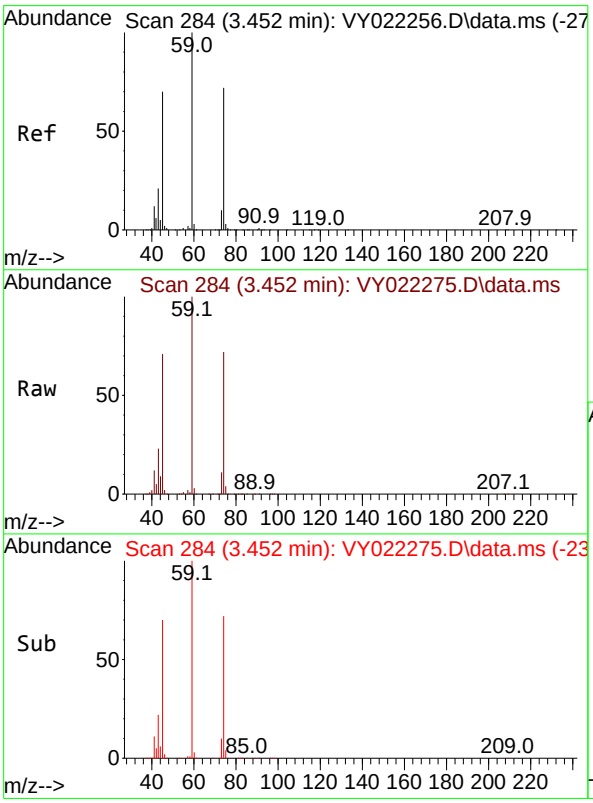
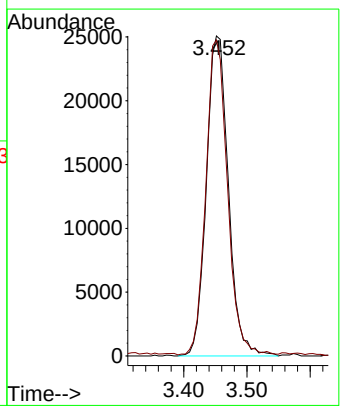
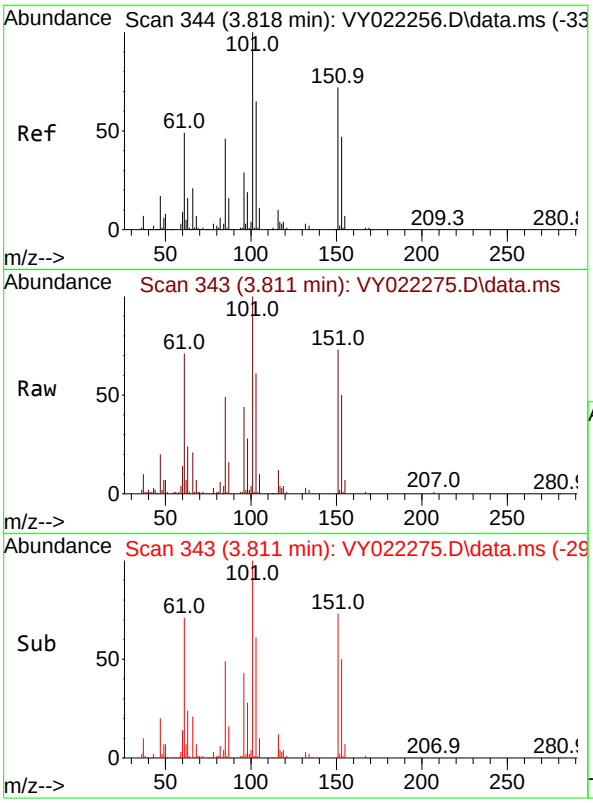


#8
Diethyl Ether
Concen: 50.717 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 74 Resp: 60490

Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8

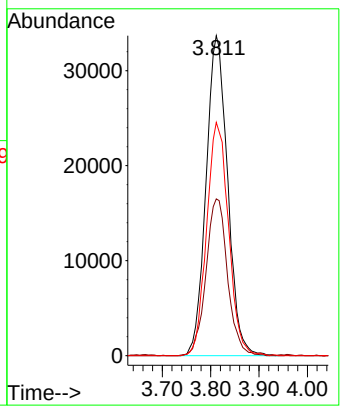




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.320 ug/l
RT: 3.811 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:101 Resp: 10425

Ion	Ratio	Lower	Upper
101	100		
85	49.0	38.6	58.0
151	74.1	59.7	89.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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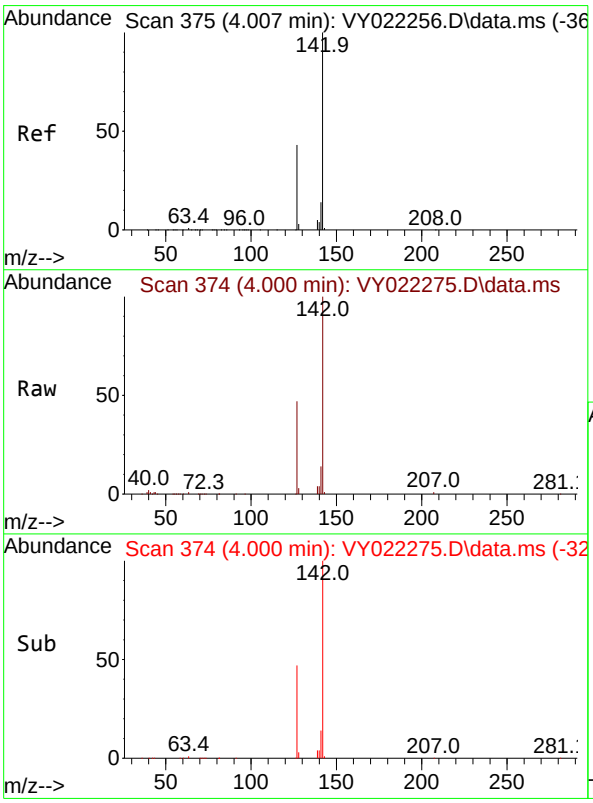
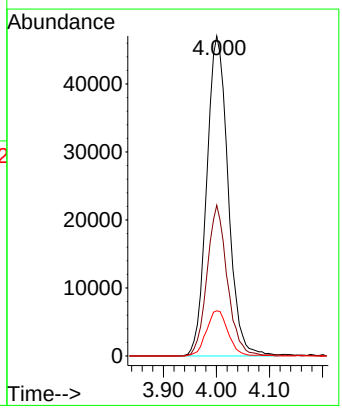
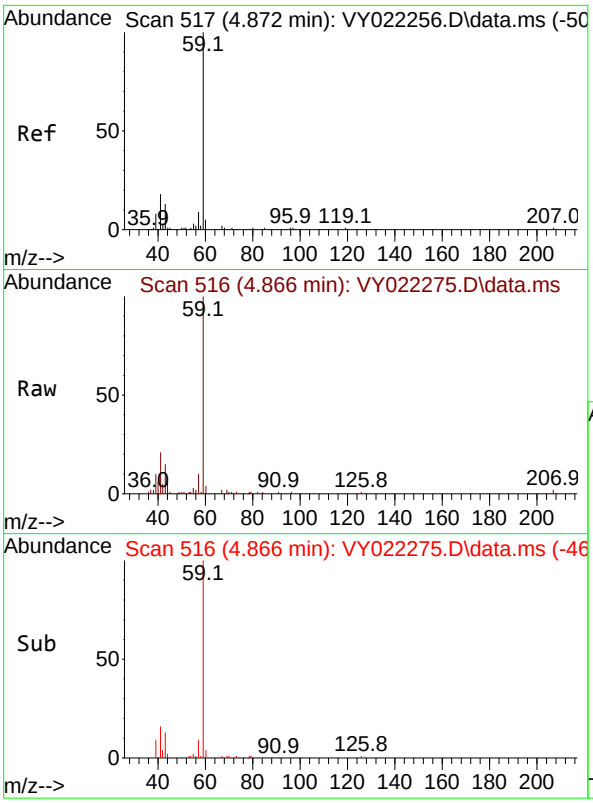


#10
Methyl Iodide
Concen: 52.738 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:142 Resp: 131696

Ion	Ratio	Lower	Upper
142	100		
127	44.7	35.7	53.5
141	14.3	11.1	16.7





#11
Tert butyl alcohol
Concen: 243.003 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 59 Resp: 4059

Ion	Ratio	Lower	Upper
59	100		
57	13.5	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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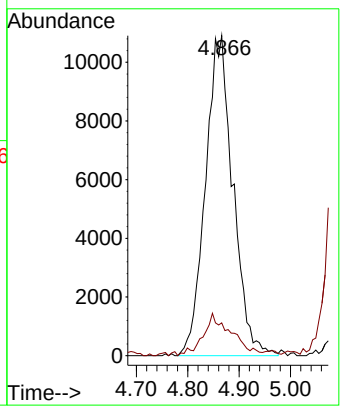
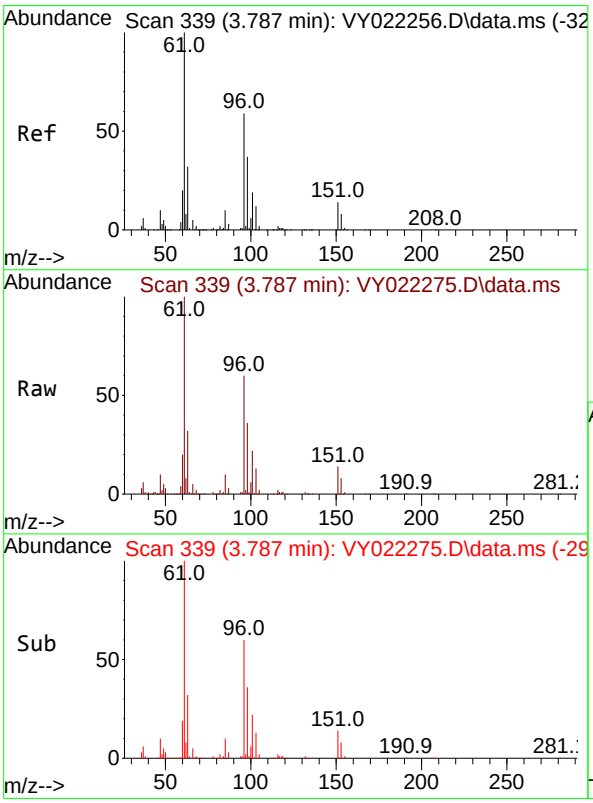
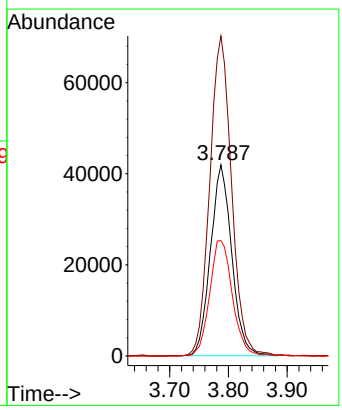


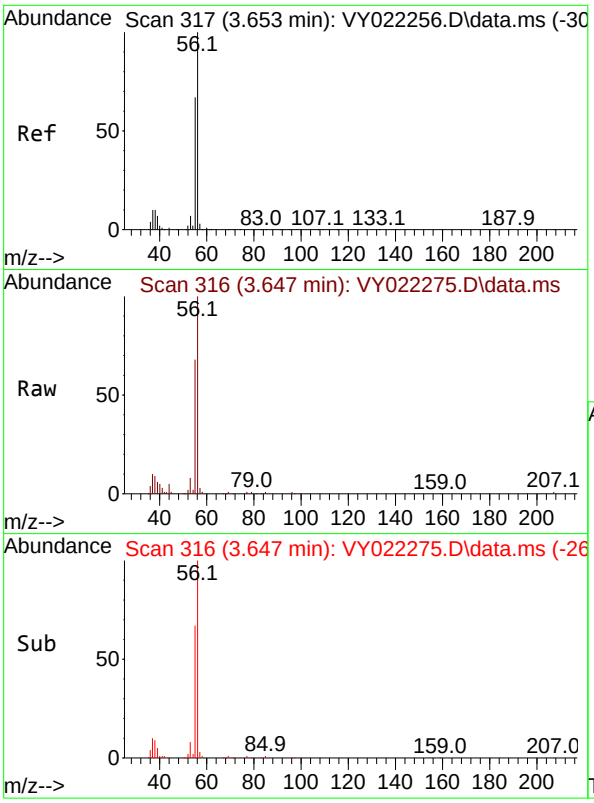


#12
1,1-Dichloroethene
Concen: 49.308 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 96 Resp: 105573

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.9	202.3
98	60.4	49.9	74.9

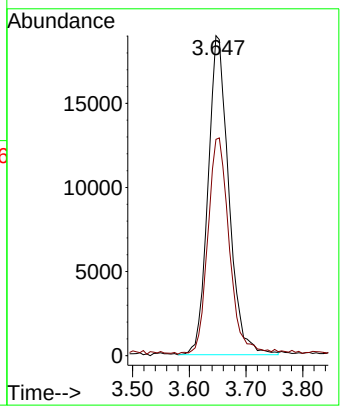




#13
Acrolein
Concen: 197.507 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 56 Resp: 4823

Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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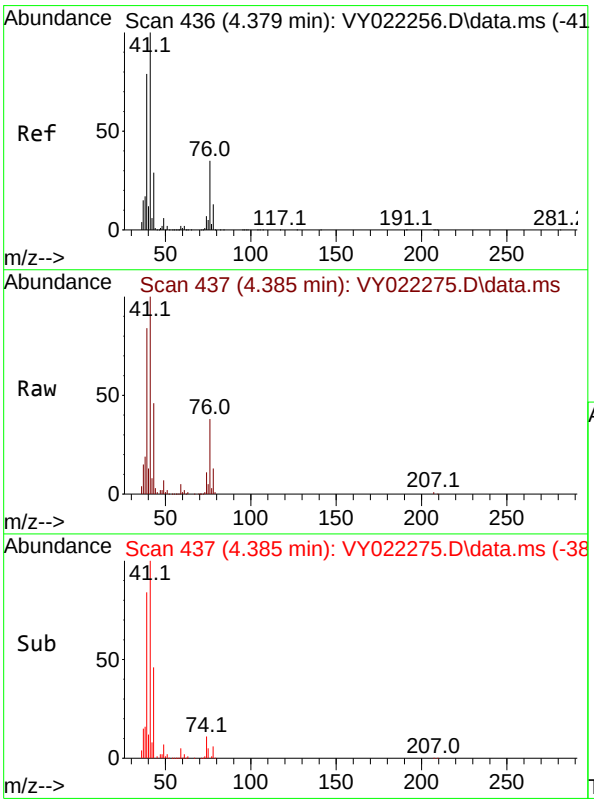
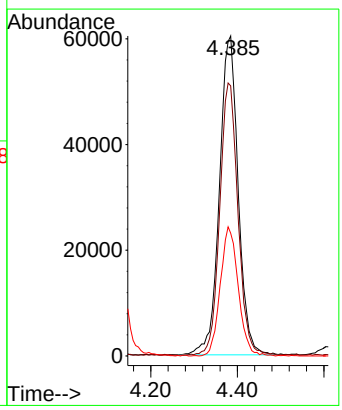
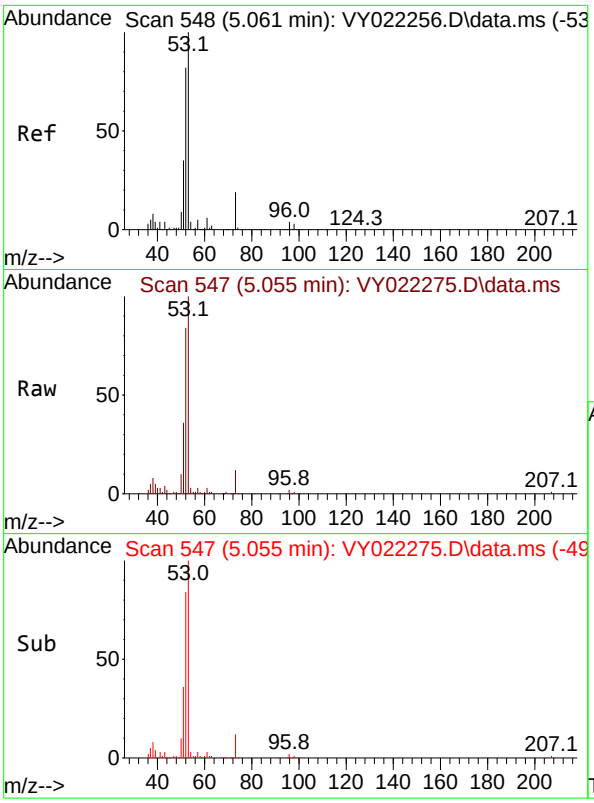


#14
Allyl chloride
Concen: 48.423 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 41 Resp: 181793

Ion	Ratio	Lower	Upper
41	100		
39	83.1	63.4	95.0
76	38.8	29.5	44.3





#15
Acrylonitrile
Concen: 256.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 53 Resp: 12600

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	37.5	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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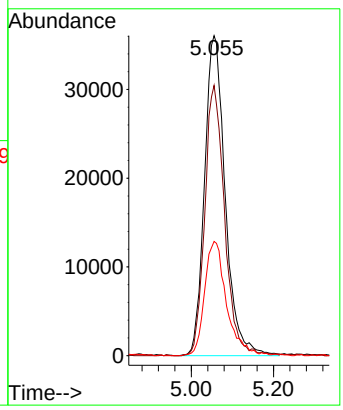
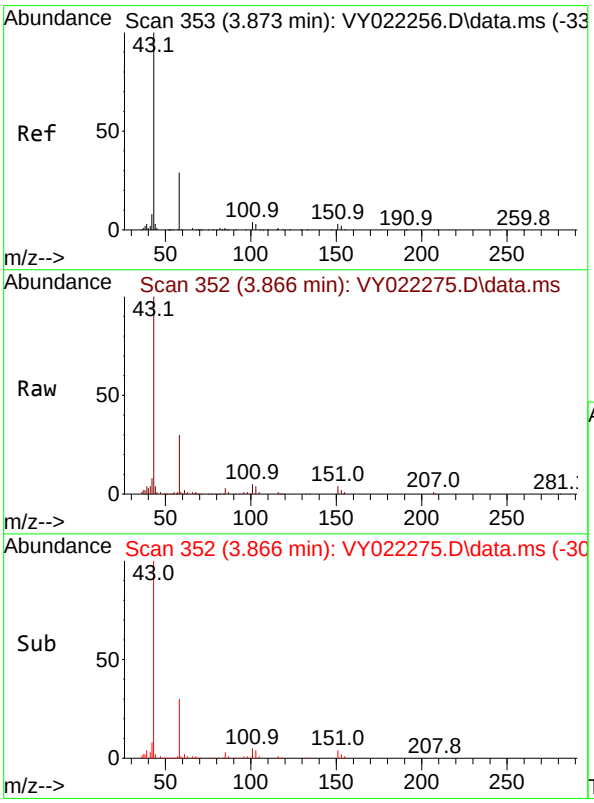
Supervised By :Semsettin Yesilyurt 05/16/2025

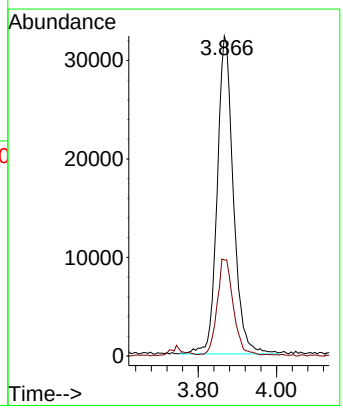


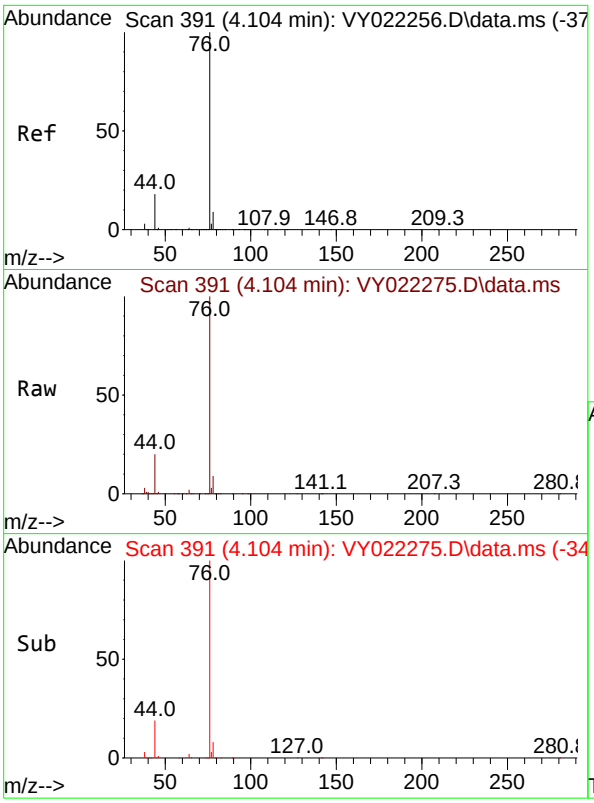


#16
Acetone
Concen: 226.053 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 92726

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4





#17
Carbon Disulfide
Concen: 50.021 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 76 Resp: 34924

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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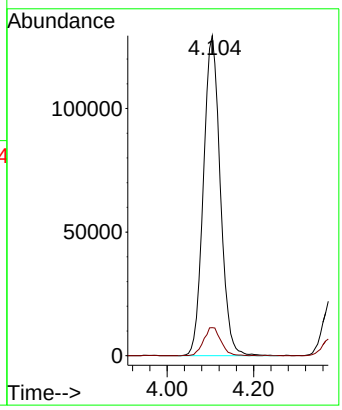
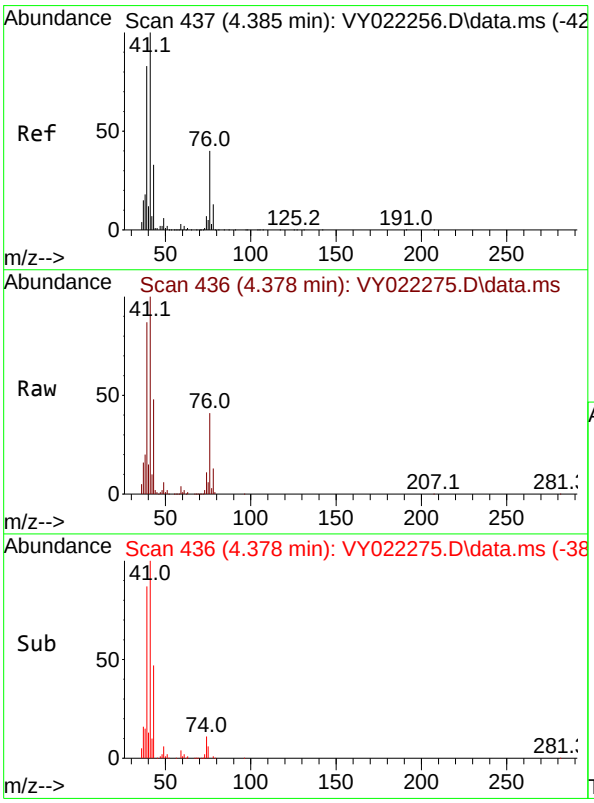
Supervised By :Semsettin Yesilyurt 05/16/2025

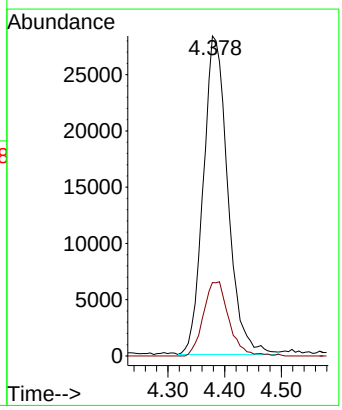


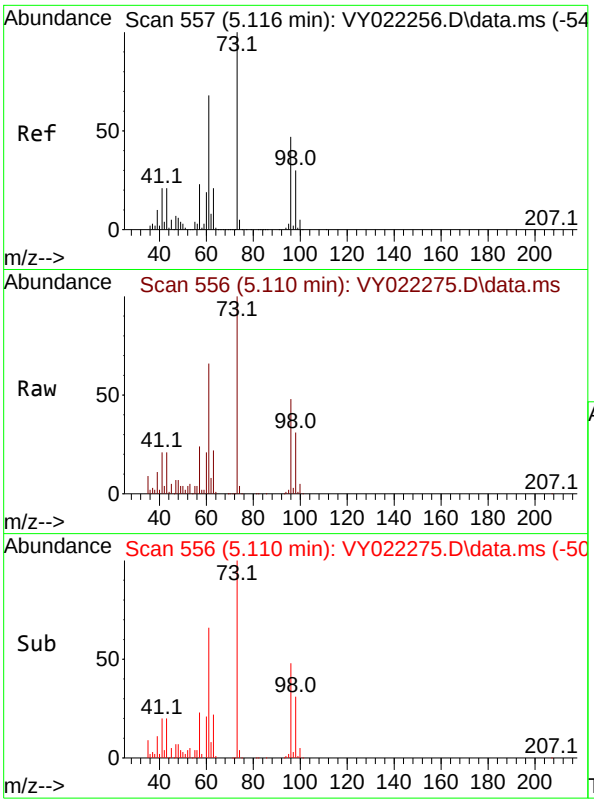


#18
Methyl Acetate
Concen: 65.768 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 85059

Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.2	27.4

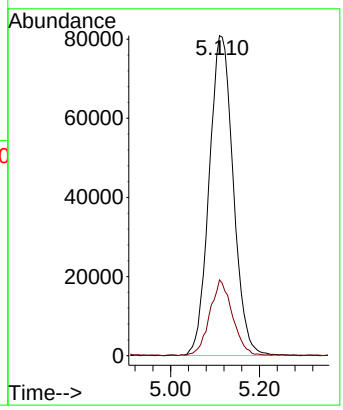




#19
Methyl tert-butyl Ether
Concen: 51.461 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 73 Resp: 30380

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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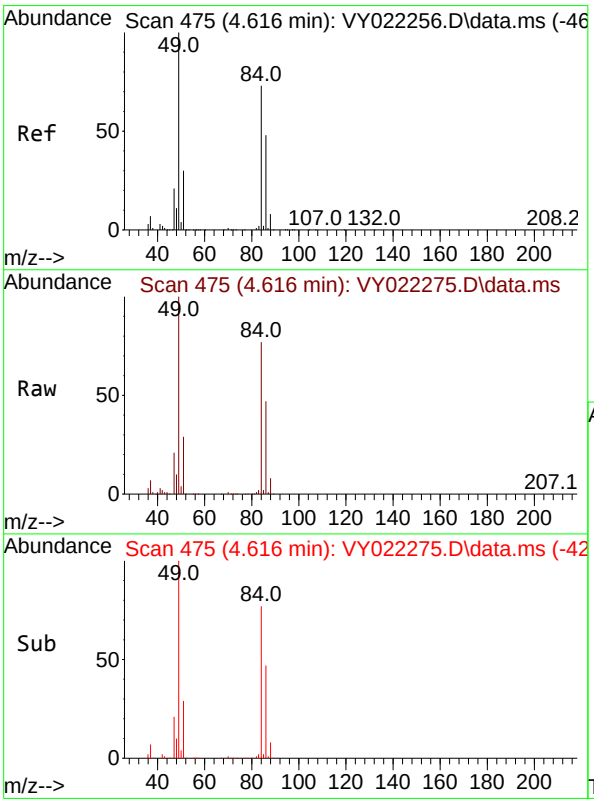
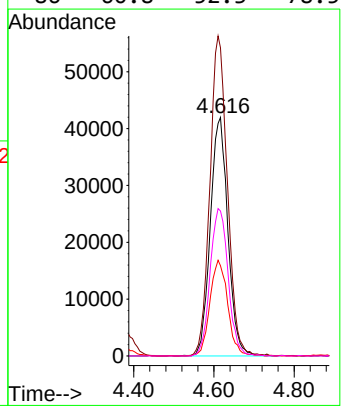
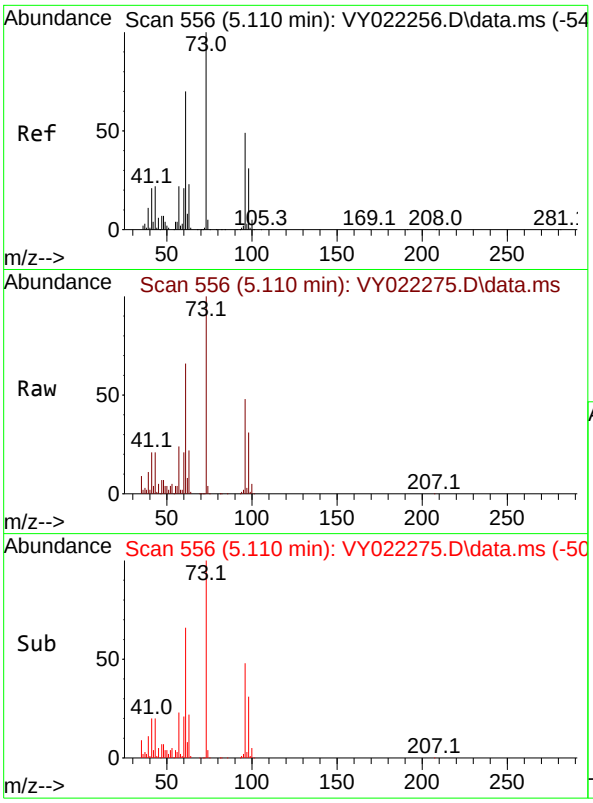


#20
Methylene Chloride
Concen: 48.271 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 84 Resp: 127944

Ion	Ratio	Lower	Upper
84	100		
49	129.2	109.6	164.4
51	37.8	32.4	48.6
86	60.8	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 51.151 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 96 Resp: 12088

Ion	Ratio	Lower	Upper
96	100		
61	138.3	113.4	170.0
98	64.5	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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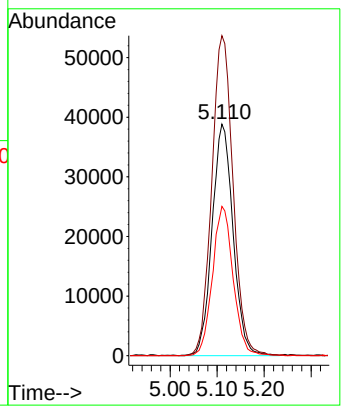
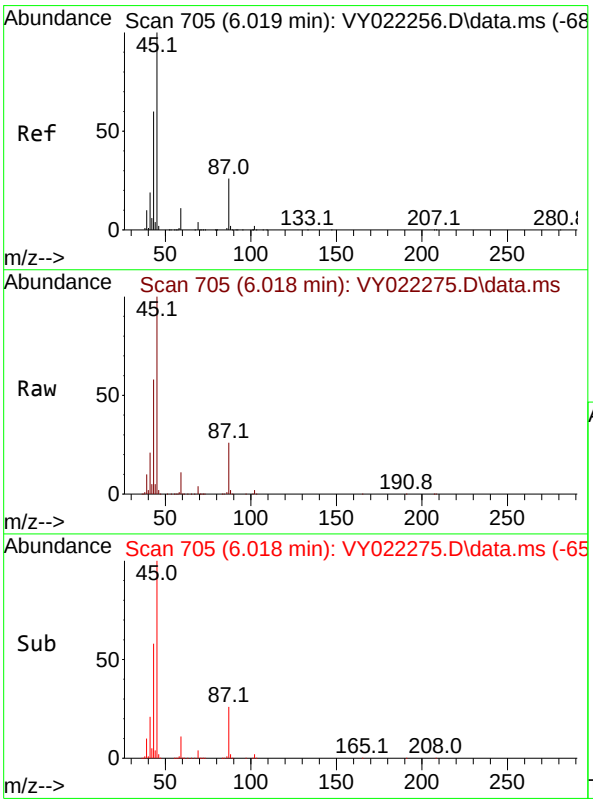
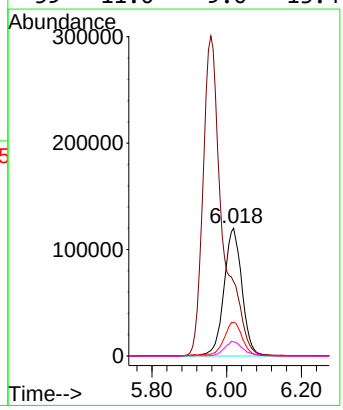


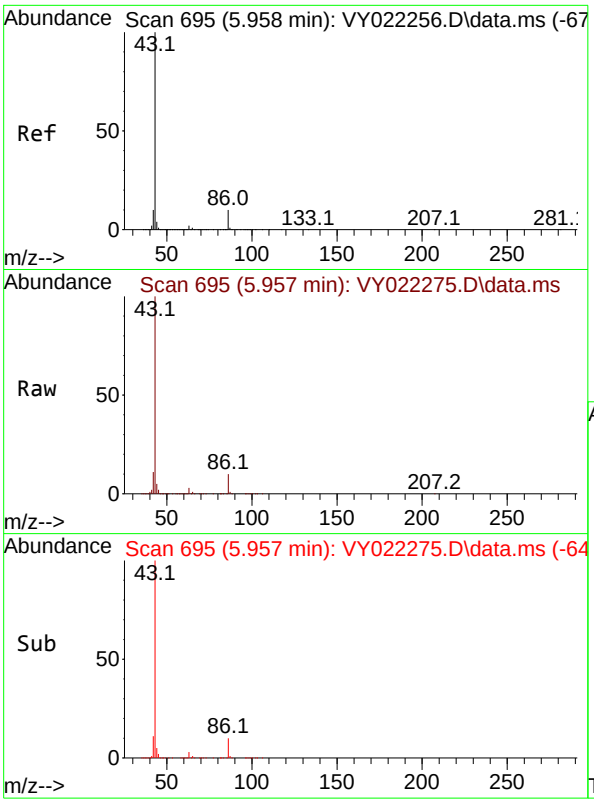


#22
Diisopropyl ether
Concen: 50.504 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 45 Resp: 400400

Ion	Ratio	Lower	Upper
45	100		
43	57.8	48.2	72.2
87	26.1	21.4	32.0
59	11.0	9.0	13.4





#23
Vinyl Acetate
Concen: 226.852 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 108654

Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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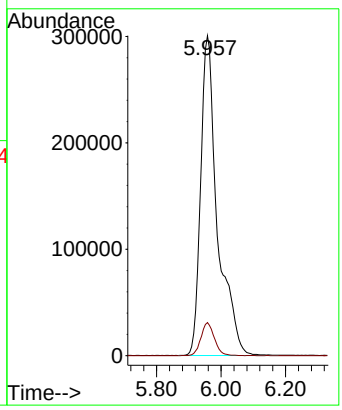
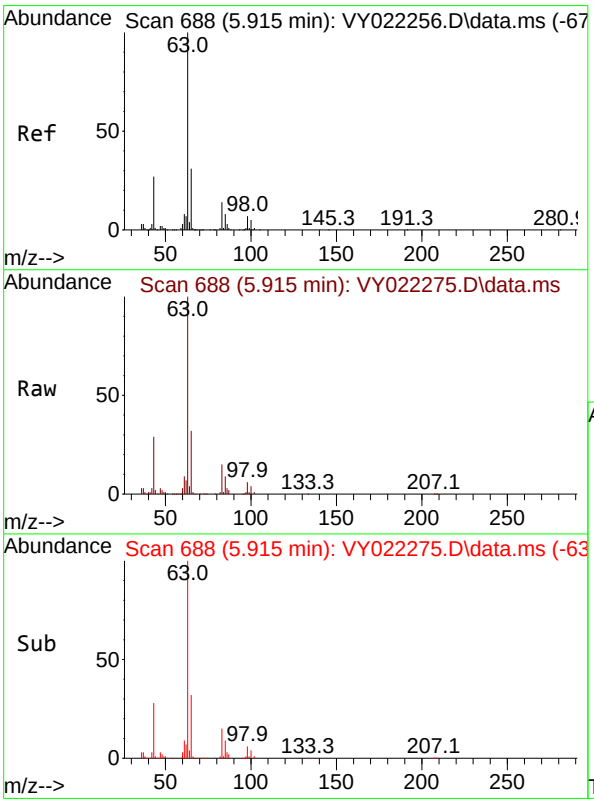
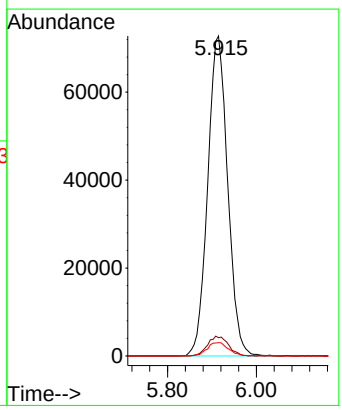


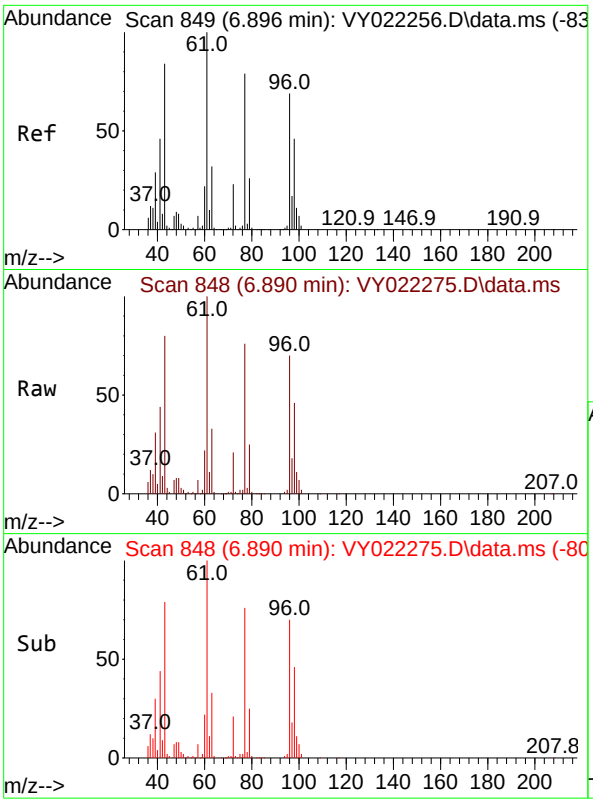


#24
1,1-Dichloroethane
Concen: 51.243 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 63 Resp: 226971

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 238.789 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 16384

Ion	Ratio	Lower	Upper
43	100		
72	26.9	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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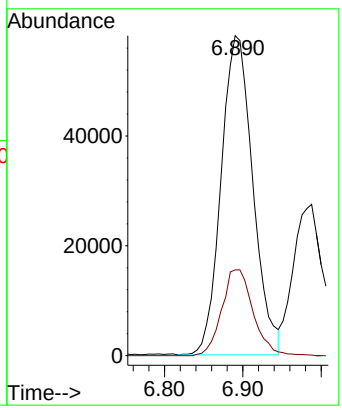
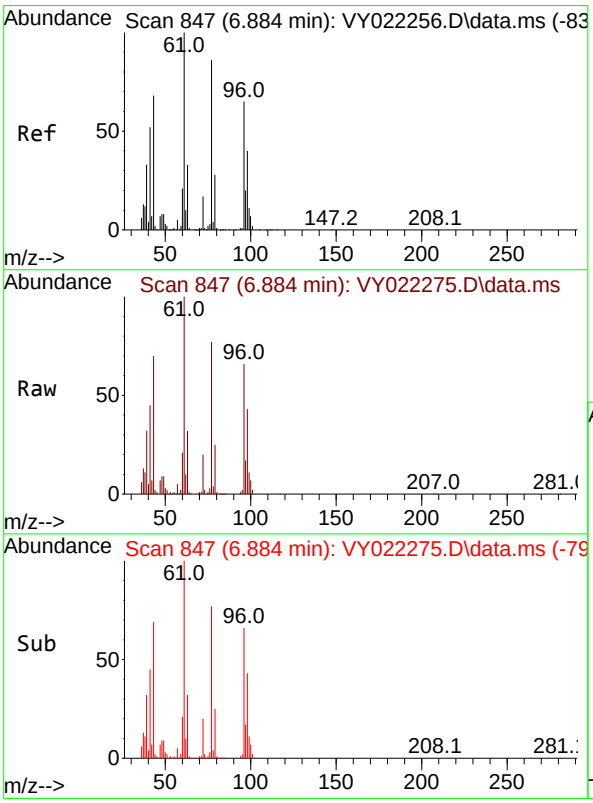
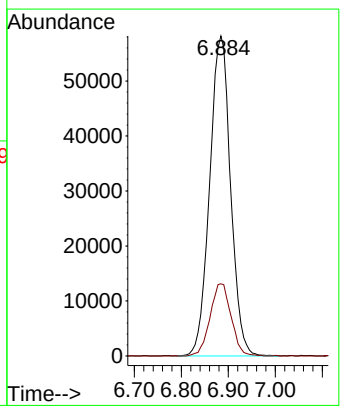


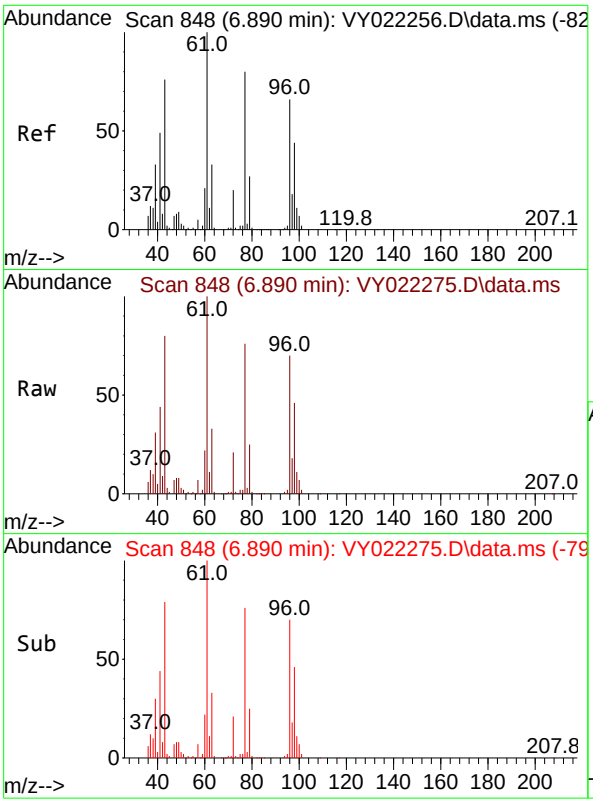


#26
2,2-Dichloropropane
Concen: 45.640 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 77 Resp: 179803

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 51.993 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 96 Resp: 14179

Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	302.6
98	65.0	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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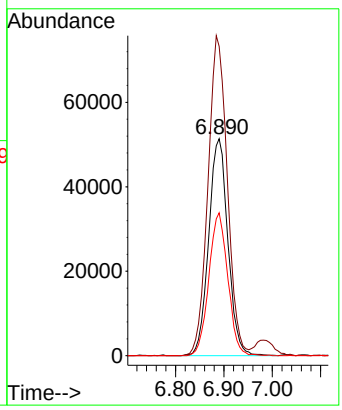
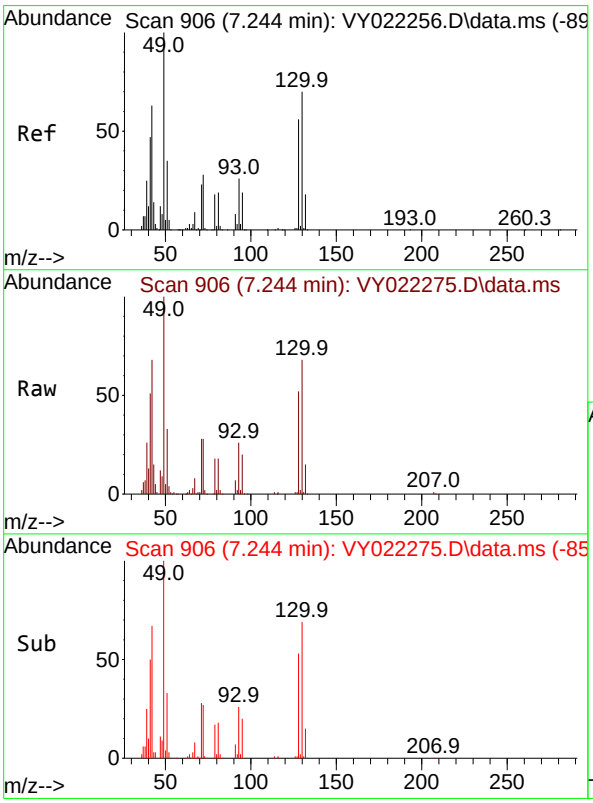
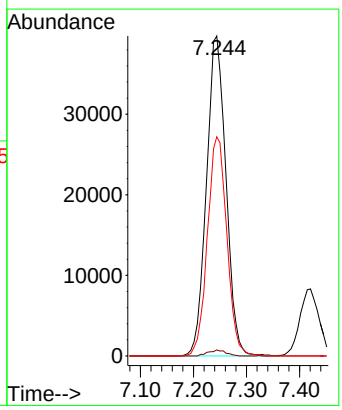


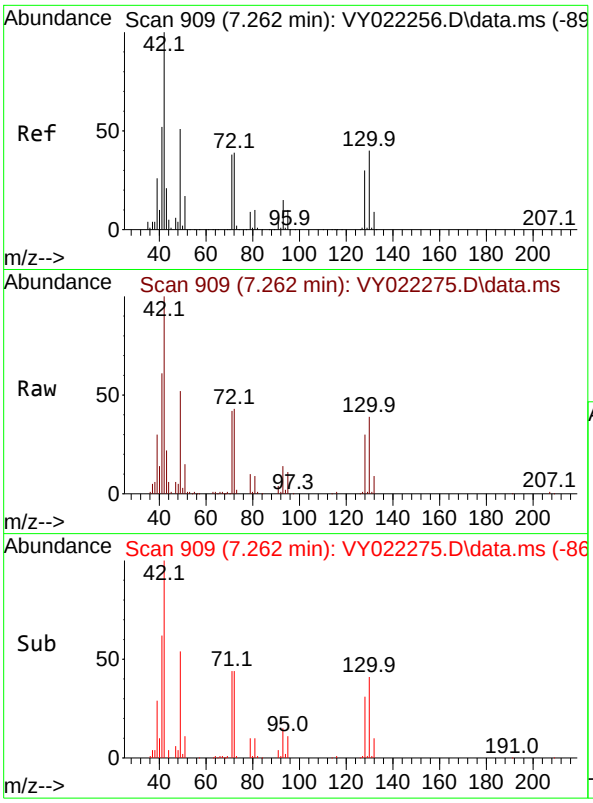


#28
Bromochloromethane
Concen: 53.763 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 49 Resp: 101573

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	68.2	54.7	82.1





#29
Tetrahydrofuran
Concen: 252.225 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 42 Resp: 11133

Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.8	50.6
71	41.0	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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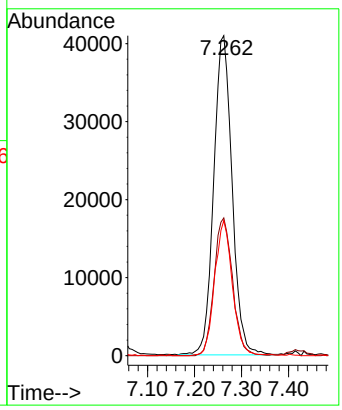
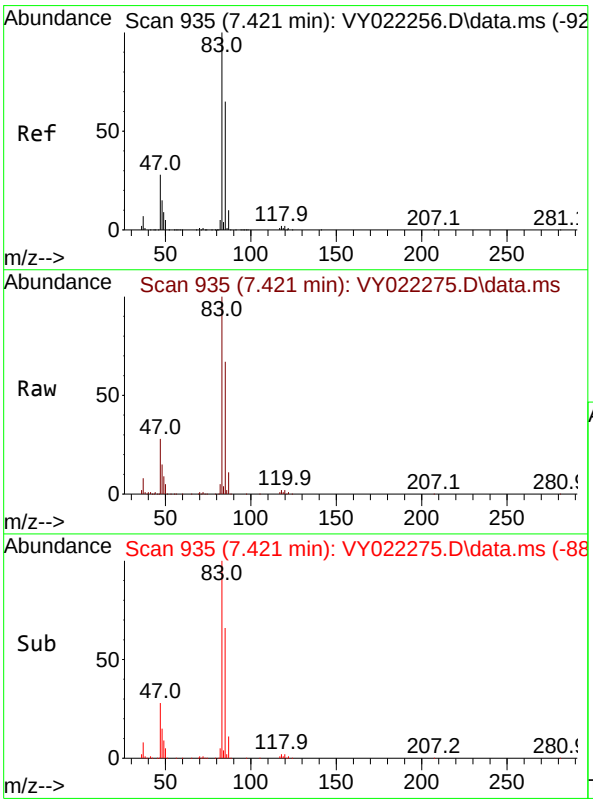
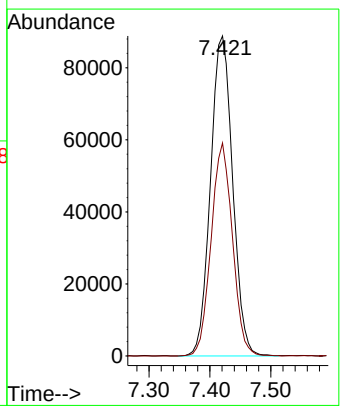


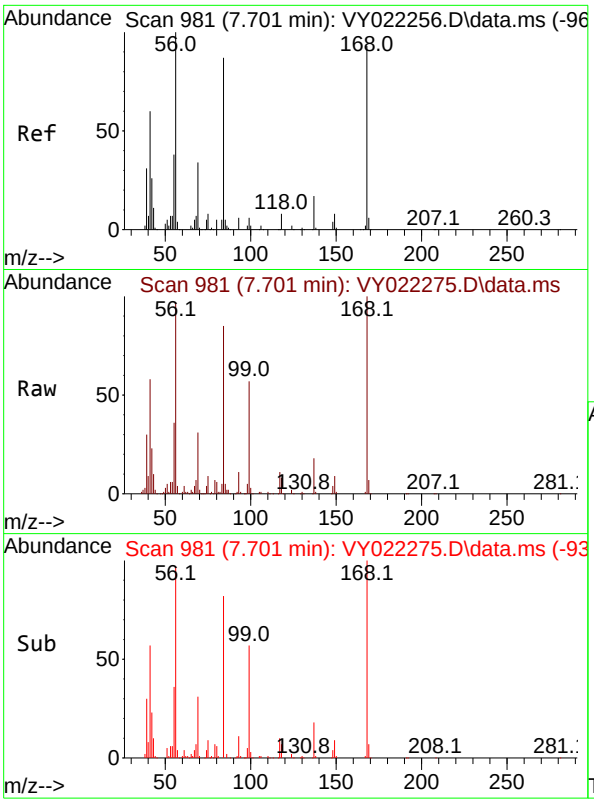


#30
Chloroform
Concen: 52.812 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 83 Resp: 224372

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.8





#31
Cyclohexane
Concen: 45.201 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 56 Resp: 20003

Ion	Ratio	Lower	Upper
56	100		
69	32.1	27.4	41.2
84	86.8	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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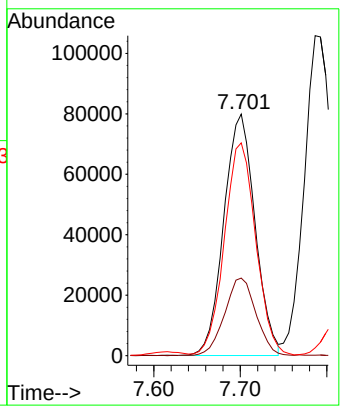
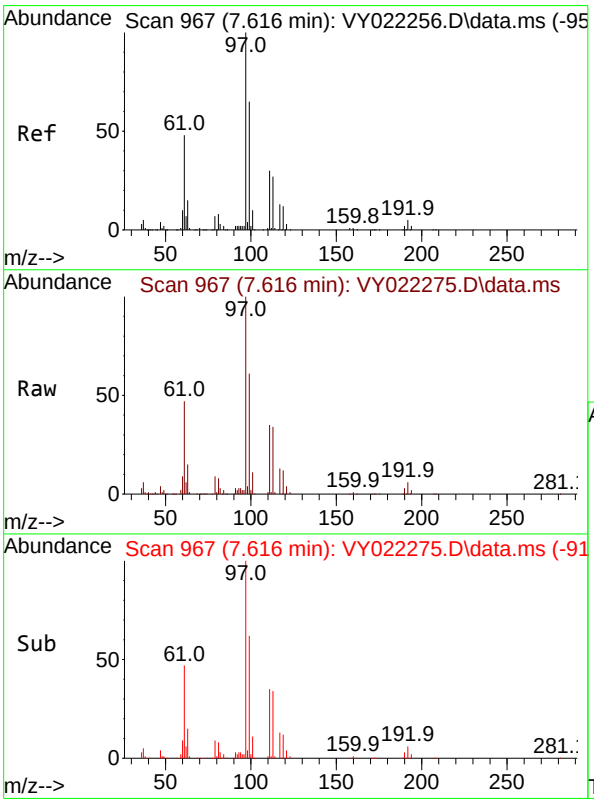
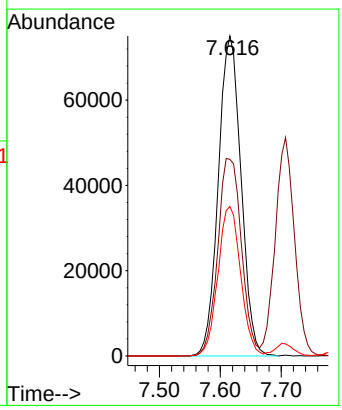


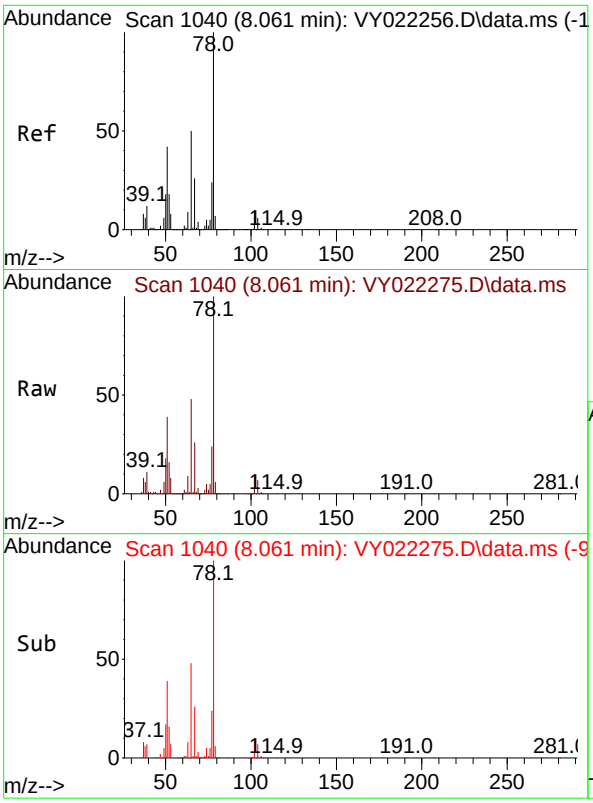


#32
1,1,1-Trichloroethane
Concen: 49.923 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 97 Resp: 194589

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	46.8	38.1	57.1

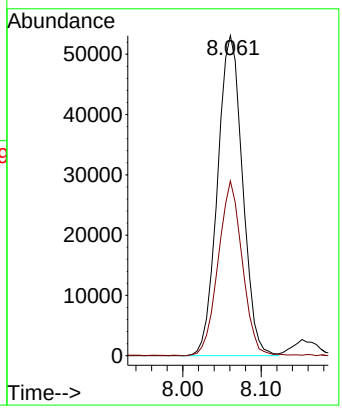




#33
1,2-Dichloroethane-d4
Concen: 53.878 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 65 Resp: 11786

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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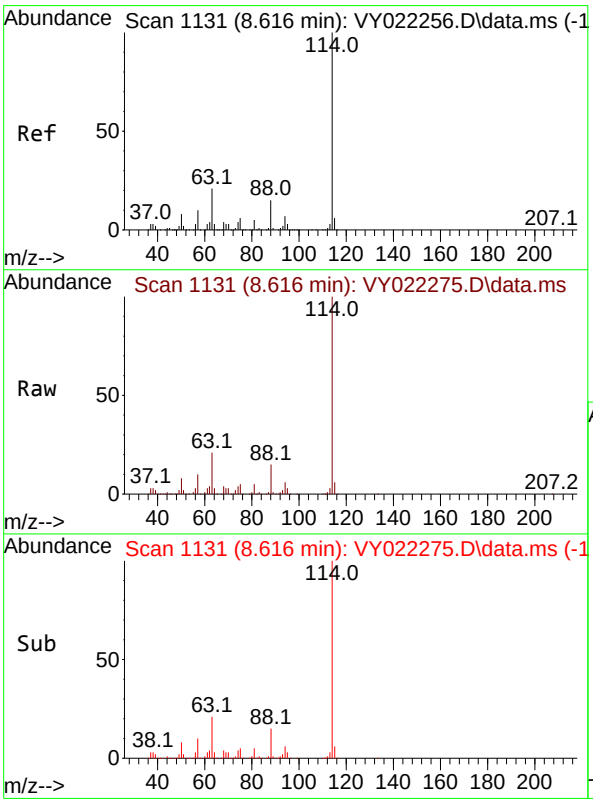
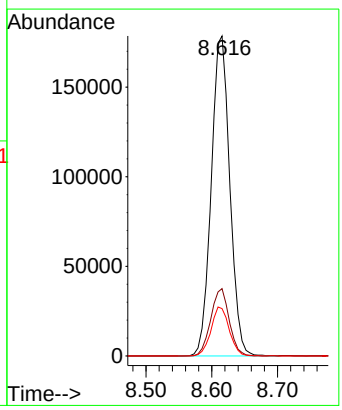
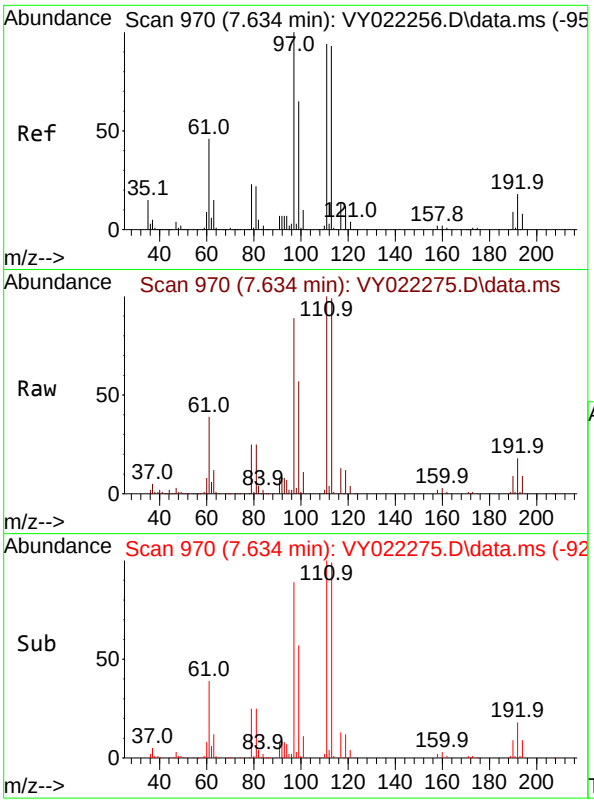


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:114 Resp: 350341

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	14.8	0.0	29.4

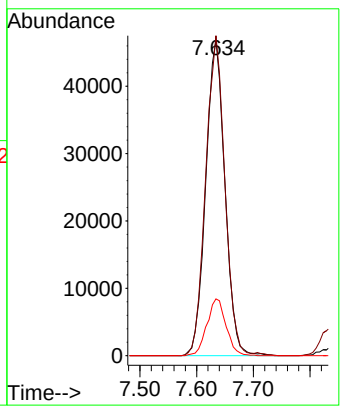




#35
Dibromofluoromethane
Concen: 52.681 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:113 Resp: 11015

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	18.0	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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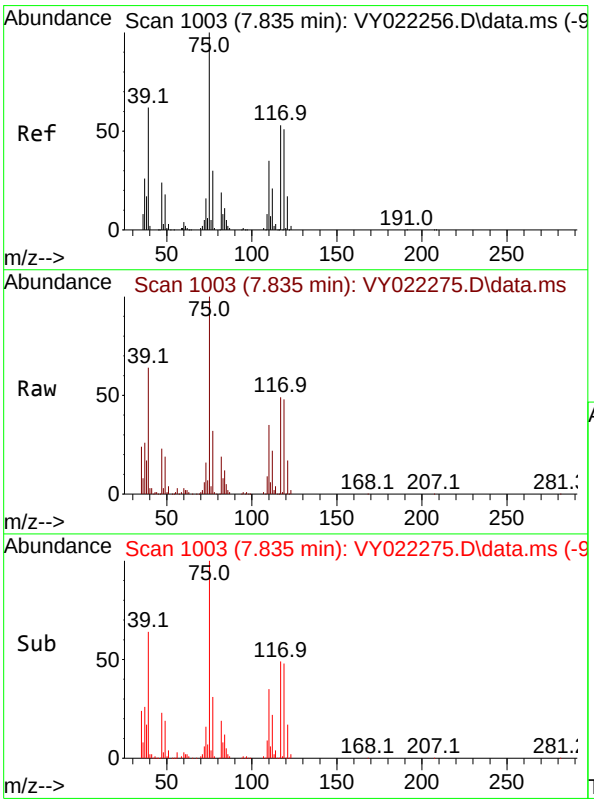
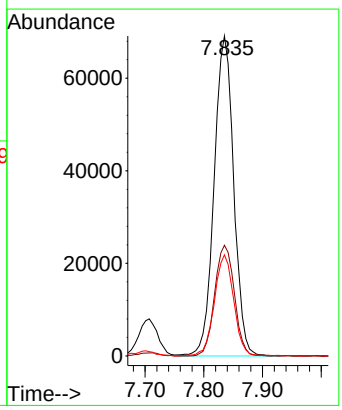
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

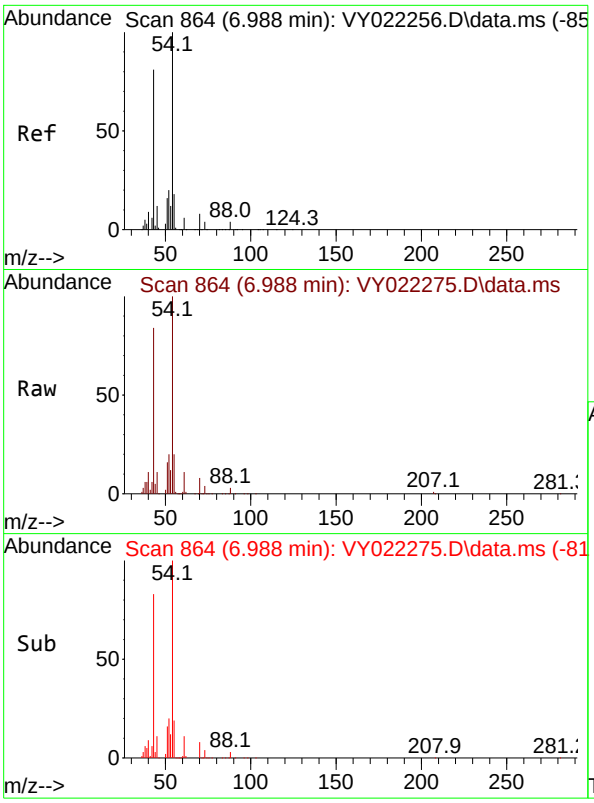


#36
1,1-Dichloropropene
Concen: 46.428 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 159907

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.6	49.8
77	31.3	24.6	37.0





#37
Ethyl Acetate
Concen: 45.459 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 7533

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.2
70	9.4	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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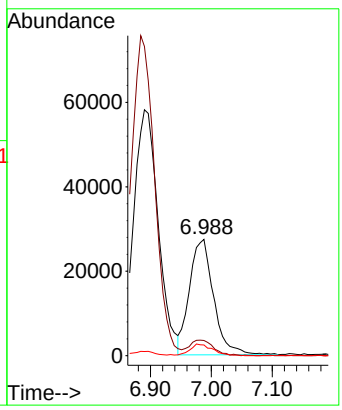
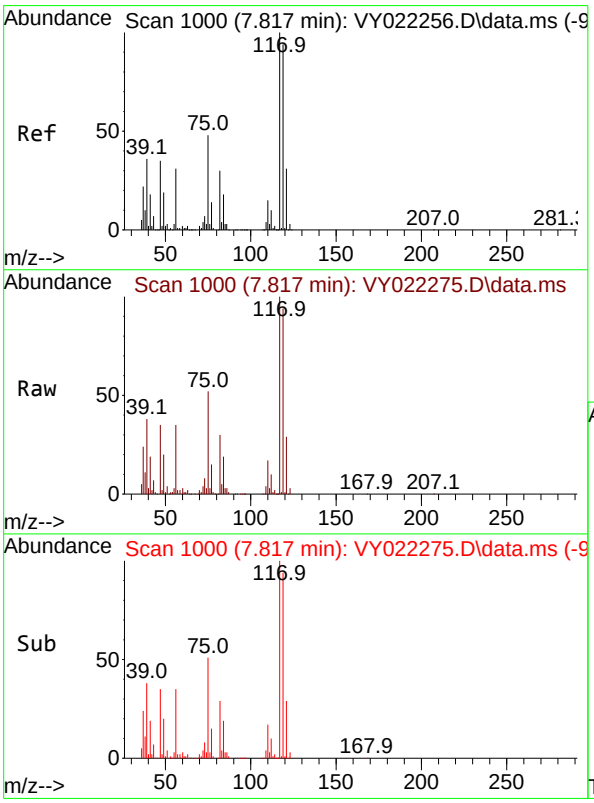
Supervised By :Semsettin Yesilyurt 05/16/2025

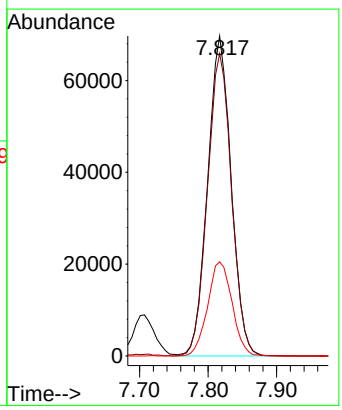


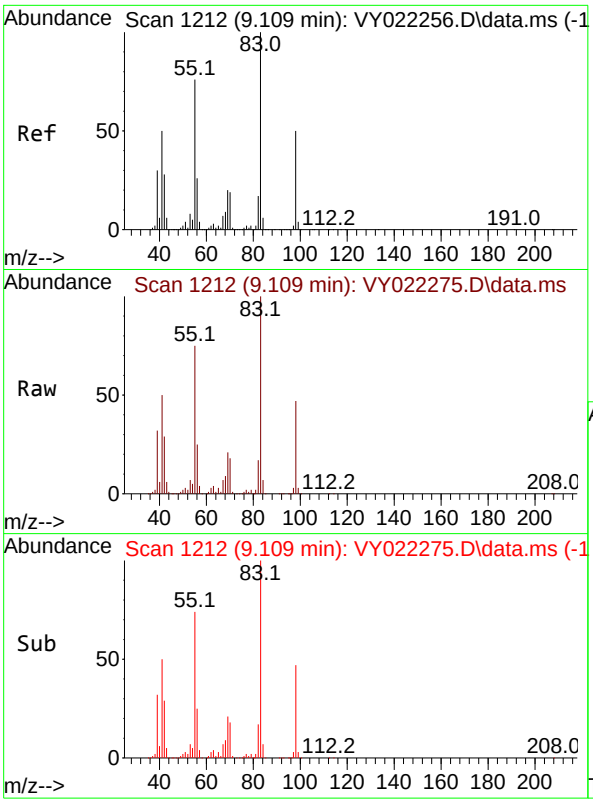


#38
Carbon Tetrachloride
Concen: 46.629 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:117 Resp: 166240

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.3	112.9
121	29.4	24.7	37.1

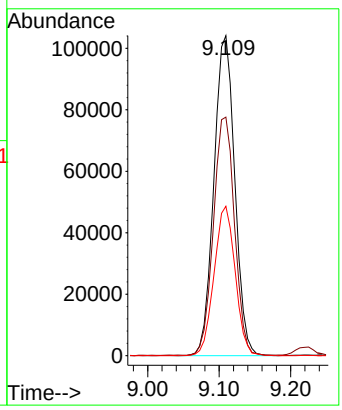




#39
Methylcyclohexane
Concen: 45.585 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 83 Resp: 21093

Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.6	90.8
98	46.7	40.0	60.0



Instrument :
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ClientSampleId :
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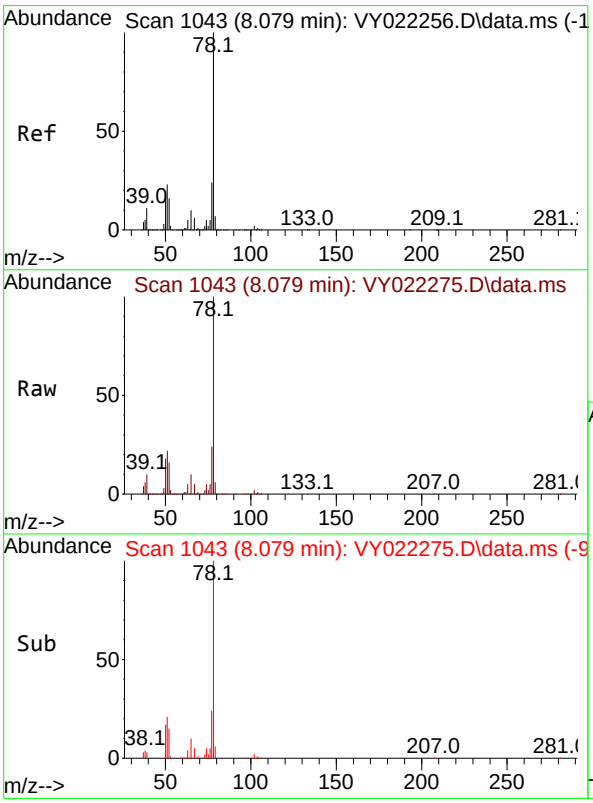
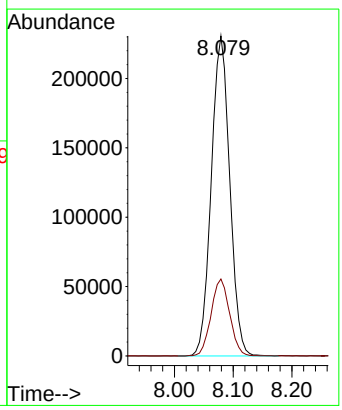
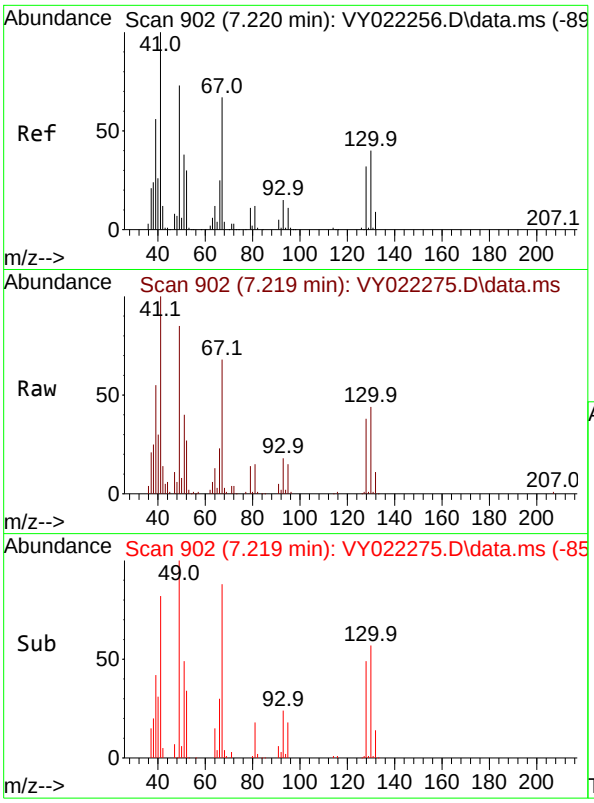


#40
Benzene
Concen: 49.319 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 78 Resp: 503565

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3

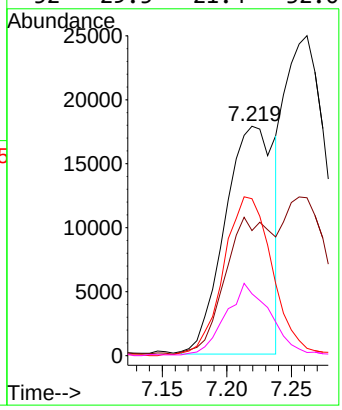




#41
Methacrylonitrile
Concen: 43.280 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 41 Resp: 4757

Ion	Ratio	Lower	Upper
41	100		
39	58.2	39.1	58.7
67	70.2	47.1	70.7
52	29.5	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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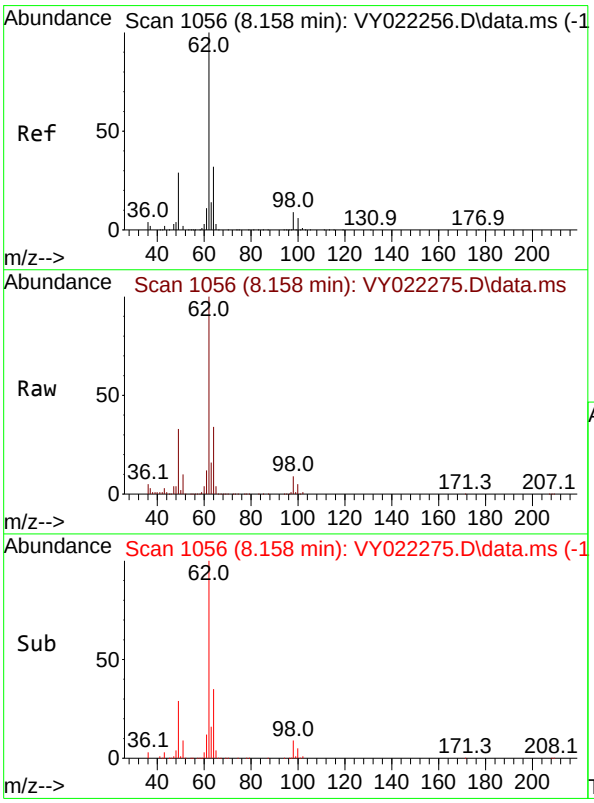
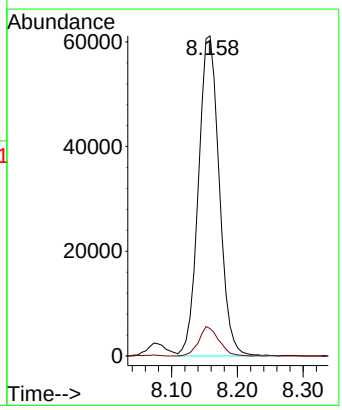
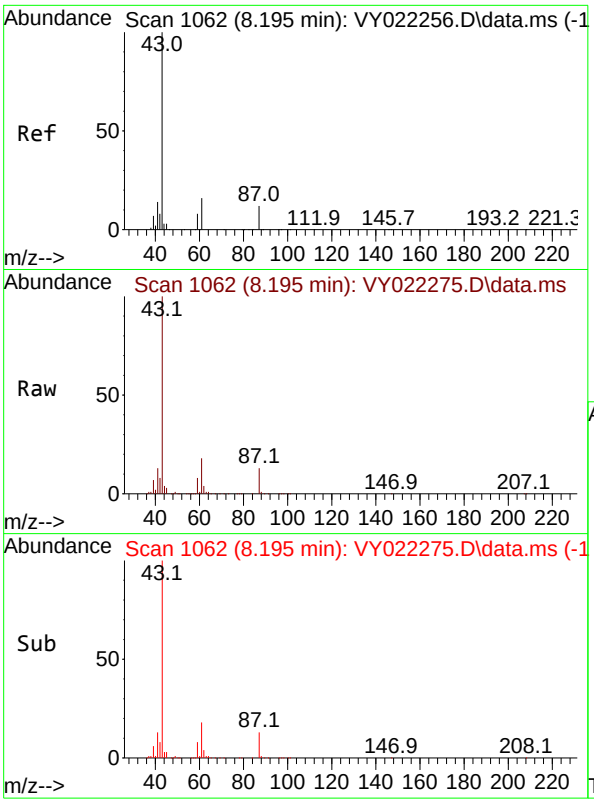


#42
1,2-Dichloroethane
Concen: 48.660 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 62 Resp: 134356

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4





#43
Isopropyl Acetate
Concen: 45.928 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 16598

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.1	22.7
87	12.4	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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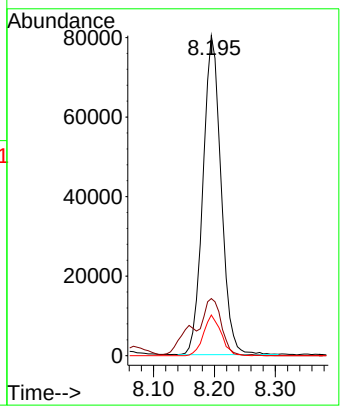
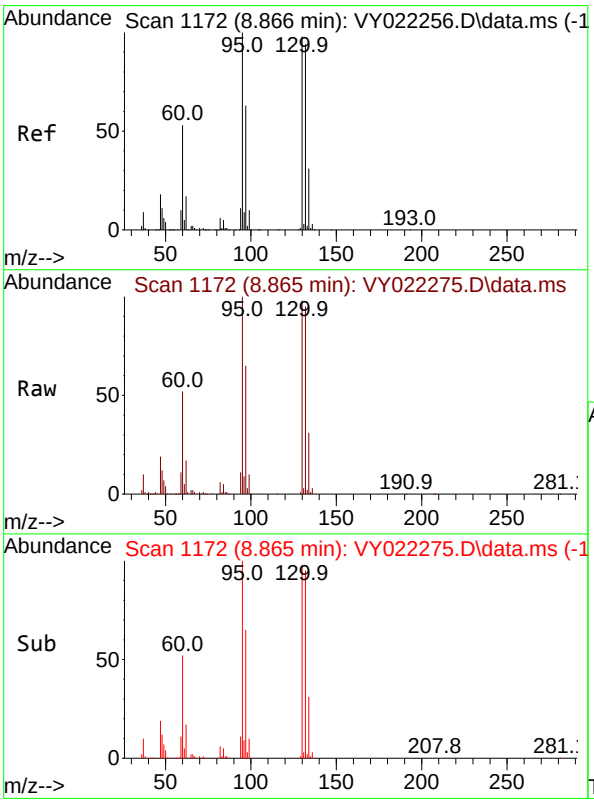
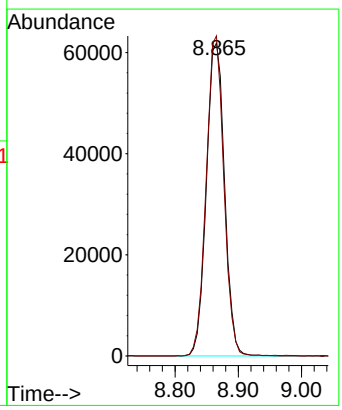


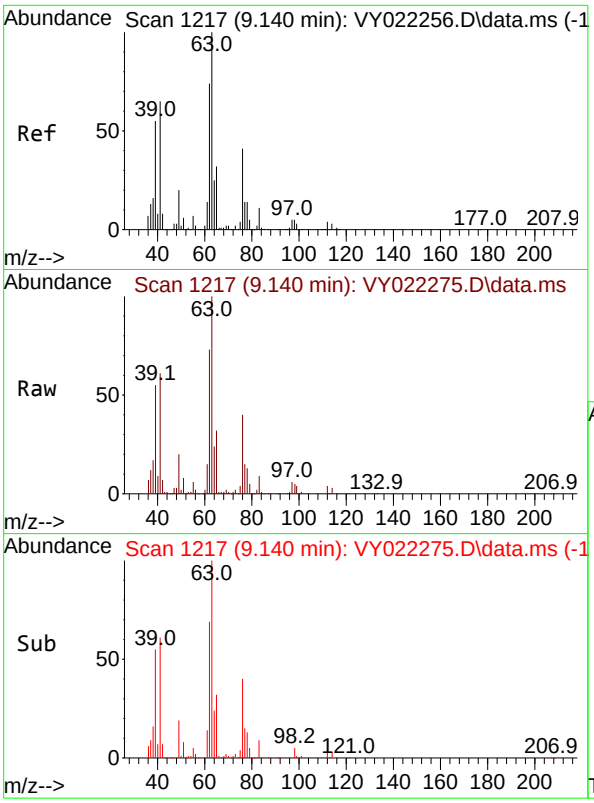


#44
Trichloroethene
Concen: 48.649 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:130 Resp: 123509

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.8





#45
1,2-Dichloropropane
Concen: 48.787 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 63 Resp: 12009

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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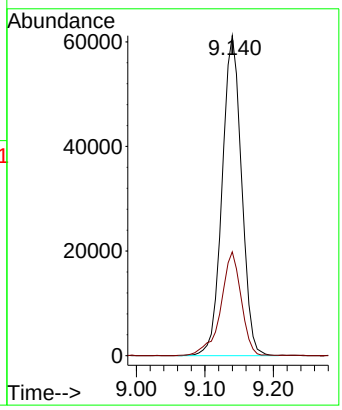
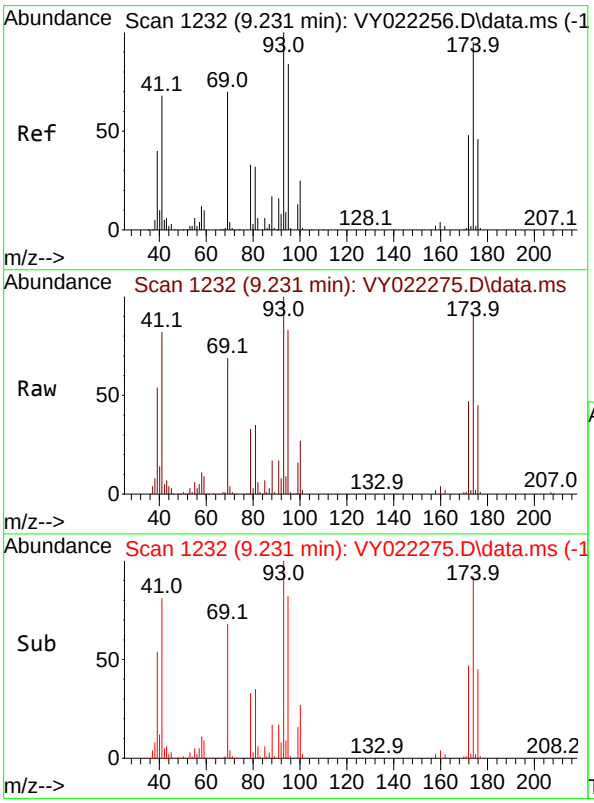
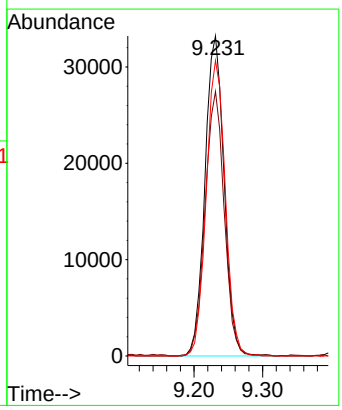


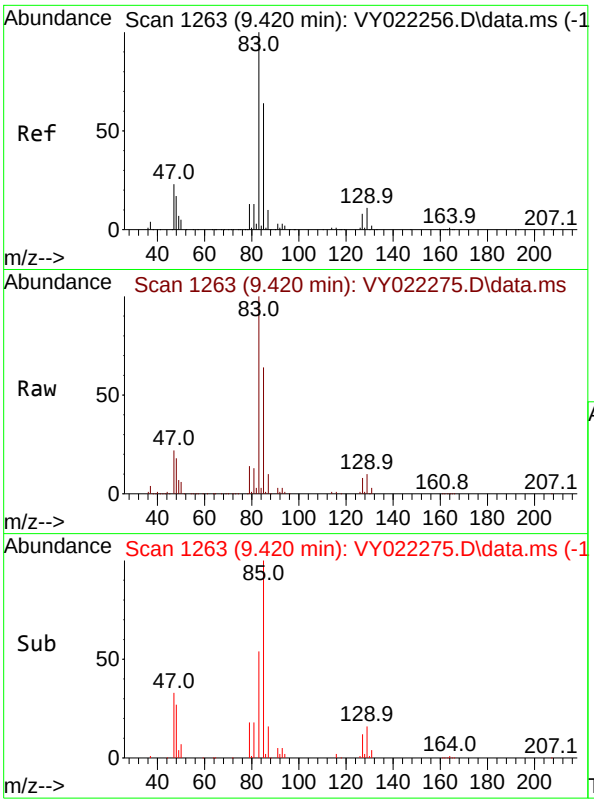


#46
Dibromomethane
Concen: 48.413 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 93 Resp: 64278

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.2	97.8
174	92.1	74.3	111.5

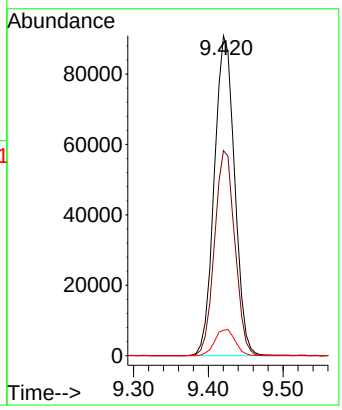




#47
Bromodichloromethane
Concen: 49.963 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 83 Resp: 17209

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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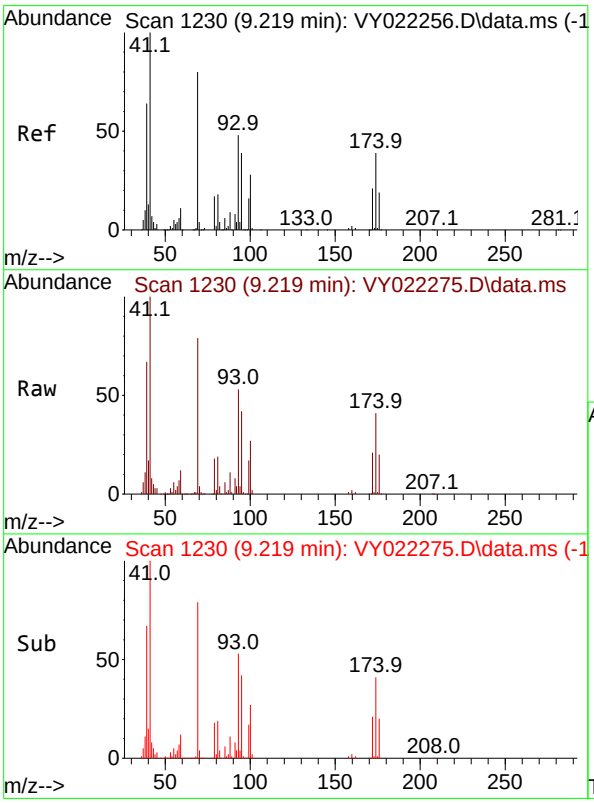
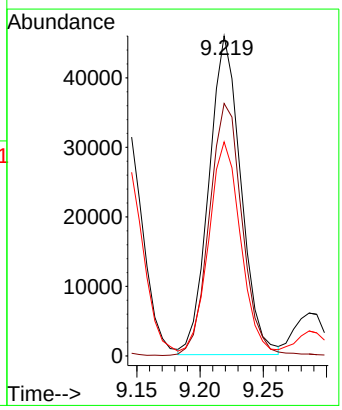
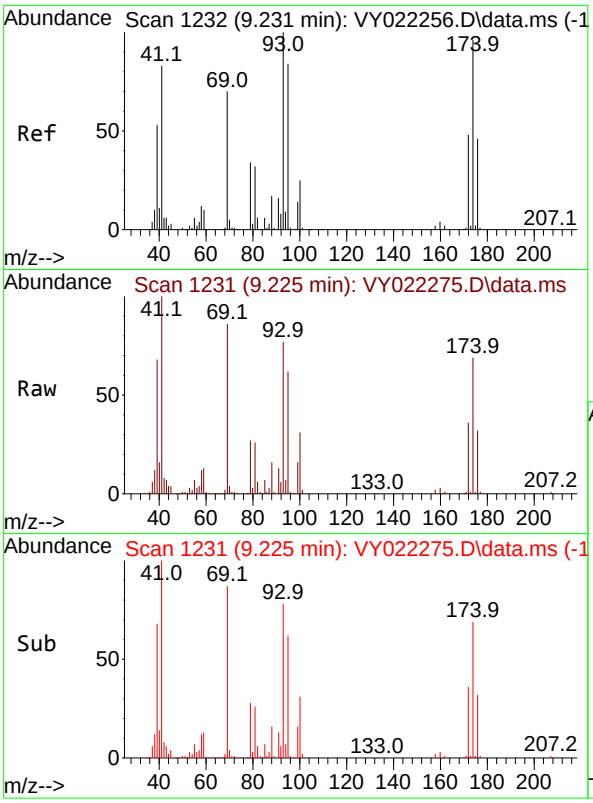


#48
Methyl methacrylate
Concen: 47.699 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 41 Resp: 80618

Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.5	95.3
39	64.8	50.8	76.2





#49
1,4-Dioxane
Concen: 968.930 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 88 Resp: 1453

Ion	Ratio	Lower	Upper
88	100		
43	35.0	28.5	42.7
58	73.1	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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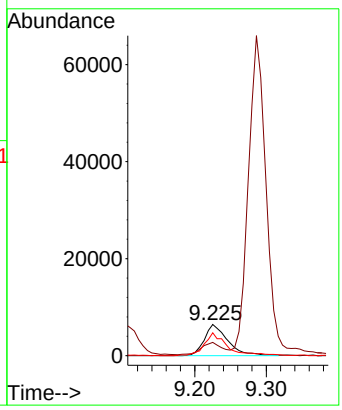
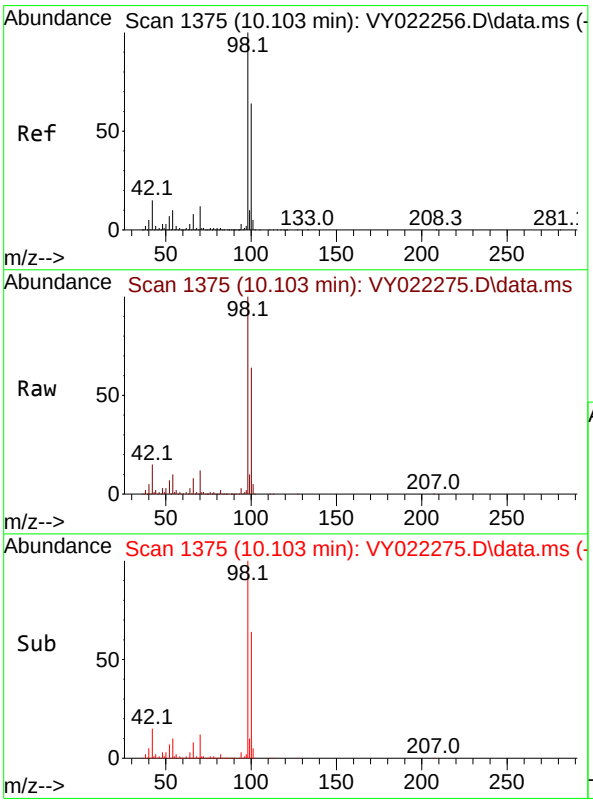
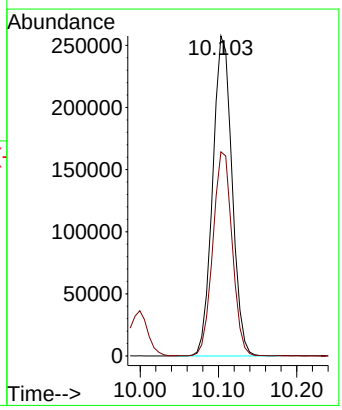


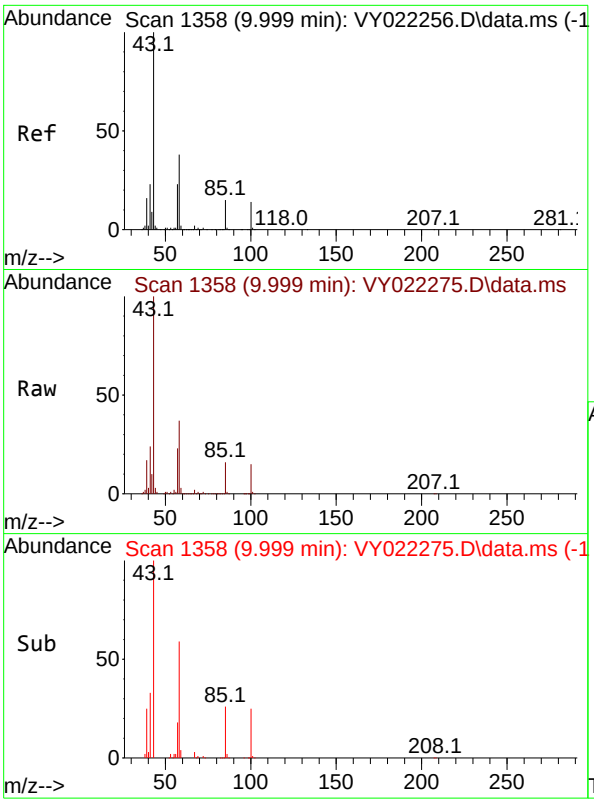


#50
Toluene-d8
Concen: 51.640 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 98 Resp: 442242

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8

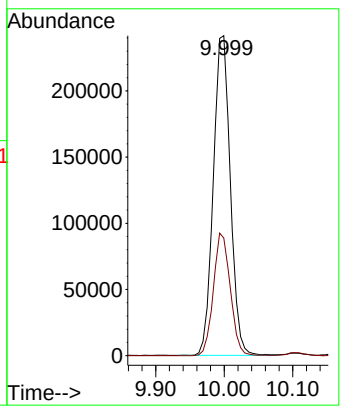




#51
4-Methyl-2-Pentanone
Concen: 235.486 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 41759

Ion	Ratio	Lower	Upper
43	100		
58	38.0	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
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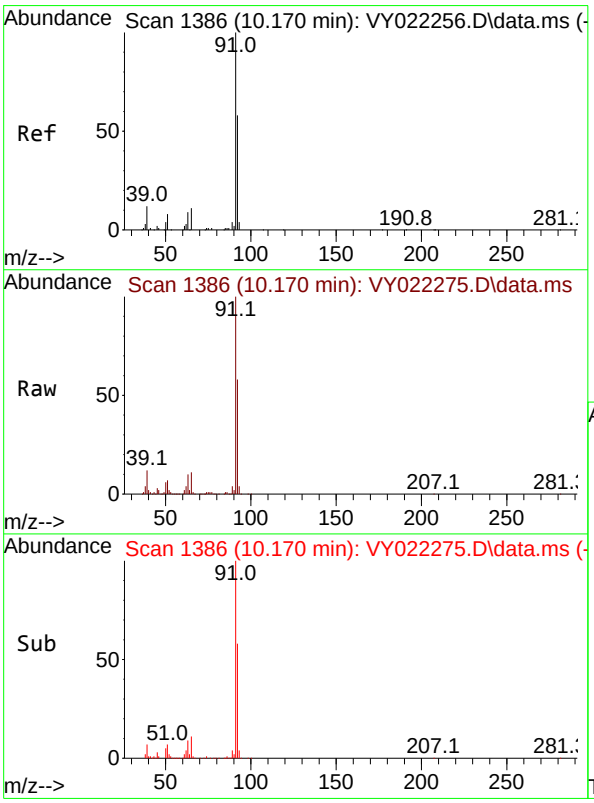
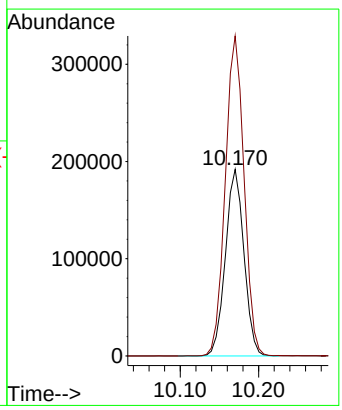
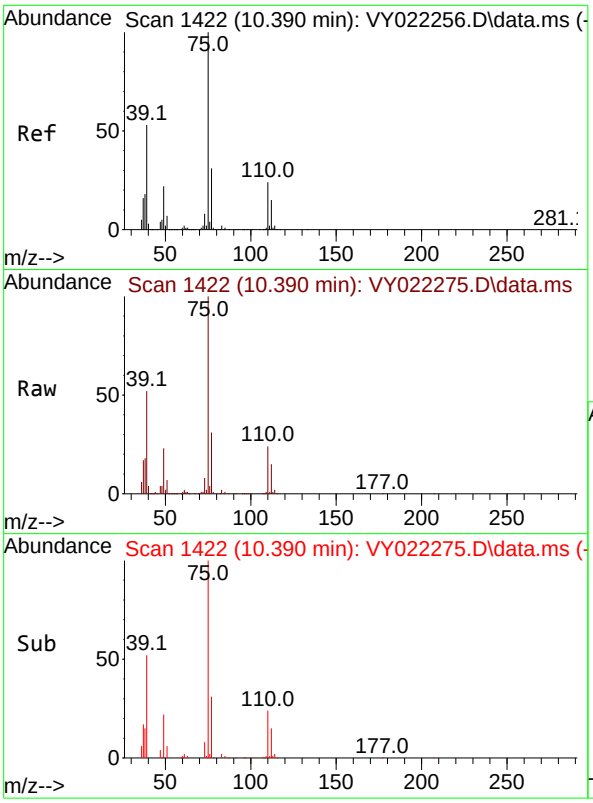


#52
Toluene
Concen: 48.800 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 92 Resp: 315520

Ion	Ratio	Lower	Upper
92	100		
91	174.1	139.1	208.7

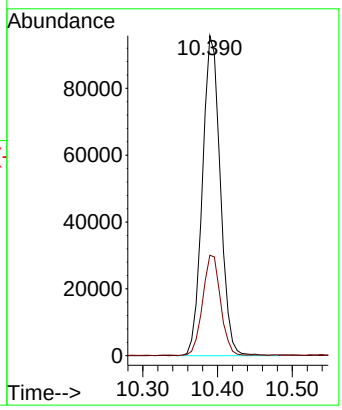




#53
t-1,3-Dichloropropene
Concen: 47.262 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 15886

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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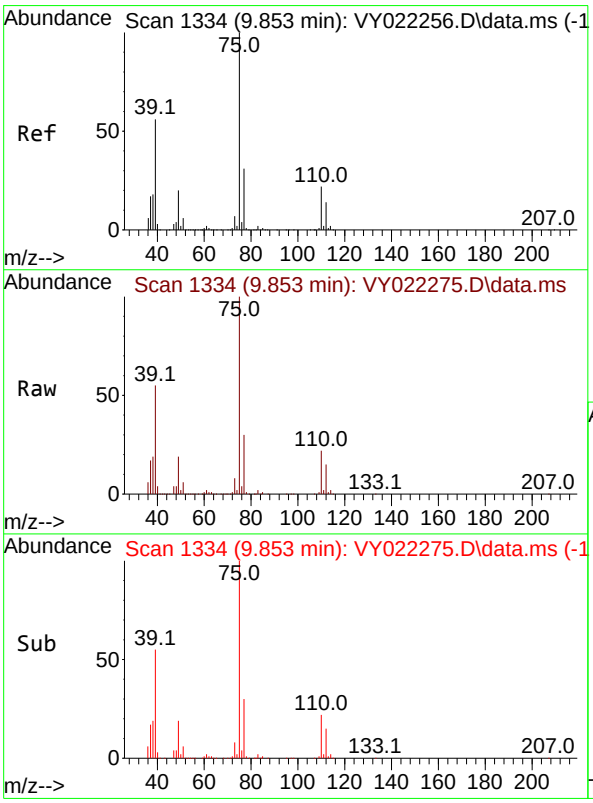
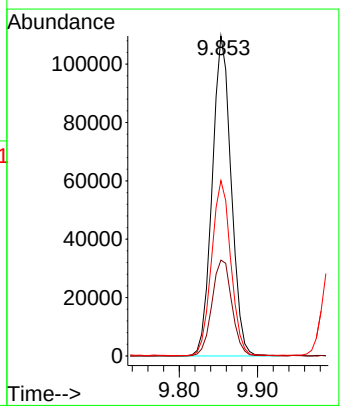
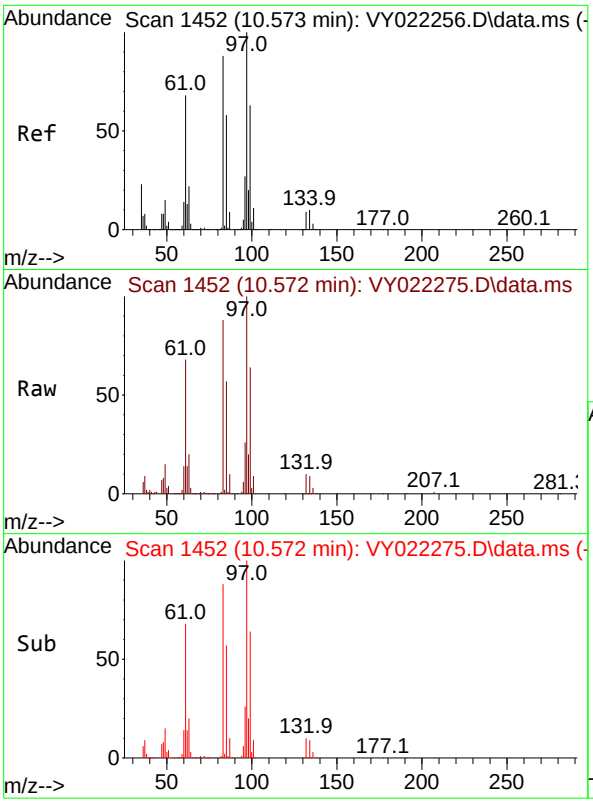


#54
cis-1,3-Dichloropropene
Concen: 47.851 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 184284

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.1	37.7
39	54.7	44.5	66.7

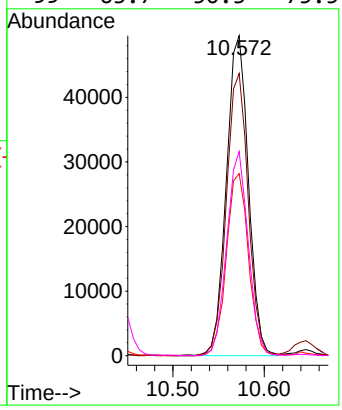




#55
1,1,2-Trichloroethane
Concen: 48.937 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 97 Resp: 8320

Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.3	105.5
85	56.9	46.2	69.4
99	63.7	50.3	75.5



Instrument :
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ClientSampleId :
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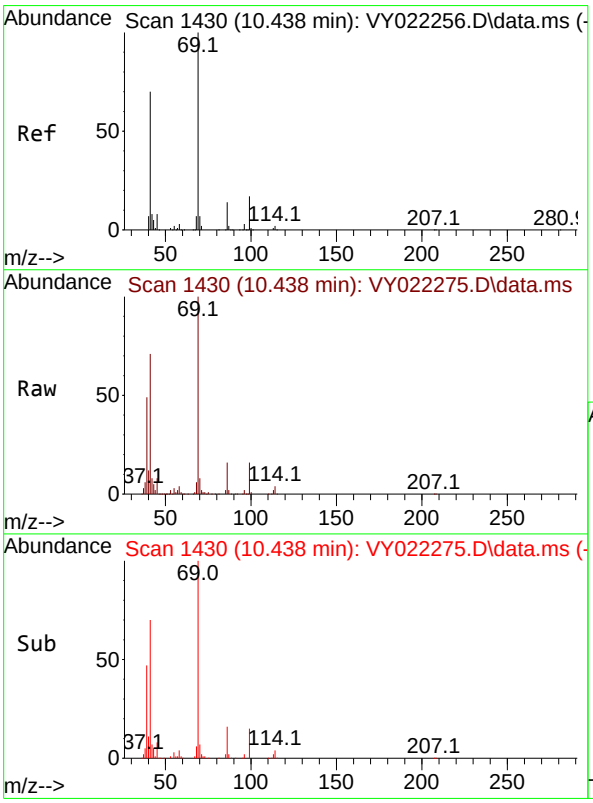
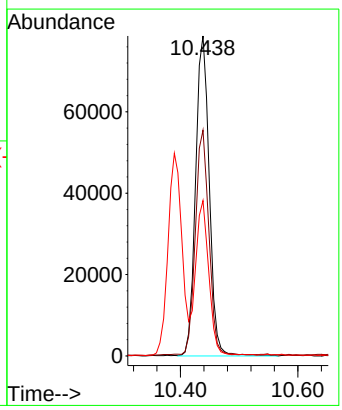
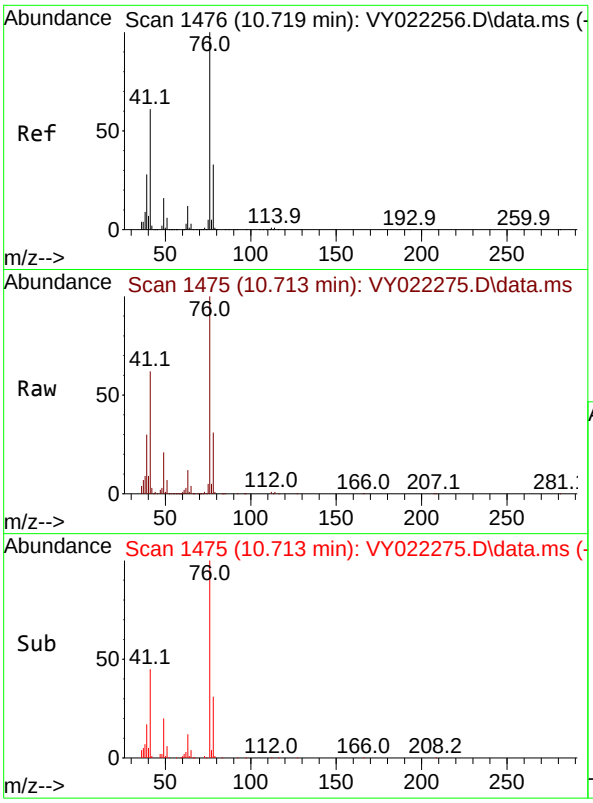


#56
Ethyl methacrylate
Concen: 47.866 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 69 Resp: 126764

Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.5	84.7
39	46.0	37.1	55.7

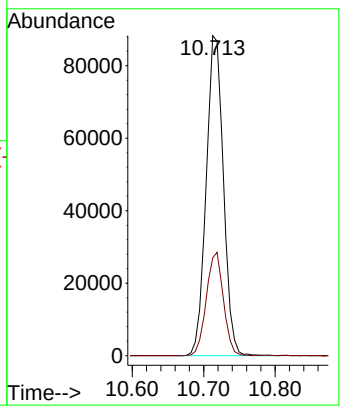




#57
1,3-Dichloropropane
Concen: 48.881 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 76 Resp: 14765

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8



Instrument :
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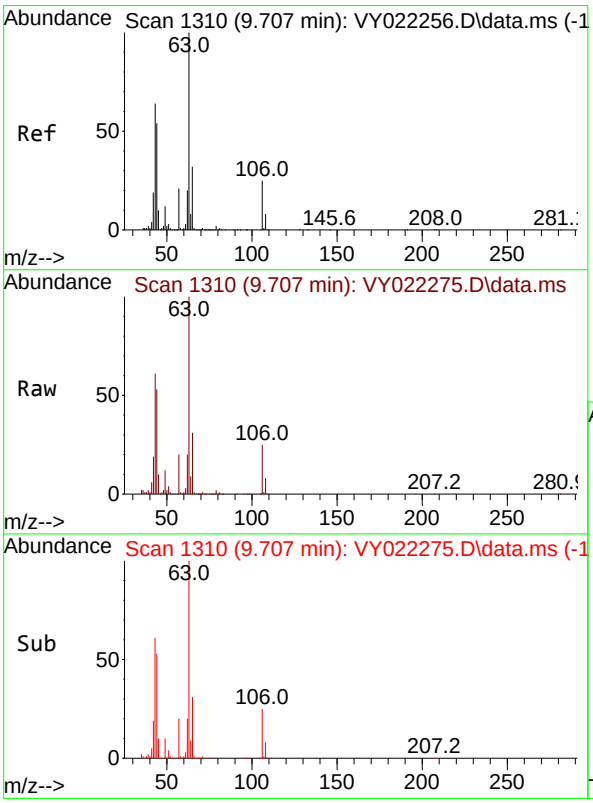
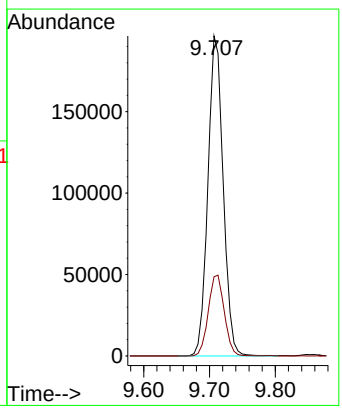
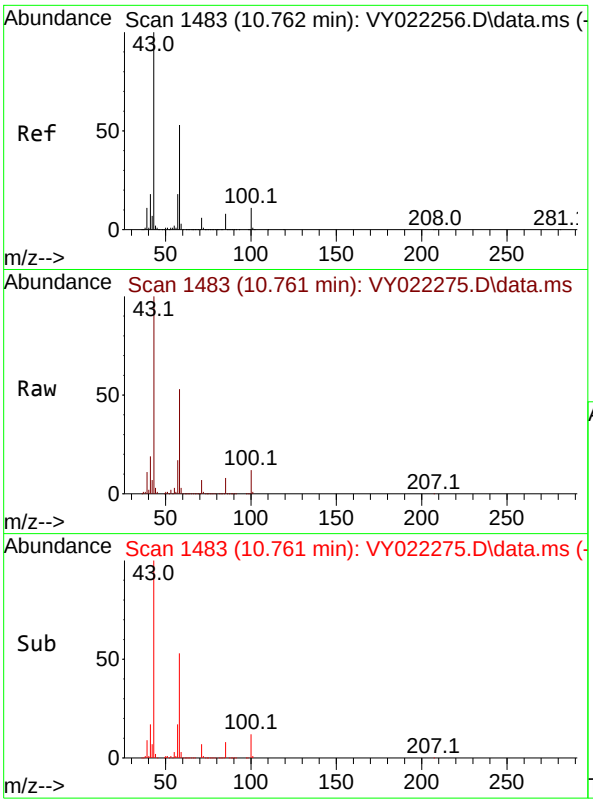


#58
2-Chloroethyl Vinyl ether
Concen: 267.180 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 63 Resp: 317597

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.4

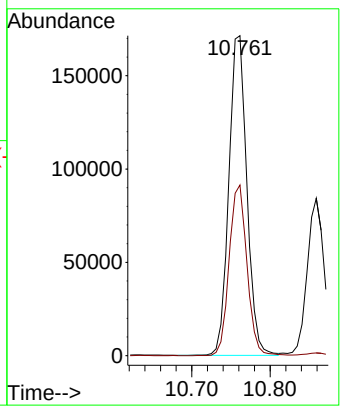




#59
2-Hexanone
Concen: 229.855 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 27329

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.3



Instrument :
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ClientSampleId :
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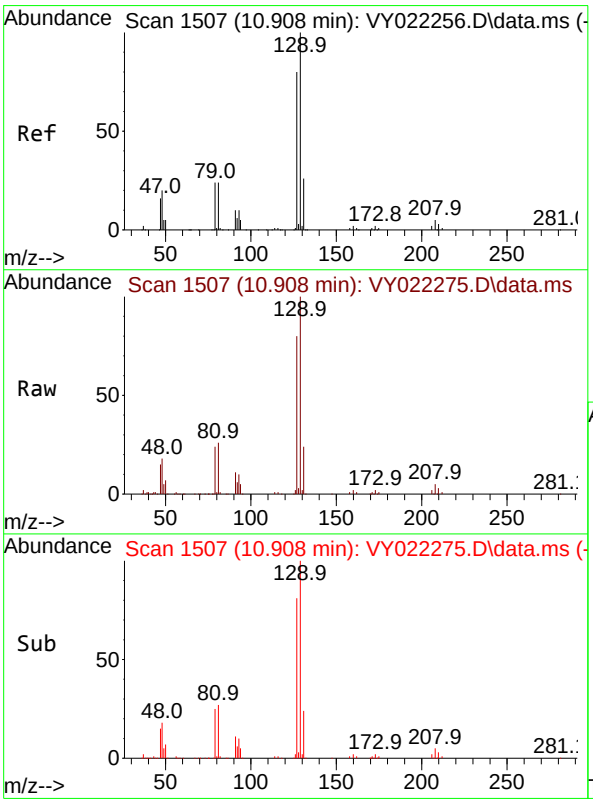
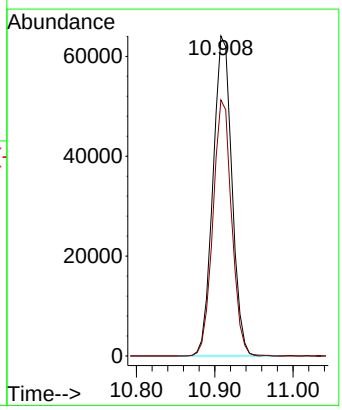
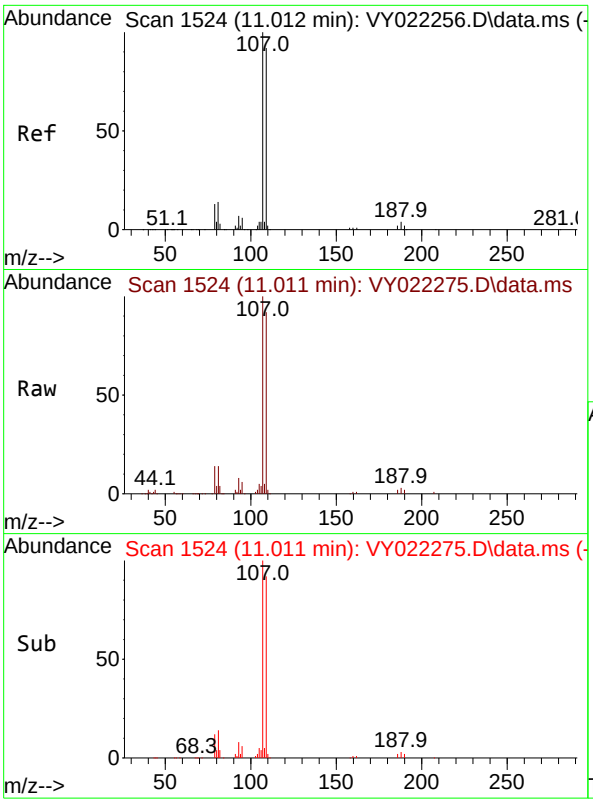


#60
Dibromochloromethane
Concen: 48.824 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:129 Resp: 107741

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.6	115.7

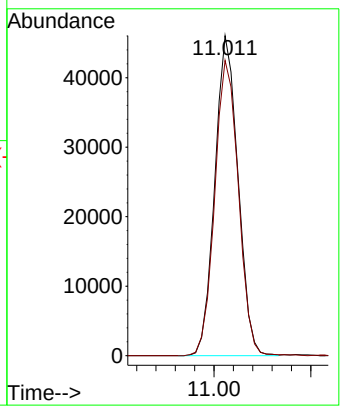




#61
1,2-Dibromoethane
Concen: 48.332 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:107 Resp: 7658

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
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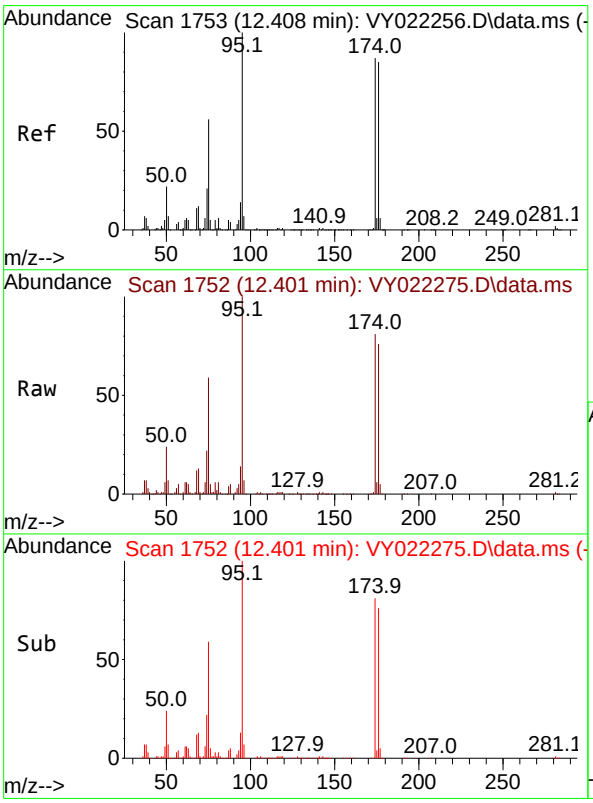
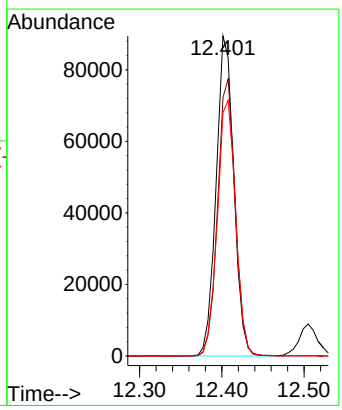
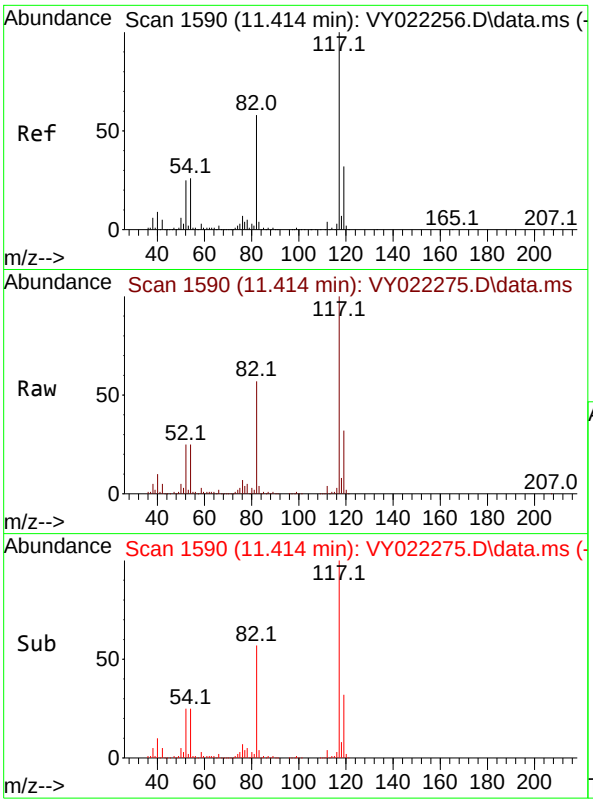


#62
4-Bromofluorobenzene
Concen: 49.259 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 95 Resp: 133714

Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	166.8
176	82.7	0.0	160.8

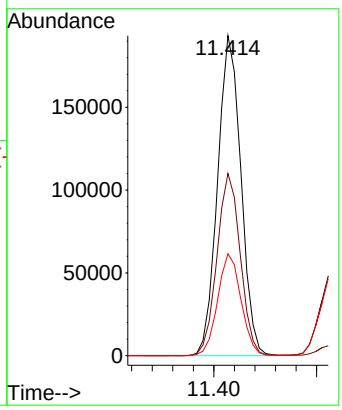




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:117 Resp: 30464

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.6	70.0
119	31.9	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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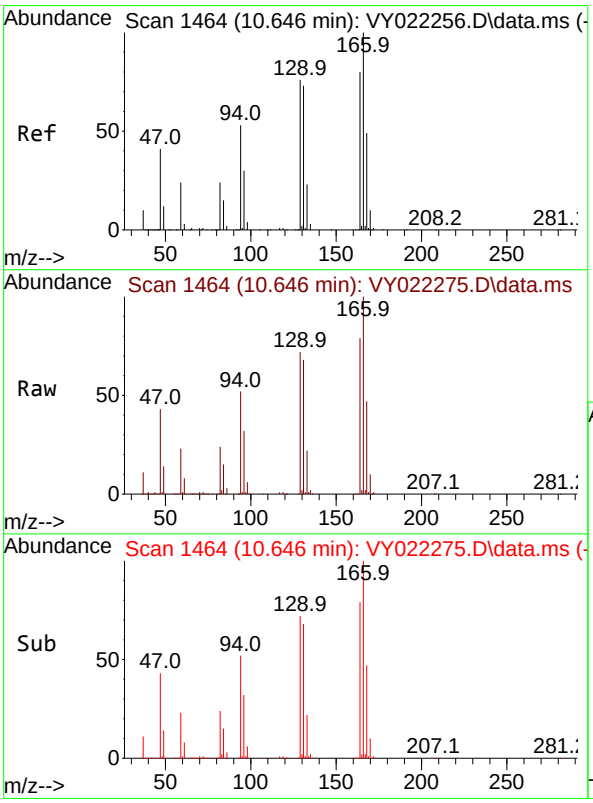
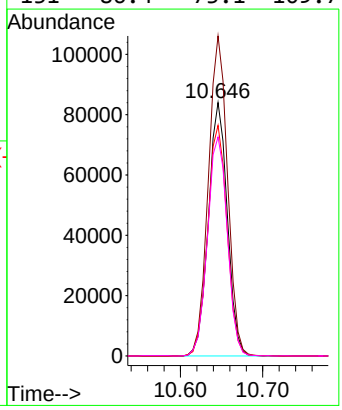
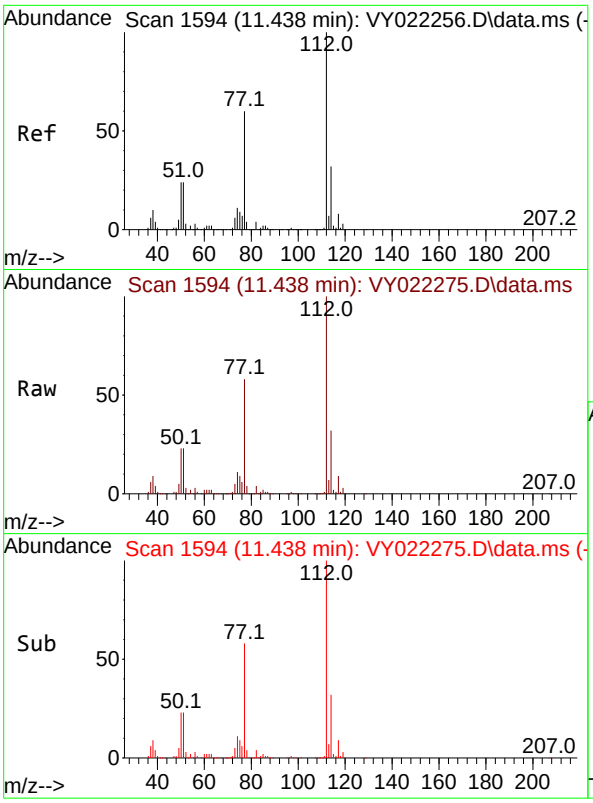


#64
Tetrachloroethene
Concen: 47.833 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:164 Resp: 134690

Ion	Ratio	Lower	Upper
164	100		
166	126.3	100.4	150.6
129	91.0	76.4	114.6
131	86.4	73.1	109.7

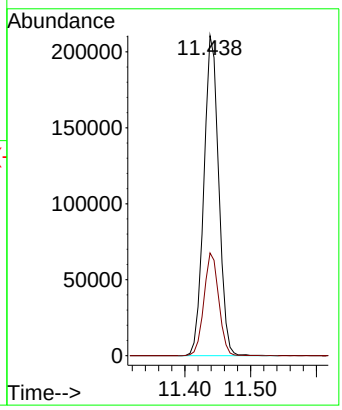




#65
Chlorobenzene
Concen: 48.128 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:112 Resp: 33078

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6



Instrument :
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ClientSampleId :
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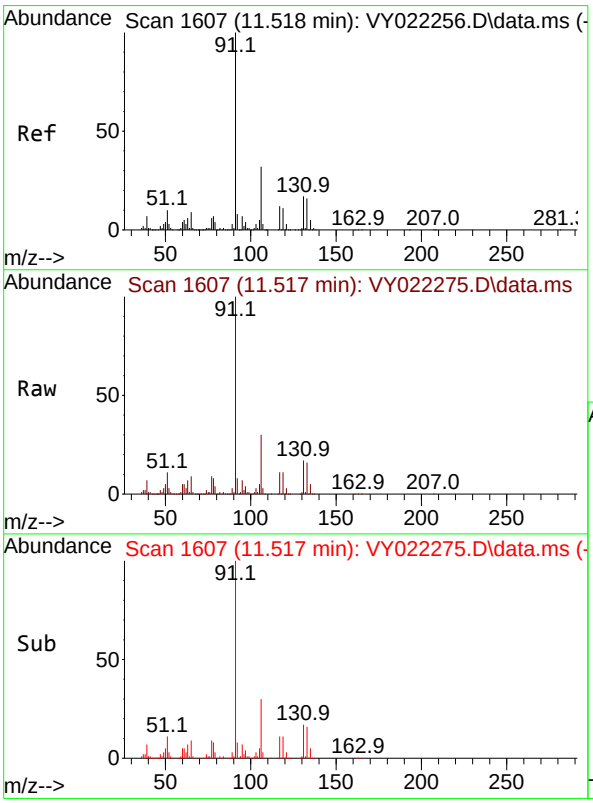
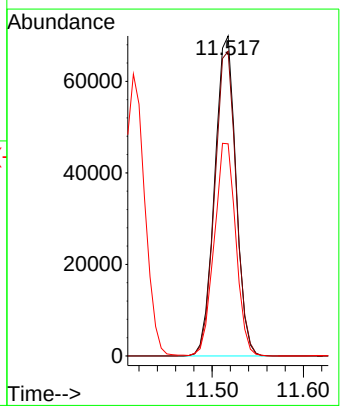
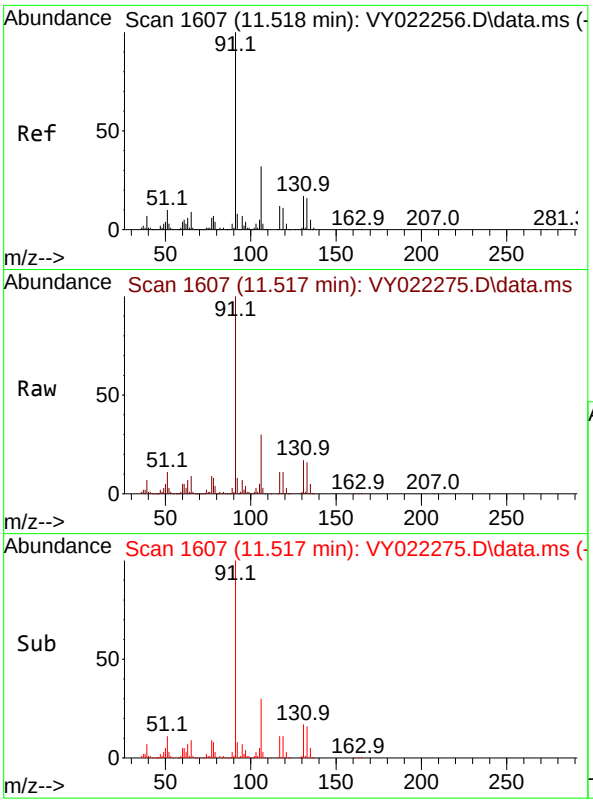


#66
1,1,1,2-Tetrachloroethane
Concen: 47.800 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:131 Resp: 112943

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.9
119	67.7	33.1	99.2

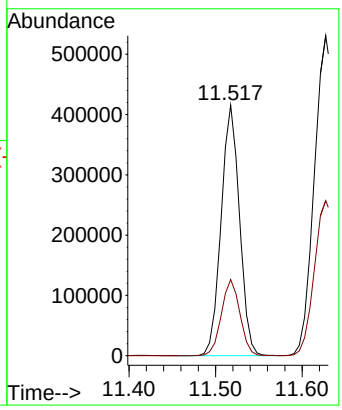




#67
Ethyl Benzene
Concen: 47.588 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 91 Resp: 61253

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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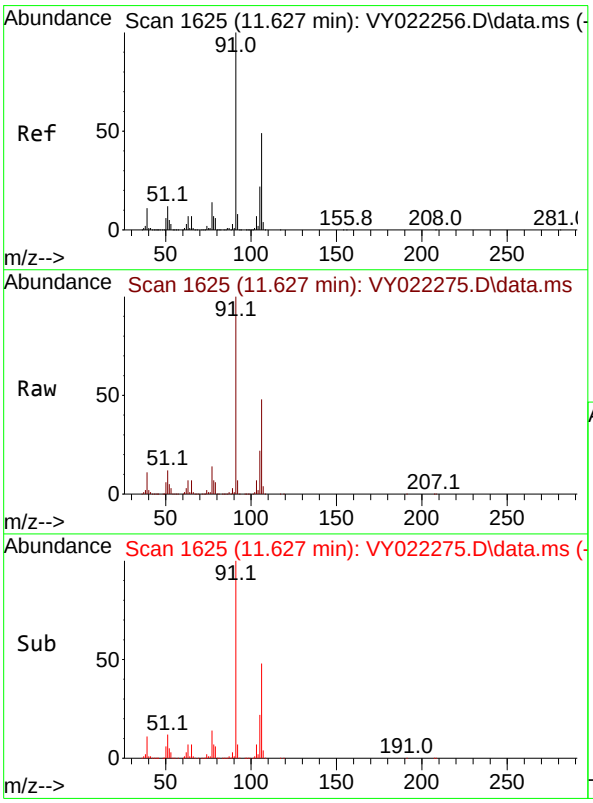
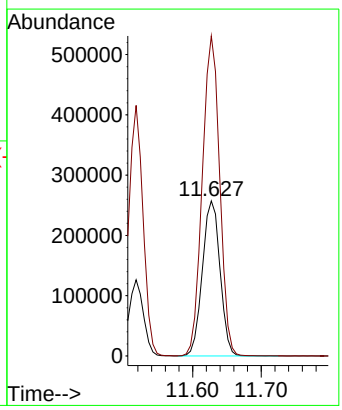
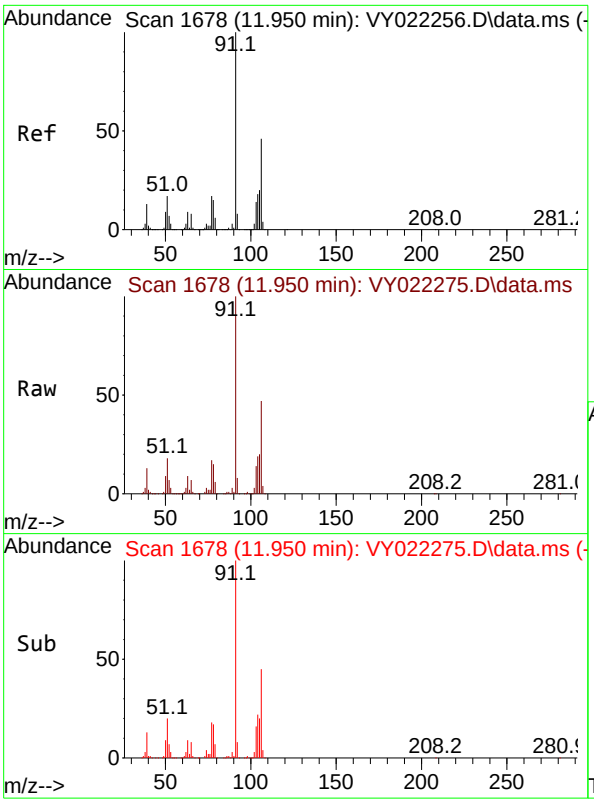


#68
m/p-Xylenes
Concen: 95.289 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:106 Resp: 462177

Ion	Ratio	Lower	Upper
106	100		
91	203.0	163.0	244.4

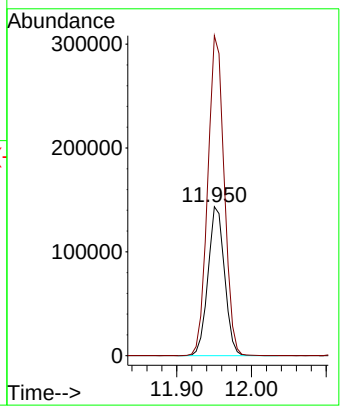




#69
o-Xylene
Concen: 48.022 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:106 Resp: 22037

Ion	Ratio	Lower	Upper
106	100		
91	213.6	108.3	324.8



Instrument :
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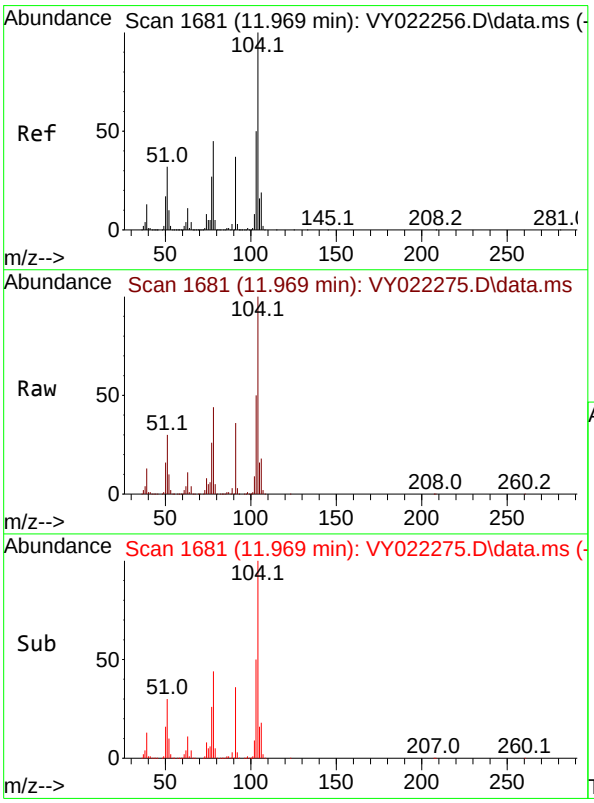
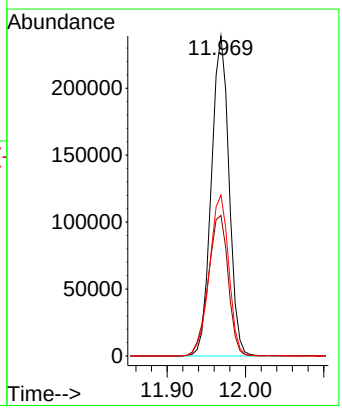
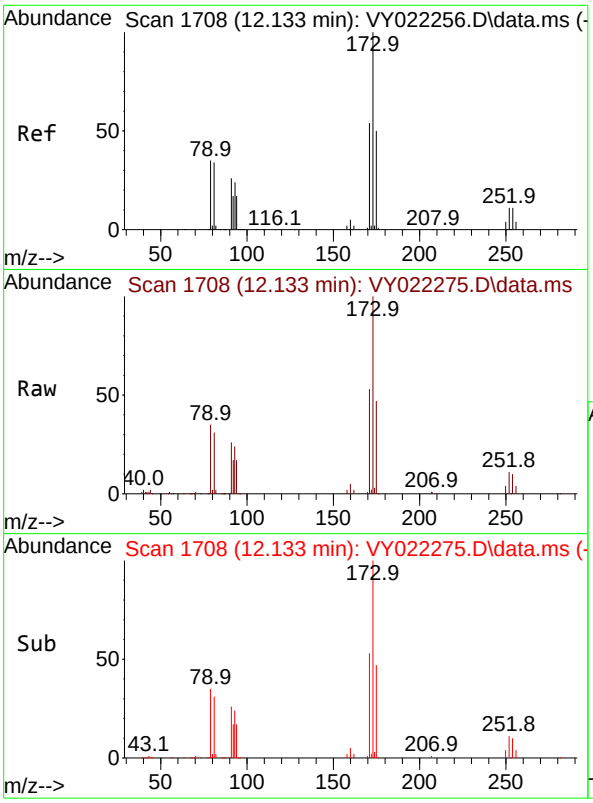


#70
Styrene
Concen: 48.433 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:104 Resp: 374912

Ion	Ratio	Lower	Upper
104	100		
78	49.7	40.9	61.3
103	54.9	43.7	65.5

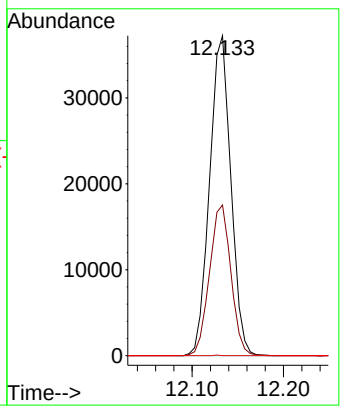




#71
Bromoform
Concen: 47.123 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:173 Resp: 6009

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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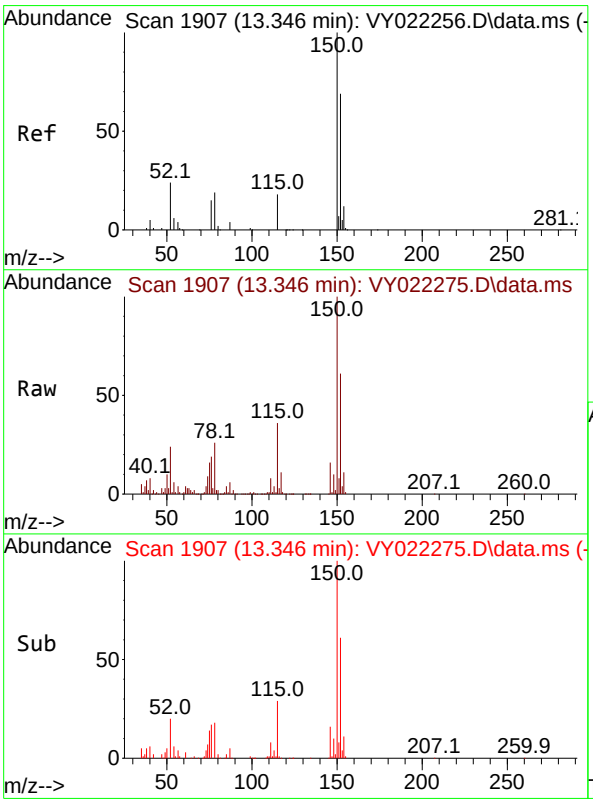
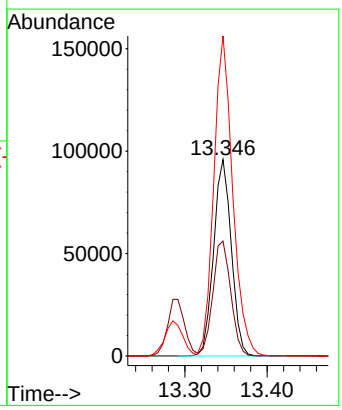
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

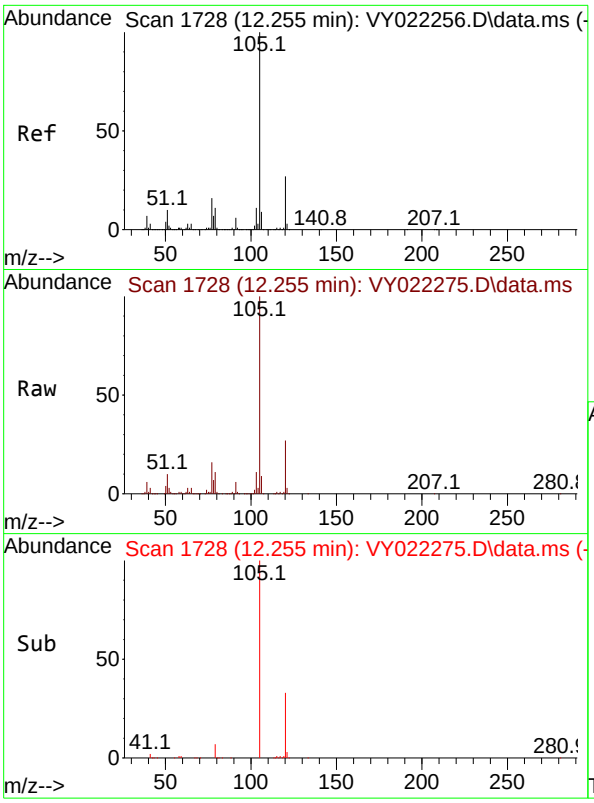


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:152 Resp: 143337

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.4	88.2
150	174.3	0.0	353.8

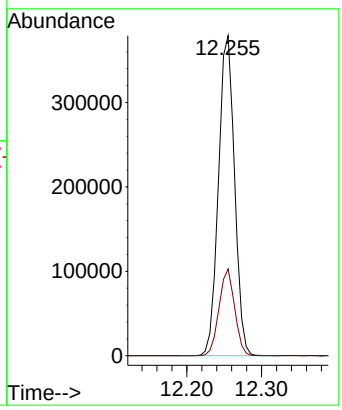




#73
Isopropylbenzene
Concen: 47.714 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:105 Resp: 56659

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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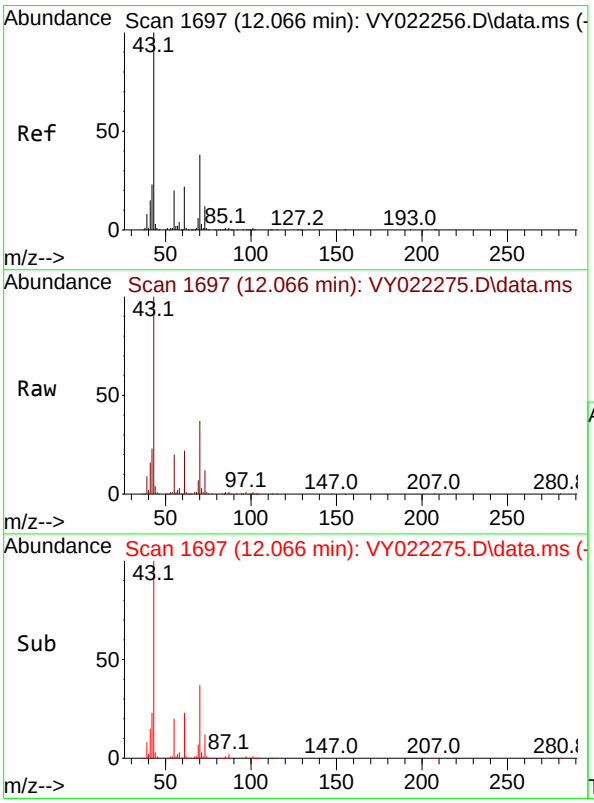
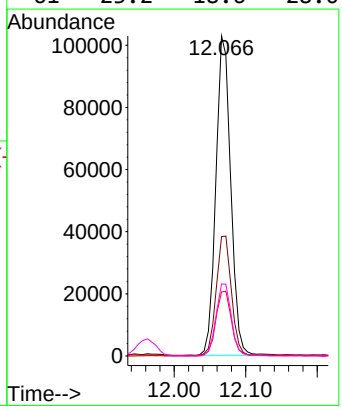
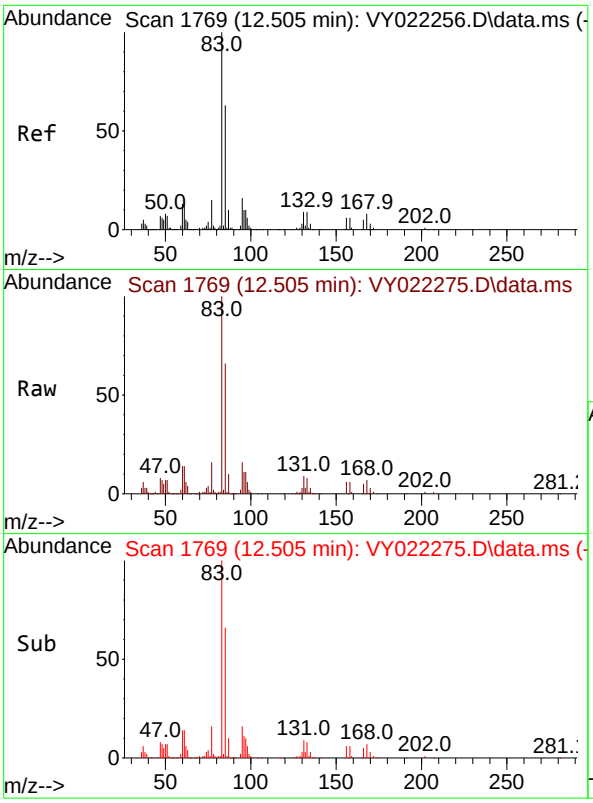


#74
N-amyl acetate
Concen: 43.719 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 148480

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.4	47.0
55	21.2	17.0	25.6
61	23.2	18.6	28.0

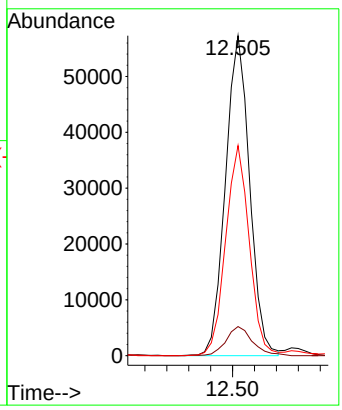




#75
1,1,2,2-Tetrachloroethane
Concen: 47.972 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 83 Resp: 8760

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.2	32.0	96.0



Instrument :
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ClientSampleId :
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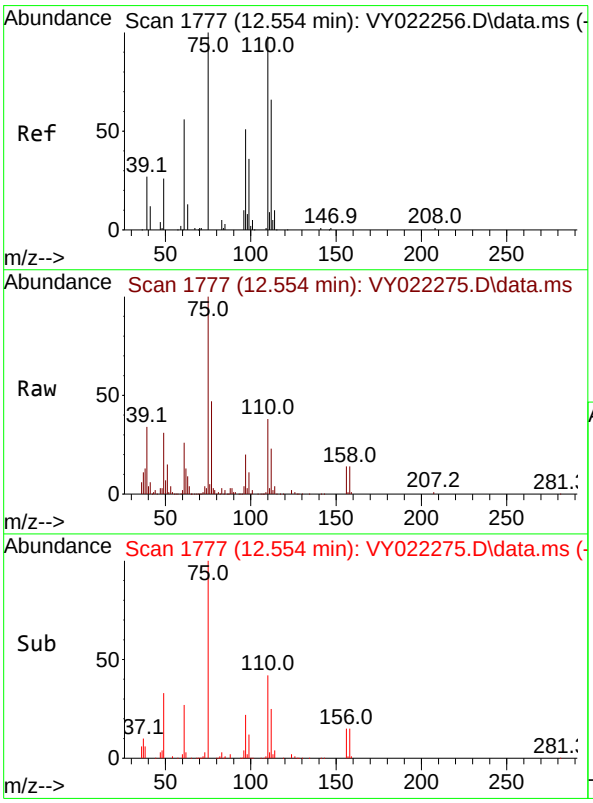
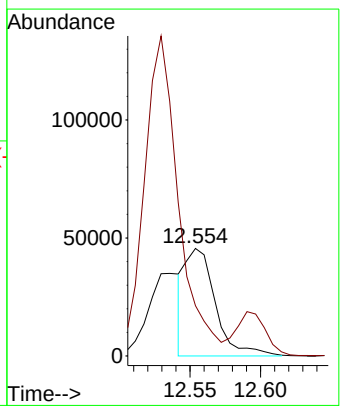
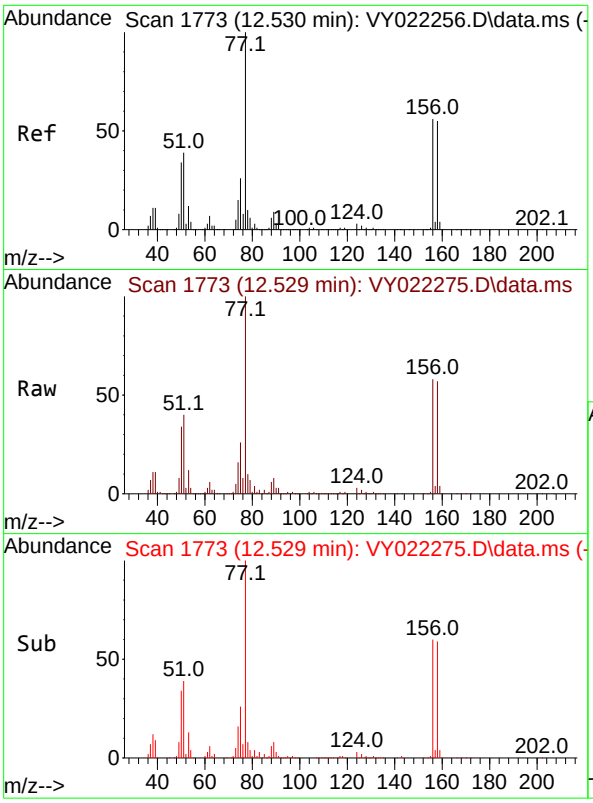


#76
1,2,3-Trichloropropane
Concen: 47.009 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 68265

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

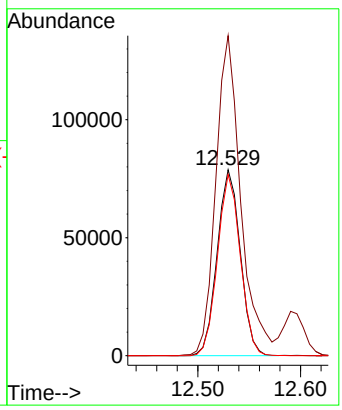




#77
Bromobenzene
Concen: 48.481 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:156 Resp: 12295

Ion	Ratio	Lower	Upper
156	100		
77	185.9	94.5	283.6
158	96.1	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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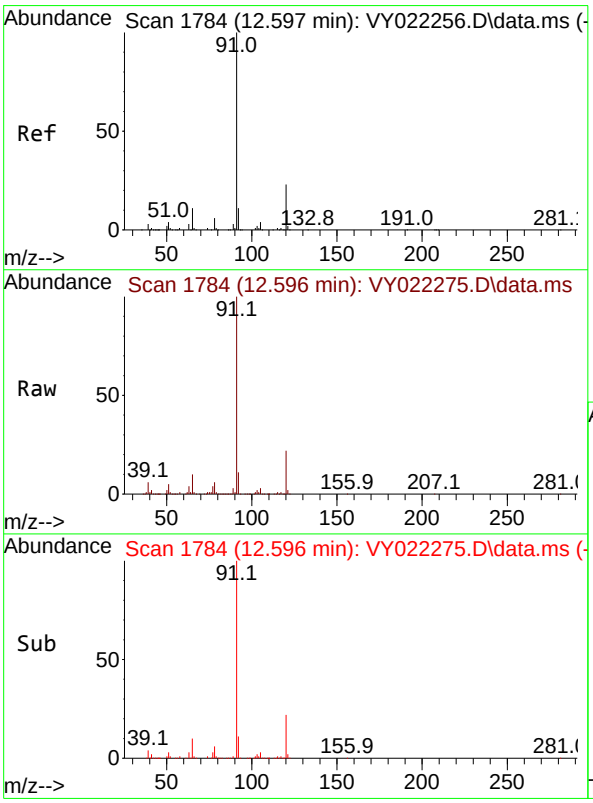
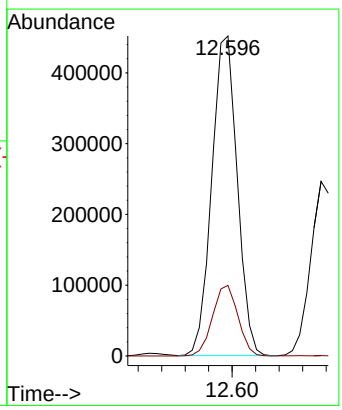
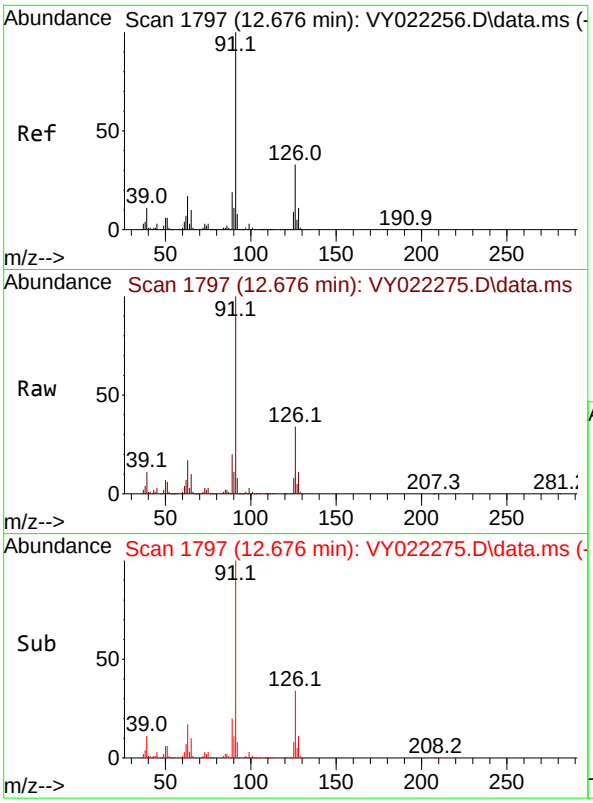


#78
n-propylbenzene
Concen: 47.543 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 91 Resp: 680966

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3

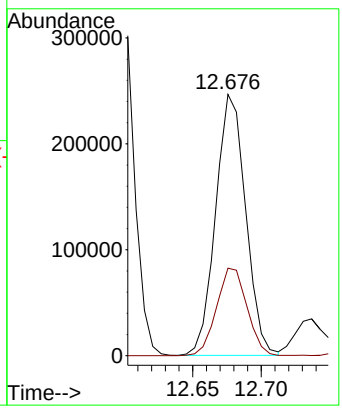




#79
2-Chlorotoluene
Concen: 47.755 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 91 Resp: 37588

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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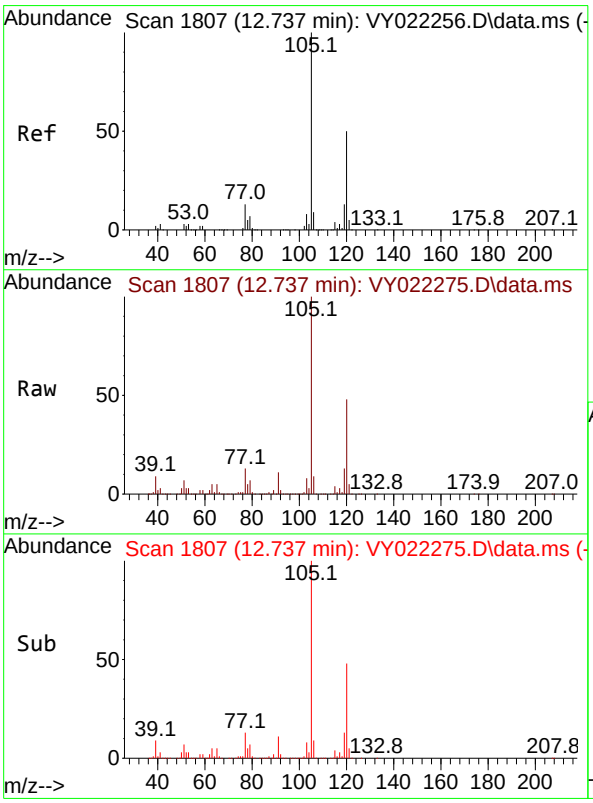
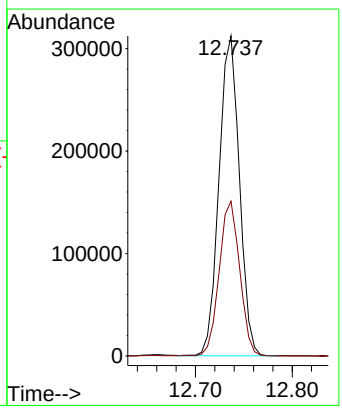
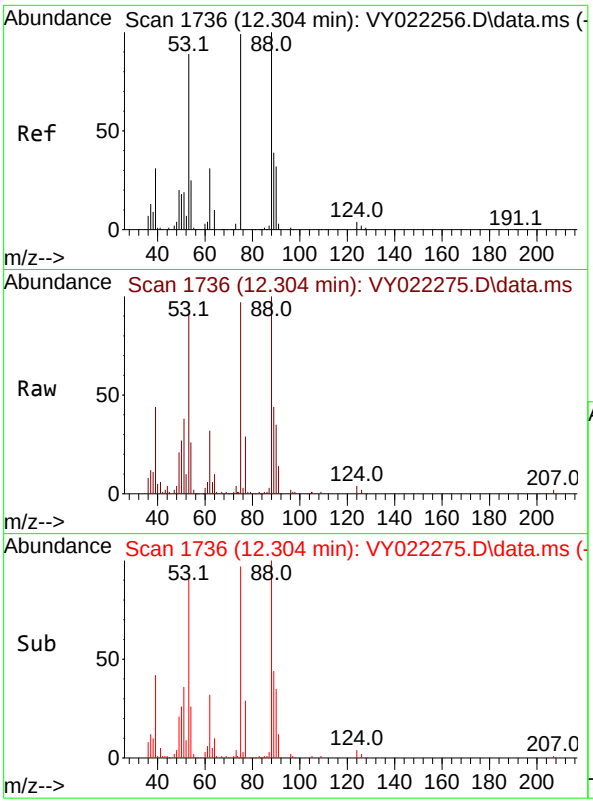


#80
1,3,5-Trimethylbenzene
Concen: 47.548 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:105 Resp: 455782

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 42.006 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 3011

Ion	Ratio	Lower	Upper
75	100		
53	96.6	75.8	113.8
89	45.8	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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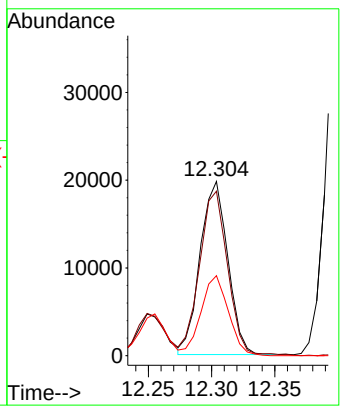
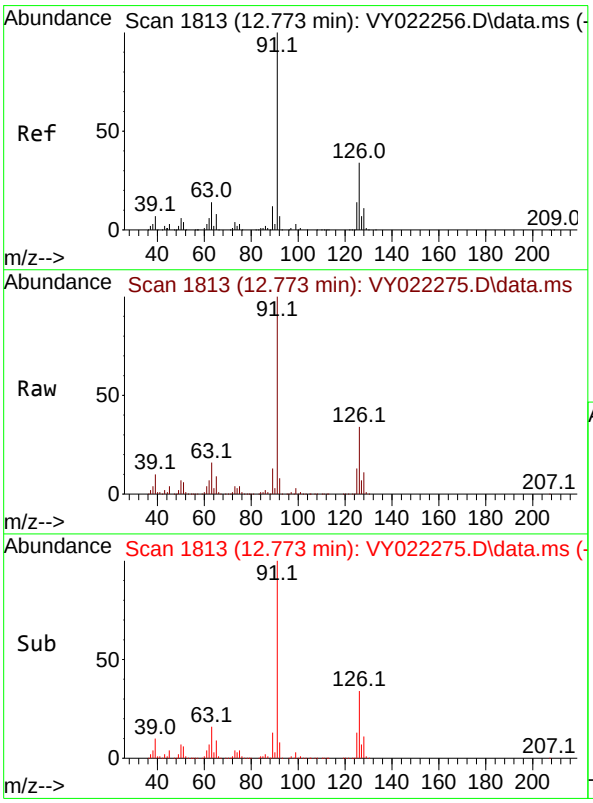
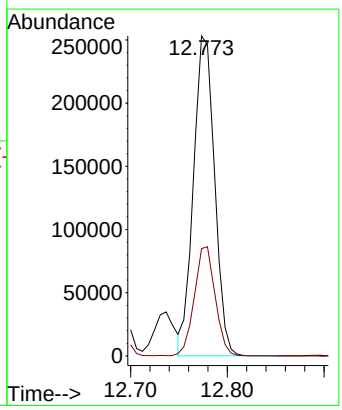


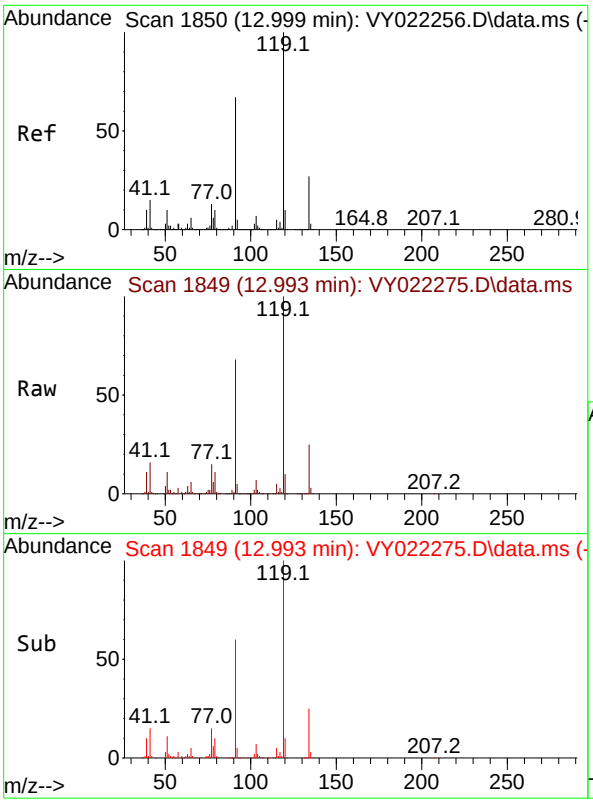


#82
4-Chlorotoluene
Concen: 47.537 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 91 Resp: 384865

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4

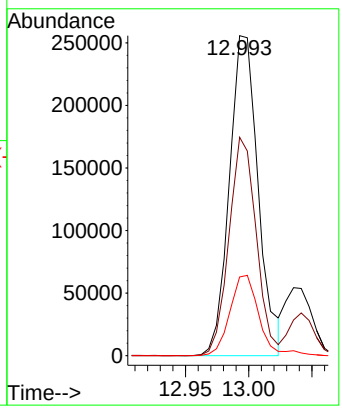




#83
tert-Butylbenzene
Concen: 47.735 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:119 Resp: 40670

Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.8	98.3
134	25.4	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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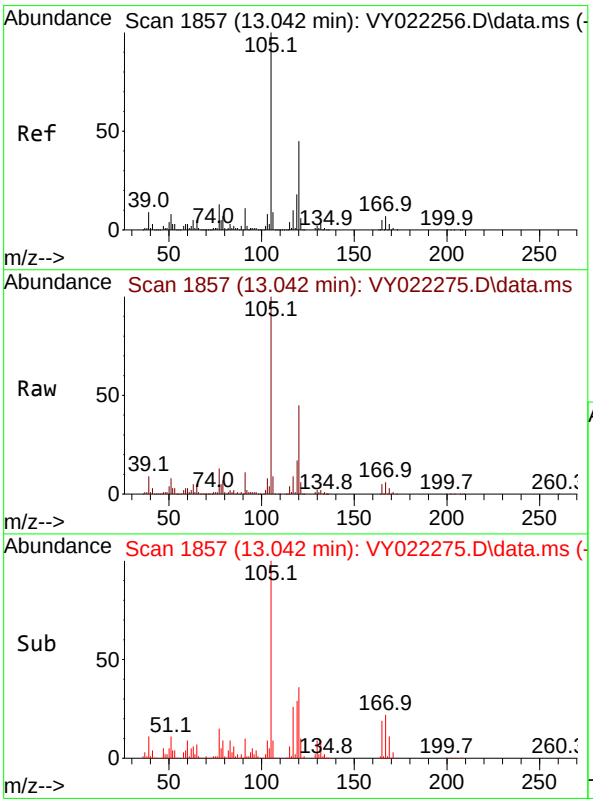
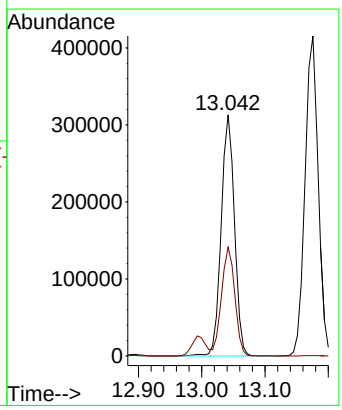
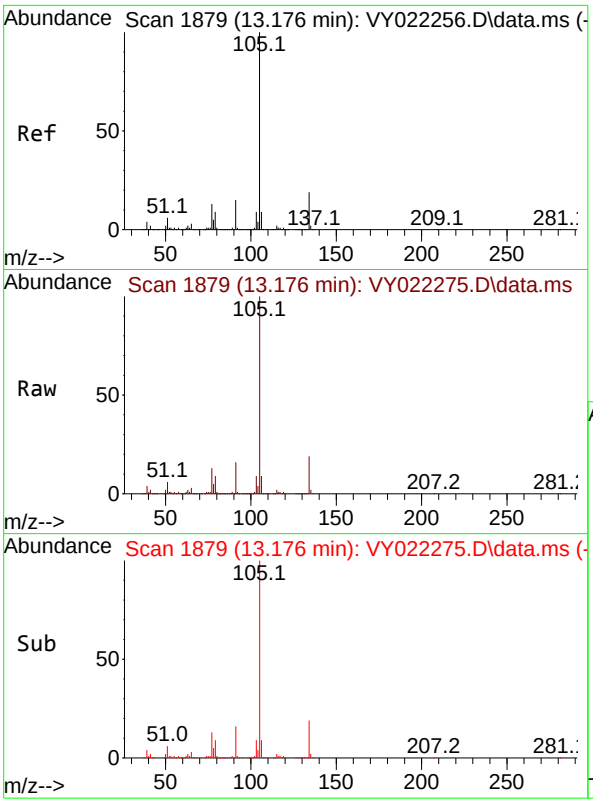


#84
1,2,4-Trimethylbenzene
Concen: 47.773 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:105 Resp: 454585

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.9





#85
sec-Butylbenzene
Concen: 47.404 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:105 Resp: 59953

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
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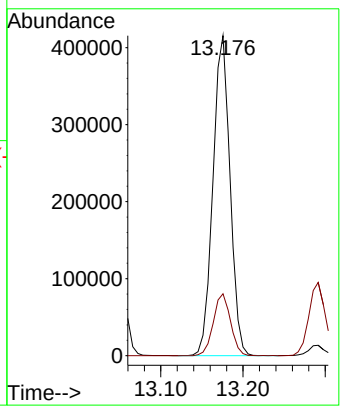
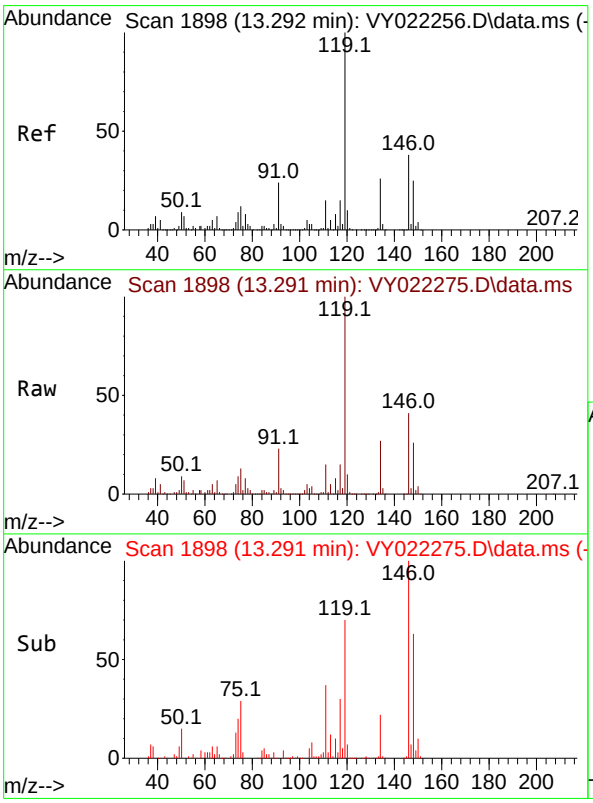
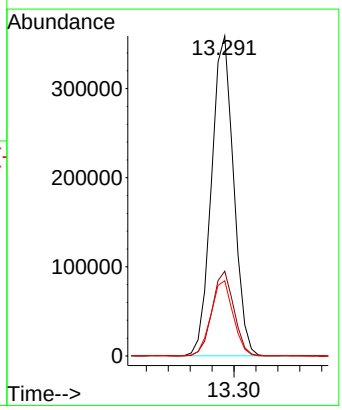


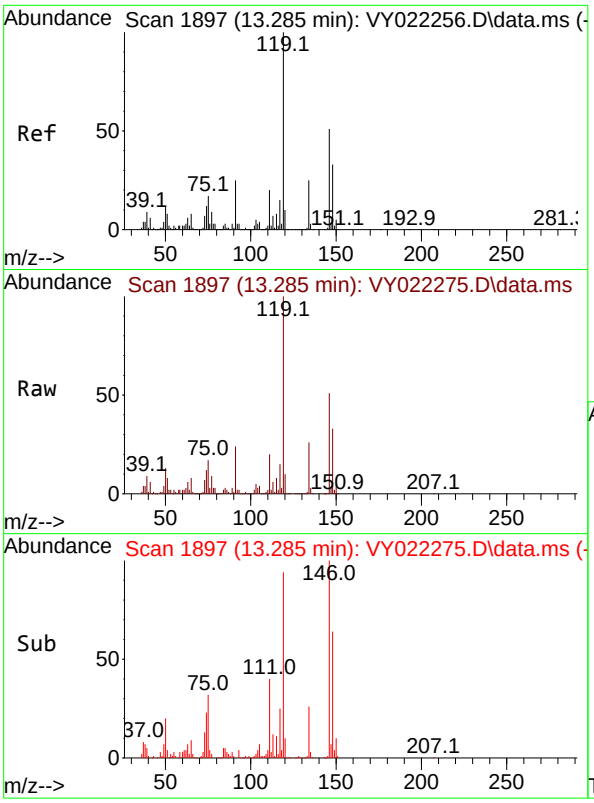


#86
p-Isopropyltoluene
Concen: 47.362 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:119 Resp: 503789

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	23.6	12.1	36.3

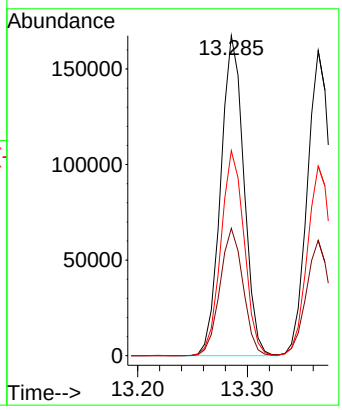




#87
1,3-Dichlorobenzene
Concen: 47.502 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:146 Resp: 24593

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	64.4	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
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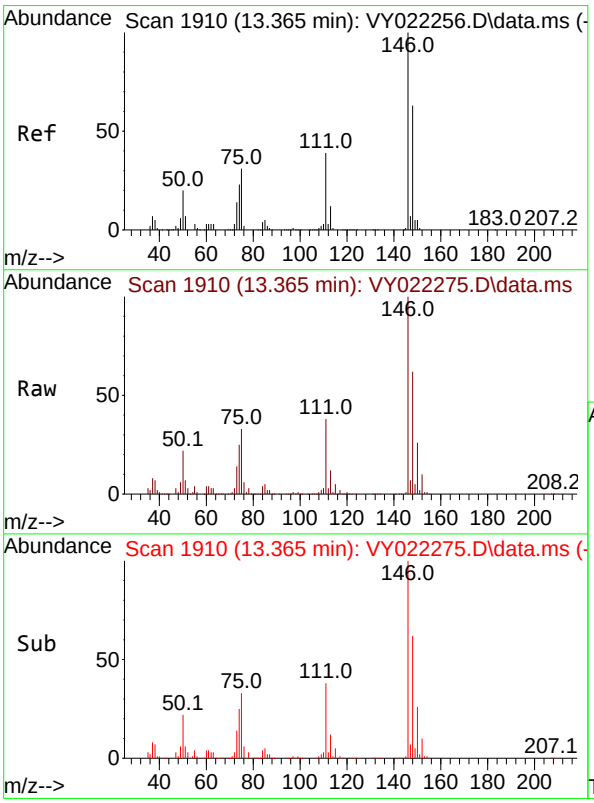
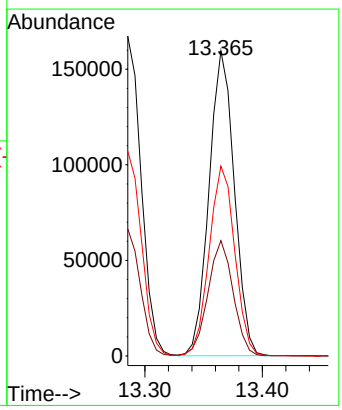
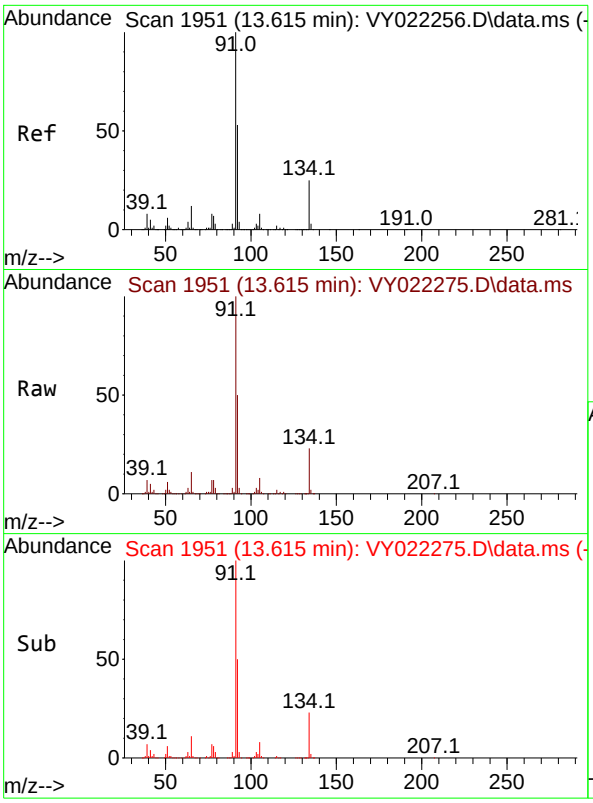


#88
1,4-Dichlorobenzene
Concen: 47.980 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:146 Resp: 238952

Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.0	59.9
148	63.2	32.1	96.5

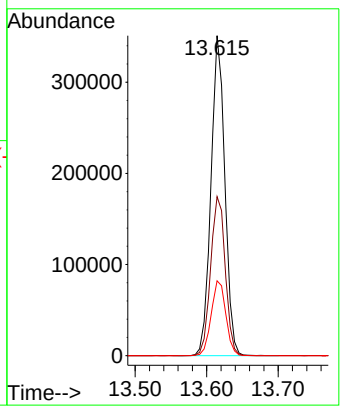




#89
n-Butylbenzene
Concen: 47.071 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 91 Resp: 47367

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	24.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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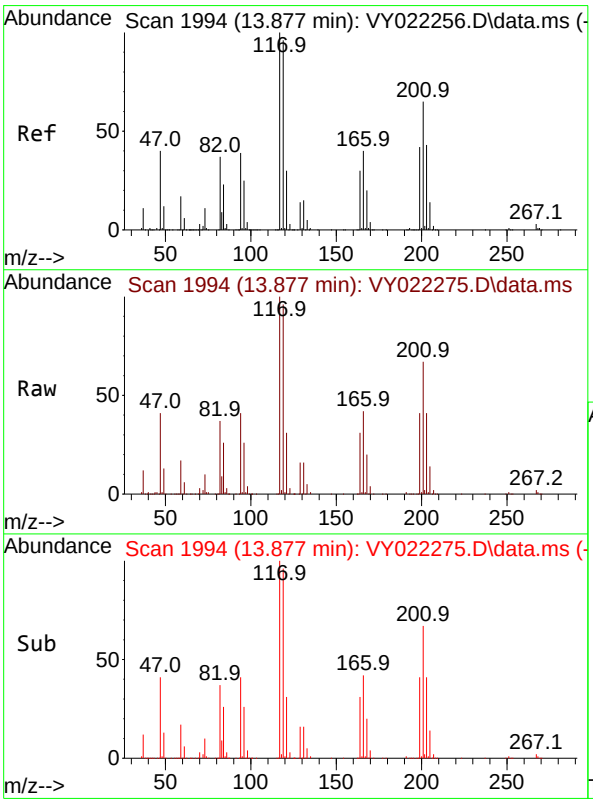
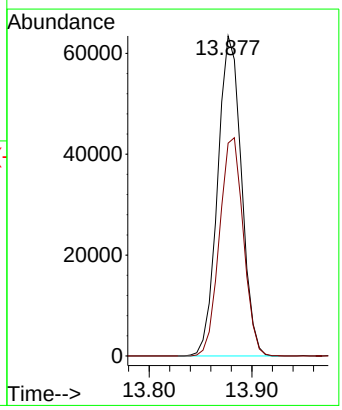
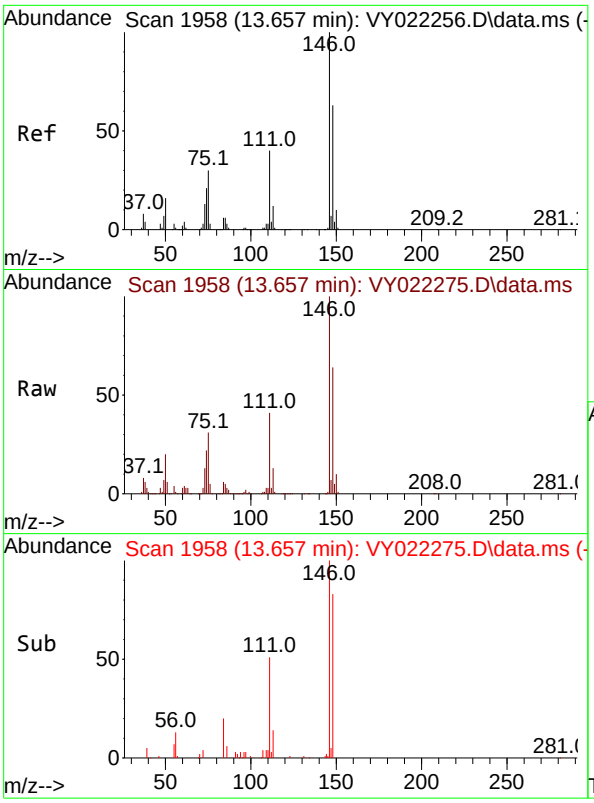


#90
Hexachloroethane
Concen: 47.405 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:117 Resp: 101787

Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6

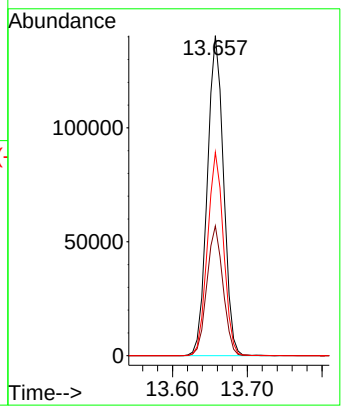




#91
1,2-Dichlorobenzene
Concen: 48.631 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:146 Resp: 21149

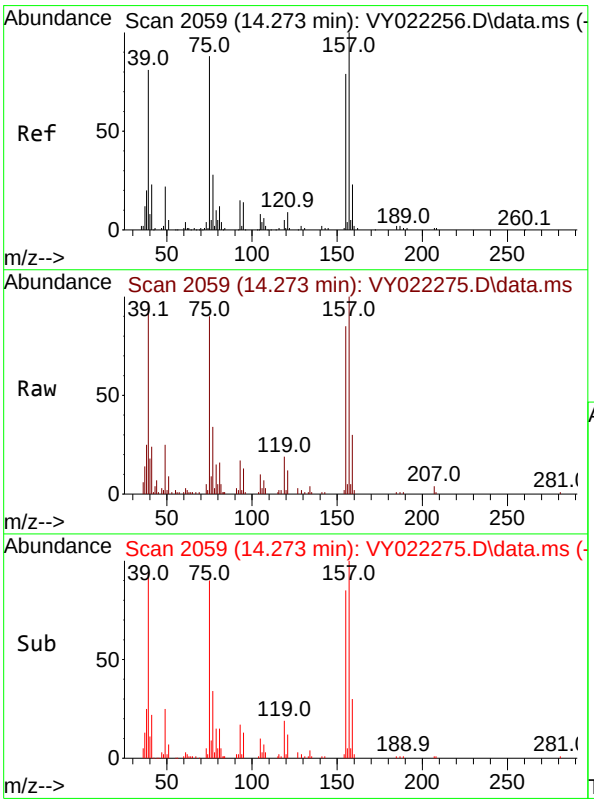
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	62.9	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

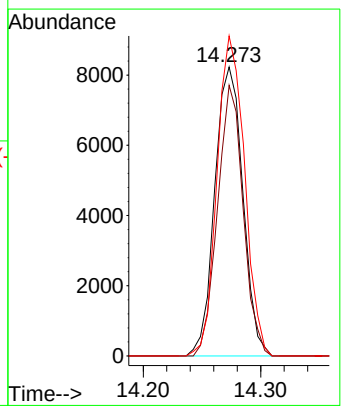
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

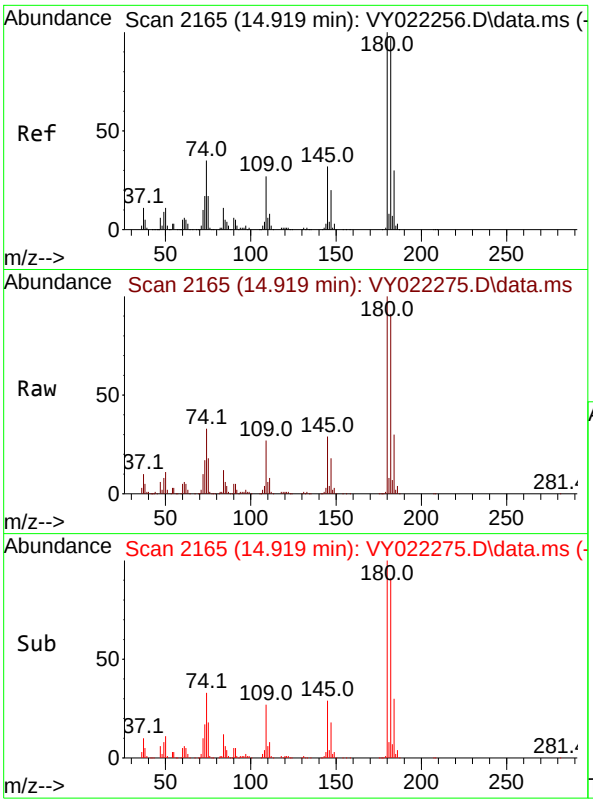


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.464 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 13683

Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.4	130.1
157	108.3	54.6	163.9

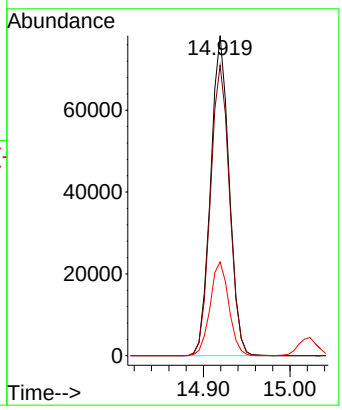




#93
1,2,4-Trichlorobenzene
Concen: 46.231 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:180 Resp: 11613

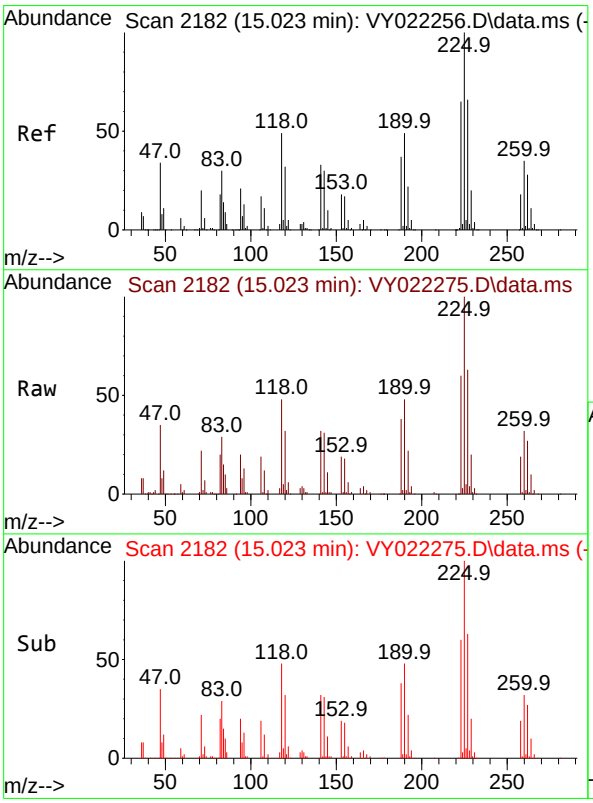
Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.0
145	29.6	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

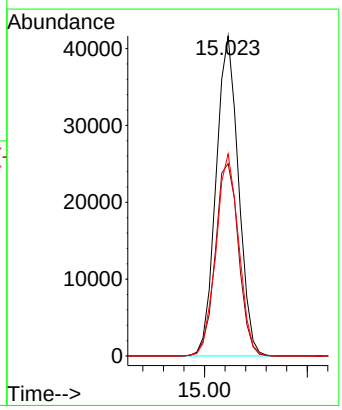
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

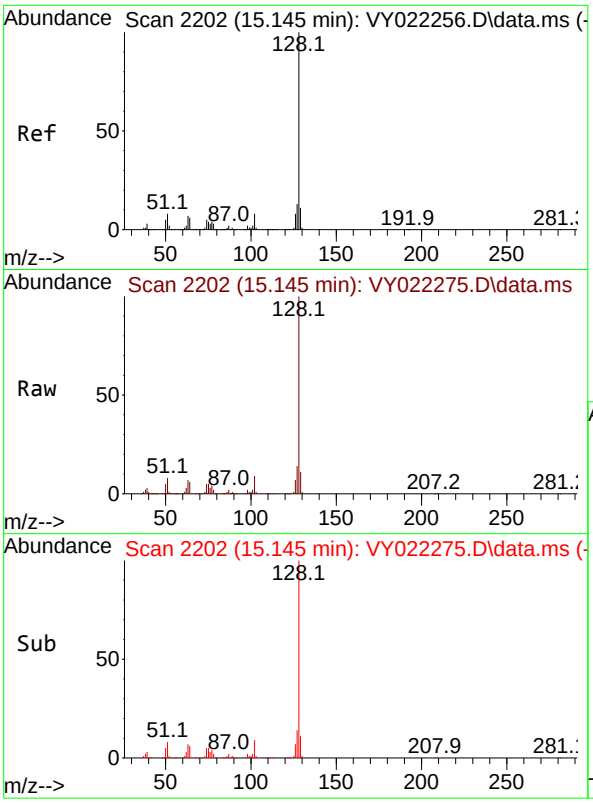


#94
Hexachlorobutadiene
Concen: 44.930 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:225 Resp: 62944

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	63.8	32.1	96.3

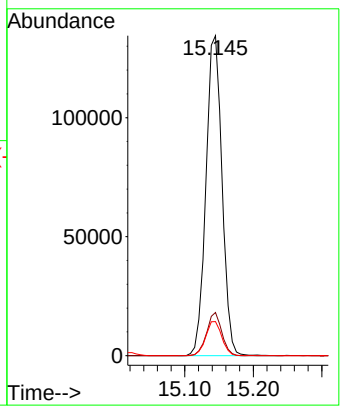




#95
Naphthalene
Concen: 46.015 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:128 Resp: 21936

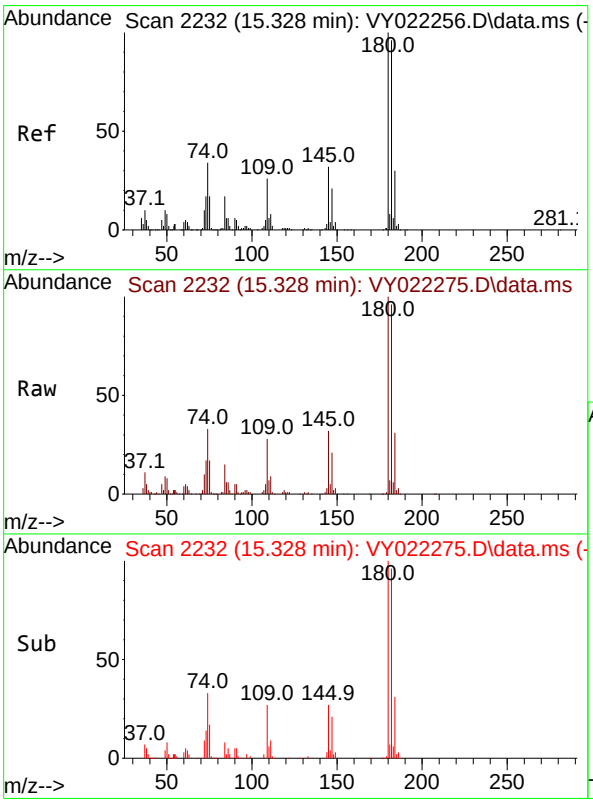
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

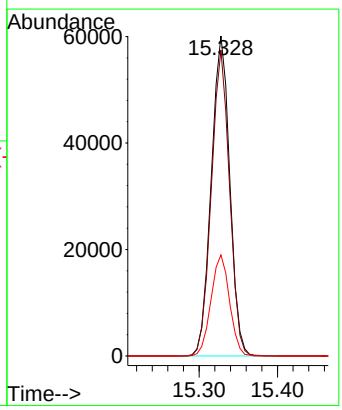
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 46.274 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:180 Resp: 98613

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.3
145	31.6	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	0.522	0.476	8.8	70	0.00
3	P	Chloromethane	1.097	1.000	8.8	72	0.00
4	C	Vinyl Chloride	1.226	1.290	-5.2#	80	0.00
5	T	Bromomethane	0.998	0.984	1.4	84	0.00
6	T	Chloroethane	0.763	0.882	-15.6	87	0.00
7	T	Trichlorofluoromethane	1.241	1.253	-1.0	77	0.00
8	T	Diethyl Ether	0.298	0.302	-1.3	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.521	3.3	72	0.00
10	T	Methyl Iodide	0.624	0.658	-5.4	72	0.00
11	T	Tert butyl alcohol	0.042	0.041	2.4	79	0.00
12	CM	1,1-Dichloroethene	0.535	0.527	1.5#	73	0.00
13	T	Acrolein	0.061	0.048	21.3	64	0.00
14	T	Allyl chloride	0.938	0.908	3.2	71	0.00
15	T	Acrylonitrile	0.123	0.126	-2.4	79	0.00
16	T	Acetone	0.102	0.093	8.8	75	0.00
17	T	Carbon Disulfide	1.744	1.745	-0.1	74	0.00
18	T	Methyl Acetate	0.323	0.425	-31.6#	105	0.00
19	T	Methyl tert-butyl Ether	1.475	1.518	-2.9	78	0.00
20	T	Methylene Chloride	0.662	0.639	3.5	80	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.604	-2.4	76	0.00
22	T	Diisopropyl ether	1.980	2.000	-1.0	75	0.00
23	T	Vinyl Acetate	1.196	1.086	9.2	69	0.00
24	P	1,1-Dichloroethane	1.106	1.134	-2.5	76	0.00
25	T	2-Butanone	0.171	0.164	4.1	76	0.00
26	T	2,2-Dichloropropane	0.984	0.898	8.7	68	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.708	-4.0	77	0.00
28	T	Bromochloromethane	0.472	0.507	-7.4	80	0.00
29	T	Tetrahydrofuran	0.110	0.111	-0.9	78	0.00
30	C	Chloroform	1.061	1.121	-5.7#	78	0.00
31	T	Cyclohexane	1.105	0.999	9.6	71	0.00
32	T	1,1,1-Trichloroethane	0.974	0.972	0.2	75	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.589	-7.9	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
35	S	Dibromofluoromethane	0.298	0.314	-5.4	83	0.00
36	T	1,1-Dichloropropene	0.492	0.456	7.3	72	0.00
37	T	Ethyl Acetate	0.237	0.215	9.3	73	0.00
38	T	Carbon Tetrachloride	0.509	0.475	6.7	73	0.00
39	T	Methylcyclohexane	0.660	0.602	8.8	72	0.00
40	TM	Benzene	1.457	1.437	1.4	76	0.00
41	T	Methacrylonitrile	0.157	0.136	13.4	68	0.00
42	TM	1,2-Dichloroethane	0.394	0.384	2.5	76	0.00
43	T	Isopropyl Acetate	0.516	0.474	8.1	74	0.00
44	TM	Trichloroethene	0.362	0.353	2.5	76	0.00
45	C	1,2-Dichloropropane	0.351	0.343	2.3#	77	0.00
46	T	Dibromomethane	0.189	0.183	3.2	77	0.00
47	T	Bromodichloromethane	0.492	0.491	0.2	77	0.00
48	T	Methyl methacrylate	0.241	0.230	4.6	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	81	0.00
50	S	Toluene-d8	1.222	1.262	-3.3	82	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.238	5.9	75	0.00
52	CM	Toluene	0.923	0.901	2.4#	76	0.00
53	T	t-1,3-Dichloropropene	0.480	0.453	5.6	74	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.526	4.4	75	0.00
55	T	1,1,2-Trichloroethane	0.243	0.237	2.5	78	0.00
56	T	Ethyl methacrylate	0.378	0.362	4.2	76	0.00
57	T	1,3-Dichloropropane	0.431	0.421	2.3	77	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.181	-6.5	79	0.00
59	T	2-Hexanone	0.170	0.156	8.2	75	0.00
60	T	Dibromochloromethane	0.315	0.308	2.2	76	0.00
61	T	1,2-Dibromoethane	0.226	0.219	3.1	77	0.00
62	S	4-Bromofluorobenzene	0.387	0.382	1.3	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
64	T	Tetrachloroethene	0.462	0.442	4.3	75	0.00
65	PM	Chlorobenzene	1.128	1.086	3.7	76	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.371	4.4	76	0.00
67	C	Ethyl Benzene	2.113	2.011	4.8#	75	0.00
68	T	m/p-Xylenes	0.796	0.759	4.6	75	0.00
69	T	o-Xylene	0.753	0.723	4.0	76	0.00
70	T	Styrene	1.270	1.231	3.1	76	0.00
71	P	Bromoform	0.209	0.197	5.7	76	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
73	T	Isopropylbenzene	4.142	3.953	4.6	75	0.00
74	T	N-amyl acetate	1.185	1.036	12.6	71	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.611	4.1	77	0.00
76	T	1,2,3-Trichloropropane	0.507	0.476	6.1	76	0.00
77	T	Bromobenzene	0.885	0.858	3.1	76	0.00
78	T	n-propylbenzene	4.996	4.751	4.9	74	0.00
79	T	2-Chlorotoluene	2.746	2.622	4.5	74	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.180	4.9	74	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.210	16.0	71	0.00
82	T	4-Chlorotoluene	2.824	2.685	4.9	73	0.00
83	T	tert-Butylbenzene	2.972	2.837	4.5	74	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.171	4.5	74	0.00
85	T	sec-Butylbenzene	4.412	4.183	5.2	73	0.00
86	T	p-Isopropyltoluene	3.710	3.515	5.3	73	0.00
87	T	1,3-Dichlorobenzene	1.806	1.716	5.0	74	0.00
88	T	1,4-Dichlorobenzene	1.737	1.667	4.0	76	0.00
89	T	n-Butylbenzene	3.510	3.305	5.8	72	0.00
90	T	Hexachloroethane	0.749	0.710	5.2	74	0.00
91	T	1,2-Dichlorobenzene	1.517	1.476	2.7	76	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.095	7.8	76	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.810	7.5	72	0.00
94	T	Hexachlorobutadiene	0.489	0.439	10.2	70	0.00
95	T	Naphthalene	1.663	1.530	8.0	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.688	7.4	73	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	50.000	45.582	8.8	70	0.00
3	P	Chloromethane	50.000	45.571	8.9	72	0.00
4	C	Vinyl Chloride	50.000	52.613	-5.2#	80	0.00
5	T	Bromomethane	50.000	49.312	1.4	84	0.00
6	T	Chloroethane	50.000	57.798	-15.6	87	0.00
7	T	Trichlorofluoromethane	50.000	50.476	-1.0	77	0.00
8	T	Diethyl Ether	50.000	50.717	-1.4	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.320	3.4	72	0.00
10	T	Methyl Iodide	50.000	52.738	-5.5	72	0.00
11	T	Tert butyl alcohol	250.000	243.003	2.8	79	0.00
12	CM	1,1-Dichloroethene	50.000	49.308	1.4#	73	0.00
13	T	Acrolein	250.000	197.507	21.0	64	0.00
14	T	Allyl chloride	50.000	48.423	3.2	71	0.00
15	T	Acrylonitrile	250.000	256.397	-2.6	79	0.00
16	T	Acetone	250.000	226.053	9.6	75	0.00
17	T	Carbon Disulfide	50.000	50.021	-0.0	74	0.00
18	T	Methyl Acetate	50.000	65.768	-31.5#	105	0.00
19	T	Methyl tert-butyl Ether	50.000	51.461	-2.9	78	0.00
20	T	Methylene Chloride	50.000	48.271	3.5	80	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.151	-2.3	76	0.00
22	T	Diisopropyl ether	50.000	50.504	-1.0	75	0.00
23	T	Vinyl Acetate	250.000	226.852	9.3	69	0.00
24	P	1,1-Dichloroethane	50.000	51.243	-2.5	76	0.00
25	T	2-Butanone	250.000	238.789	4.5	76	0.00
26	T	2,2-Dichloropropane	50.000	45.640	8.7	68	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.993	-4.0	77	0.00
28	T	Bromochloromethane	50.000	53.763	-7.5	80	0.00
29	T	Tetrahydrofuran	250.000	252.225	-0.9	78	0.00
30	C	Chloroform	50.000	52.812	-5.6#	78	0.00
31	T	Cyclohexane	50.000	45.201	9.6	71	0.00
32	T	1,1,1-Trichloroethane	50.000	49.923	0.2	75	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.878	-7.8	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	80	0.00
35	S	Dibromofluoromethane	50.000	52.681	-5.4	83	0.00
36	T	1,1-Dichloropropene	50.000	46.428	7.1	72	0.00
37	T	Ethyl Acetate	50.000	45.459	9.1	73	0.00
38	T	Carbon Tetrachloride	50.000	46.629	6.7	73	0.00
39	T	Methylcyclohexane	50.000	45.585	8.8	72	0.00
40	TM	Benzene	50.000	49.319	1.4	76	0.00
41	T	Methacrylonitrile	50.000	43.280	13.4	68	0.00
42	TM	1,2-Dichloroethane	50.000	48.660	2.7	76	0.00
43	T	Isopropyl Acetate	50.000	45.928	8.1	74	0.00
44	TM	Trichloroethene	50.000	48.649	2.7	76	0.00
45	C	1,2-Dichloropropane	50.000	48.787	2.4#	77	0.00
46	T	Dibromomethane	50.000	48.413	3.2	77	0.00
47	T	Bromodichloromethane	50.000	49.963	0.1	77	0.00
48	T	Methyl methacrylate	50.000	47.699	4.6	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	968.930	3.1	81	0.00
50	S	Toluene-d8	50.000	51.640	-3.3	82	0.00
51	T	4-Methyl-2-Pentanone	250.000	235.486	5.8	75	0.00
52	CM	Toluene	50.000	48.800	2.4#	76	0.00
53	T	t-1,3-Dichloropropene	50.000	47.262	5.5	74	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.851	4.3	75	0.00
55	T	1,1,2-Trichloroethane	50.000	48.937	2.1	78	0.00
56	T	Ethyl methacrylate	50.000	47.866	4.3	76	0.00
57	T	1,3-Dichloropropane	50.000	48.881	2.2	77	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	267.180	-6.9	79	0.00
59	T	2-Hexanone	250.000	229.855	8.1	75	0.00
60	T	Dibromochloromethane	50.000	48.824	2.4	76	0.00
61	T	1,2-Dibromoethane	50.000	48.332	3.3	77	0.00
62	S	4-Bromofluorobenzene	50.000	49.259	1.5	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	81	0.00
64	T	Tetrachloroethene	50.000	47.833	4.3	75	0.00
65	PM	Chlorobenzene	50.000	48.128	3.7	76	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.800	4.4	76	0.00
67	C	Ethyl Benzene	50.000	47.588	4.8#	75	0.00
68	T	m/p-Xylenes	100.000	95.289	4.7	75	0.00
69	T	o-Xylene	50.000	48.022	4.0	76	0.00
70	T	Styrene	50.000	48.433	3.1	76	0.00
71	P	Bromoform	50.000	47.123	5.8	76	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	79	0.00
73	T	Isopropylbenzene	50.000	47.714	4.6	75	0.00
74	T	N-amyl acetate	50.000	43.719	12.6	71	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.972	4.1	77	0.00
76	T	1,2,3-Trichloropropane	50.000	47.009	6.0	76	0.00
77	T	Bromobenzene	50.000	48.481	3.0	76	0.00
78	T	n-propylbenzene	50.000	47.543	4.9	74	0.00
79	T	2-Chlorotoluene	50.000	47.755	4.5	74	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.548	4.9	74	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.006	16.0	71	0.00
82	T	4-Chlorotoluene	50.000	47.537	4.9	73	0.00
83	T	tert-Butylbenzene	50.000	47.735	4.5	74	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.773	4.5	74	0.00
85	T	sec-Butylbenzene	50.000	47.404	5.2	73	0.00
86	T	p-Isopropyltoluene	50.000	47.362	5.3	73	0.00
87	T	1,3-Dichlorobenzene	50.000	47.502	5.0	74	0.00
88	T	1,4-Dichlorobenzene	50.000	47.980	4.0	76	0.00
89	T	n-Butylbenzene	50.000	47.071	5.9	72	0.00
90	T	Hexachloroethane	50.000	47.405	5.2	74	0.00
91	T	1,2-Dichlorobenzene	50.000	48.631	2.7	76	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.464	7.1	76	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.231	7.5	72	0.00
94	T	Hexachlorobutadiene	50.000	44.930	10.1	70	0.00
95	T	Naphthalene	50.000	46.015	8.0	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.274	7.5	73	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.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.521		-0.19	20
Chloromethane	1.097	1.067	0.1	-2.73	20
Vinyl Chloride	1.226	1.343		9.54	20
Bromomethane	0.998	1.071		7.32	20
Chloroethane	0.763	0.887		16.25	20
Tetrahydrofuran	0.110	0.109		-0.91	20
Trichlorofluoromethane	1.241	1.308		5.4	20
1,1,2-Trichlorotrifluoroethane	0.539	0.569		5.57	20
1,1-Dichloroethene	0.535	0.570		6.54	20
Acrylonitrile	0.123	0.128		4.07	20
Acetone	0.102	0.103		0.98	20
Carbon Disulfide	1.744	1.850		6.08	20
Methyl tert-butyl Ether	1.475	1.543		4.61	20
Methylene Chloride	0.662	0.631		-4.68	20
trans-1,2-Dichloroethene	0.590	0.626		6.1	20
1,1-Dichloroethane	1.106	1.172	0.1	5.97	20
2-Butanone	0.171	0.166		-2.92	20
Carbon Tetrachloride	0.509	0.537		5.5	20
2,2-Dichloropropane	0.984	1.070		8.74	20
cis-1,2-Dichloroethene	0.681	0.737		8.22	20
Chloroform	1.061	1.161		9.43	20
1,1,1-Trichloroethane	0.974	1.038		6.57	20
1,1-Dichloropropene	0.492	0.515		4.68	20
Benzene	1.457	1.567		7.55	20
1,2-Dichloroethane	0.394	0.417		5.84	20
Trichloroethene	0.362	0.381		5.25	20
1,2-Dichloropropane	0.351	0.371		5.7	20
Dibromomethane	0.189	0.197		4.23	20
Bromodichloromethane	0.492	0.533		8.33	20
4-Methyl-2-Pentanone	0.253	0.250		-1.19	20
Toluene	0.923	0.982		6.39	20
t-1,3-Dichloropropene	0.480	0.500		4.17	20
cis-1,3-Dichloropropene	0.550	0.587		6.73	20
1,1,2-Trichloroethane	0.243	0.254		4.53	20
1,3-Dichloropropane	0.431	0.453		5.1	20
2-Hexanone	0.170	0.165		-2.94	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.226	0.238		5.31	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.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.462	0.477		3.25	20
Chlorobenzene	1.128	1.200	0.3	6.38	20
1,1,1,2-Tetrachloroethane	0.388	0.411		5.93	20
Ethyl Benzene	2.113	2.235		5.77	20
m/p-Xylenes	0.796	0.848		6.53	20
o-Xylene	0.753	0.804		6.77	20
Styrene	1.270	1.355		6.69	20
Bromoform	0.209	0.214	0.1	2.39	20
Isopropylbenzene	4.142	4.419		6.69	20
1,1,2,2-Tetrachloroethane	0.637	0.651	0.3	2.2	20
1,2,3-Trichloropropane	0.507	0.540		6.51	20
Bromobenzene	0.885	0.931		5.2	20
n-propylbenzene	4.996	5.356		7.21	20
2-Chlorotoluene	2.746	2.925		6.52	20
1,3,5-Trimethylbenzene	3.344	3.549		6.13	20
4-Chlorotoluene	2.824	3.008		6.52	20
tert-Butylbenzene	2.972	3.142		5.72	20
1,2,4-Trimethylbenzene	3.319	3.567		7.47	20
sec-Butylbenzene	4.412	4.725		7.09	20
p-Isopropyltoluene	3.710	3.971		7.03	20
1,3-Dichlorobenzene	1.806	1.921		6.37	20
1,4-Dichlorobenzene	1.737	1.826		5.12	20
n-Butylbenzene	3.510	3.816		8.72	20
1,2-Dichlorobenzene	1.517	1.596		5.21	20
1,2-Dibromo-3-Chloropropane	0.103	0.104		0.97	20
1,2,4-Trichlorobenzene	0.876	0.929		6.05	20
Hexachlorobutadiene	0.489	0.515		5.32	20
1,2,3-Trichlorobenzene	0.743	0.768		3.37	20
1,2-Dichloroethane-d4	0.546	0.552		1.1	20
Dibromofluoromethane	0.298	0.308		3.36	20
Toluene-d8	1.222	1.265		3.52	20
4-Bromofluorobenzene	0.387	0.388		0.26	20
trans-1,4-Dichloro-2-butene	0.250	0.238		-4.8	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\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	212993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	356583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117567	50.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.020%			
35) Dibromofluoromethane	7.634	113	109661	51.525	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.060%			
50) Toluene-d8	10.109	98	450916	51.731	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.407	95	138475	50.120	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	110954	49.923	ug/l	99
3) Chloromethane	2.068	50	227201	48.598	ug/l	99
4) Vinyl Chloride	2.202	62	286097	54.773	ug/l	96
5) Bromomethane	2.598	94	228058	53.635	ug/l	99
6) Chloroethane	2.738	64	188872	58.123	ug/l	95
7) Trichlorofluoromethane	3.055	101	278547	52.672	ug/l	100
8) Diethyl Ether	3.452	74	65966	51.977	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	121276	52.824	ug/l	100
10) Methyl Iodide	4.007	142	149113	56.117	ug/l	99
11) Tert butyl alcohol	4.872	59	42970	241.730	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	121321	53.251	ug/l	99
13) Acrolein	3.653	56	53247	204.899	ug/l	99
14) Allyl chloride	4.384	41	204941	51.302	ug/l	96
15) Acrylonitrile	5.061	53	135814	259.711	ug/l	98
16) Acetone	3.872	43	109507	250.886	ug/l	100
17) Carbon Disulfide	4.104	76	394070	53.042	ug/l	99
18) Methyl Acetate	4.384	43	69106	50.215	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	328680	52.321	ug/l	97
20) Methylene Chloride	4.616	84	134377	47.645	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	133277	52.998	ug/l	98
22) Diisopropyl ether	6.018	45	437077	51.810	ug/l	100
23) Vinyl Acetate	5.957	43	1279898	251.128	ug/l	100
24) 1,1-Dichloroethane	5.915	63	249652	52.970	ug/l	99
25) 2-Butanone	6.896	43	177141	242.624	ug/l	100
26) 2,2-Dichloropropane	6.884	77	227980	54.384	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	156977	54.093	ug/l	99
28) Bromochloromethane	7.244	49	103785	51.625	ug/l	99
29) Tetrahydrofuran	7.262	42	115748	246.422	ug/l	96
30) Chloroform	7.421	83	247345	54.713	ug/l	94
31) Cyclohexane	7.701	56	232896	49.457	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221082	53.304	ug/l	99
36) 1,1-Dichloropropene	7.835	75	183482	52.341	ug/l	98
37) Ethyl Acetate	6.982	43	82168	48.715	ug/l	98
38) Carbon Tetrachloride	7.817	117	191365	52.737	ug/l	97
39) Methylcyclohexane	9.109	83	242532	51.496	ug/l	100
40) Benzene	8.079	78	558801	53.771	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	50033	44.718	ug/l	#	91
42) 1,2-Dichloroethane	8.158	62	148582	52.870	ug/l		100
43) Isopropyl Acetate	8.195	43	182651	49.654	ug/l	#	88
44) Trichloroethene	8.865	130	135760	52.539	ug/l		98
45) 1,2-Dichloropropane	9.140	63	132126	52.735	ug/l		97
46) Dibromomethane	9.231	93	70093	51.869	ug/l		99
47) Bromodichloromethane	9.426	83	189903	54.169	ug/l		98
48) Methyl methacrylate	9.219	41	85212	49.534	ug/l		98
49) 1,4-Dioxane	9.231	88	15293	1001.752	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	446509	247.383	ug/l		98
52) Toluene	10.170	92	350043	53.192	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	178121	52.062	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	209477	53.441	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	90613	52.364	ug/l		96
56) Ethyl methacrylate	10.438	69	136463	50.626	ug/l		98
57) 1,3-Dichloropropane	10.719	76	161520	52.534	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	319368	263.967	ug/l		99
59) 2-Hexanone	10.761	43	294366	243.243	ug/l		98
60) Dibromochloromethane	10.914	129	120550	53.672	ug/l		99
61) 1,2-Dibromoethane	11.017	107	84972	52.685	ug/l		99
64) Tetrachloroethene	10.646	164	145990	51.645	ug/l		97
65) Chlorobenzene	11.444	112	367007	53.191	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	125569	52.937	ug/l		100
67) Ethyl Benzene	11.517	91	683403	52.887	ug/l		99
68) m/p-Xylenes	11.627	106	518397	106.465	ug/l		100
69) o-Xylene	11.956	106	246010	53.401	ug/l		98
70) Styrene	11.968	104	414482	53.337	ug/l		99
71) Bromoform	12.133	173	65518	51.173	ug/l	#	98
73) Isopropylbenzene	12.255	105	638419	53.338	ug/l		100
74) N-amyl acetate	12.072	43	170468	49.797	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93984	51.057	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	78033m	53.312	ug/l		
77) Bromobenzene	12.535	156	134547	52.632	ug/l		99
78) n-propylbenzene	12.596	91	773886	53.604	ug/l		100
79) 2-Chlorotoluene	12.682	91	422629	53.269	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	512810	53.075	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	34394	47.601	ug/l		97
82) 4-Chlorotoluene	12.779	91	434539	53.249	ug/l		100
83) tert-Butylbenzene	12.999	119	453991	52.865	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	515364	53.733	ug/l		100
85) sec-Butylbenzene	13.176	105	682585	53.545	ug/l		100
86) p-Isopropyltoluene	13.291	119	573661	53.506	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	277562	53.186	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	263812	52.554	ug/l		99
89) n-Butylbenzene	13.621	91	551378	54.360	ug/l		100
90) Hexachloroethane	13.883	117	115221	53.238	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	230646	52.616	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15069	50.767	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	134157	52.983	ug/l		99
94) Hexachlorobutadiene	15.023	225	74411	52.696	ug/l		100
95) Naphthalene	15.145	128	243439	50.663	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	111008	51.679	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

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\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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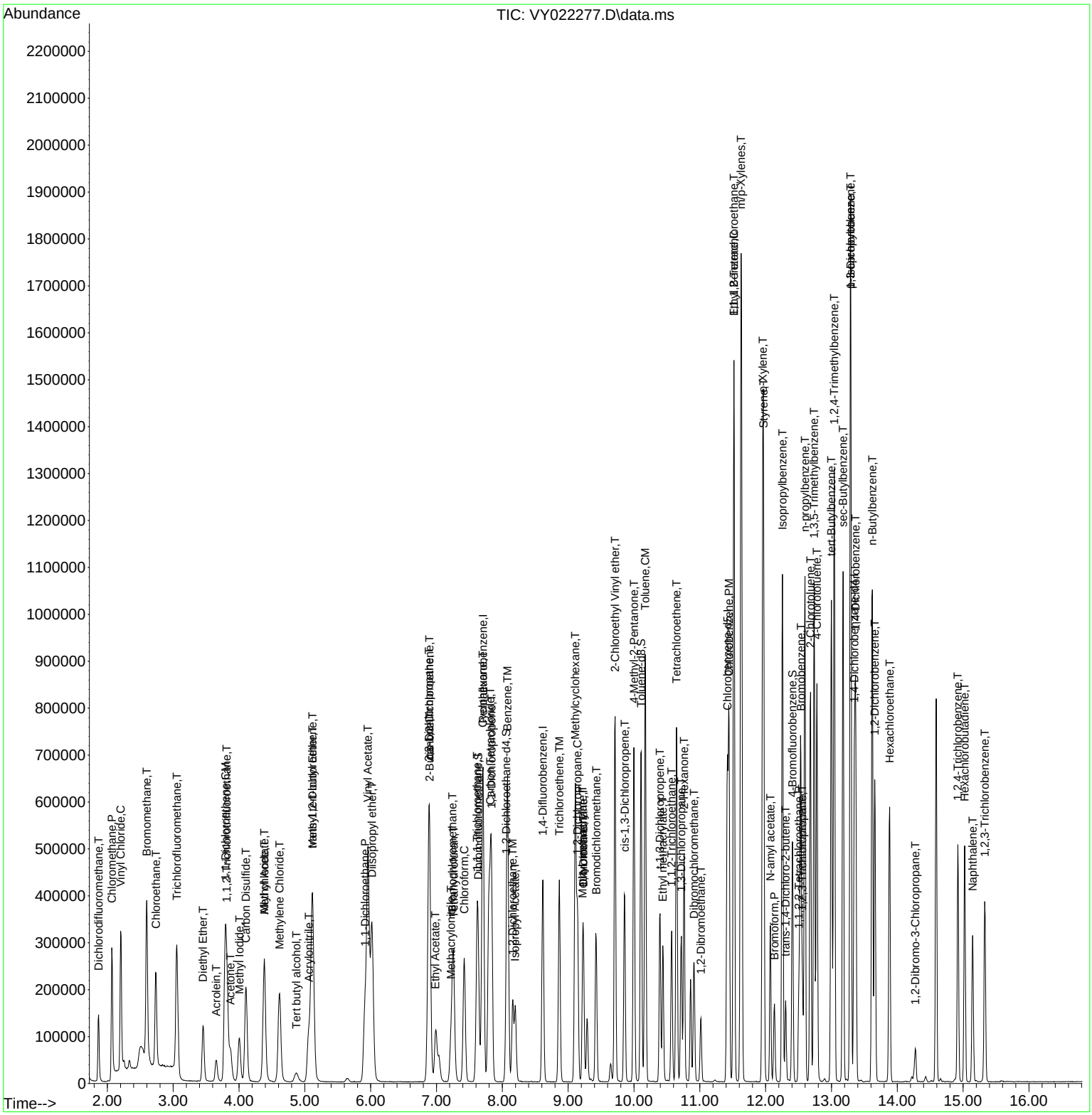

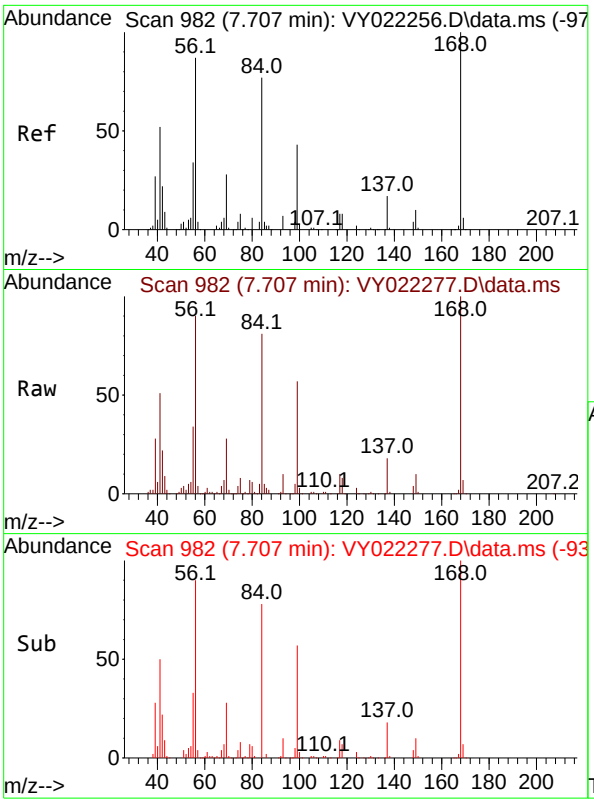

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:168 Resp: 21299

Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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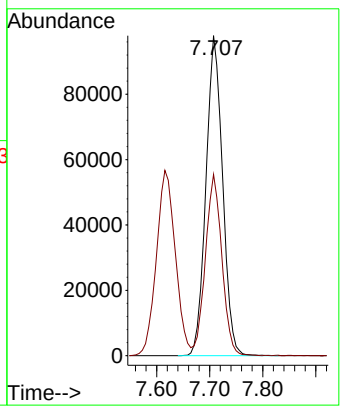
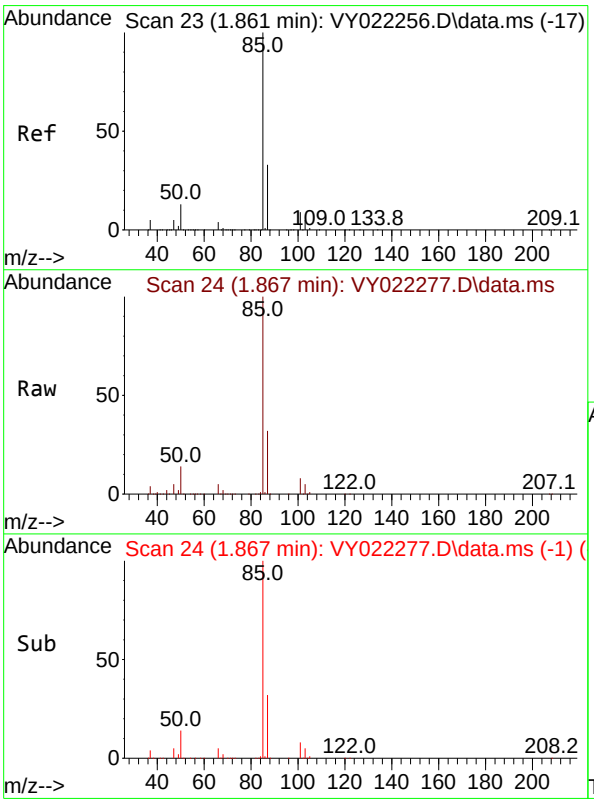
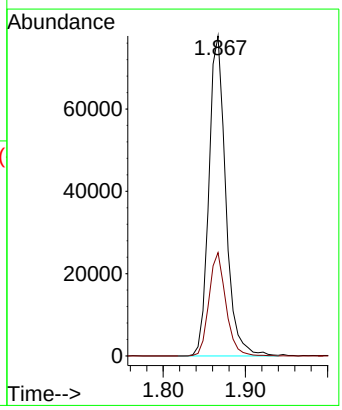


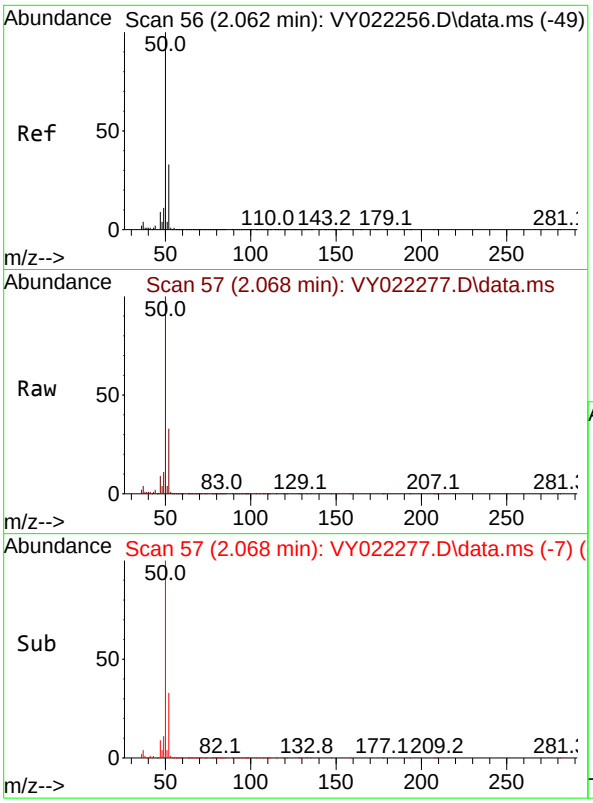


#2
Dichlorodifluoromethane
Concen: 49.923 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 85 Resp: 110954

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.5	49.5

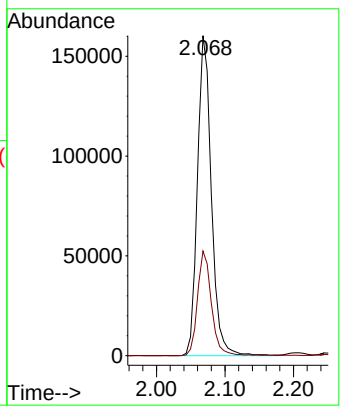




#3
Chloromethane
Concen: 48.598 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 50 Resp: 22720

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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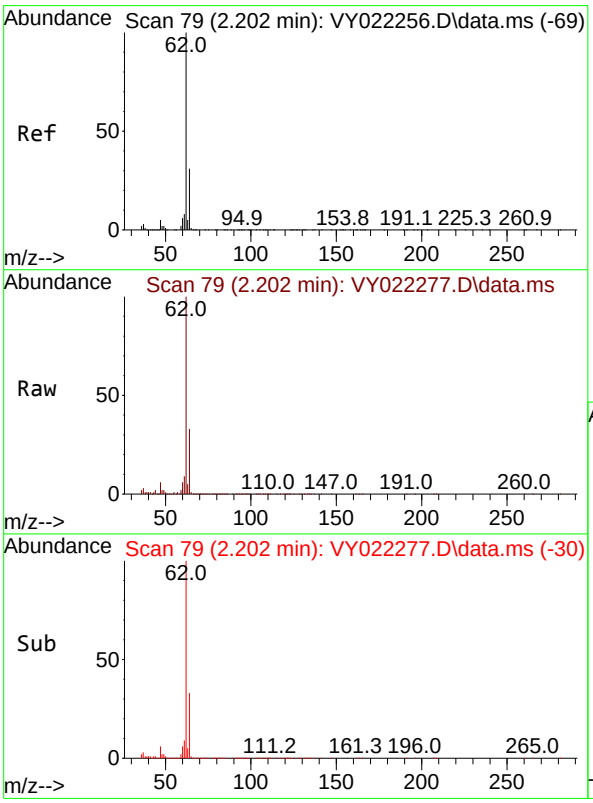
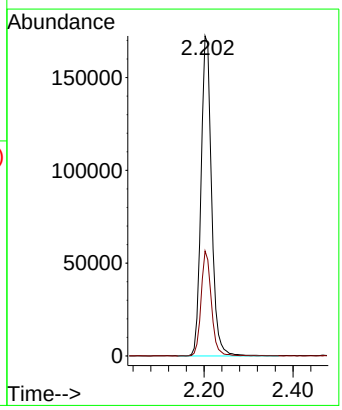
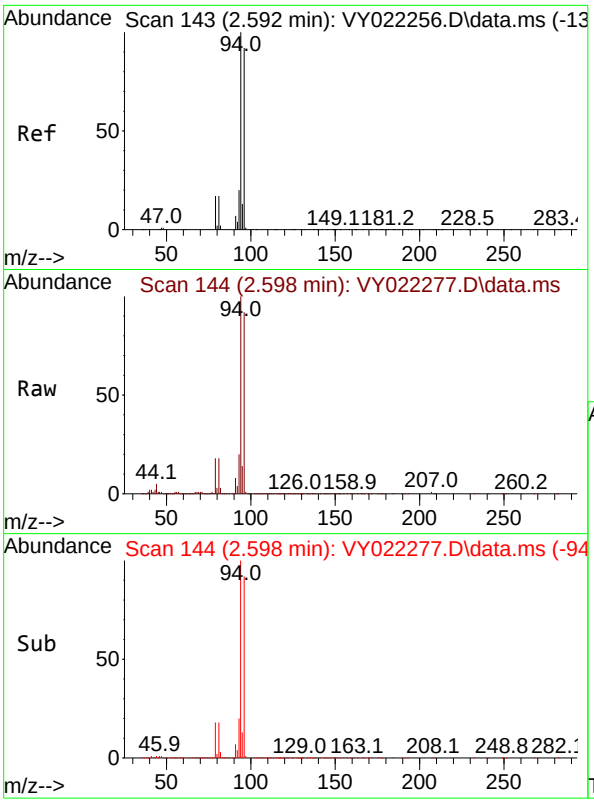


#4
Vinyl Chloride
Concen: 54.773 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 62 Resp: 286097

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.5	36.7

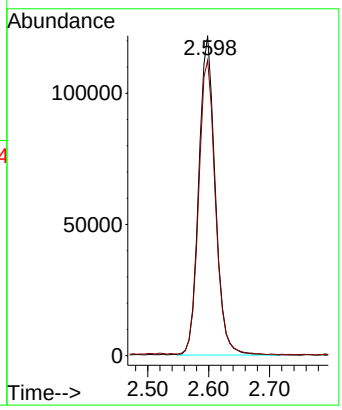




#5
Bromomethane
Concen: 53.635 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 94 Resp: 22805

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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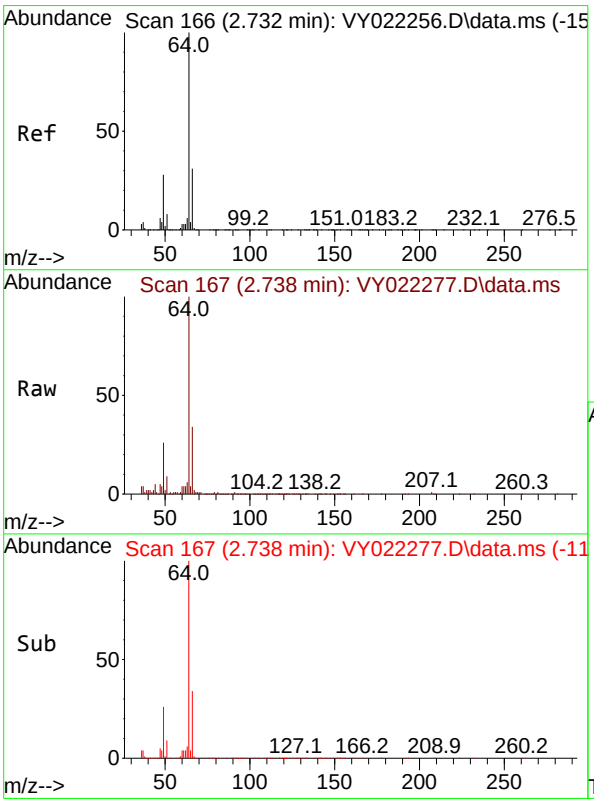
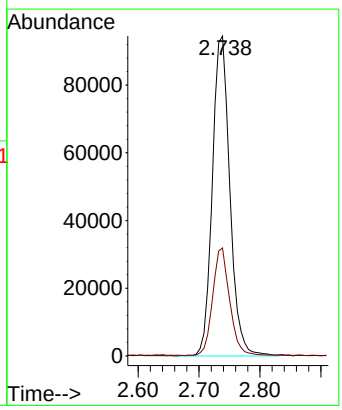
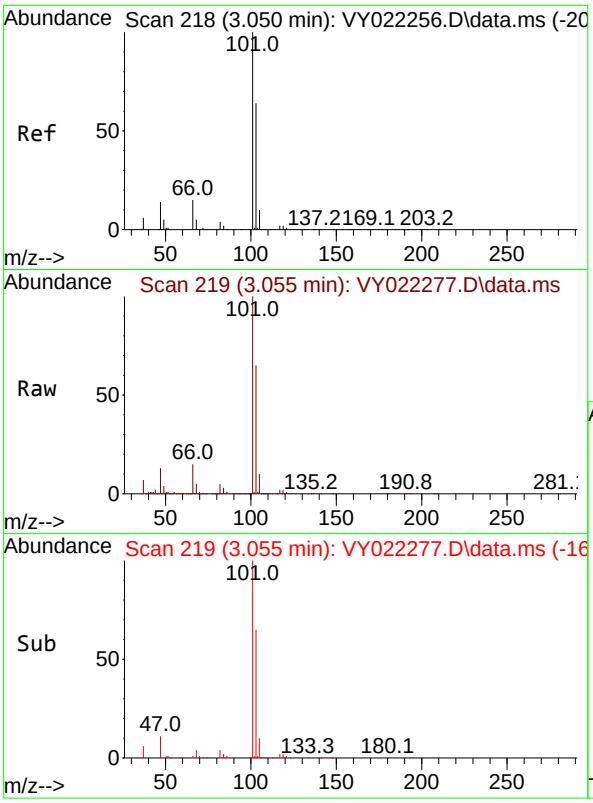


#6
Chloroethane
Concen: 58.123 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 64 Resp: 188872

Ion	Ratio	Lower	Upper
64	100		
66	33.5	24.8	37.2

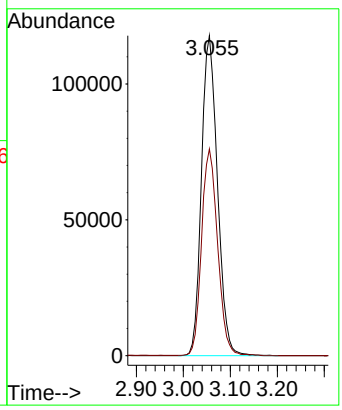




#7
Trichlorofluoromethane
Concen: 52.672 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:101 Resp: 27854

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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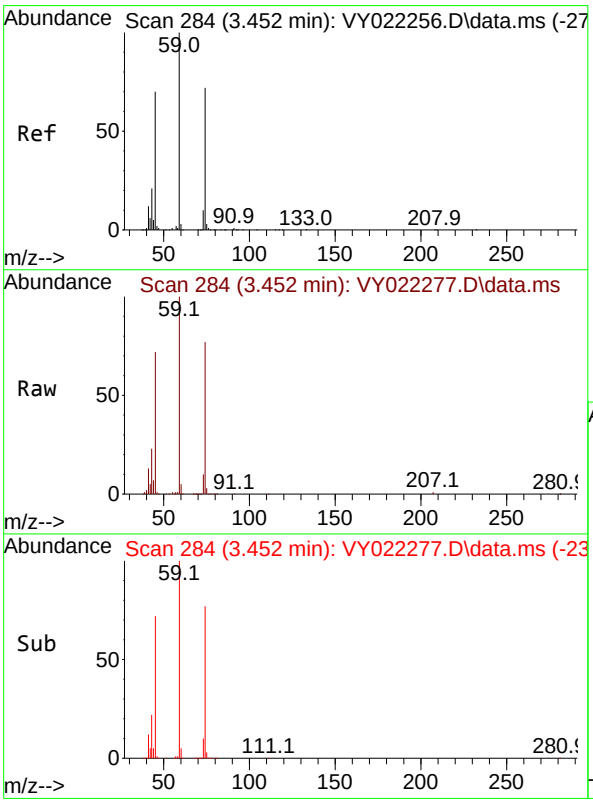
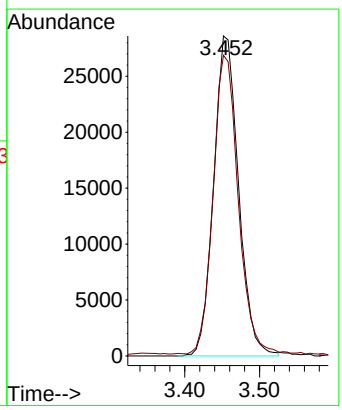
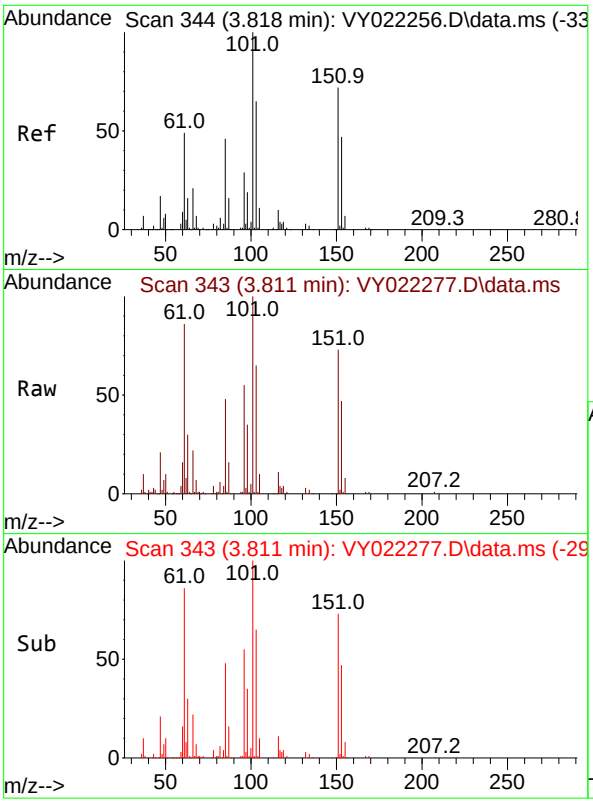


#8
Diethyl Ether
Concen: 51.977 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 74 Resp: 65966

Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.824 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:101 Resp: 12127

Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.6	58.0
151	74.2	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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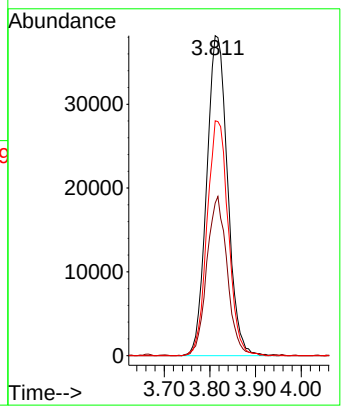
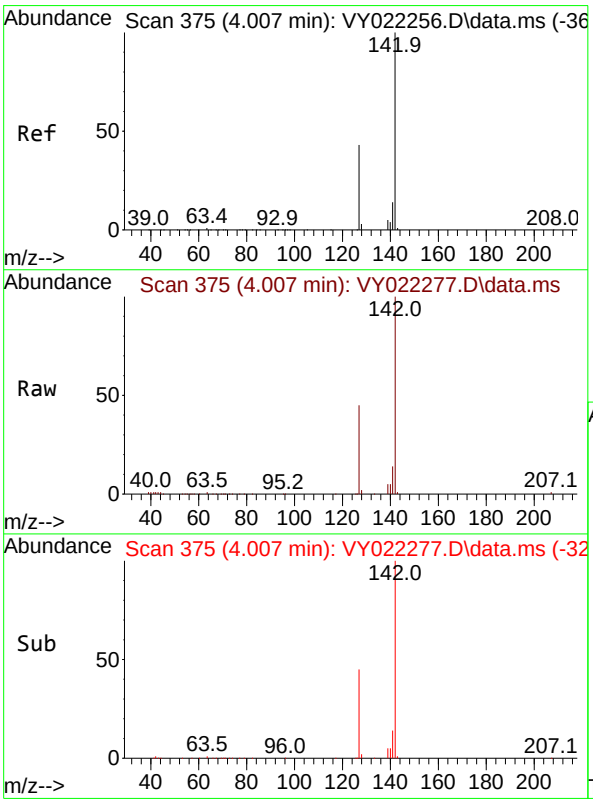
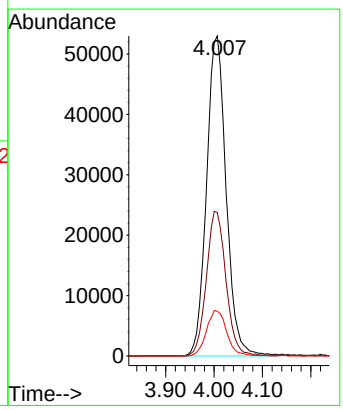


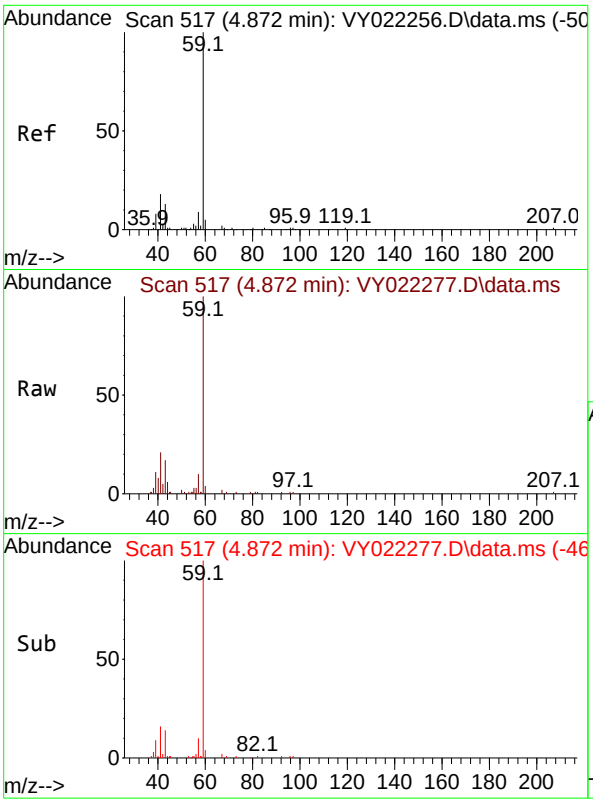


#10
Methyl Iodide
Concen: 56.117 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:142 Resp: 149113

Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.7	53.5
141	14.7	11.1	16.7

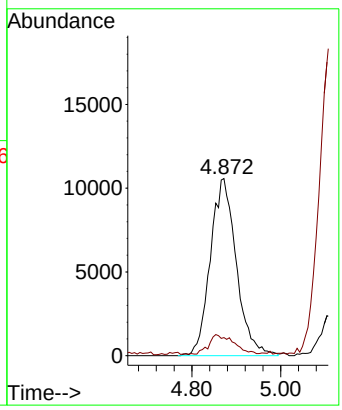




#11
Tert butyl alcohol
Concen: 241.730 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 59 Resp: 4297

Ion	Ratio	Lower	Upper
59	100		
57	10.3	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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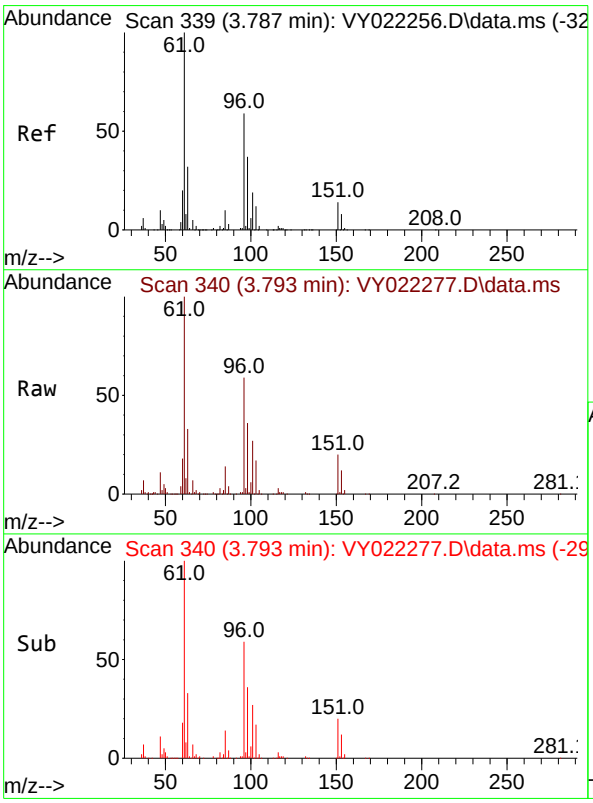
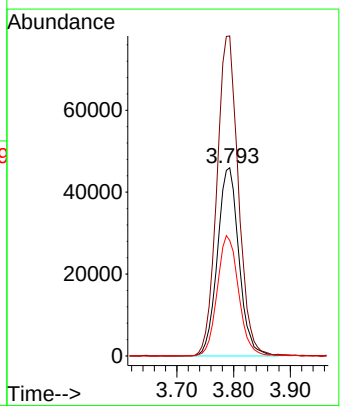
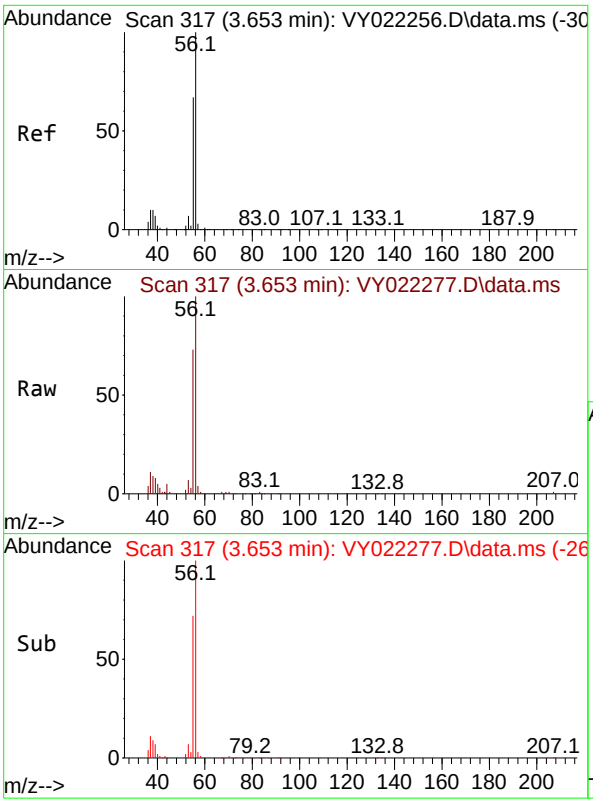


#12
1,1-Dichloroethene
Concen: 53.251 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 96 Resp: 121321

Ion	Ratio	Lower	Upper
96	100		
61	170.1	134.9	202.3
98	61.2	49.9	74.9

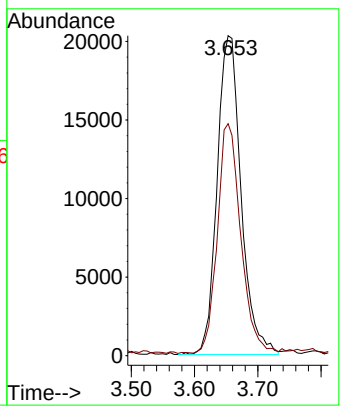




#13
Acrolein
Concen: 204.899 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 56 Resp: 5324

Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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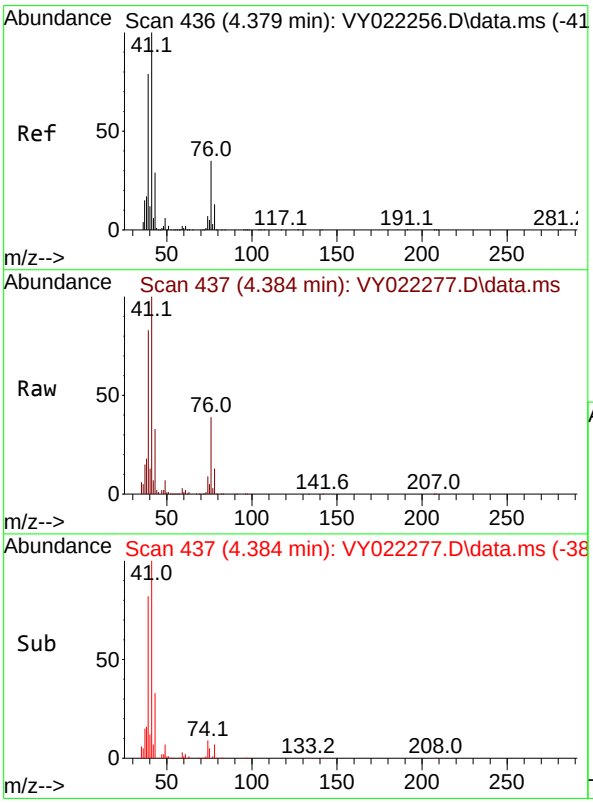
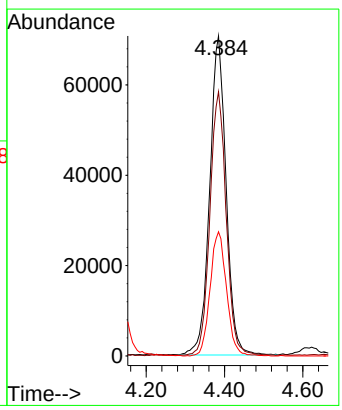
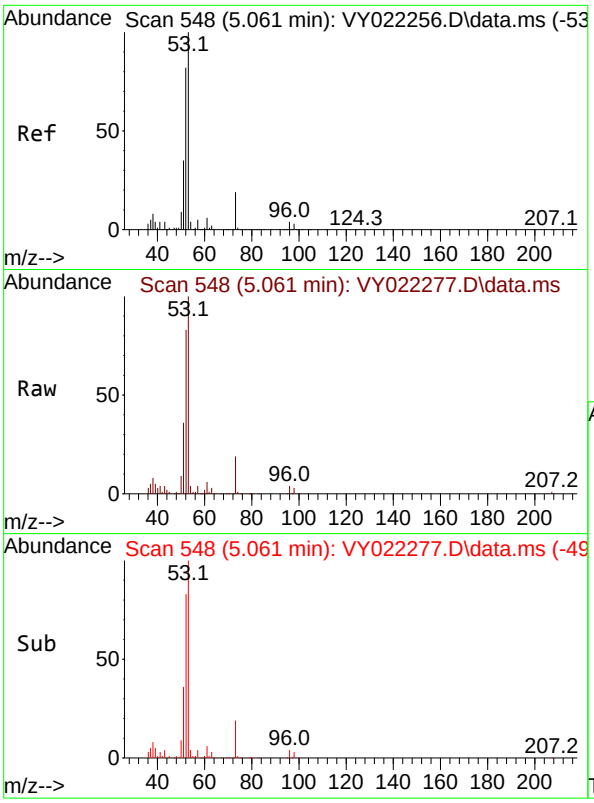


#14
Allyl chloride
Concen: 51.302 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 204941

Ion	Ratio	Lower	Upper
41	100		
39	82.4	63.4	95.0
76	39.0	29.5	44.3





#15
Acrylonitrile
Concen: 259.711 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 53 Resp: 13581

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.1	99.1
51	38.2	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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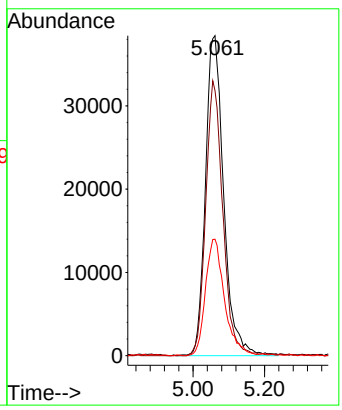
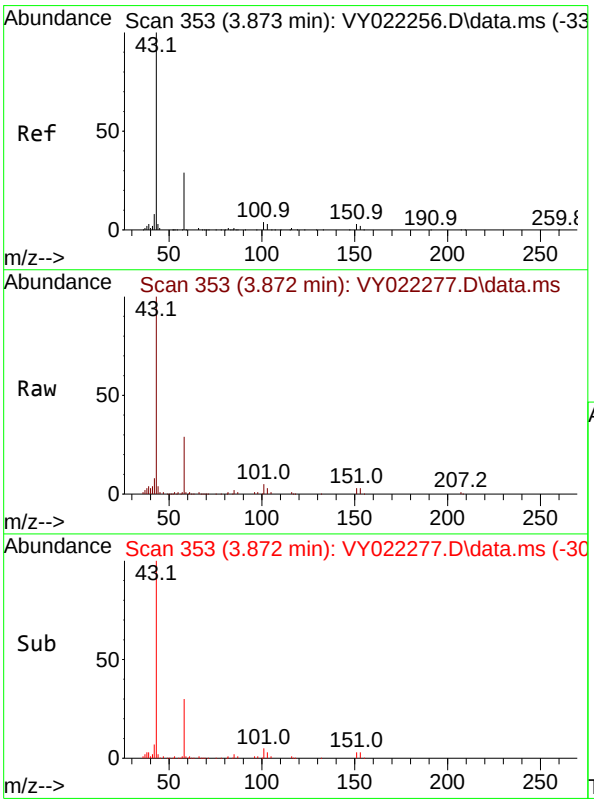
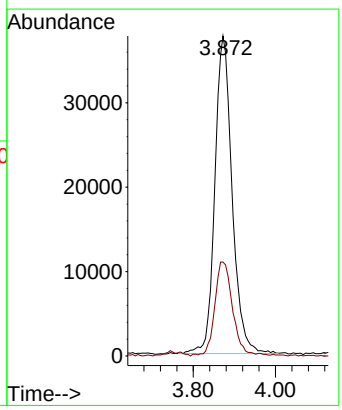


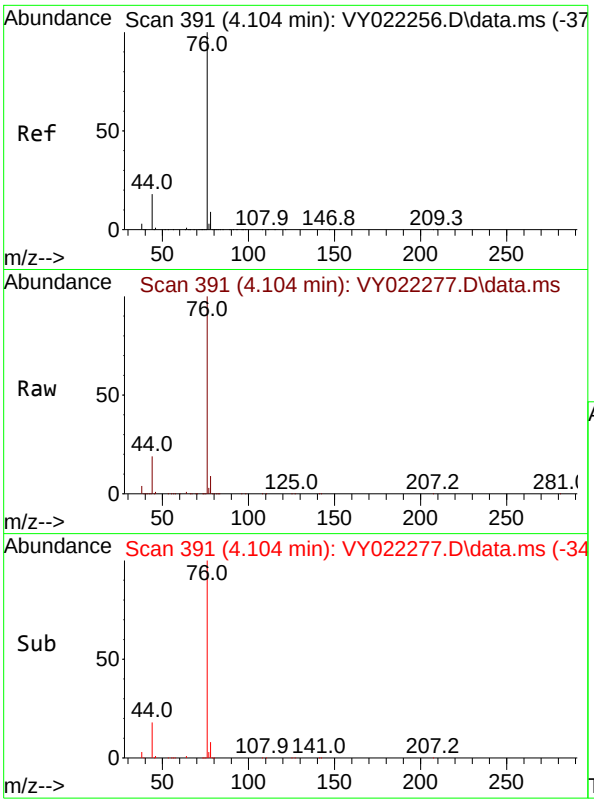


#16
Acetone
Concen: 250.886 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 109507

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4





#17
Carbon Disulfide
Concen: 53.042 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 76 Resp: 39407

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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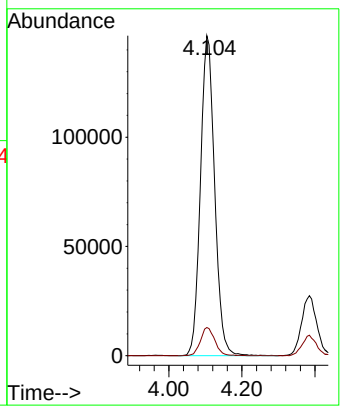
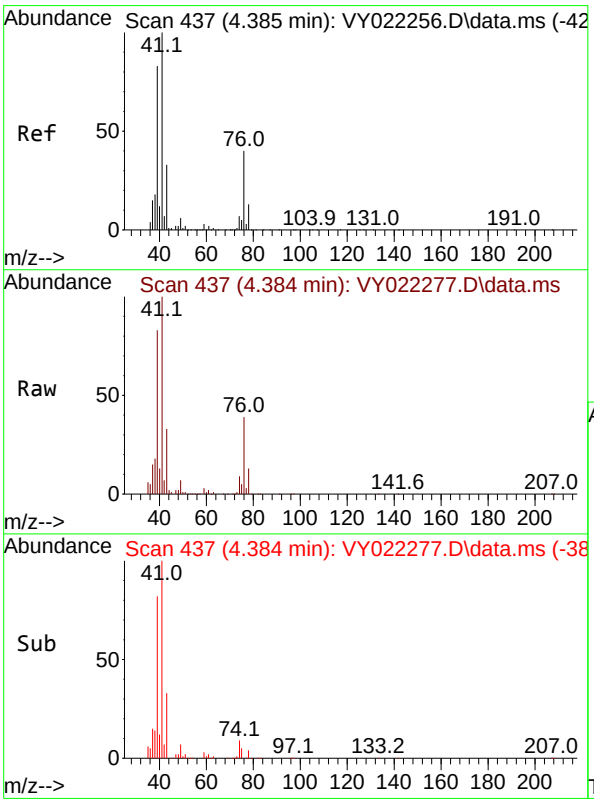
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

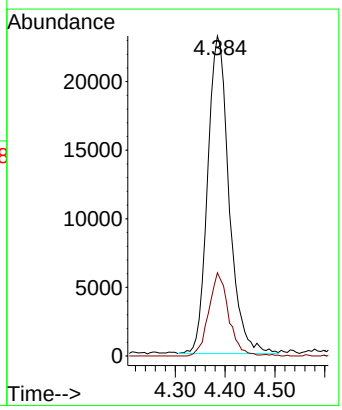


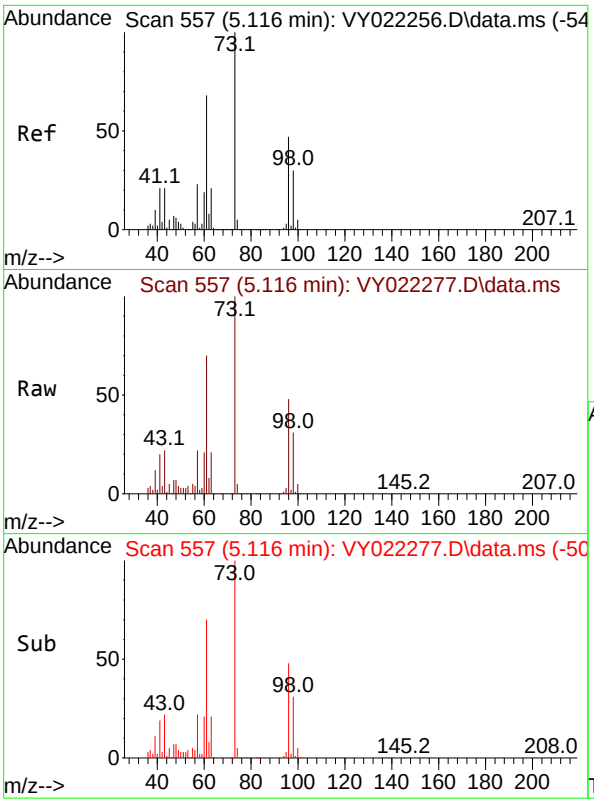


#18
Methyl Acetate
Concen: 50.215 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 69106

Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.2	27.4

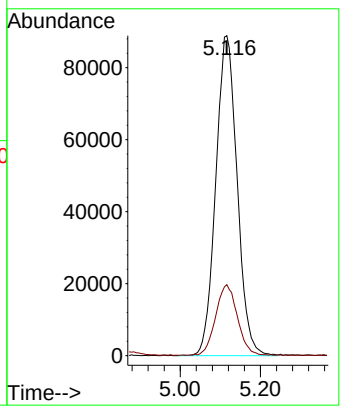




#19
Methyl tert-butyl Ether
Concen: 52.321 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 73 Resp: 32868

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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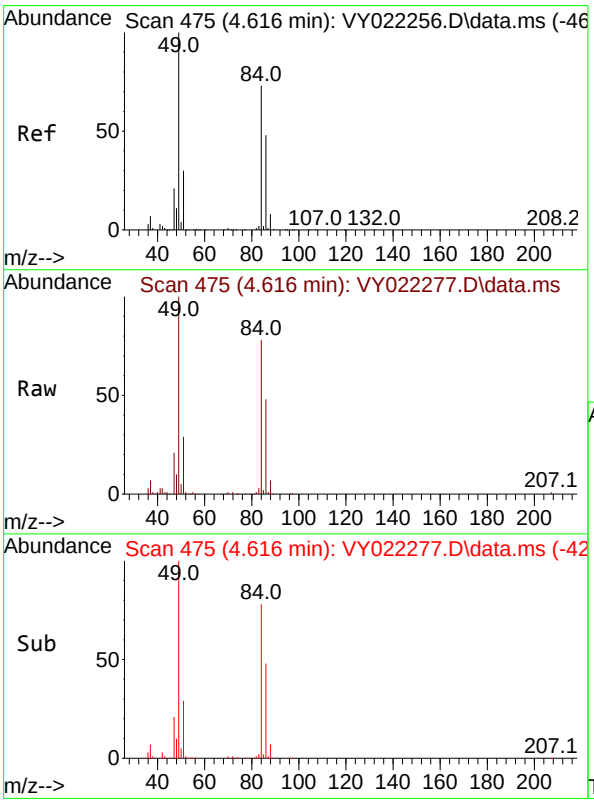
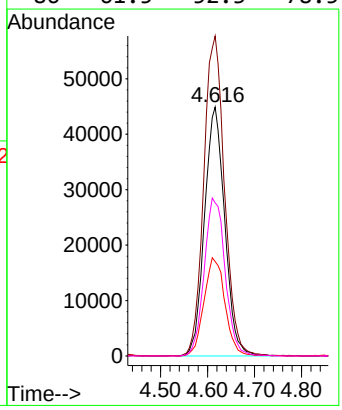
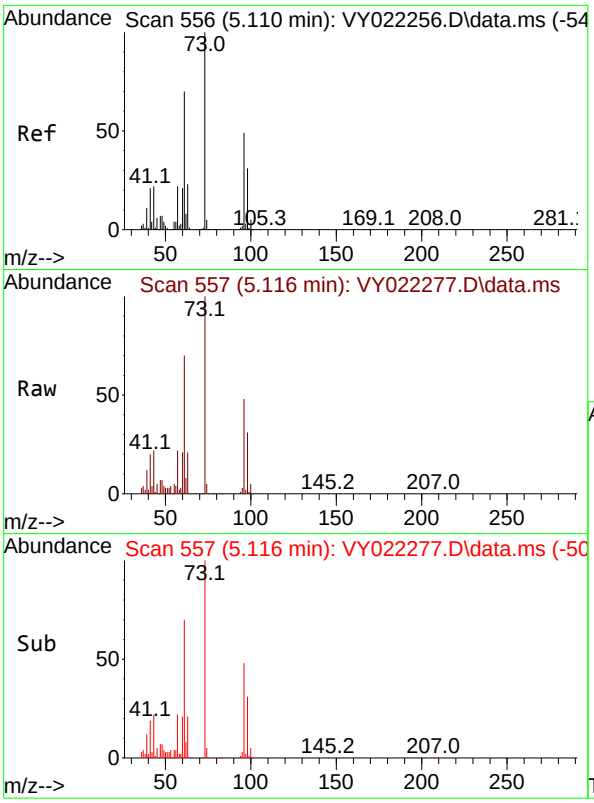


#20
Methylene Chloride
Concen: 47.645 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 84 Resp: 134377

Ion	Ratio	Lower	Upper
84	100		
49	128.6	109.6	164.4
51	37.9	32.4	48.6
86	61.5	52.3	78.5

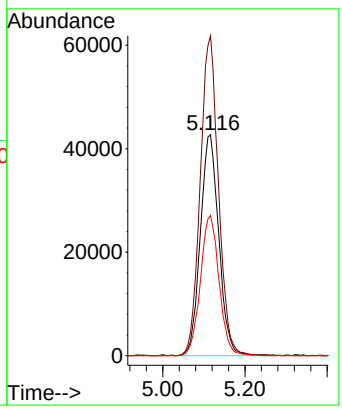




#21
trans-1,2-Dichloroethene
Concen: 52.998 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 96 Resp: 13327

Ion	Ratio	Lower	Upper
96	100		
61	144.7	113.4	170.0
98	63.5	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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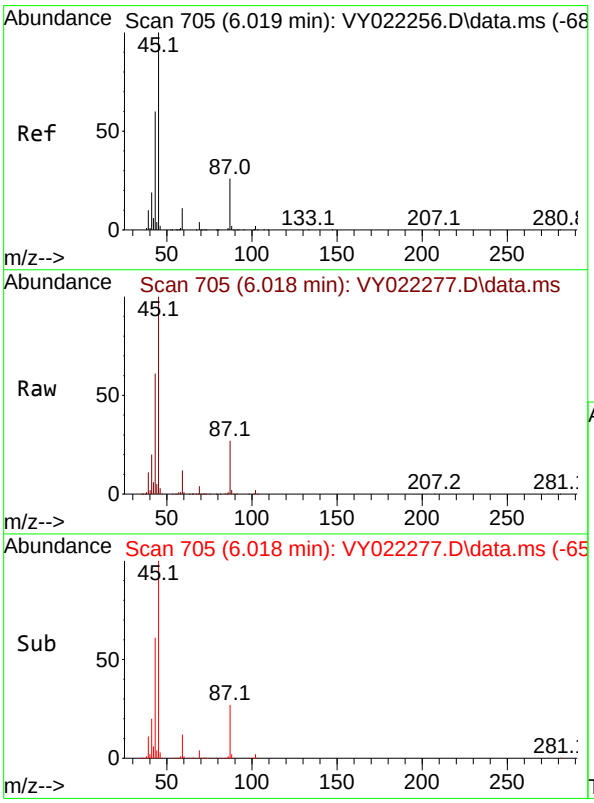
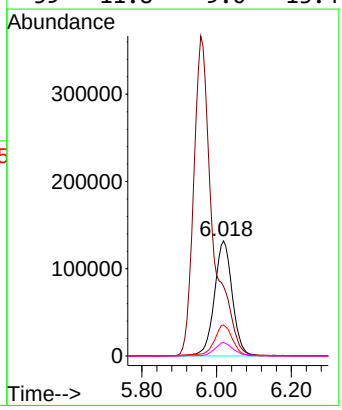
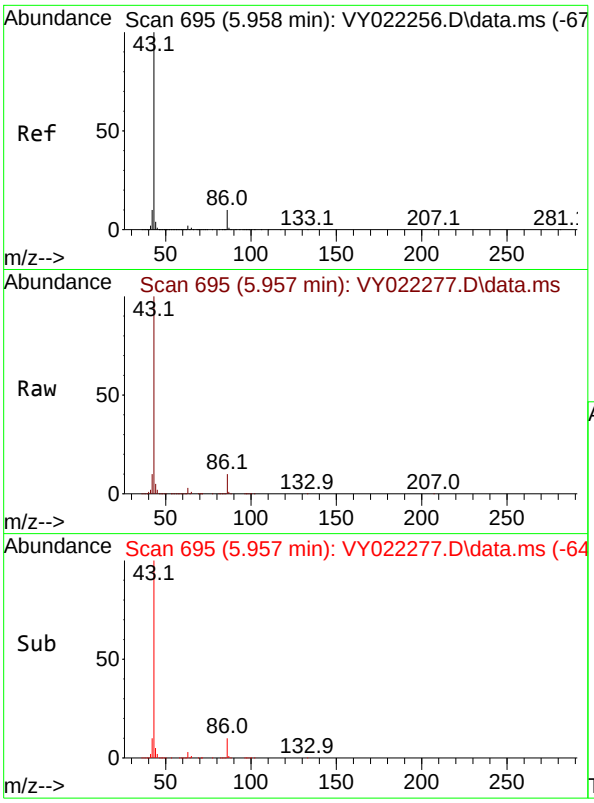


#22
Diisopropyl ether
Concen: 51.810 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 45 Resp: 437077

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.2
87	27.0	21.4	32.0
59	11.8	9.0	13.4





#23
Vinyl Acetate
Concen: 251.128 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 127989

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
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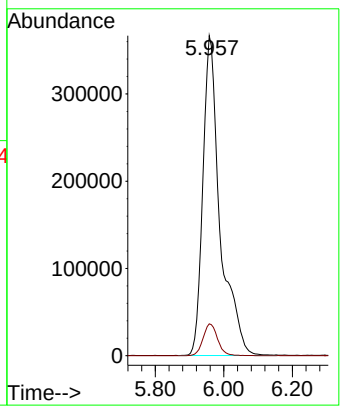
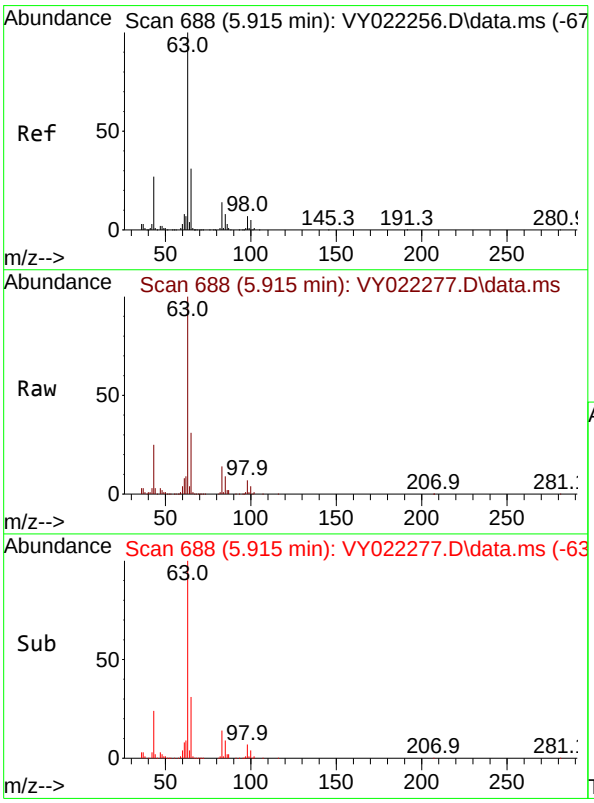
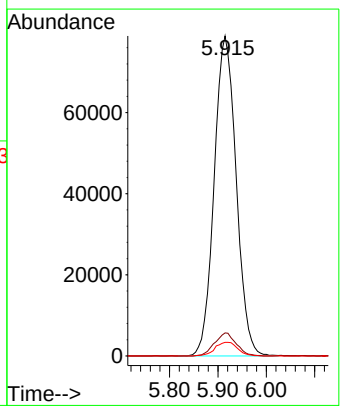


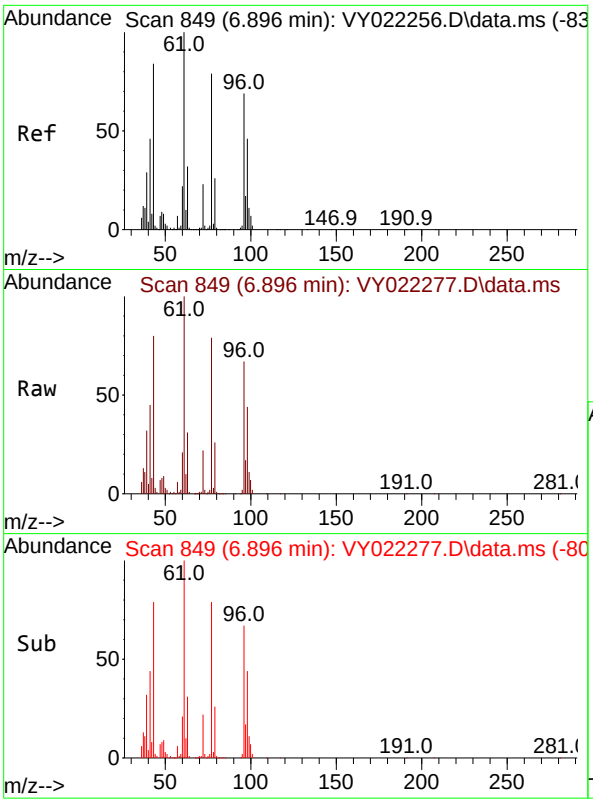


#24
1,1-Dichloroethane
Concen: 52.970 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 63 Resp: 249652

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.3	2.4	7.2





#25
2-Butanone
Concen: 242.624 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 17714

Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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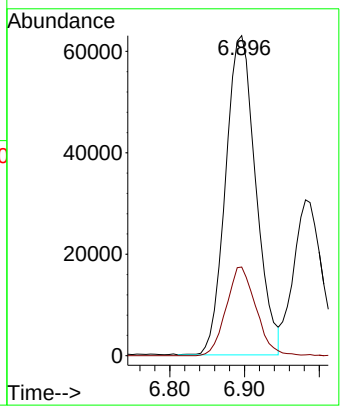
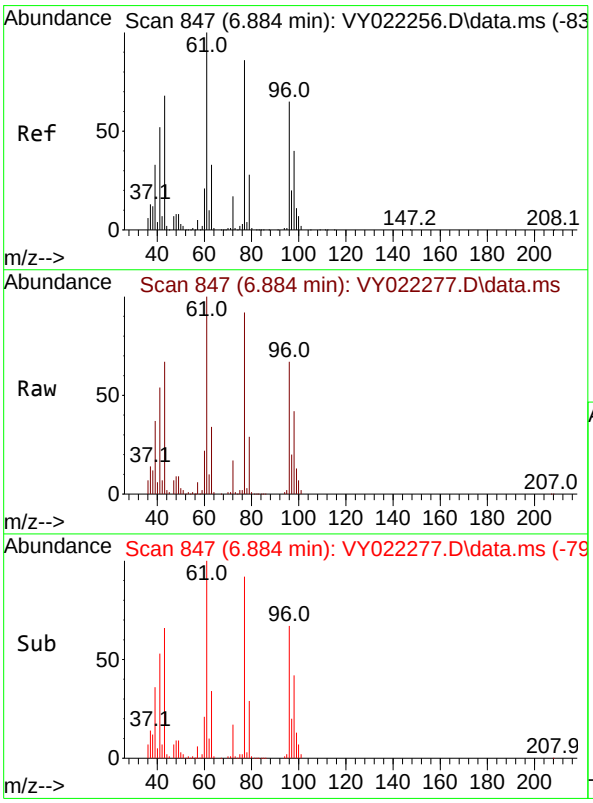
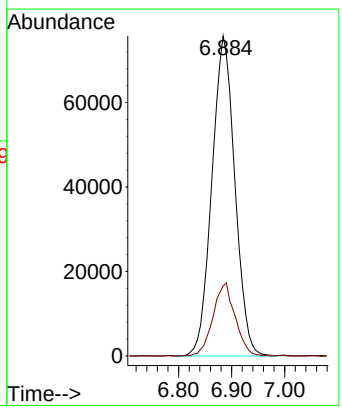


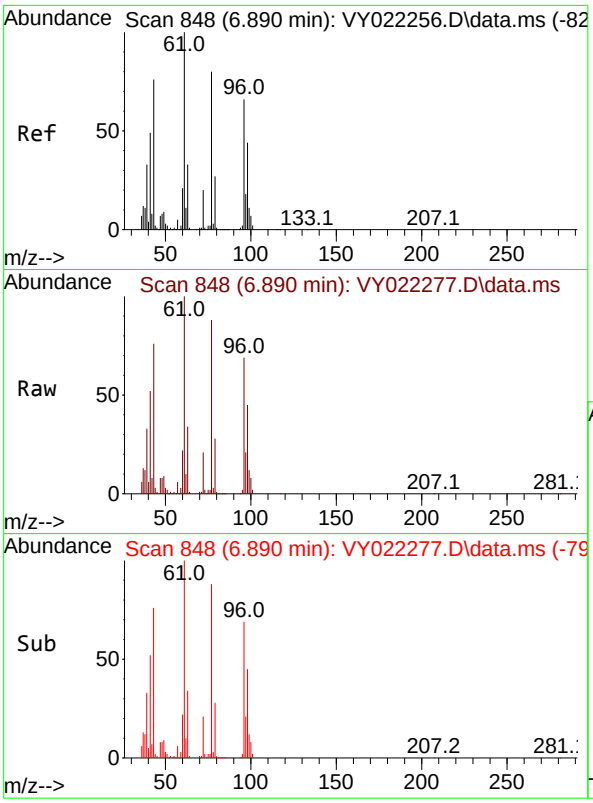


#26
2,2-Dichloropropane
Concen: 54.384 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 77 Resp: 227980

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 54.093 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 96 Resp: 15697

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	302.6
98	63.9	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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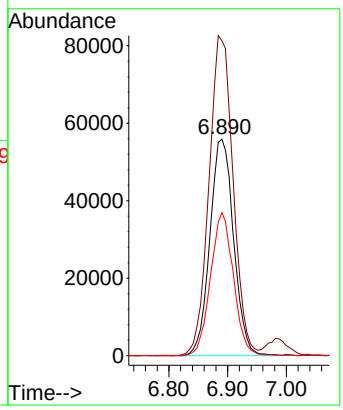
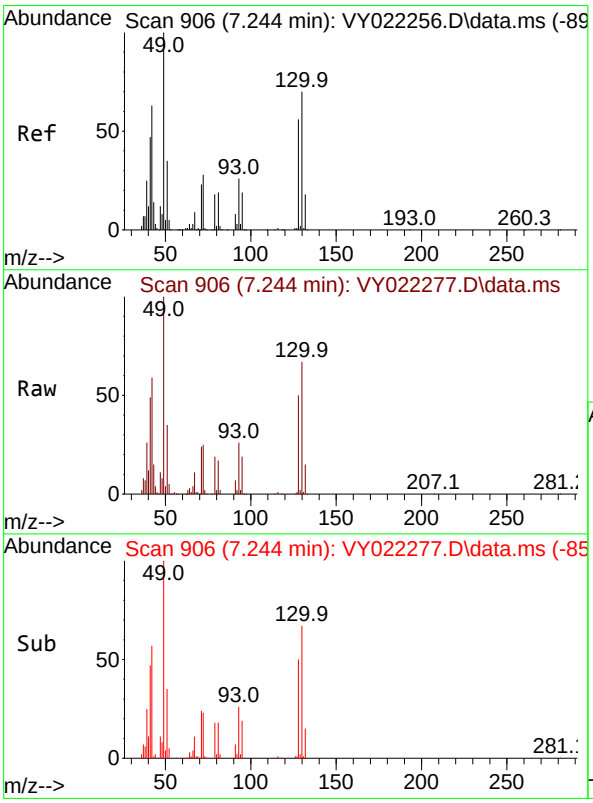
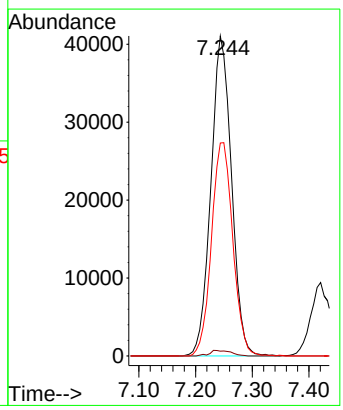


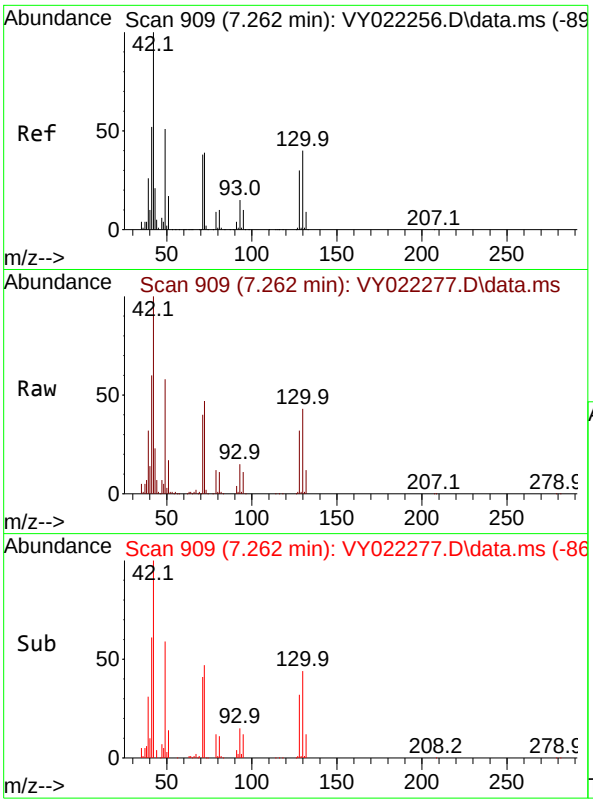


#28
Bromochloromethane
Concen: 51.625 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 49 Resp: 103785

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.0	54.7	82.1





#29
Tetrahydrofuran
Concen: 246.422 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 42 Resp: 11574

Ion	Ratio	Lower	Upper
42	100		
72	44.3	33.8	50.6
71	42.3	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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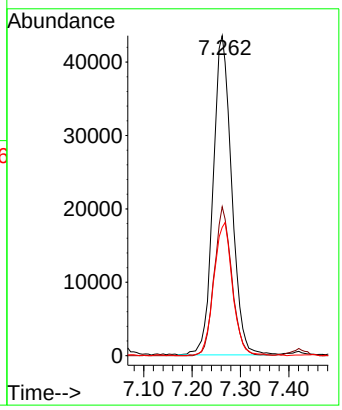
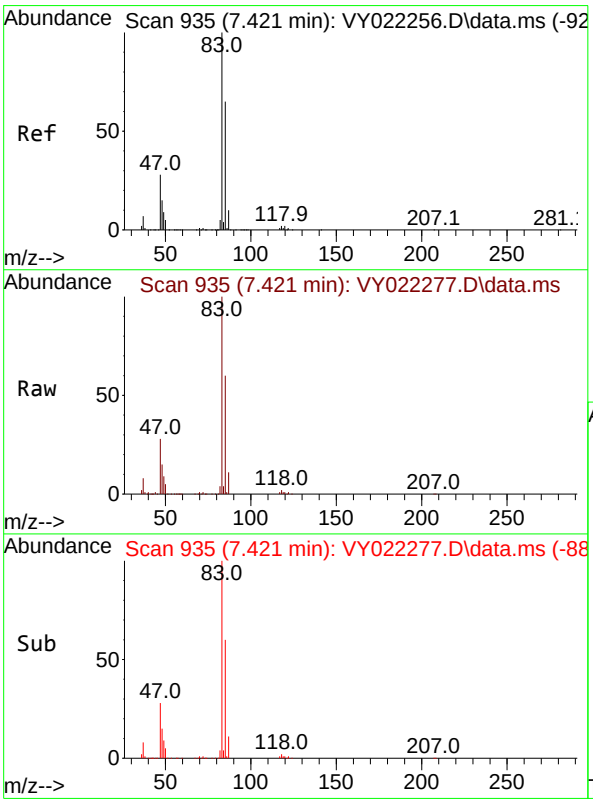
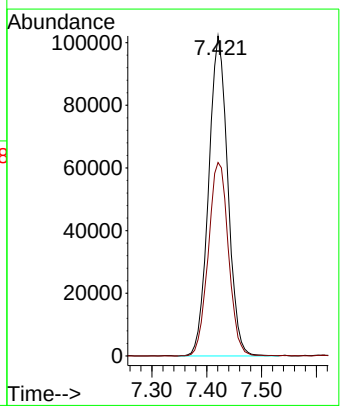


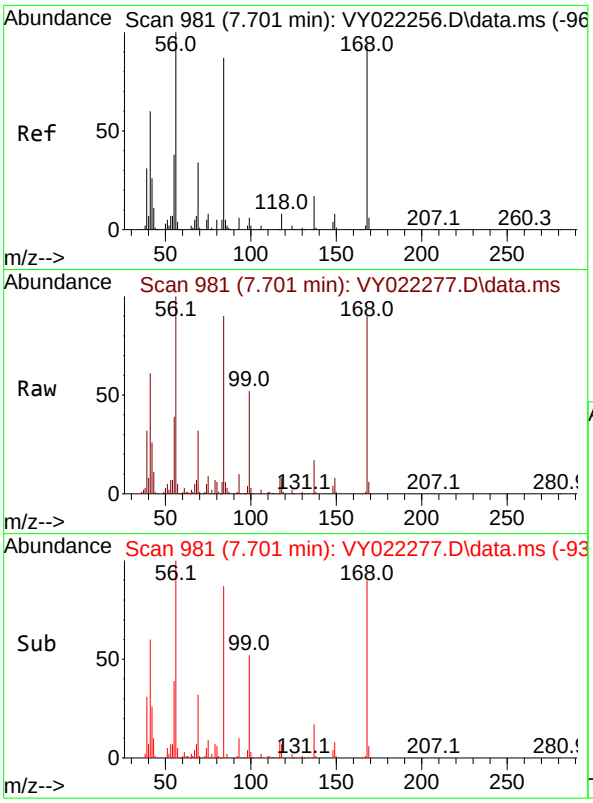


#30
Chloroform
Concen: 54.713 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 247345

Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.8	77.8

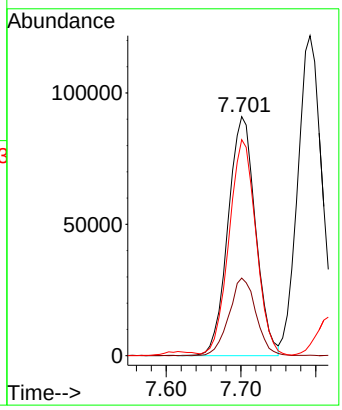




#31
Cyclohexane
Concen: 49.457 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 56 Resp: 23289

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.4	41.2
84	88.6	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
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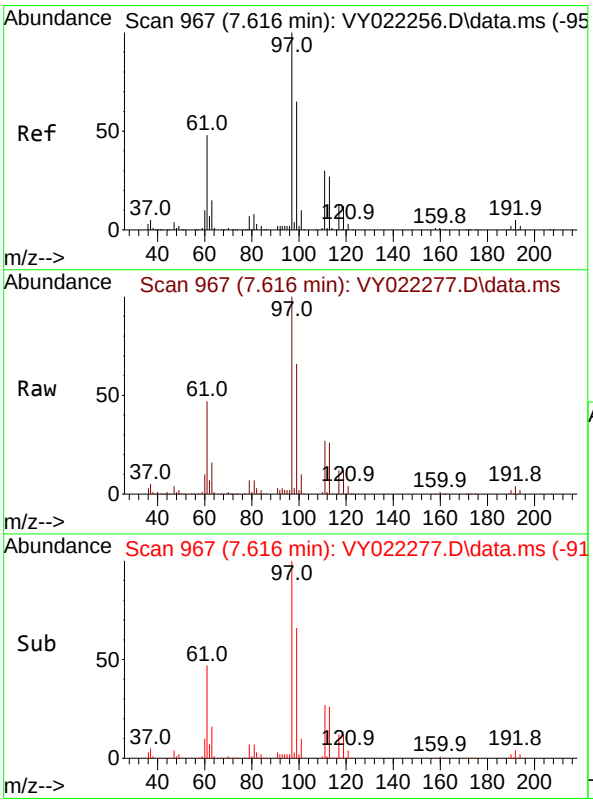
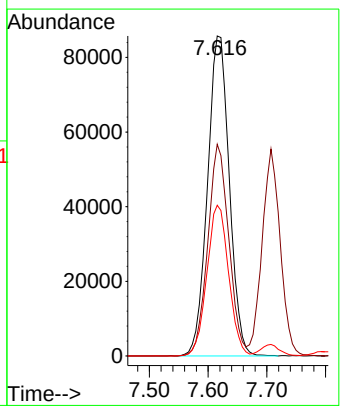
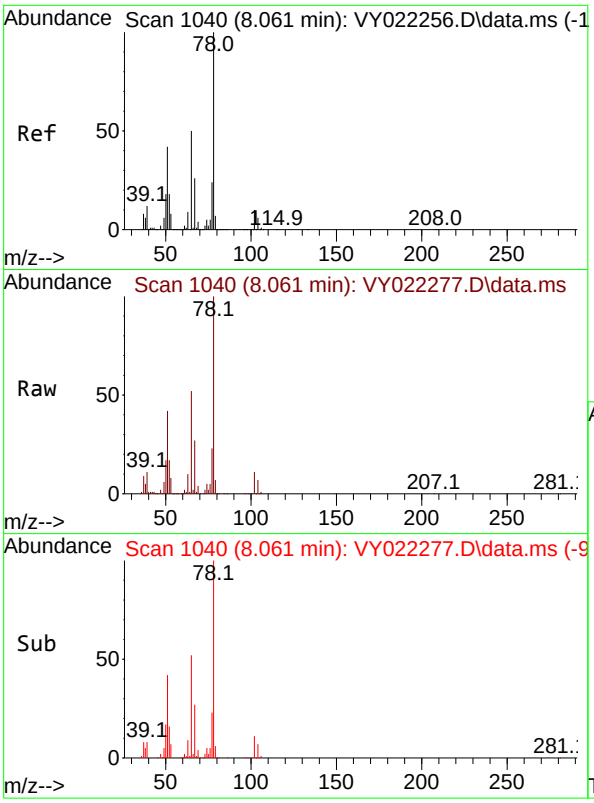


#32
1,1,1-Trichloroethane
Concen: 53.304 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 97 Resp: 221082

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	47.0	38.1	57.1

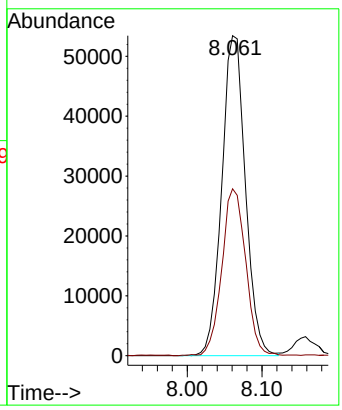




#33
1,2-Dichloroethane-d4
Concen: 50.505 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 65 Resp: 11756

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
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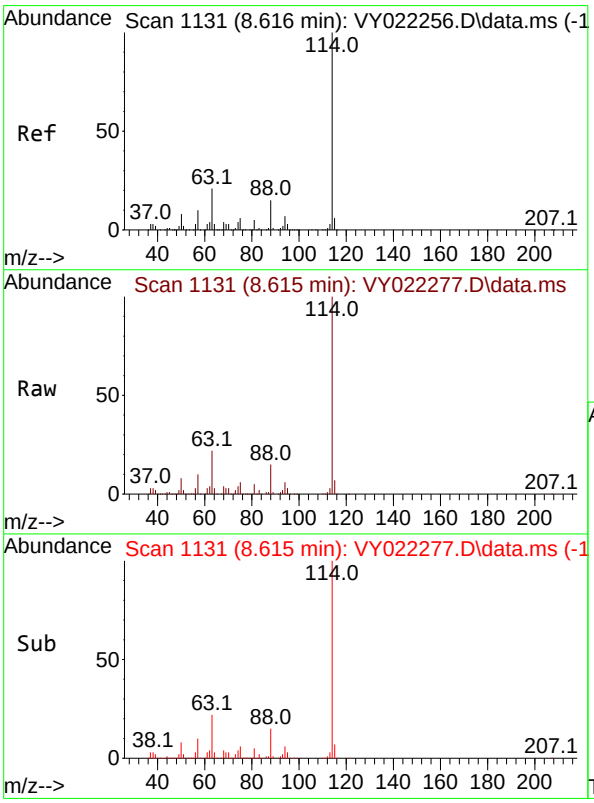
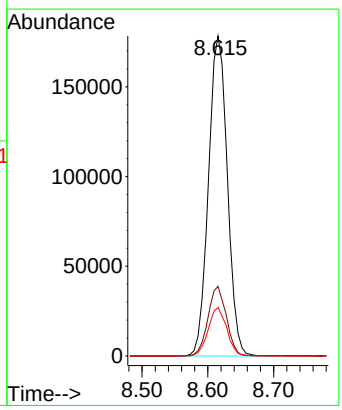
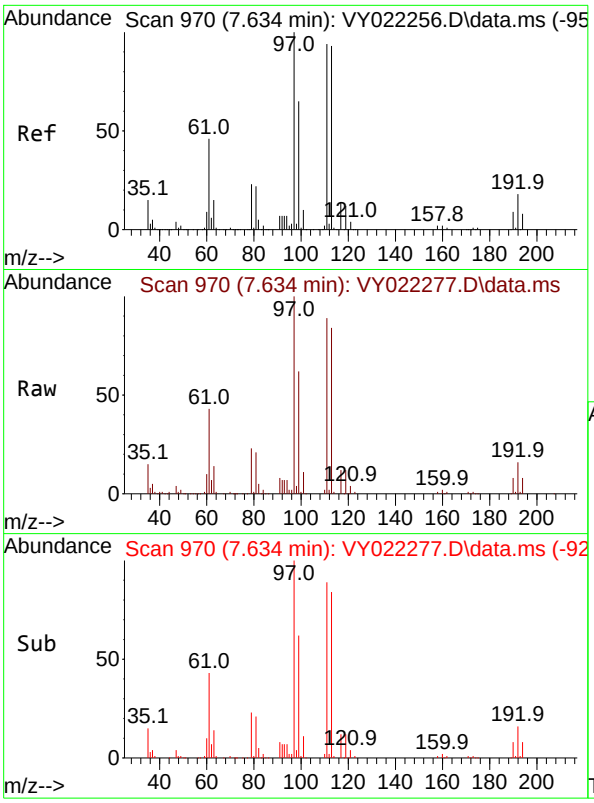


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:114 Resp: 356583

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.0
88	15.1	0.0	29.4

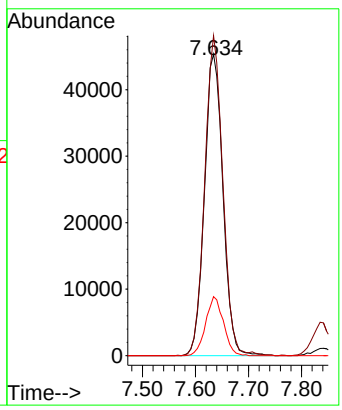




#35
Dibromofluoromethane
Concen: 51.525 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:113 Resp: 10966

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	18.9	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
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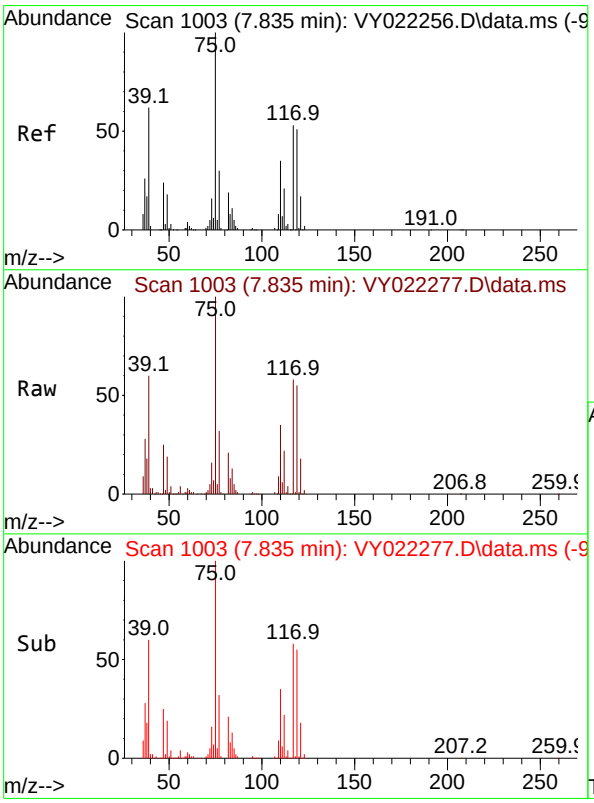
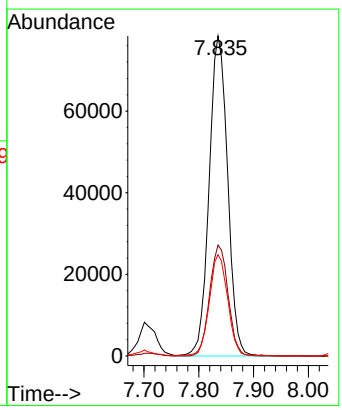
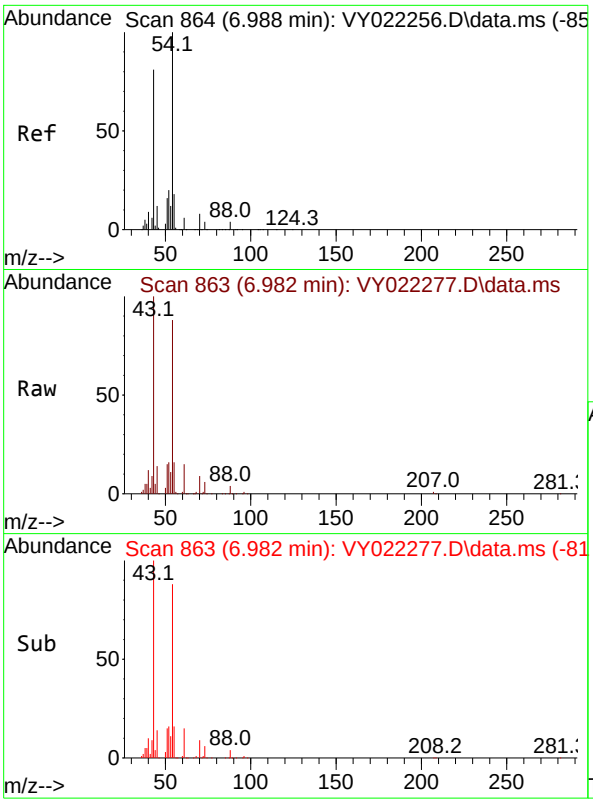


#36
1,1-Dichloropropene
Concen: 52.341 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 183482

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.6	49.8
77	31.6	24.6	37.0





#37
Ethyl Acetate
Concen: 48.715 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 8216

Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.2
70	9.9	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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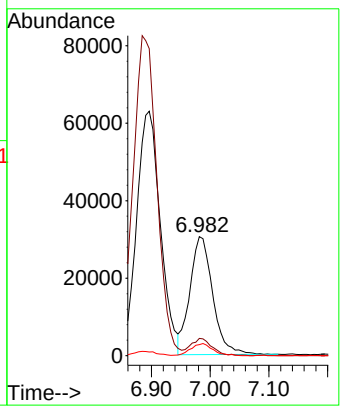
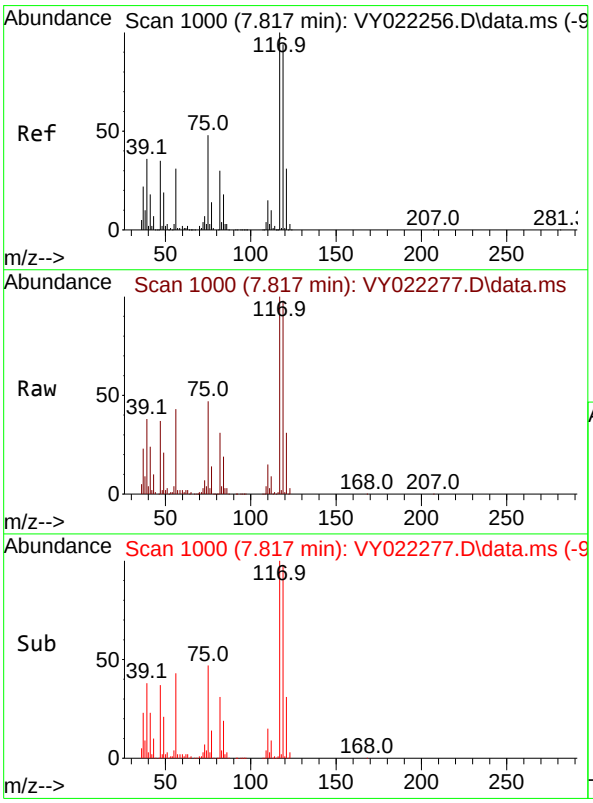
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

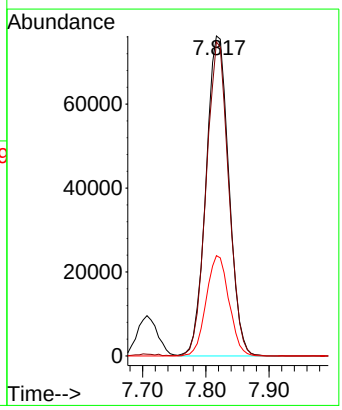


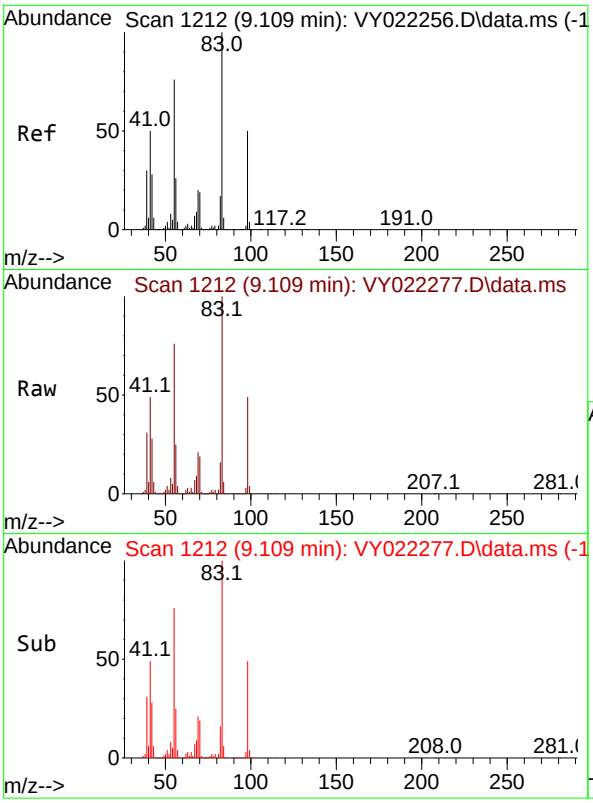


#38
Carbon Tetrachloride
Concen: 52.737 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 191365

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.3	112.9
121	31.4	24.7	37.1





#39
Methylcyclohexane
Concen: 51.496 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 24253

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.6	90.8
98	49.3	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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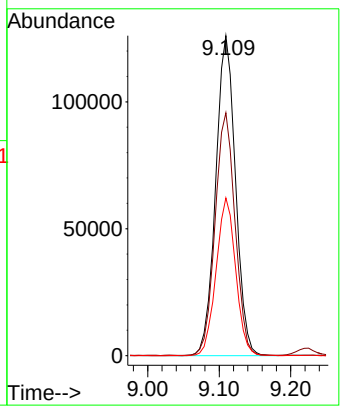
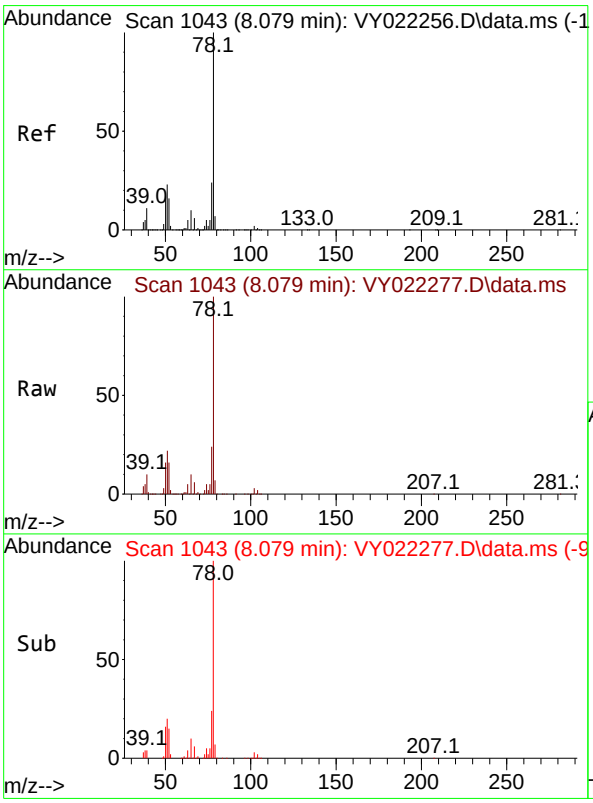
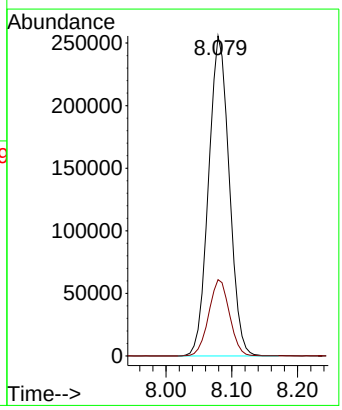


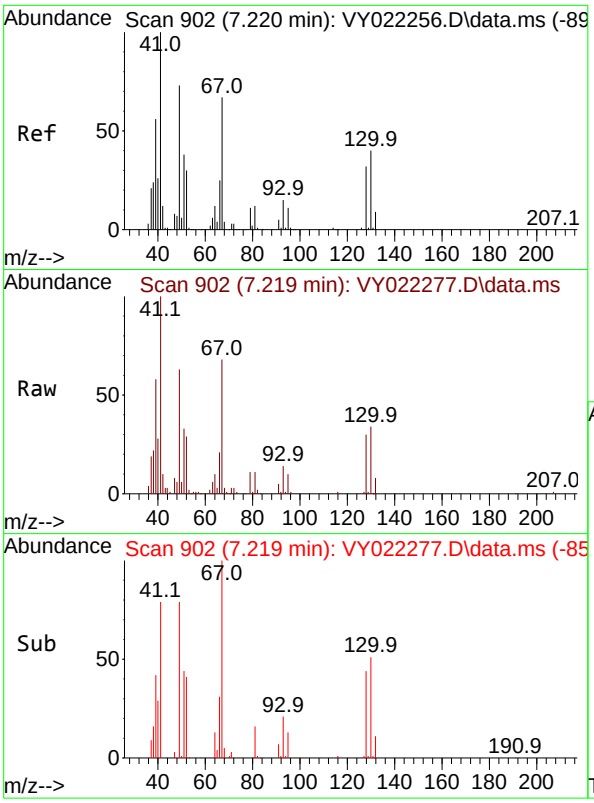


#40
Benzene
Concen: 53.771 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 78 Resp: 558801

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3

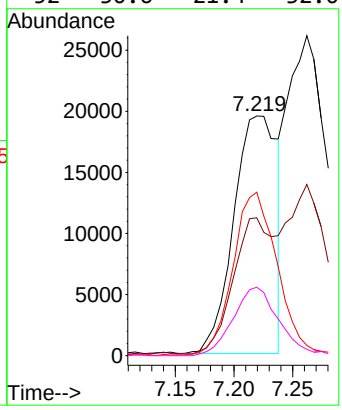




#41
Methacrylonitrile
Concen: 44.718 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 5003

Ion	Ratio	Lower	Upper
41	100		
39	48.9	39.1	58.7
67	71.1	47.1	70.7
52	30.6	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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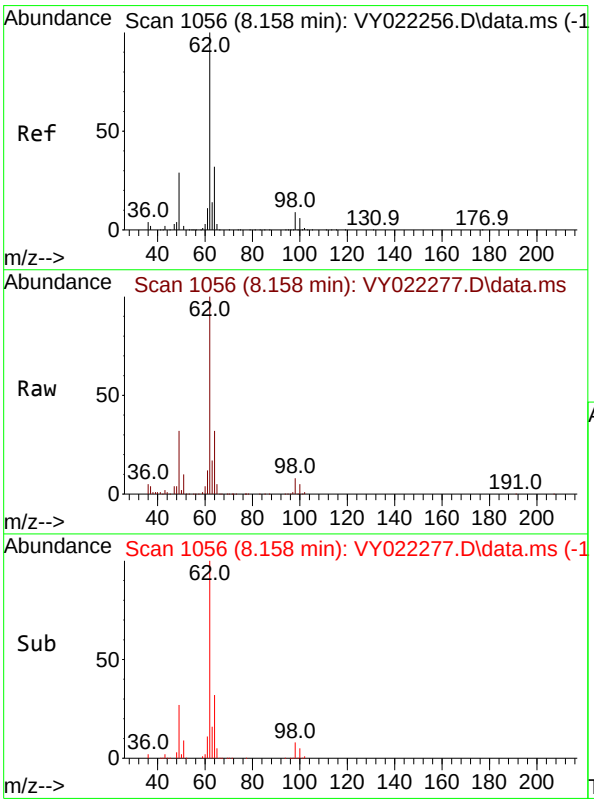
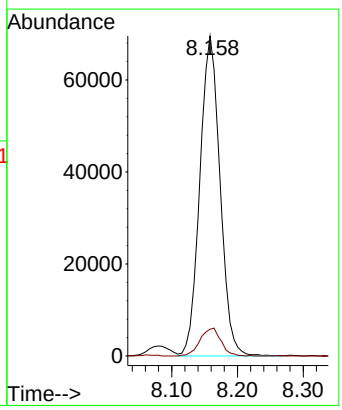
Supervised By :Semsettin Yesilyurt 05/19/2025

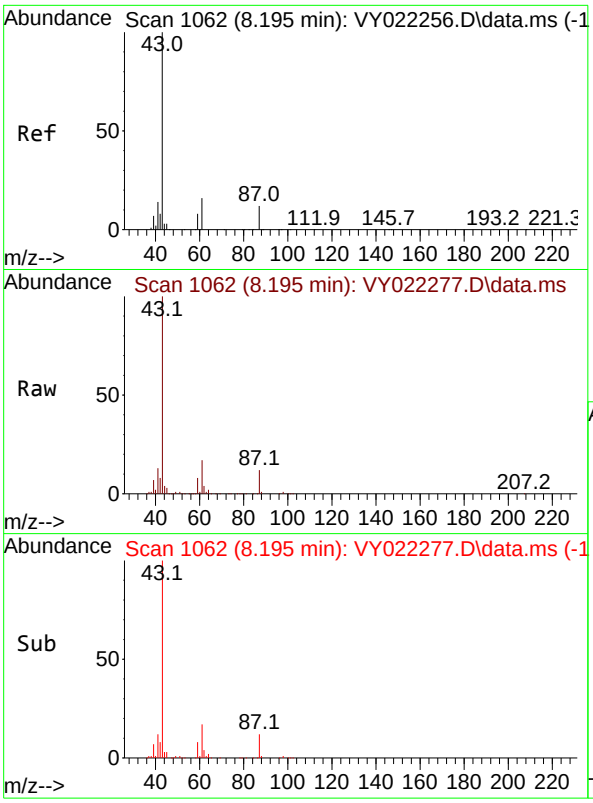


#42
1,2-Dichloroethane
Concen: 52.870 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 62 Resp: 148582

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43
Isopropyl Acetate
Concen: 49.654 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 18265

Ion	Ratio	Lower	Upper
43	100		
61	27.4	15.1	22.7#
87	12.3	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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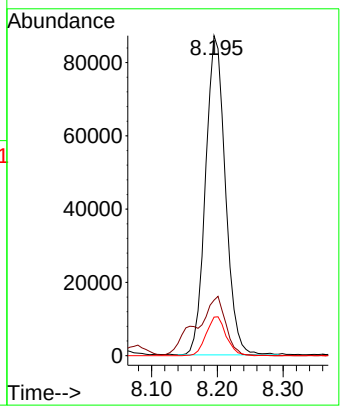
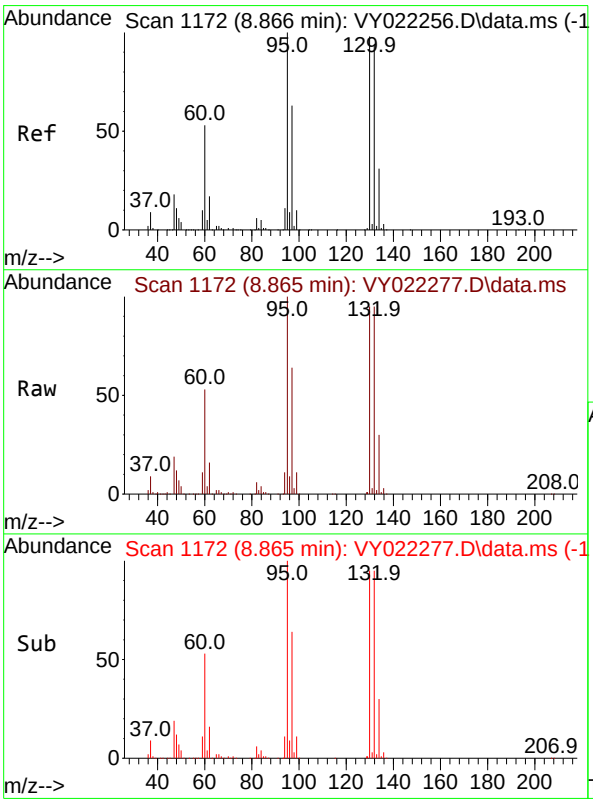
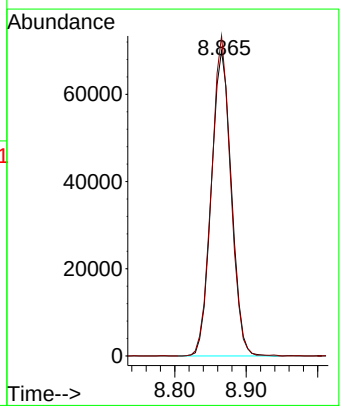


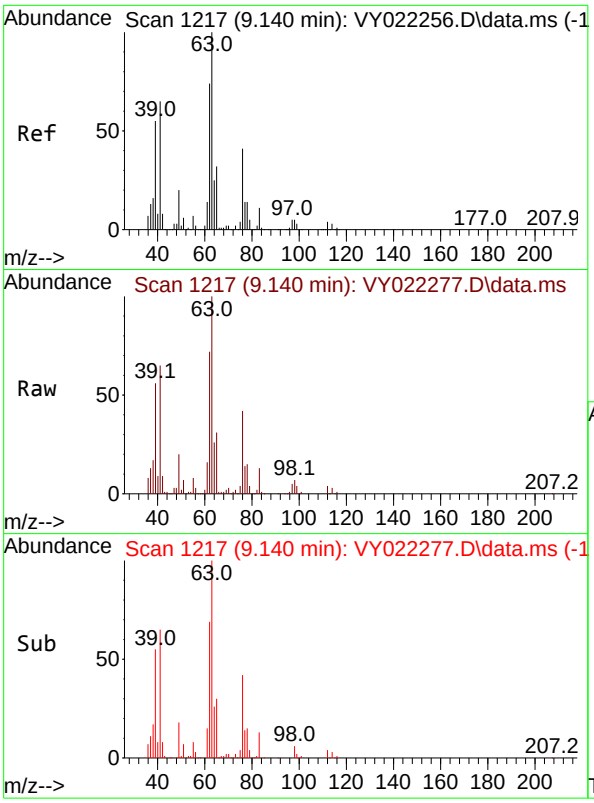


#44
Trichloroethene
Concen: 52.539 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:130 Resp: 135760

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	204.8

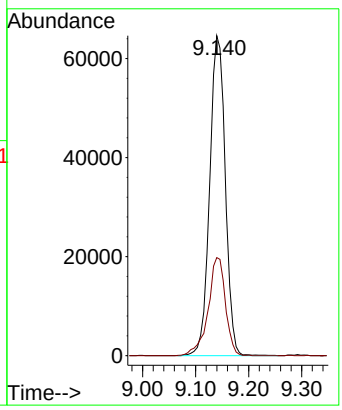




#45
1,2-Dichloropropane
Concen: 52.735 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 63 Resp: 13212

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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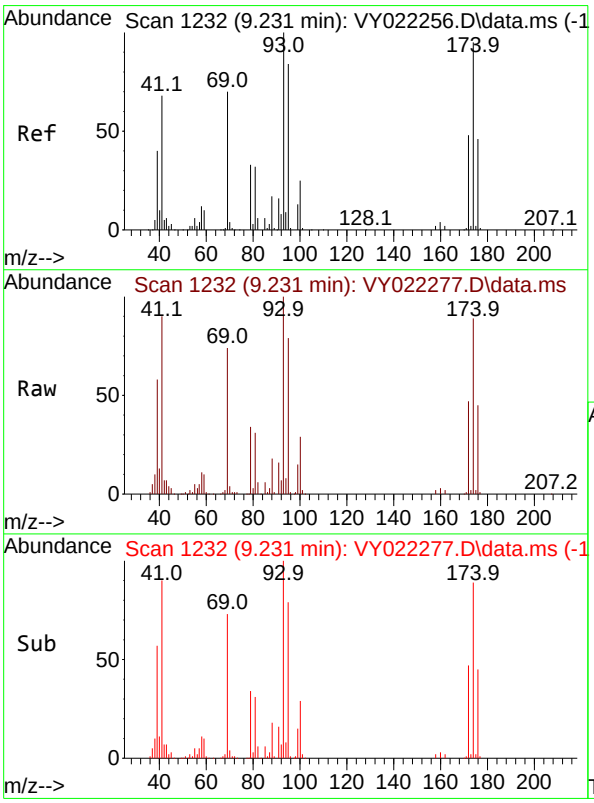
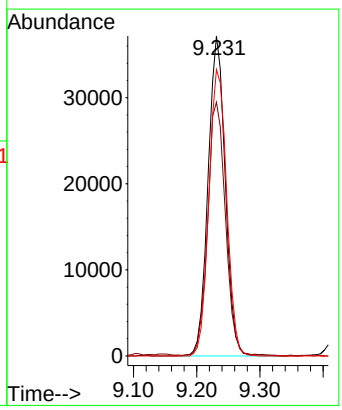
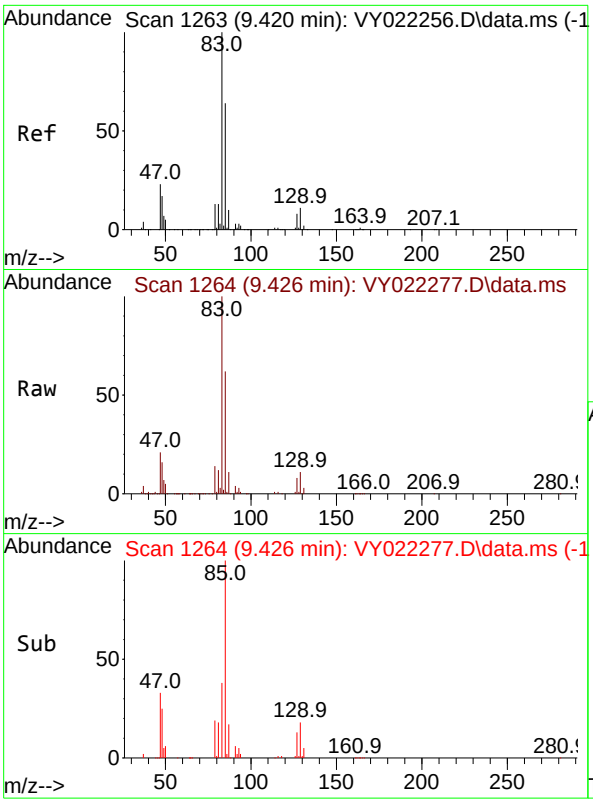


#46
Dibromomethane
Concen: 51.869 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 93 Resp: 70093

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.2	97.8
174	92.2	74.3	111.5

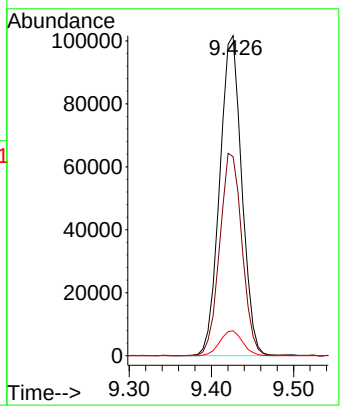




#47
Bromodichloromethane
Concen: 54.169 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 18990

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.1	76.7
127	7.8	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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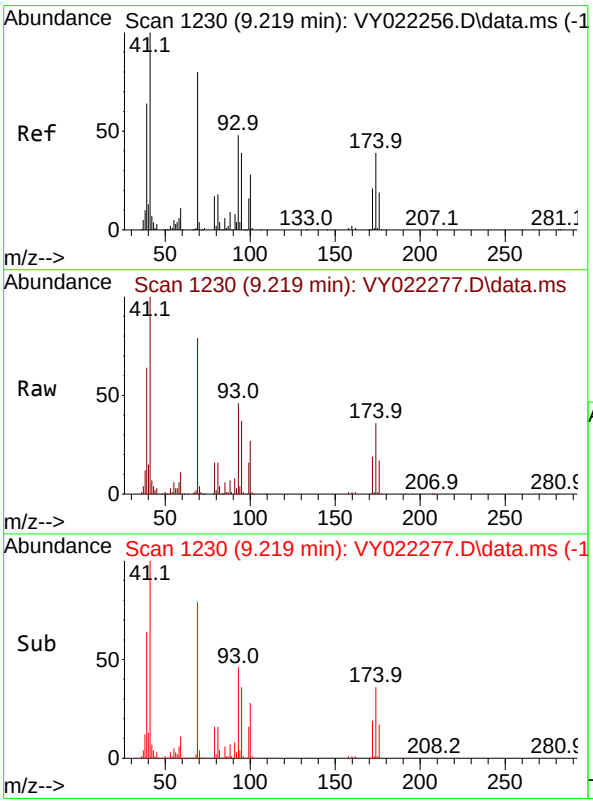
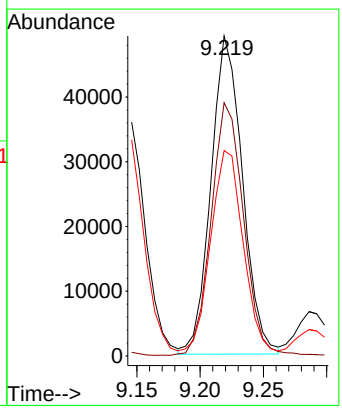
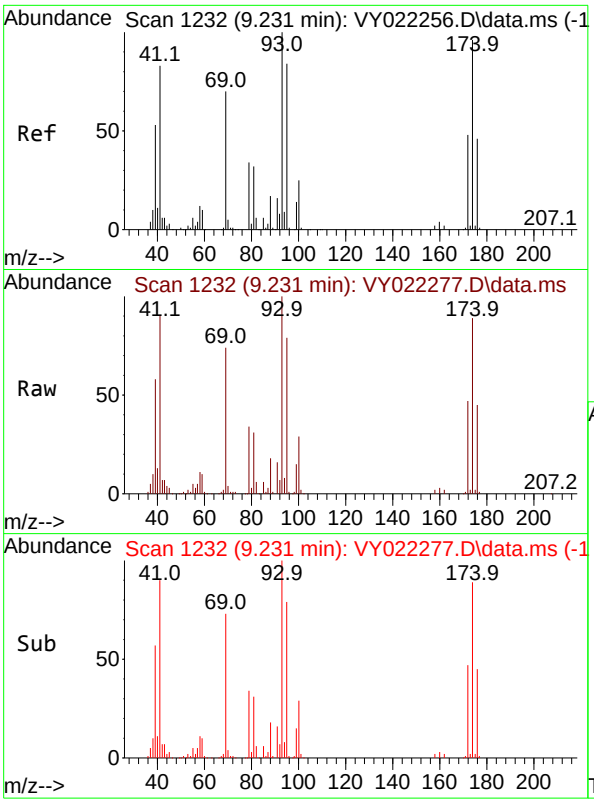


#48
Methyl methacrylate
Concen: 49.534 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 85212

Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.5	95.3
39	64.2	50.8	76.2

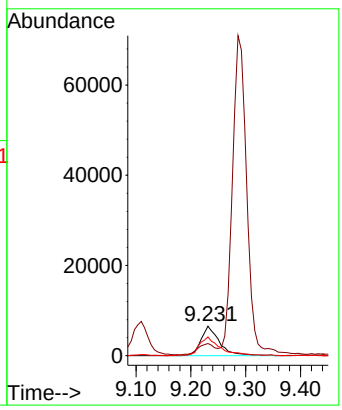




#49
1,4-Dioxane
Concen: 1001.752 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 88 Resp: 1529

Ion	Ratio	Lower	Upper
88	100		
43	35.1	28.5	42.7
58	71.0	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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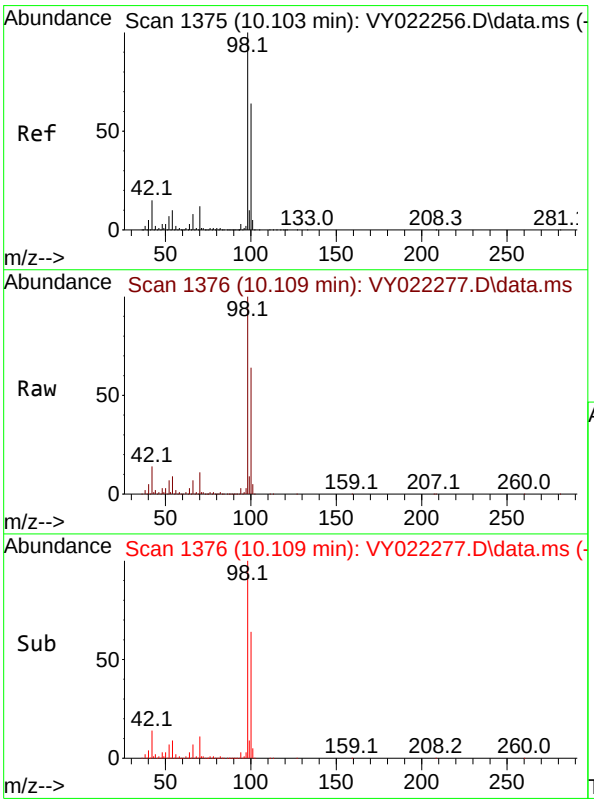
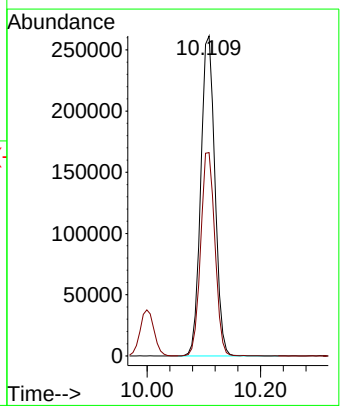
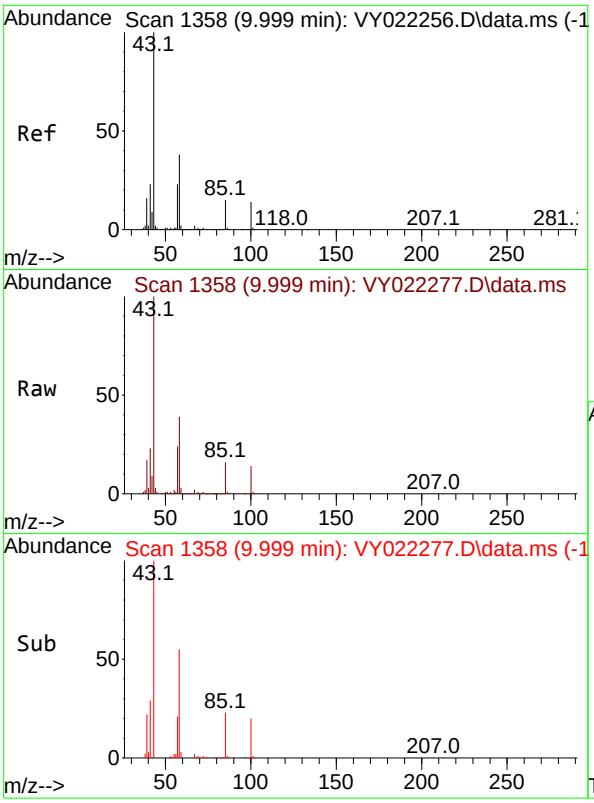


#50
Toluene-d8
Concen: 51.731 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 98 Resp: 450916

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8

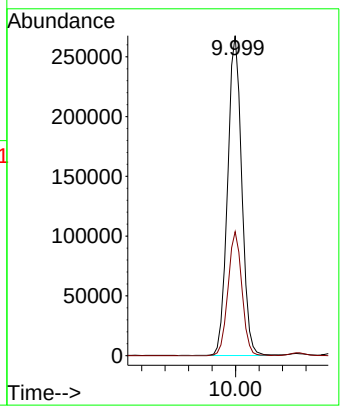




#51
4-Methyl-2-Pentanone
Concen: 247.383 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 44650

Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
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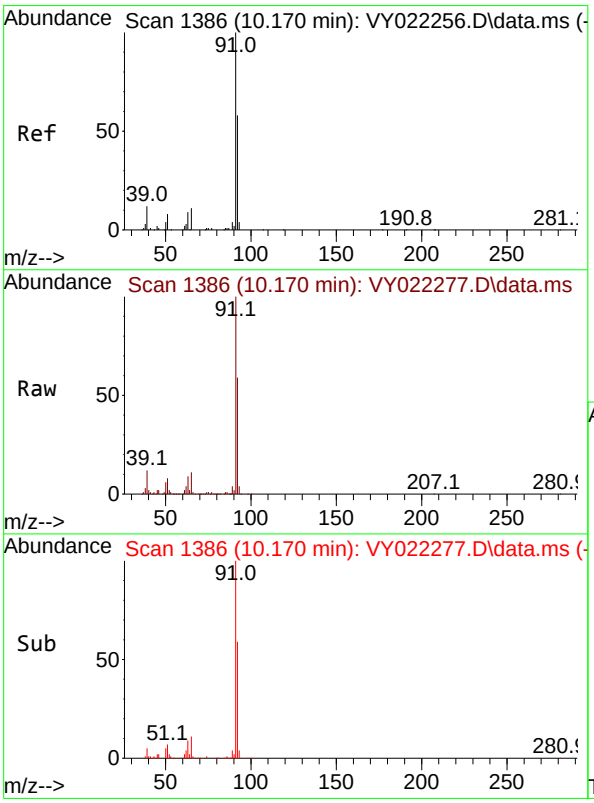
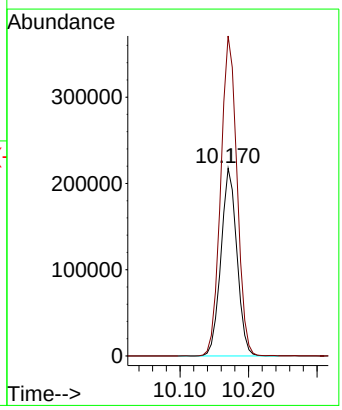
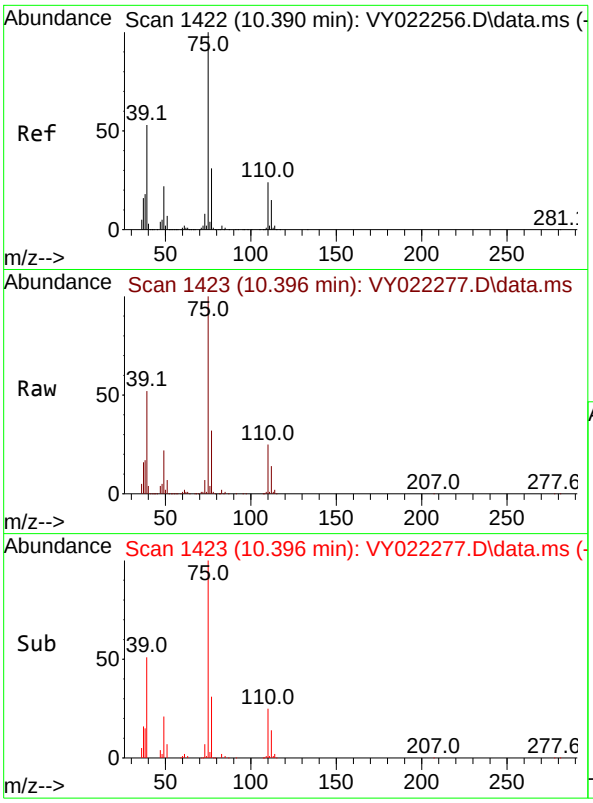


#52
Toluene
Concen: 53.192 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 92 Resp: 350043

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.1	208.7

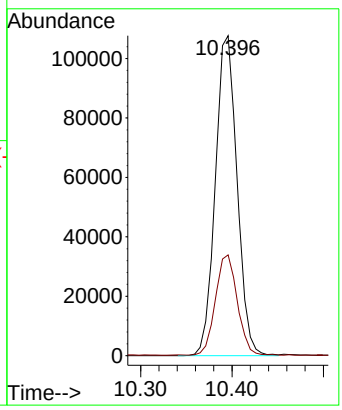




#53
t-1,3-Dichloropropene
Concen: 52.062 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 17812

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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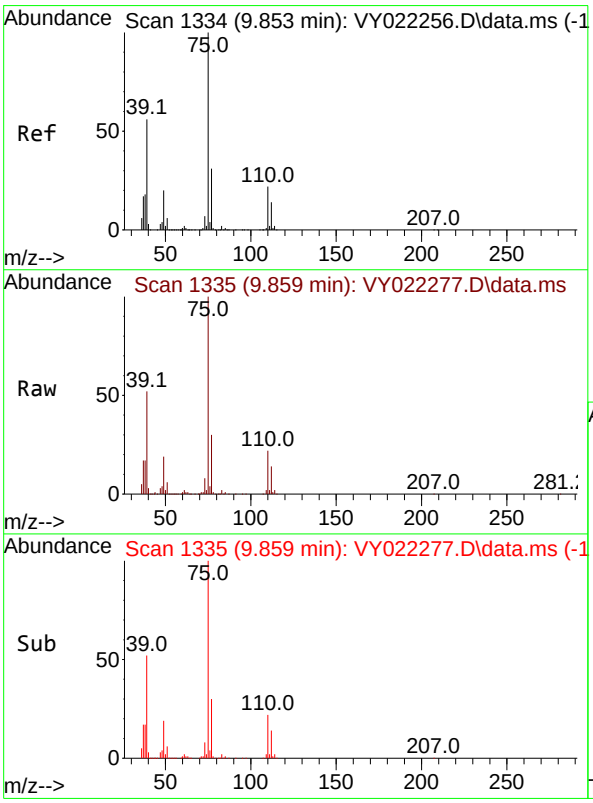
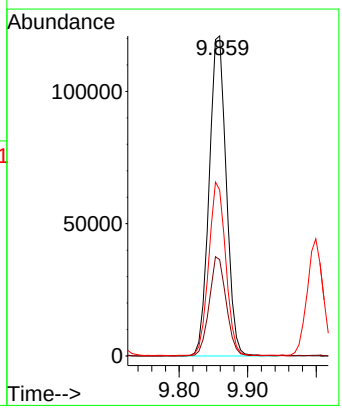
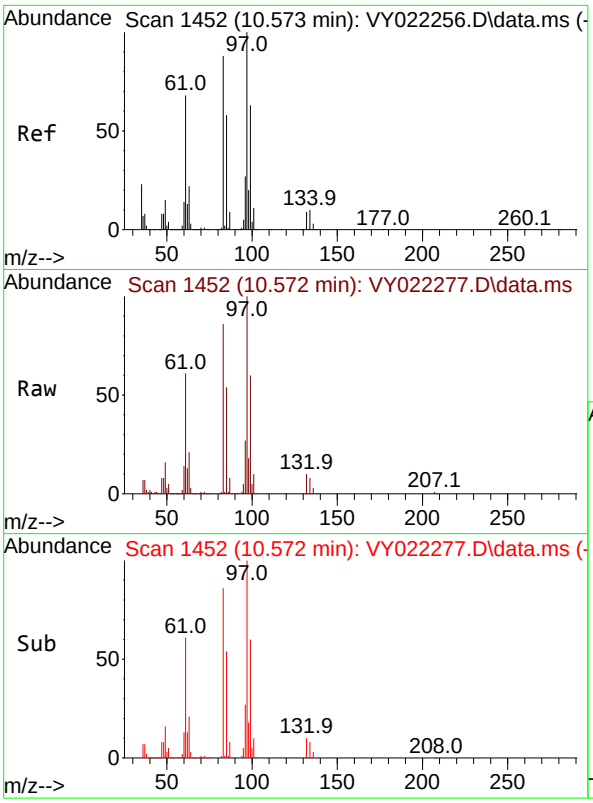


#54
cis-1,3-Dichloropropene
Concen: 53.441 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 209477

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7
39	51.7	44.5	66.7

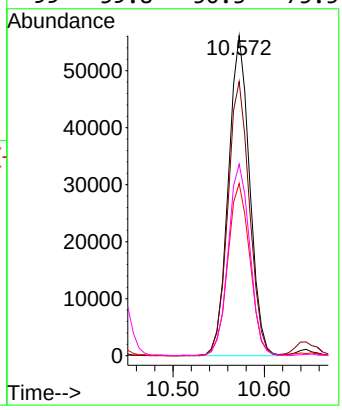




#55
1,1,2-Trichloroethane
Concen: 52.364 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 97 Resp: 9061

Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.3	105.5
85	53.8	46.2	69.4
99	59.8	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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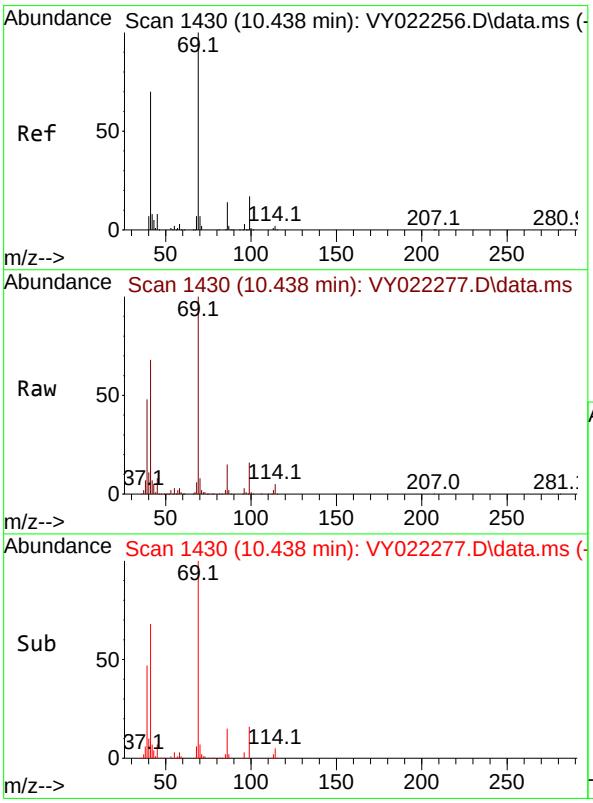
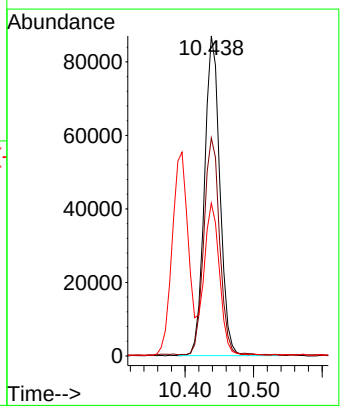
Supervised By :Semsettin Yesilyurt 05/19/2025

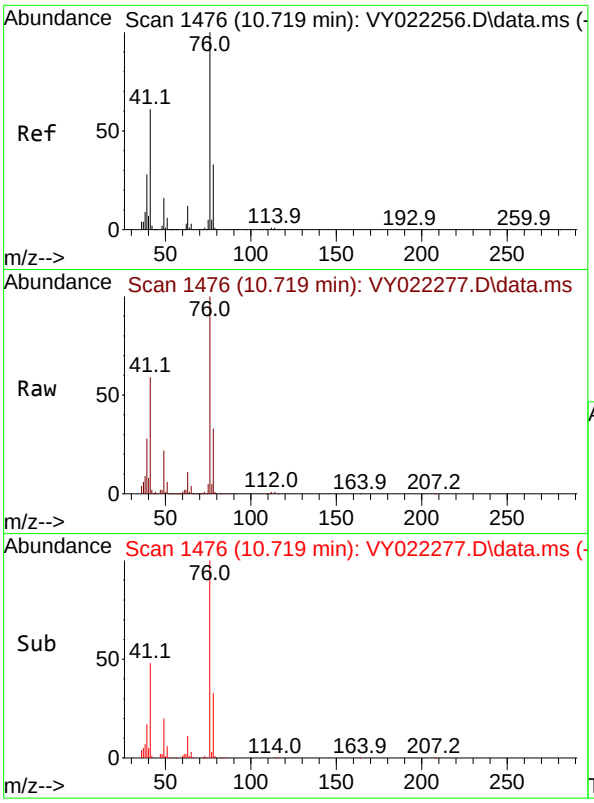


#56
Ethyl methacrylate
Concen: 50.626 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 69 Resp: 136463

Ion	Ratio	Lower	Upper
69	100		
41	68.9	56.5	84.7
39	47.8	37.1	55.7





#57
1,3-Dichloropropane
Concen: 52.534 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 76 Resp: 16152

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
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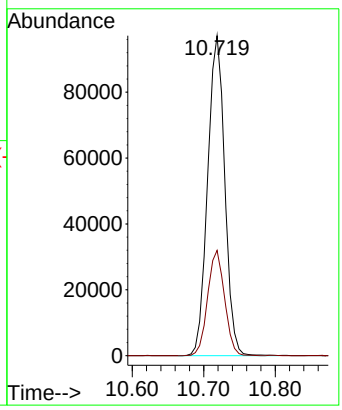
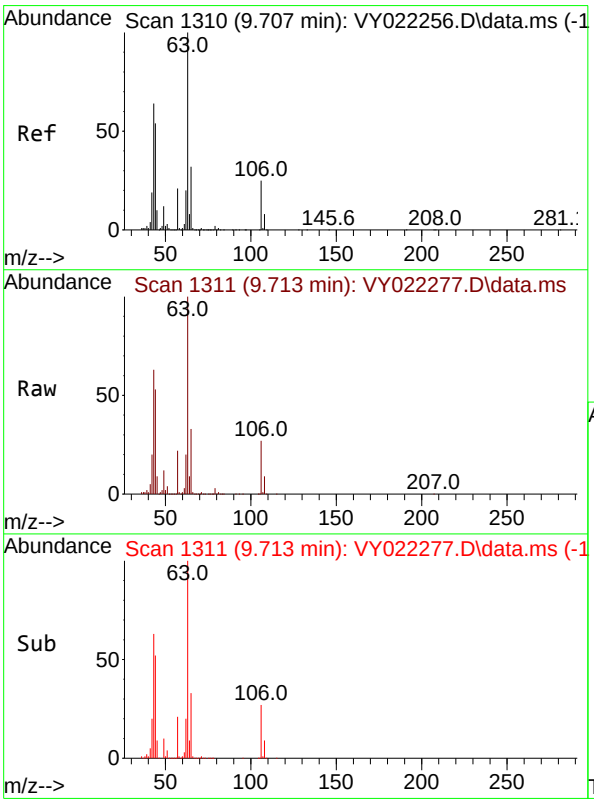
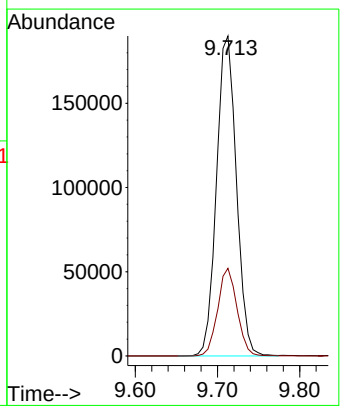


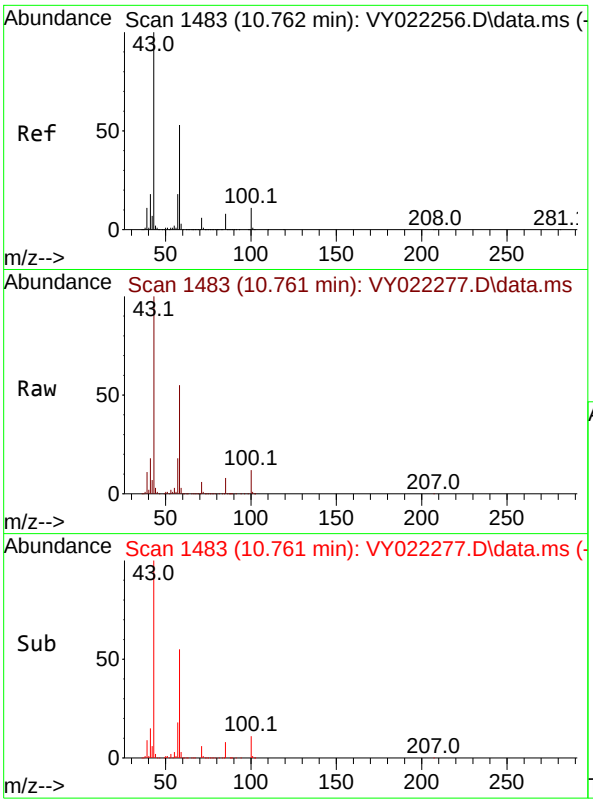


#58
2-Chloroethyl Vinyl ether
Concen: 263.967 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 63 Resp: 319368

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.4





#59
2-Hexanone
Concen: 243.243 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 29436

Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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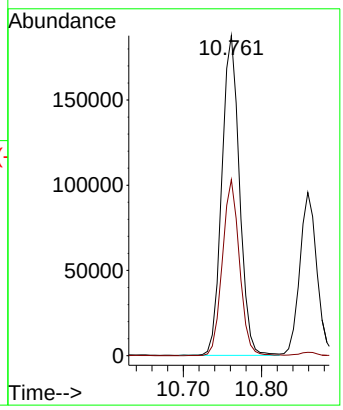
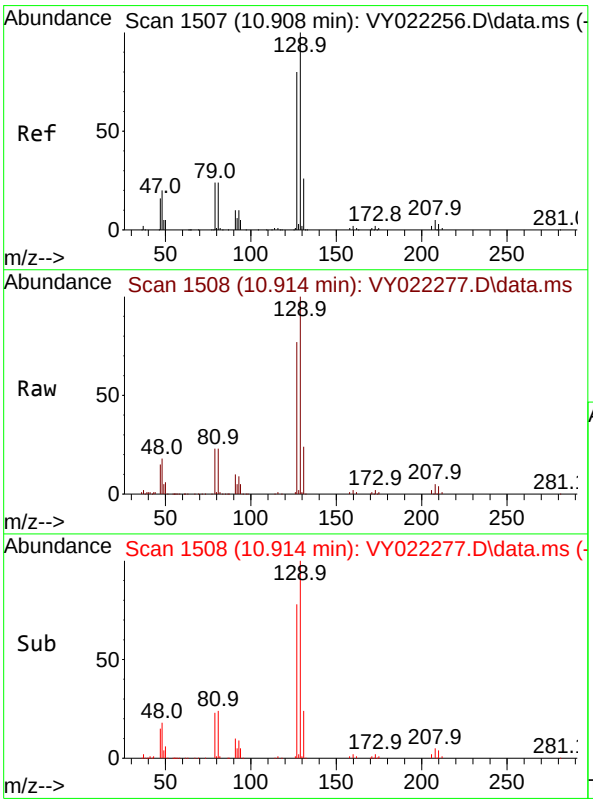
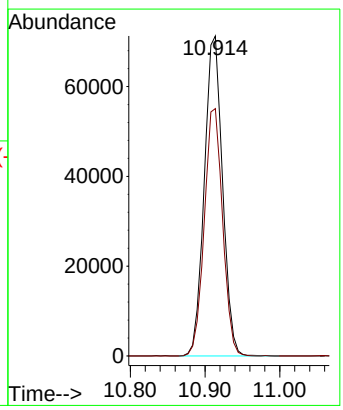


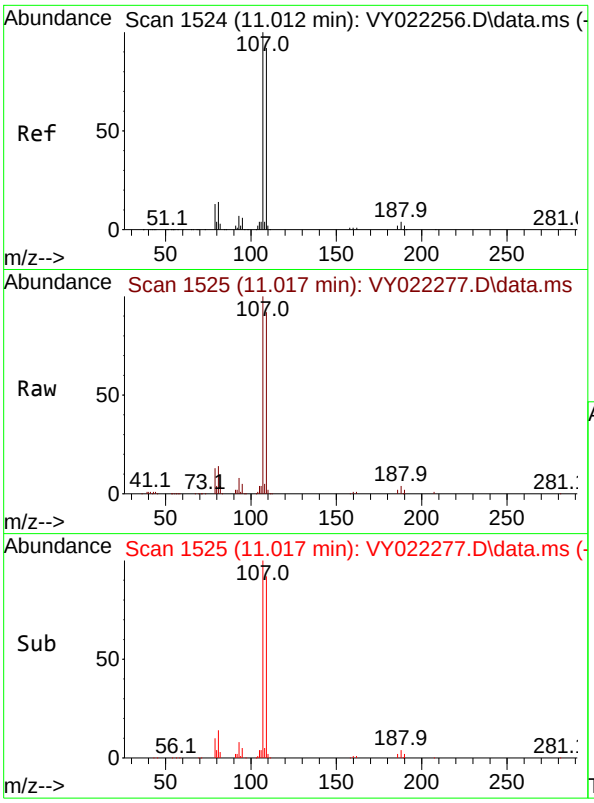


#60
Dibromochloromethane
Concen: 53.672 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:129 Resp: 120550

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7

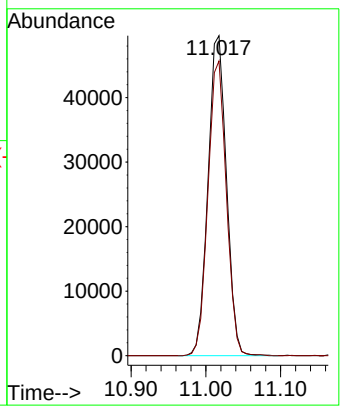




#61
1,2-Dibromoethane
Concen: 52.685 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:107 Resp: 8497

Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.6	111.8



Instrument :
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ClientSampleId :
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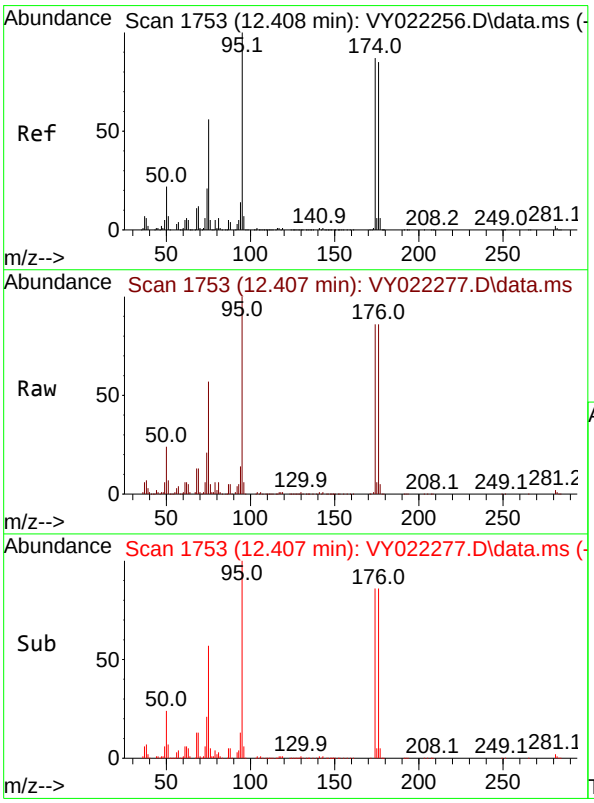
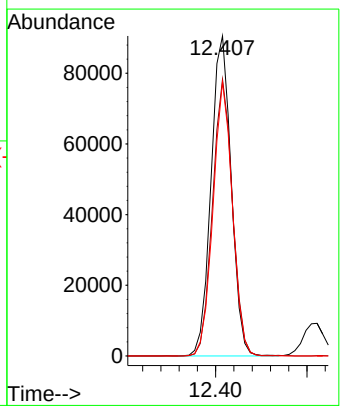
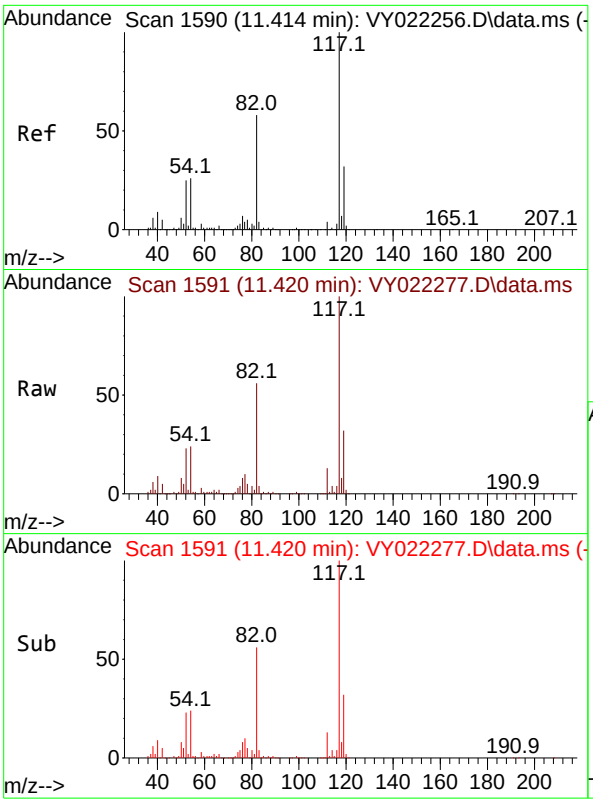


#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 95 Resp: 138475

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	166.8
176	82.6	0.0	160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 30582

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.6	70.0
119	32.1	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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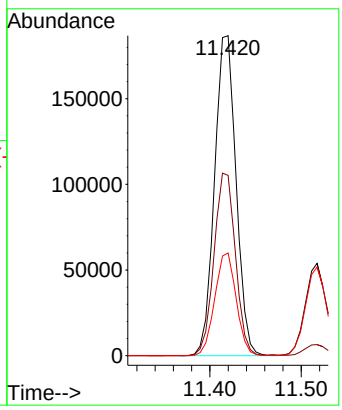
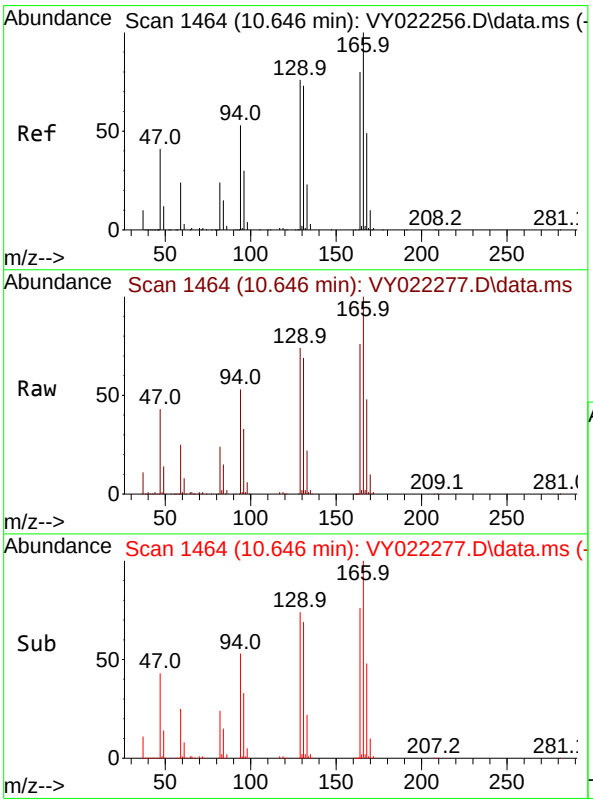
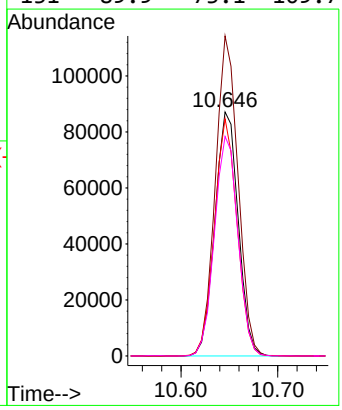


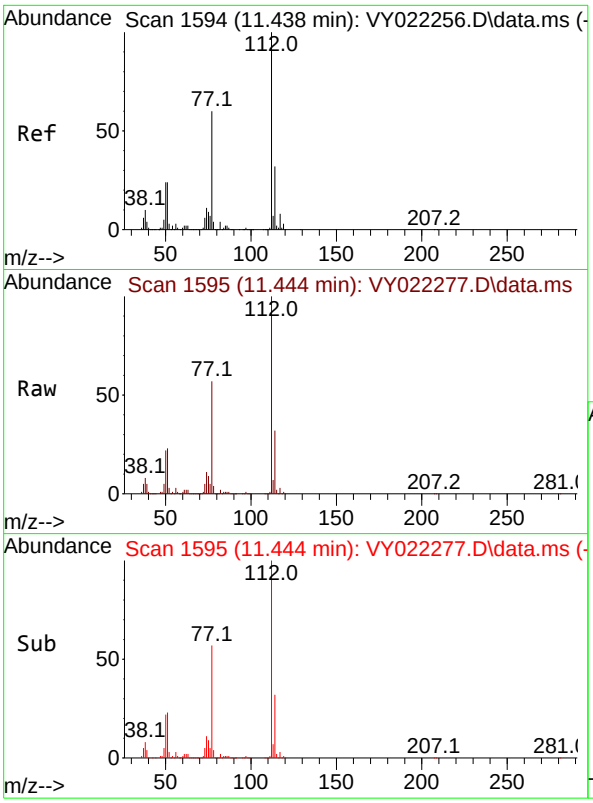


#64
Tetrachloroethene
Concen: 51.645 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:164 Resp: 145990

Ion	Ratio	Lower	Upper
164	100		
166	131.1	100.4	150.6
129	97.2	76.4	114.6
131	89.9	73.1	109.7

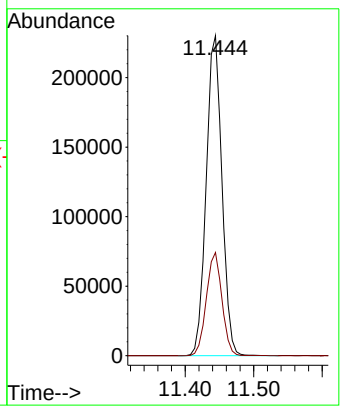




#65
Chlorobenzene
Concen: 53.191 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:112 Resp: 36700

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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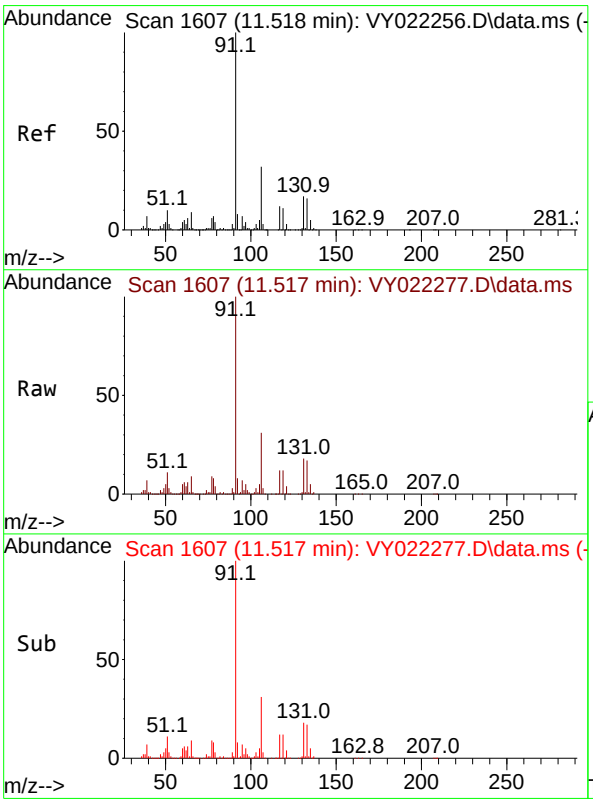
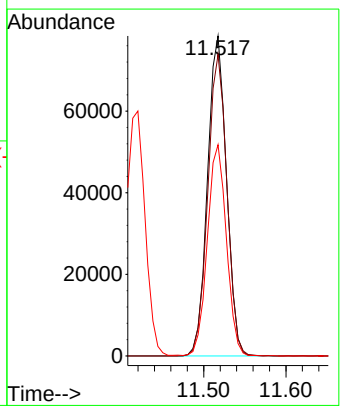
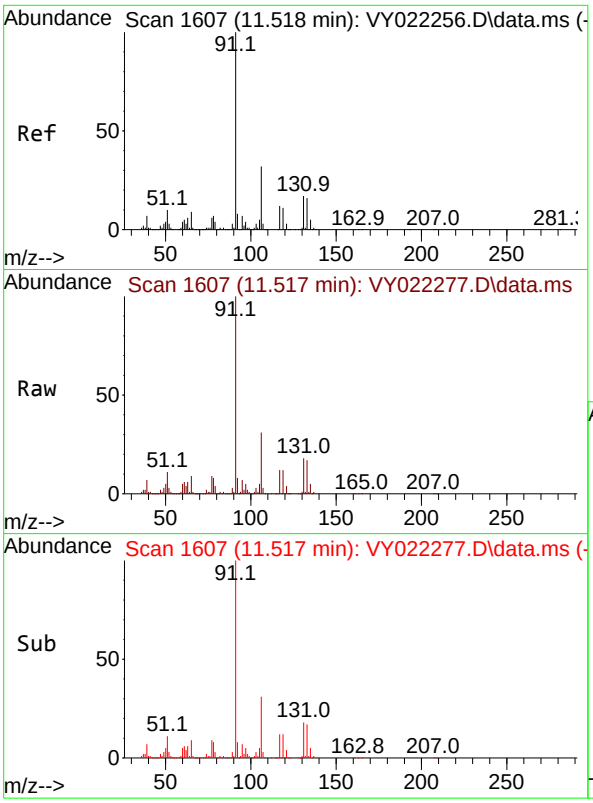


#66
1,1,1,2-Tetrachloroethane
Concen: 52.937 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:131 Resp: 125569

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	66.5	33.1	99.2

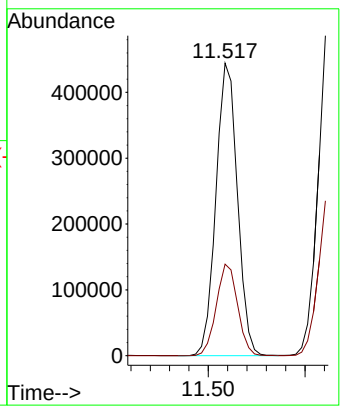




#67
Ethyl Benzene
Concen: 52.887 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 68340

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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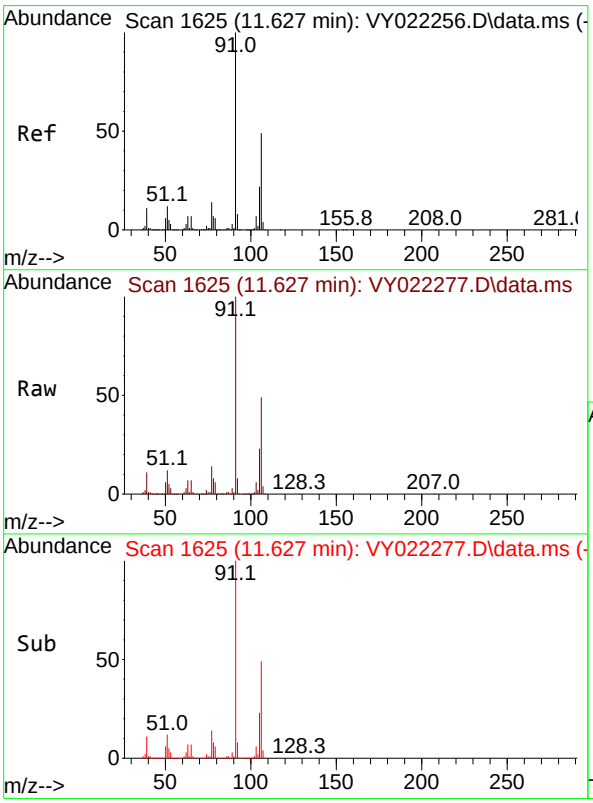
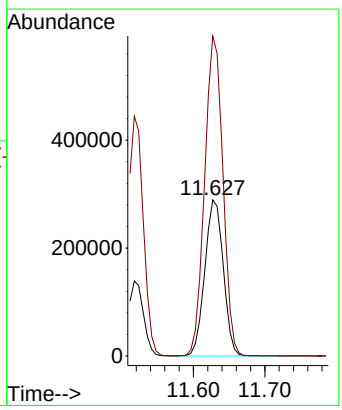
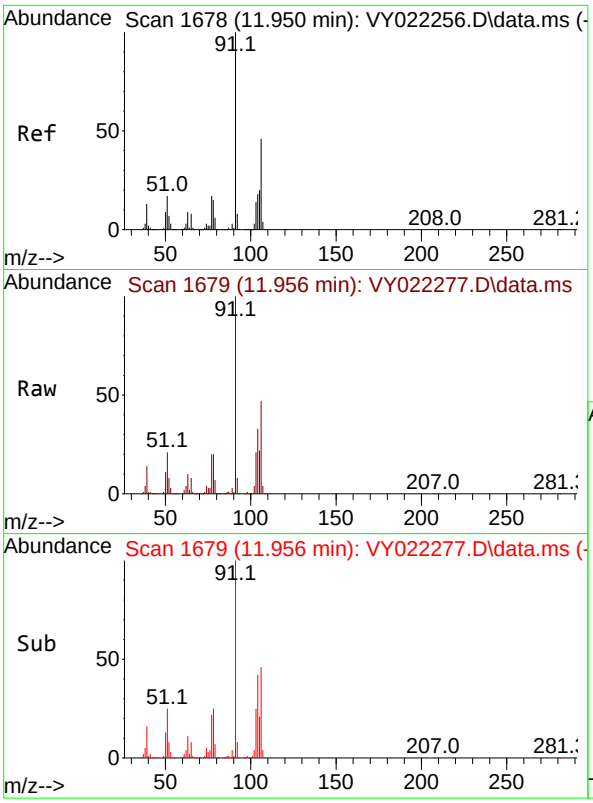


#68
m/p-Xylenes
Concen: 106.465 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:106 Resp: 518397

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.0	244.4

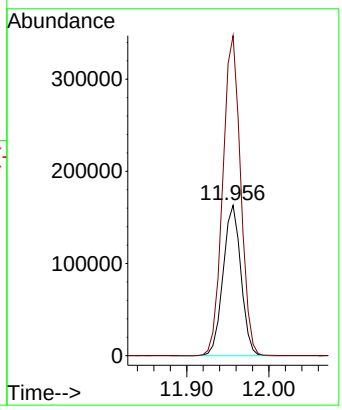




#69
o-Xylene
Concen: 53.401 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:106 Resp: 24601

Ion	Ratio	Lower	Upper
106	100		
91	213.4	108.3	324.8



Instrument :
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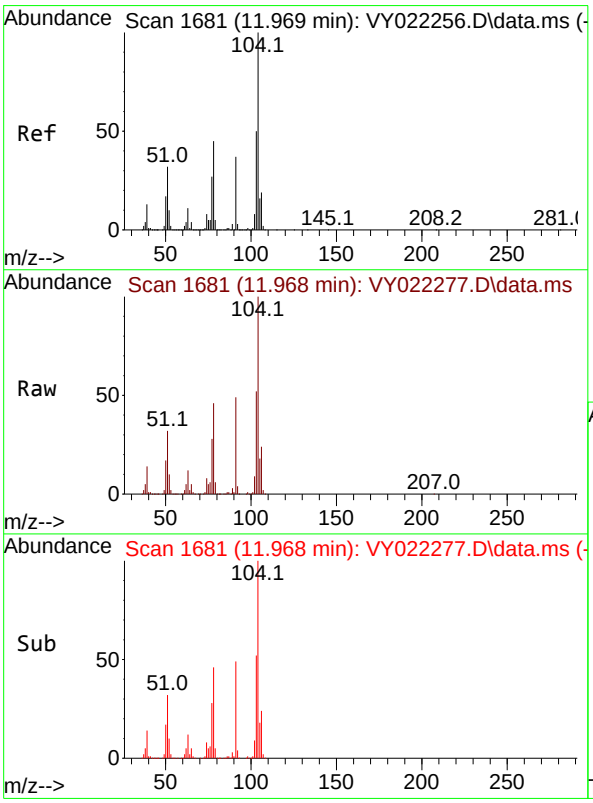
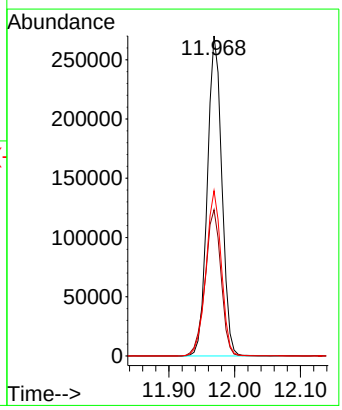
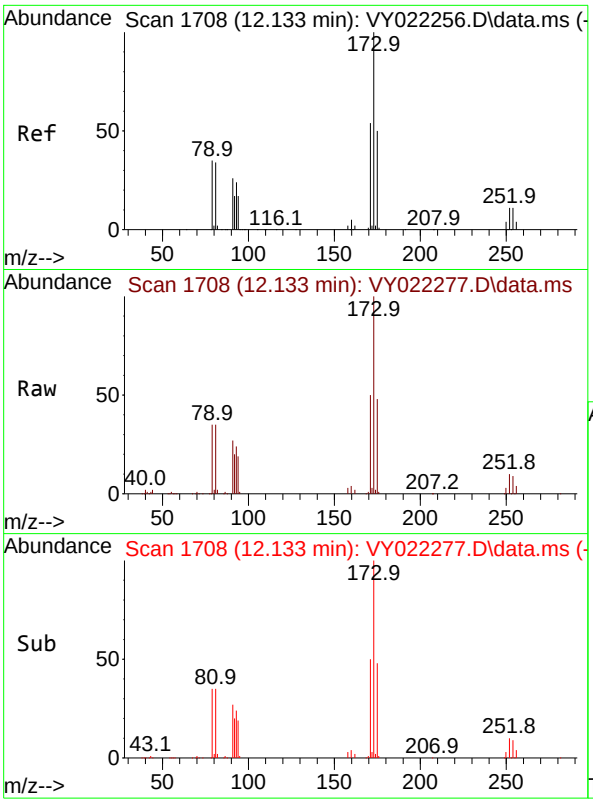


#70
Styrene
Concen: 53.337 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:104 Resp: 414482

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.9	61.3
103	54.7	43.7	65.5

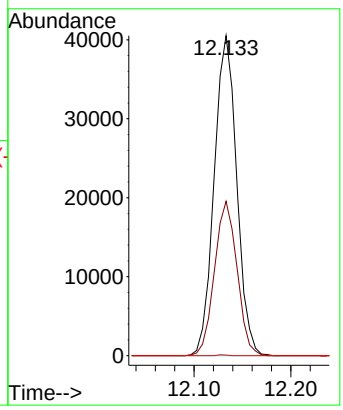




#71
Bromoform
Concen: 51.173 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:173 Resp: 6551

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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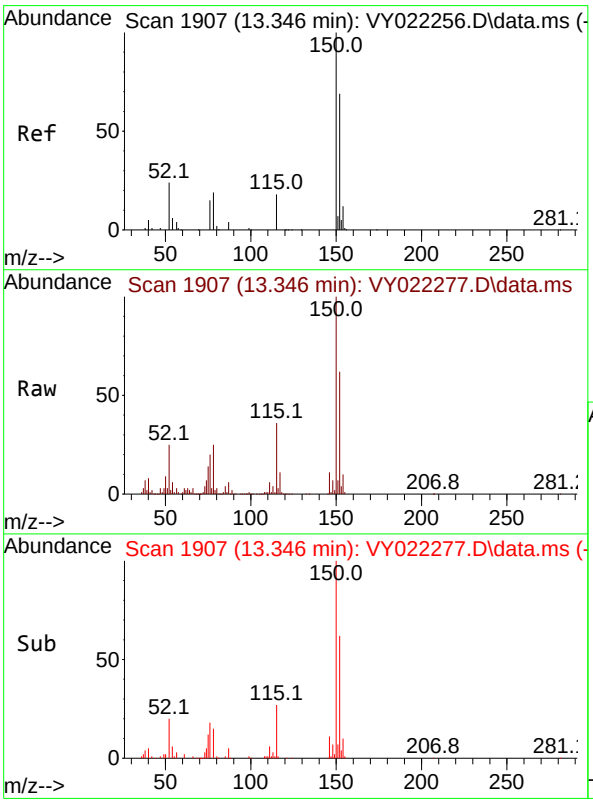
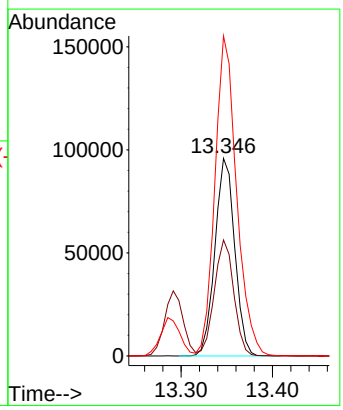
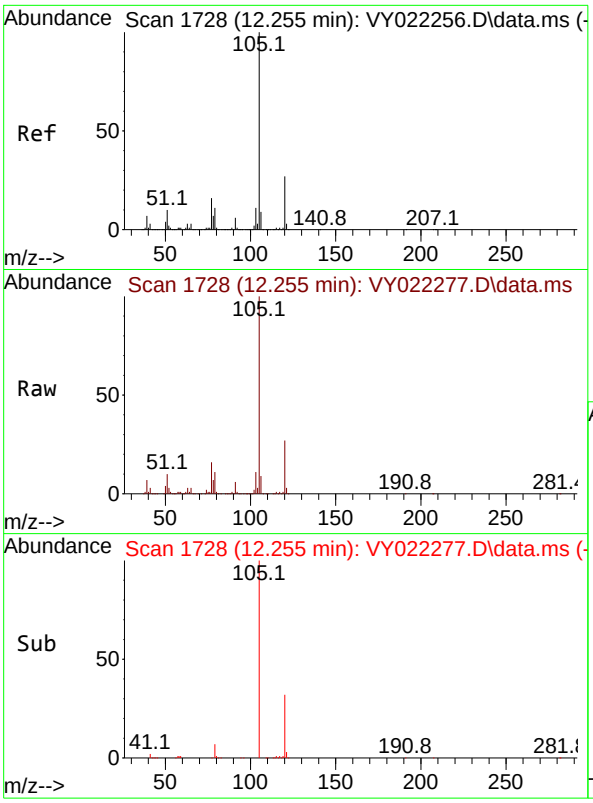


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:152 Resp: 144477

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.2
150	177.2	0.0	353.8

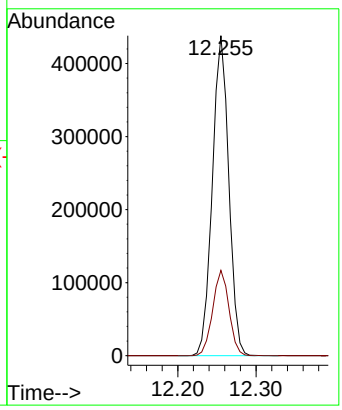




#73
Isopropylbenzene
Concen: 53.338 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 63841

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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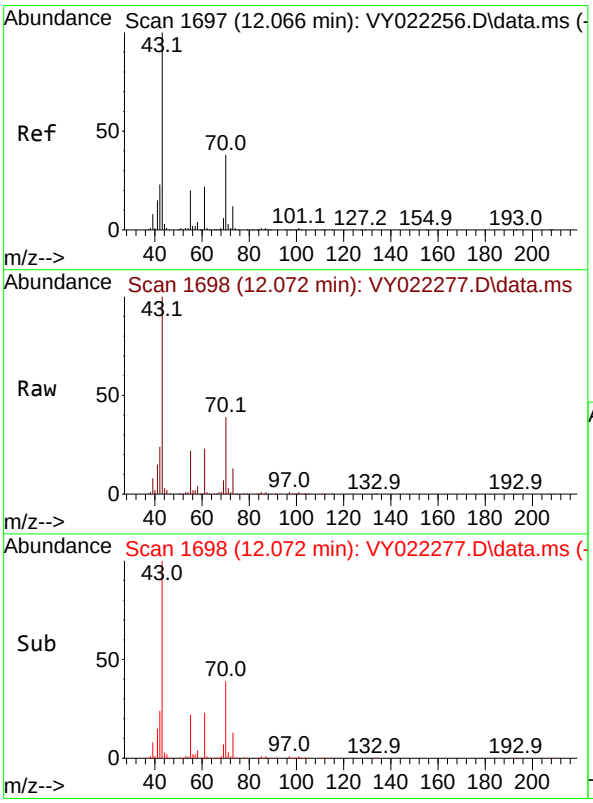
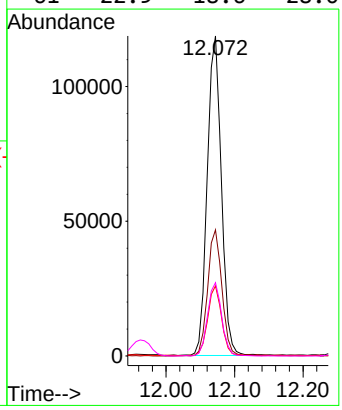
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

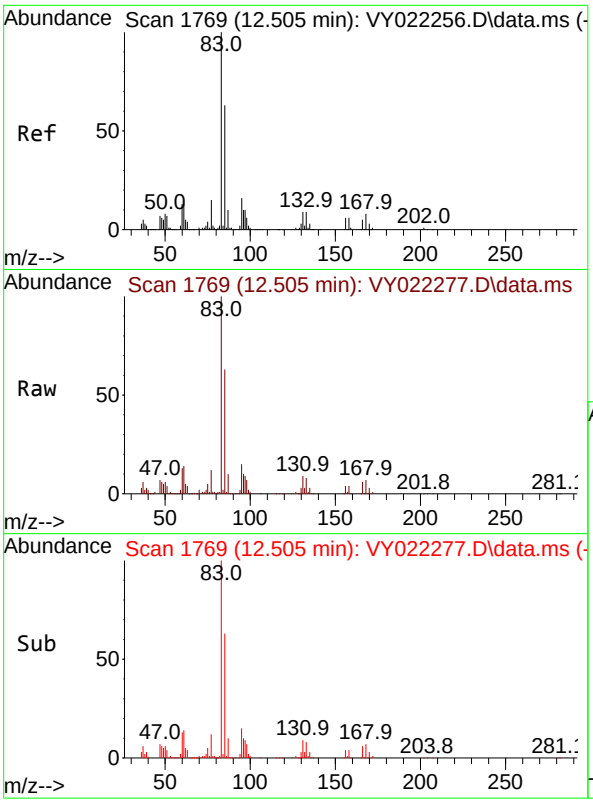


#74
N-amyl acetate
Concen: 49.797 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 170468

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.4	47.0
55	21.3	17.0	25.6
61	22.9	18.6	28.0

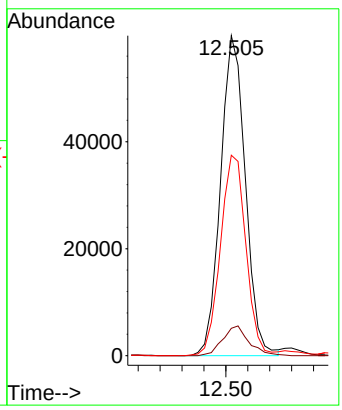




#75
1,1,2,2-Tetrachloroethane
Concen: 51.057 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 9398

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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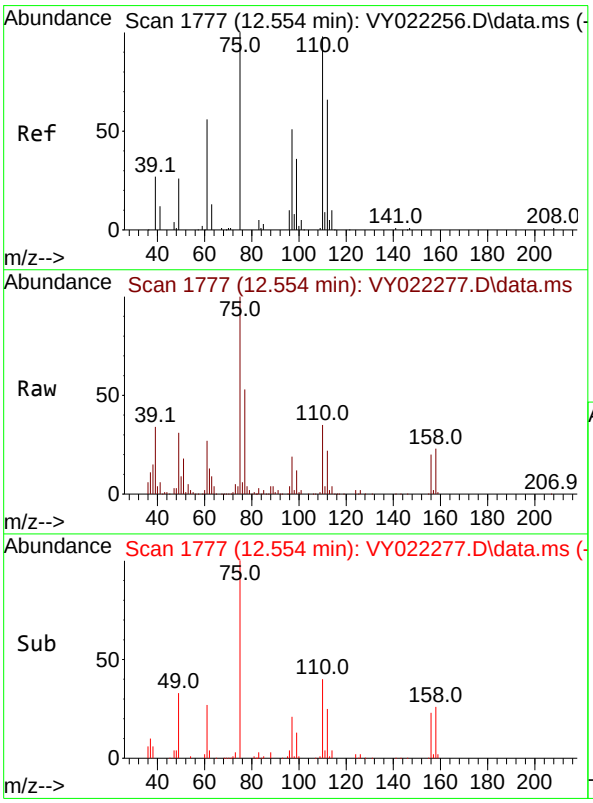
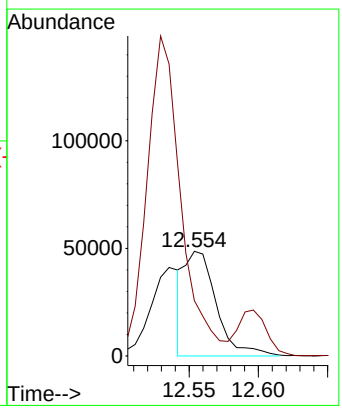
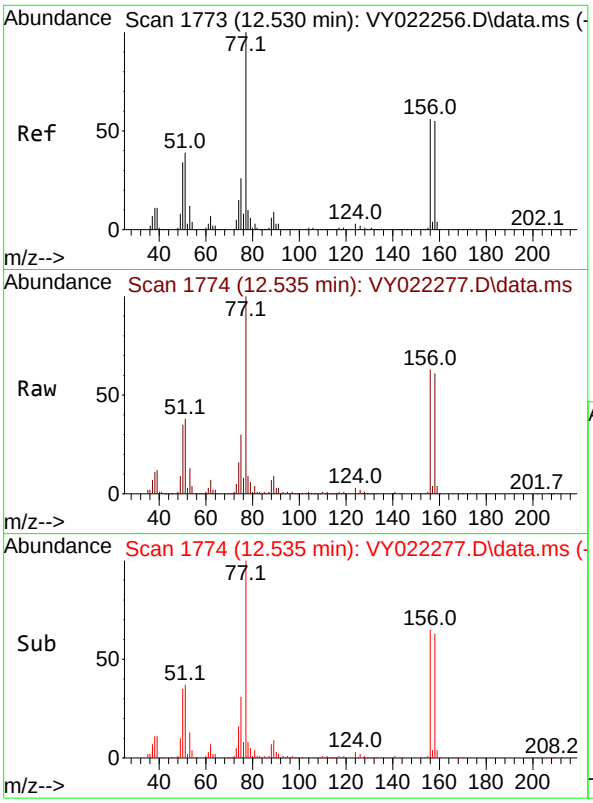


#76
1,2,3-Trichloropropane
Concen: 53.312 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 78033

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

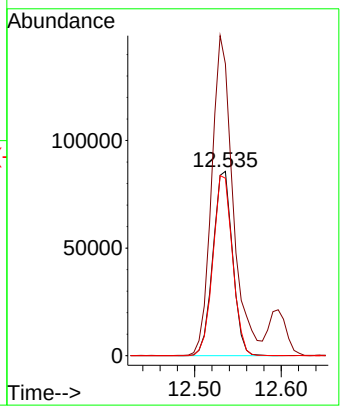




#77
Bromobenzene
Concen: 52.632 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:156 Resp: 13454

Ion	Ratio	Lower	Upper
156	100		
77	189.6	94.5	283.6
158	97.9	48.4	145.3



Instrument :
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ClientSampleId :
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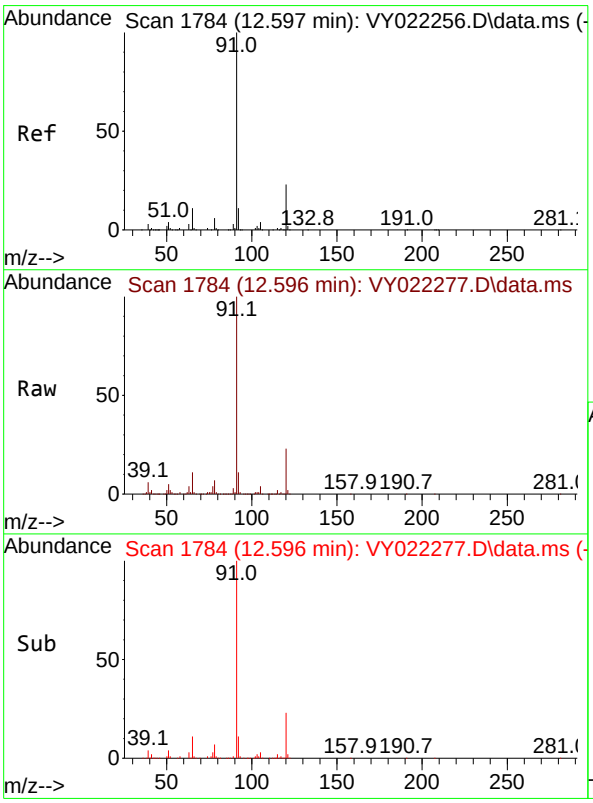
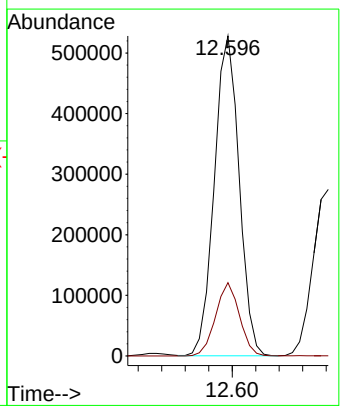
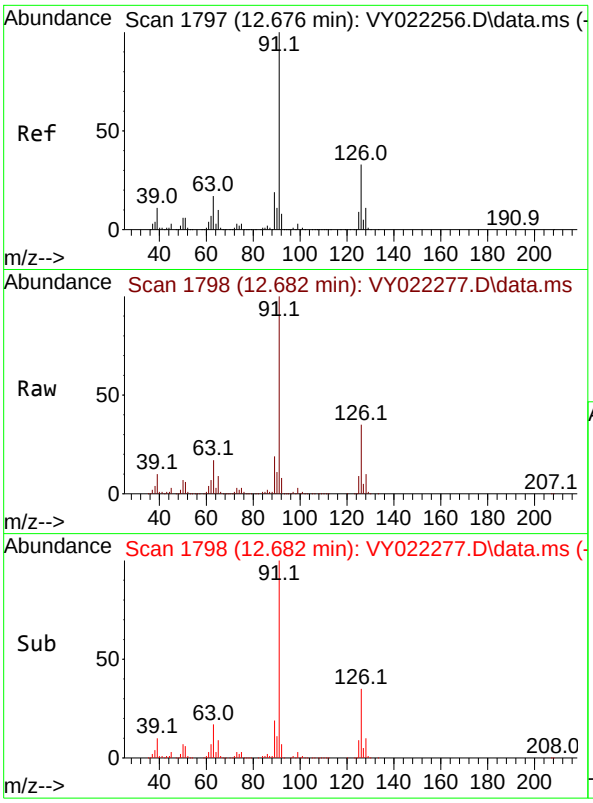


#78
n-propylbenzene
Concen: 53.604 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 773886

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

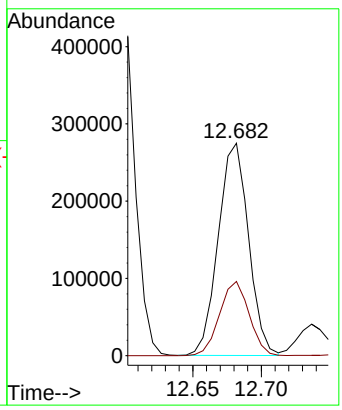




#79
2-Chlorotoluene
Concen: 53.269 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 42262

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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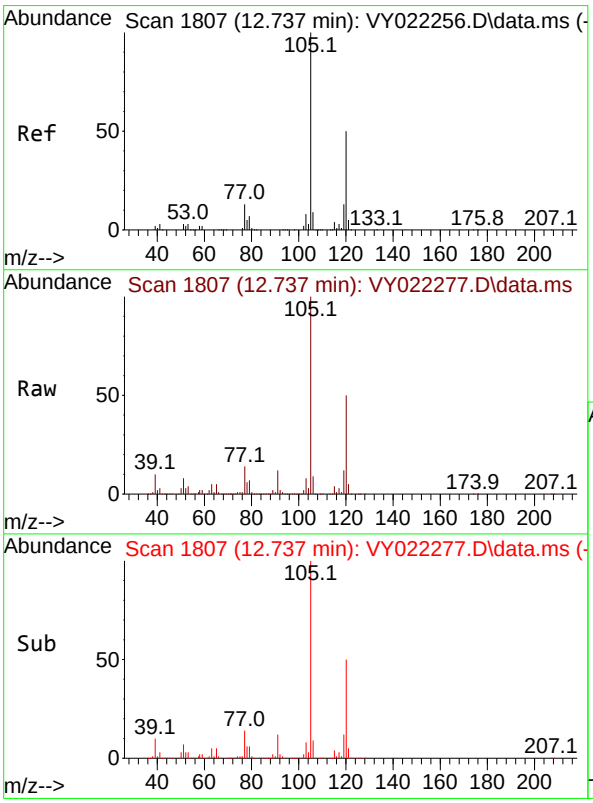
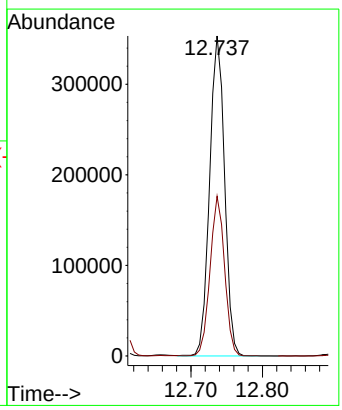
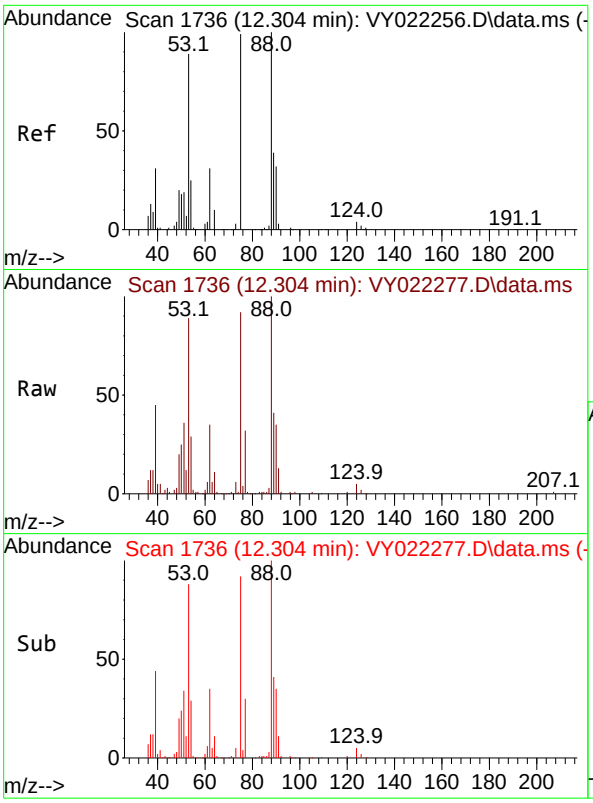


#80
1,3,5-Trimethylbenzene
Concen: 53.075 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 512810

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 47.601 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 3439

Ion	Ratio	Lower	Upper
75	100		
53	99.2	75.8	113.8
89	45.4	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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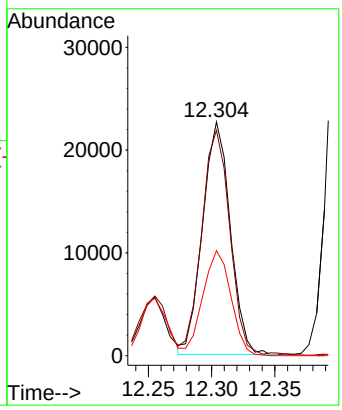
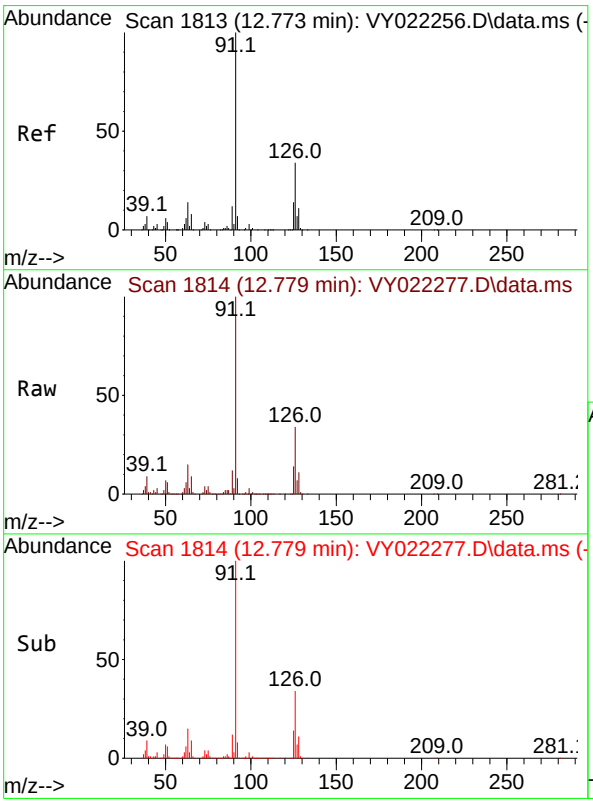
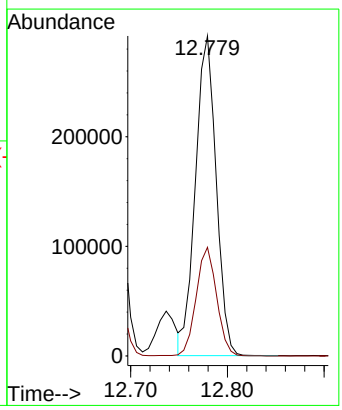


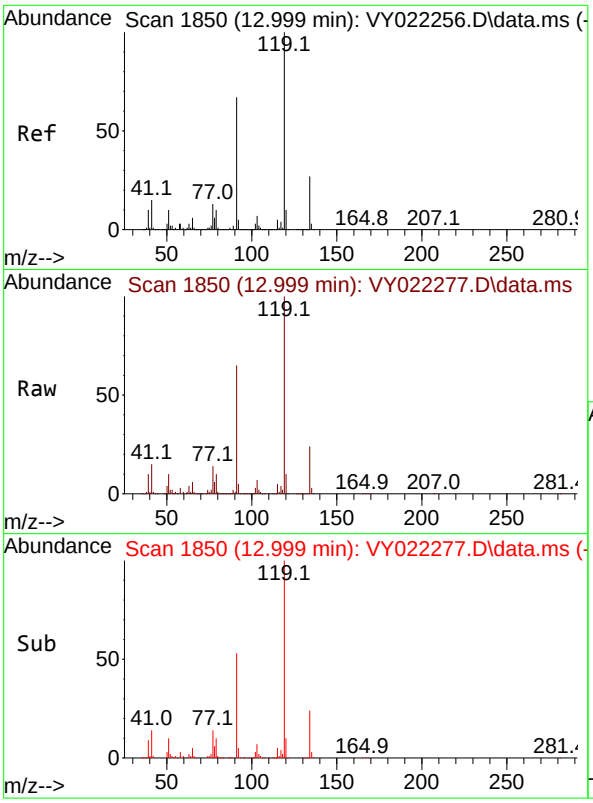


#82
4-Chlorotoluene
Concen: 53.249 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 434539

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4





#83
tert-Butylbenzene
Concen: 52.865 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:119 Resp: 45399

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.8	98.3
134	25.7	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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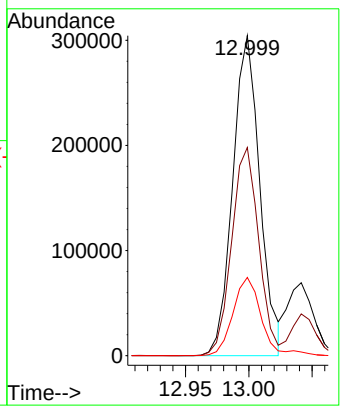
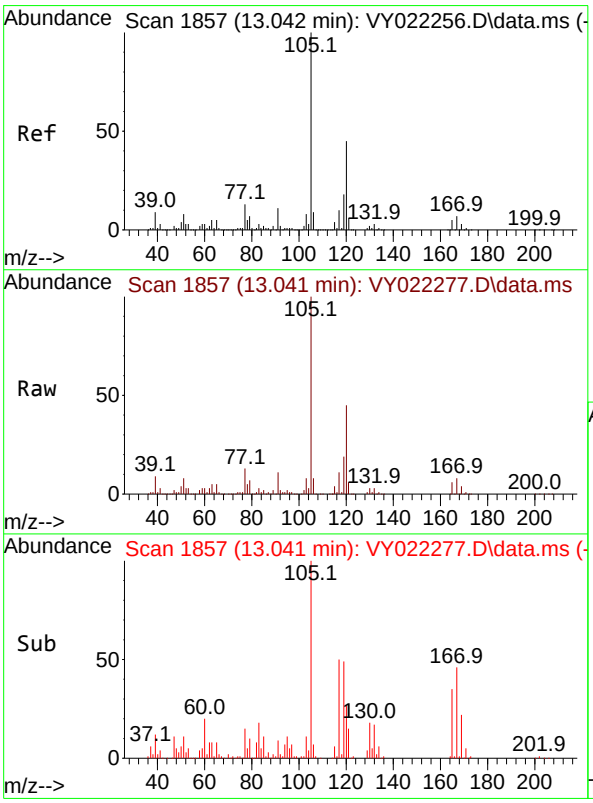
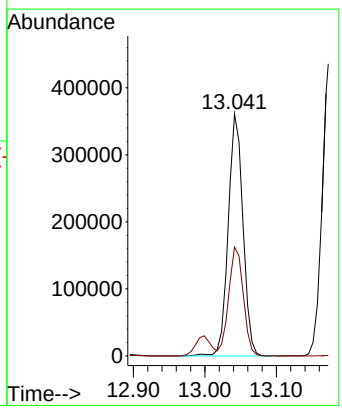


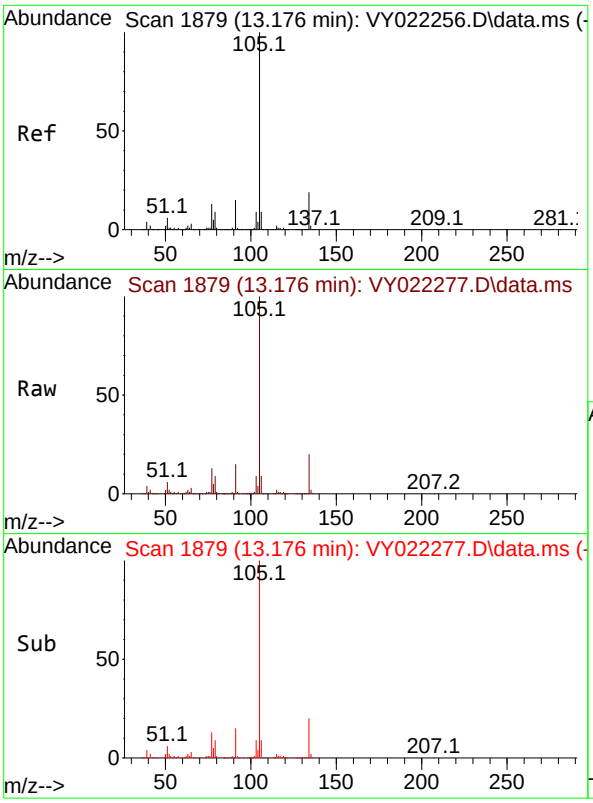


#84
1,2,4-Trimethylbenzene
Concen: 53.733 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 515364

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9

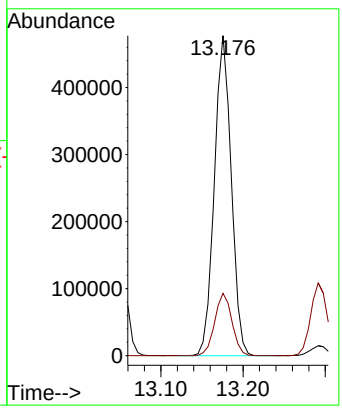




#85
sec-Butylbenzene
Concen: 53.545 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 68258

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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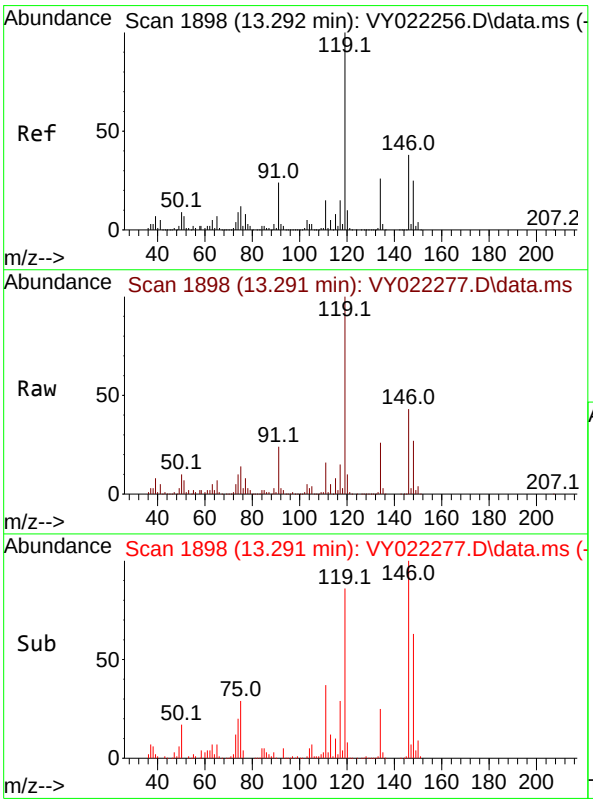
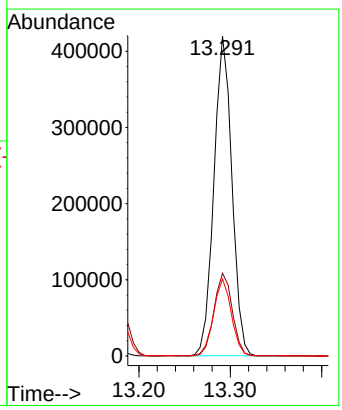
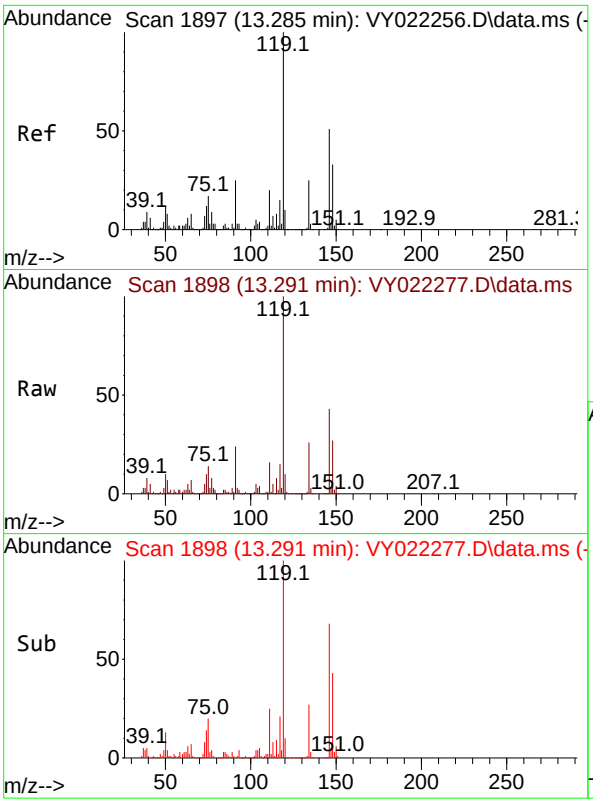


#86
p-Isopropyltoluene
Concen: 53.506 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:119 Resp: 573661

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	23.8	12.1	36.3

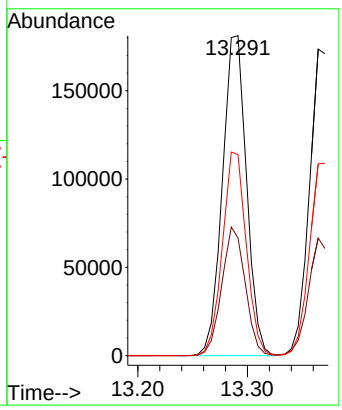




#87
1,3-Dichlorobenzene
Concen: 53.186 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:146 Resp: 27756

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	63.0	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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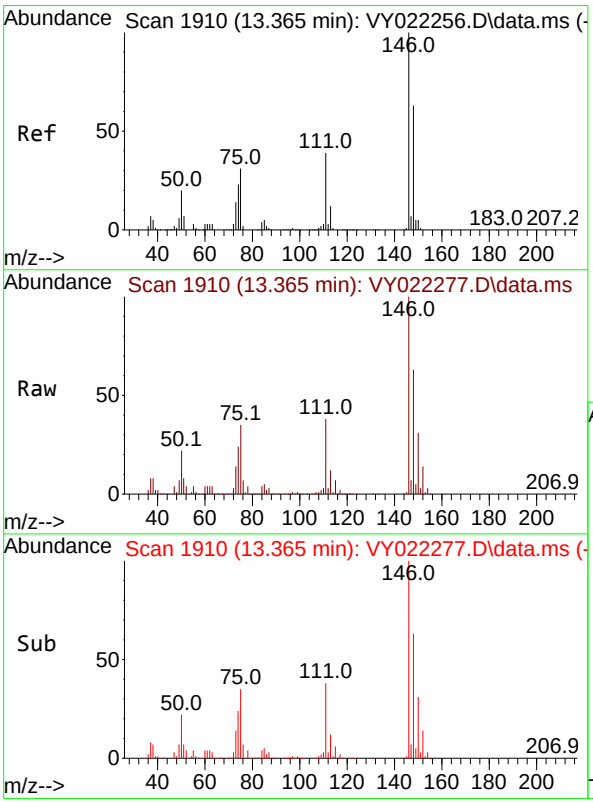
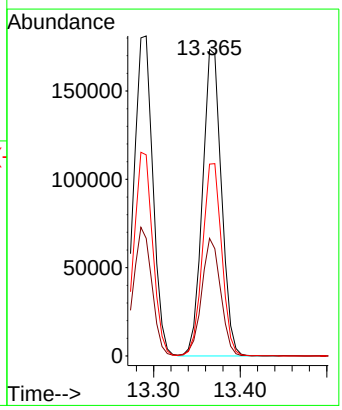
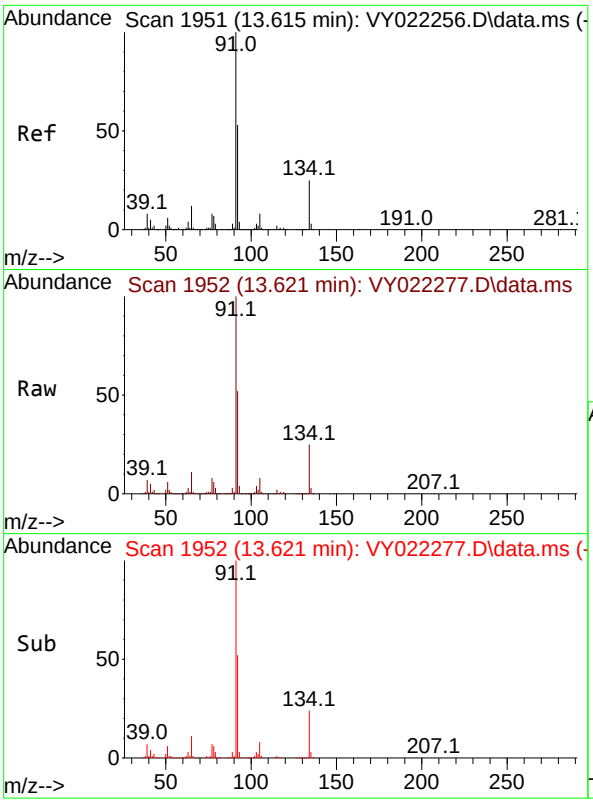


#88
1,4-Dichlorobenzene
Concen: 52.554 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:146 Resp: 263812

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.6	32.1	96.5

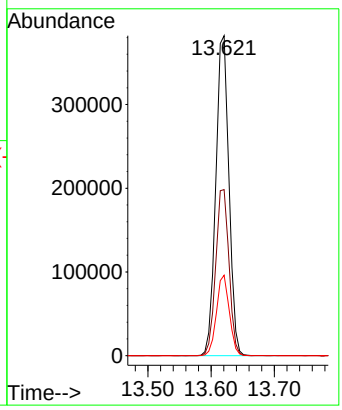




#89
n-Butylbenzene
Concen: 54.360 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 55137

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	24.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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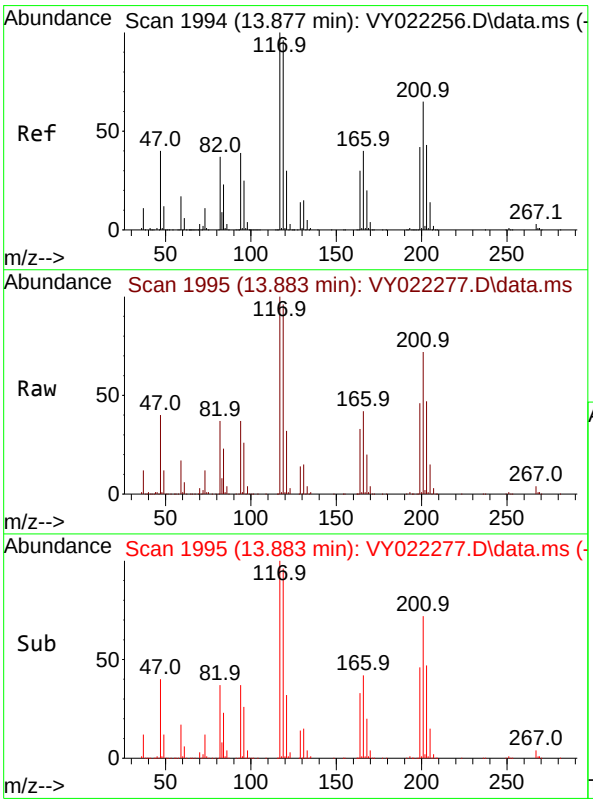
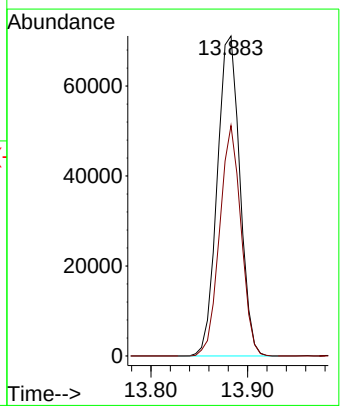
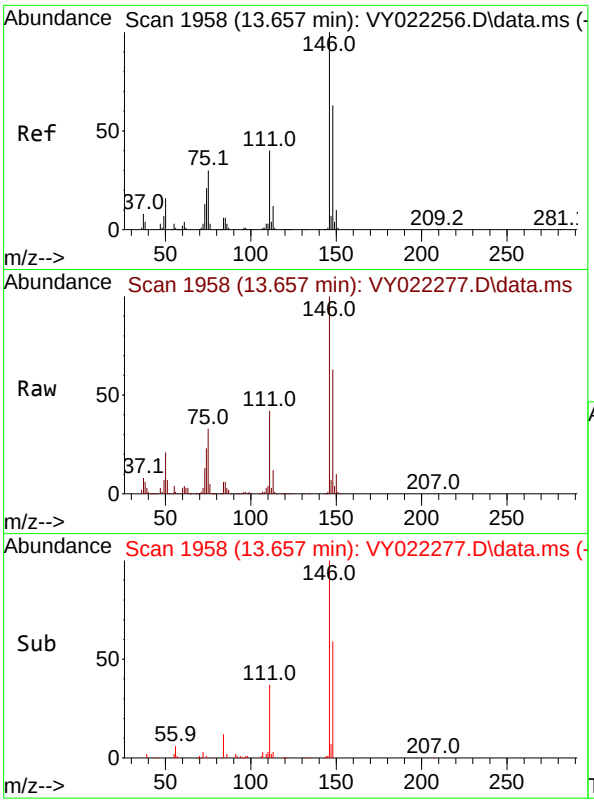


#90
Hexachloroethane
Concen: 53.238 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 115221

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6

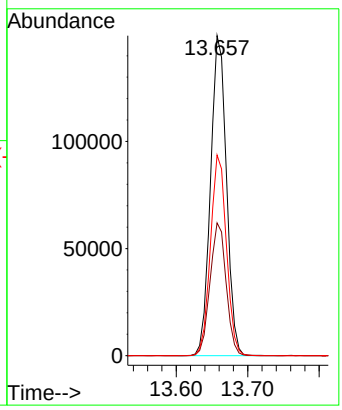




#91
1,2-Dichlorobenzene
Concen: 52.616 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:146 Resp: 23064

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	63.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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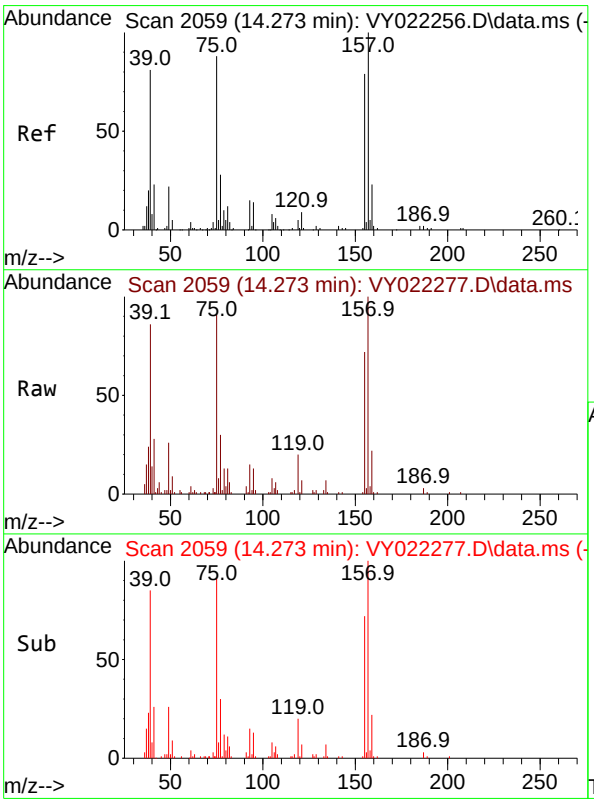
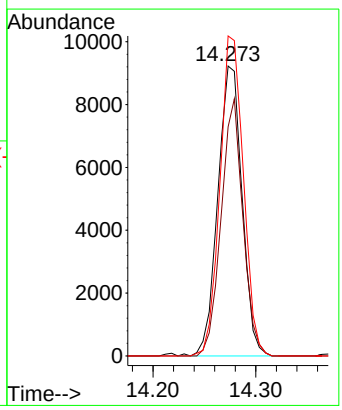
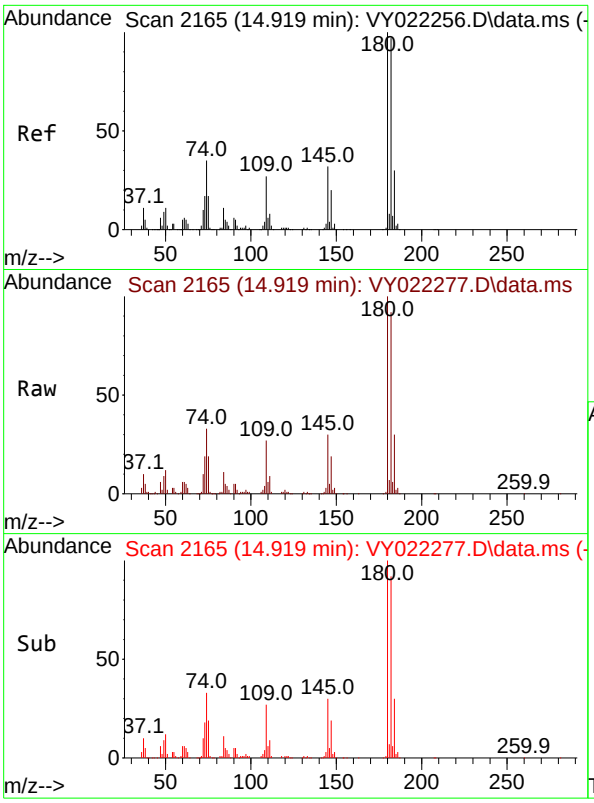


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.767 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 15069

Ion	Ratio	Lower	Upper
75	100		
155	80.0	43.4	130.1
157	106.9	54.6	163.9

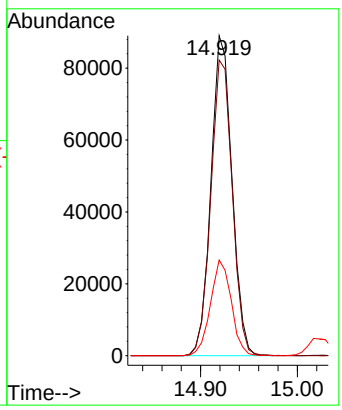




#93
1,2,4-Trichlorobenzene
Concen: 52.983 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:180 Resp: 13415

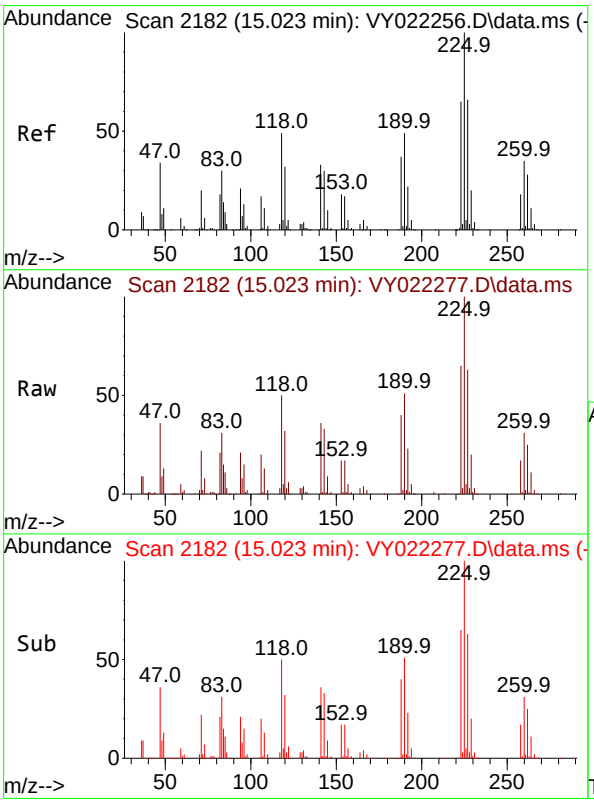
Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.0
145	29.7	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

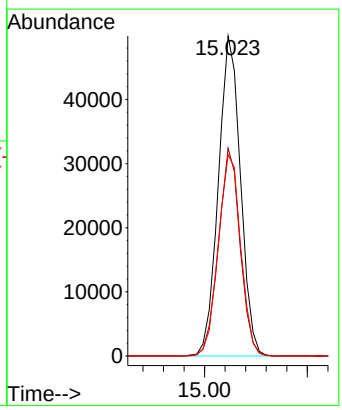
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

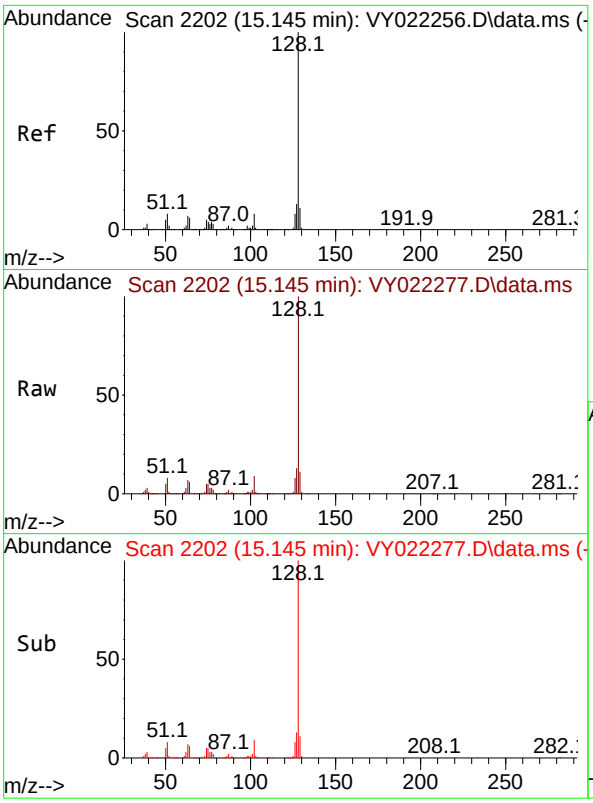


#94
Hexachlorobutadiene
Concen: 52.696 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:225 Resp: 74411

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.5	94.5
227	63.7	32.1	96.3

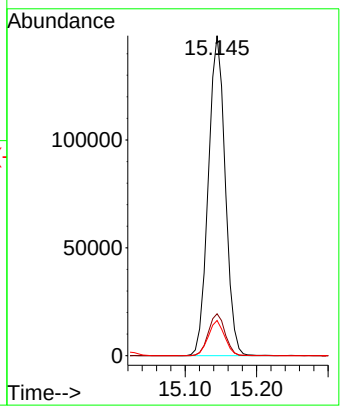




#95
Naphthalene
Concen: 50.663 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

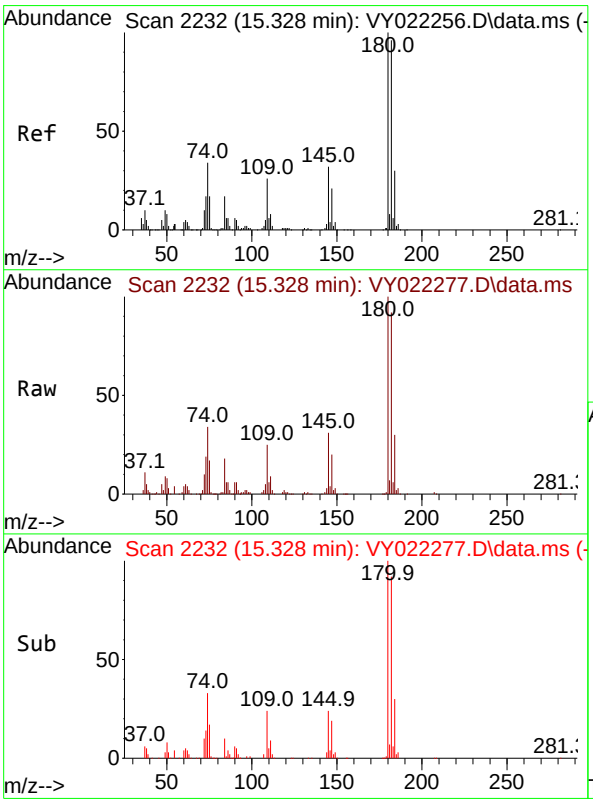
Tgt Ion:128 Resp: 24343

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.6	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

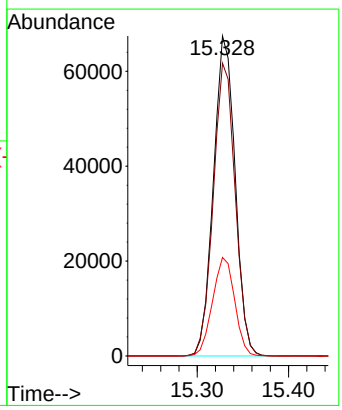
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.679 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:180 Resp: 111008

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.1	141.3
145	31.4	15.9	47.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	80	0.00
2	T	Dichlorodifluoromethane	0.522	0.521	0.2	82	0.00
3	P	Chloromethane	1.097	1.067	2.7	81	0.00
4	C	Vinyl Chloride	1.226	1.343	-9.5#	88	0.00
5	T	Bromomethane	0.998	1.071	-7.3	97	0.00
6	T	Chloroethane	0.763	0.887	-16.3	93	0.00
7	T	Trichlorofluoromethane	1.241	1.308	-5.4	86	0.00
8	T	Diethyl Ether	0.298	0.310	-4.0	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.569	-5.6	84	0.00
10	T	Methyl Iodide	0.624	0.700	-12.2	81	0.00
11	T	Tert butyl alcohol	0.042	0.040	4.8	83	0.00
12	CM	1,1-Dichloroethene	0.535	0.570	-6.5#	84	0.00
13	T	Acrolein	0.061	0.050	18.0	71	0.00
14	T	Allyl chloride	0.938	0.962	-2.6	80	0.00
15	T	Acrylonitrile	0.123	0.128	-4.1	85	0.00
16	T	Acetone	0.102	0.103	-1.0	88	0.00
17	T	Carbon Disulfide	1.744	1.850	-6.1	84	0.00
18	T	Methyl Acetate	0.323	0.324	-0.3	86	0.00
19	T	Methyl tert-butyl Ether	1.475	1.543	-4.6	84	0.00
20	T	Methylene Chloride	0.662	0.631	4.7	84	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.626	-6.1	84	0.00
22	T	Diisopropyl ether	1.980	2.052	-3.6	82	0.00
23	T	Vinyl Acetate	1.196	1.202	-0.5	82	0.00
24	P	1,1-Dichloroethane	1.106	1.172	-6.0	84	0.00
25	T	2-Butanone	0.171	0.166	2.9	82	0.00
26	T	2,2-Dichloropropane	0.984	1.070	-8.7	86	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.737	-8.2	85	0.00
28	T	Bromochloromethane	0.472	0.487	-3.2	82	0.00
29	T	Tetrahydrofuran	0.110	0.109	0.9	81	0.00
30	C	Chloroform	1.061	1.161	-9.4#	86	0.00
31	T	Cyclohexane	1.105	1.093	1.1	82	0.00
32	T	1,1,1-Trichloroethane	0.974	1.038	-6.6	85	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.552	-1.1	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.298	0.308	-3.4	83	0.00
36	T	1,1-Dichloropropene	0.492	0.515	-4.7	83	0.00
37	T	Ethyl Acetate	0.237	0.230	3.0	80	0.00
38	T	Carbon Tetrachloride	0.509	0.537	-5.5	84	0.00
39	T	Methylcyclohexane	0.660	0.680	-3.0	82	0.00
40	TM	Benzene	1.457	1.567	-7.5	85	0.00
41	T	Methacrylonitrile	0.157	0.140	10.8	72	0.00
42	TM	1,2-Dichloroethane	0.394	0.417	-5.8	84	0.00
43	T	Isopropyl Acetate	0.516	0.512	0.8	81	0.00
44	TM	Trichloroethene	0.362	0.381	-5.2	83	0.00
45	C	1,2-Dichloropropane	0.351	0.371	-5.7#	84	0.00
46	T	Dibromomethane	0.189	0.197	-4.2	84	0.00
47	T	Bromodichloromethane	0.492	0.533	-8.3	85	0.00
48	T	Methyl methacrylate	0.241	0.239	0.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	85	0.00
50	S	Toluene-d8	1.222	1.265	-3.5	83	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.250	1.2	80	0.00
52	CM	Toluene	0.923	0.982	-6.4#	84	0.00
53	T	t-1,3-Dichloropropene	0.480	0.500	-4.2	83	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.587	-6.7	85	0.00
55	T	1,1,2-Trichloroethane	0.243	0.254	-4.5	85	0.00
56	T	Ethyl methacrylate	0.378	0.383	-1.3	82	0.00
57	T	1,3-Dichloropropane	0.431	0.453	-5.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.179	-5.3	79	0.00
59	T	2-Hexanone	0.170	0.165	2.9	81	0.00
60	T	Dibromochloromethane	0.315	0.338	-7.3	85	0.00
61	T	1,2-Dibromoethane	0.226	0.238	-5.3	85	0.00
62	S	4-Bromofluorobenzene	0.387	0.388	-0.3	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
64	T	Tetrachloroethene	0.462	0.477	-3.2	82	0.00
65	PM	Chlorobenzene	1.128	1.200	-6.4	84	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.411	-5.9	84	0.00
67	C	Ethyl Benzene	2.113	2.235	-5.8#	83	0.00
68	T	m/p-Xylenes	0.796	0.848	-6.5	84	0.00
69	T	o-Xylene	0.753	0.804	-6.8	85	0.00
70	T	Styrene	1.270	1.355	-6.7	84	0.00
71	P	Bromoform	0.209	0.214	-2.4	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
73	T	Isopropylbenzene	4.142	4.419	-6.7	84	0.00
74	T	N-amyl acetate	1.185	1.180	0.4	82	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.651	-2.2	83	0.00
76	T	1,2,3-Trichloropropane	0.507	0.540	-6.5	86	0.00
77	T	Bromobenzene	0.885	0.931	-5.2	83	0.00
78	T	n-propylbenzene	4.996	5.356	-7.2	84	0.00
79	T	2-Chlorotoluene	2.746	2.925	-6.5	84	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.549	-6.1	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.238	4.8	81	0.00
82	T	4-Chlorotoluene	2.824	3.008	-6.5	83	0.00
83	T	tert-Butylbenzene	2.972	3.142	-5.7	83	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.567	-7.5	84	0.00
85	T	sec-Butylbenzene	4.412	4.725	-7.1	83	0.00
86	T	p-Isopropyltoluene	3.710	3.971	-7.0	83	0.00
87	T	1,3-Dichlorobenzene	1.806	1.921	-6.4	84	0.00
88	T	1,4-Dichlorobenzene	1.737	1.826	-5.1	84	0.00
89	T	n-Butylbenzene	3.510	3.816	-8.7	83	0.00
90	T	Hexachloroethane	0.749	0.798	-6.5	84	0.00
91	T	1,2-Dichlorobenzene	1.517	1.596	-5.2	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.104	-1.0	84	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.929	-6.1	83	0.00
94	T	Hexachlorobutadiene	0.489	0.515	-5.3	82	0.00
95	T	Naphthalene	1.663	1.685	-1.3	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.768	-3.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	80	0.00
2	T	Dichlorodifluoromethane	50.000	49.923	0.2	82	0.00
3	P	Chloromethane	50.000	48.598	2.8	81	0.00
4	C	Vinyl Chloride	50.000	54.773	-9.5#	88	0.00
5	T	Bromomethane	50.000	53.635	-7.3	97	0.00
6	T	Chloroethane	50.000	58.123	-16.2	93	0.00
7	T	Trichlorofluoromethane	50.000	52.672	-5.3	86	0.00
8	T	Diethyl Ether	50.000	51.977	-4.0	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.824	-5.6	84	0.00
10	T	Methyl Iodide	50.000	56.117	-12.2	81	0.00
11	T	Tert butyl alcohol	250.000	241.730	3.3	83	0.00
12	CM	1,1-Dichloroethene	50.000	53.251	-6.5#	84	0.00
13	T	Acrolein	250.000	204.899	18.0	71	0.00
14	T	Allyl chloride	50.000	51.302	-2.6	80	0.00
15	T	Acrylonitrile	250.000	259.711	-3.9	85	0.00
16	T	Acetone	250.000	250.886	-0.4	88	0.00
17	T	Carbon Disulfide	50.000	53.042	-6.1	84	0.00
18	T	Methyl Acetate	50.000	50.215	-0.4	86	0.00
19	T	Methyl tert-butyl Ether	50.000	52.321	-4.6	84	0.00
20	T	Methylene Chloride	50.000	47.645	4.7	84	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.998	-6.0	84	0.00
22	T	Diisopropyl ether	50.000	51.810	-3.6	82	0.00
23	T	Vinyl Acetate	250.000	251.128	-0.5	82	0.00
24	P	1,1-Dichloroethane	50.000	52.970	-5.9	84	0.00
25	T	2-Butanone	250.000	242.624	3.0	82	0.00
26	T	2,2-Dichloropropane	50.000	54.384	-8.8	86	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.093	-8.2	85	0.00
28	T	Bromochloromethane	50.000	51.625	-3.3	82	0.00
29	T	Tetrahydrofuran	250.000	246.422	1.4	81	0.00
30	C	Chloroform	50.000	54.713	-9.4#	86	0.00
31	T	Cyclohexane	50.000	49.457	1.1	82	0.00
32	T	1,1,1-Trichloroethane	50.000	53.304	-6.6	85	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.505	-1.0	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	51.525	-3.0	83	0.00
36	T	1,1-Dichloropropene	50.000	52.341	-4.7	83	0.00
37	T	Ethyl Acetate	50.000	48.715	2.6	80	0.00
38	T	Carbon Tetrachloride	50.000	52.737	-5.5	84	0.00
39	T	Methylcyclohexane	50.000	51.496	-3.0	82	0.00
40	TM	Benzene	50.000	53.771	-7.5	85	0.00
41	T	Methacrylonitrile	50.000	44.718	10.6	72	0.00
42	TM	1,2-Dichloroethane	50.000	52.870	-5.7	84	0.00
43	T	Isopropyl Acetate	50.000	49.654	0.7	81	0.00
44	TM	Trichloroethene	50.000	52.539	-5.1	83	0.00
45	C	1,2-Dichloropropane	50.000	52.735	-5.5#	84	0.00
46	T	Dibromomethane	50.000	51.869	-3.7	84	0.00
47	T	Bromodichloromethane	50.000	54.169	-8.3	85	0.00
48	T	Methyl methacrylate	50.000	49.534	0.9	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1001.752	-0.2	85	0.00
50	S	Toluene-d8	50.000	51.731	-3.5	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	247.383	1.0	80	0.00
52	CM	Toluene	50.000	53.192	-6.4#	84	0.00
53	T	t-1,3-Dichloropropene	50.000	52.062	-4.1	83	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.441	-6.9	85	0.00
55	T	1,1,2-Trichloroethane	50.000	52.364	-4.7	85	0.00
56	T	Ethyl methacrylate	50.000	50.626	-1.3	82	0.00
57	T	1,3-Dichloropropane	50.000	52.534	-5.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	263.967	-5.6	79	0.00
59	T	2-Hexanone	250.000	243.243	2.7	81	0.00
60	T	Dibromochloromethane	50.000	53.672	-7.3	85	0.00
61	T	1,2-Dibromoethane	50.000	52.685	-5.4	85	0.00
62	S	4-Bromofluorobenzene	50.000	50.120	-0.2	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	81	0.00
64	T	Tetrachloroethene	50.000	51.645	-3.3	82	0.00
65	PM	Chlorobenzene	50.000	53.191	-6.4	84	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.937	-5.9	84	0.00
67	C	Ethyl Benzene	50.000	52.887	-5.8#	83	0.00
68	T	m/p-Xylenes	100.000	106.465	-6.5	84	0.00
69	T	o-Xylene	50.000	53.401	-6.8	85	0.00
70	T	Styrene	50.000	53.337	-6.7	84	0.00
71	P	Bromoform	50.000	51.173	-2.3	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	80	0.00
73	T	Isopropylbenzene	50.000	53.338	-6.7	84	0.00
74	T	N-amyl acetate	50.000	49.797	0.4	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.057	-2.1	83	0.00
76	T	1,2,3-Trichloropropane	50.000	53.312	-6.6	86	0.00
77	T	Bromobenzene	50.000	52.632	-5.3	83	0.00
78	T	n-propylbenzene	50.000	53.604	-7.2	84	0.00
79	T	2-Chlorotoluene	50.000	53.269	-6.5	84	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.075	-6.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.601	4.8	81	0.00
82	T	4-Chlorotoluene	50.000	53.249	-6.5	83	0.00
83	T	tert-Butylbenzene	50.000	52.865	-5.7	83	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.733	-7.5	84	0.00
85	T	sec-Butylbenzene	50.000	53.545	-7.1	83	0.00
86	T	p-Isopropyltoluene	50.000	53.506	-7.0	83	0.00
87	T	1,3-Dichlorobenzene	50.000	53.186	-6.4	84	0.00
88	T	1,4-Dichlorobenzene	50.000	52.554	-5.1	84	0.00
89	T	n-Butylbenzene	50.000	54.360	-8.7	83	0.00
90	T	Hexachloroethane	50.000	53.238	-6.5	84	0.00
91	T	1,2-Dichlorobenzene	50.000	52.616	-5.2	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.767	-1.5	84	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.983	-6.0	83	0.00
94	T	Hexachlorobutadiene	50.000	52.696	-5.4	82	0.00
95	T	Naphthalene	50.000	50.663	-1.3	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.679	-3.4	82	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.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 19:29

Lab File ID: VY022301.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.483		-7.47	50
Chloromethane	1.097	1.147	0.1	4.56	50
Vinyl Chloride	1.226	1.544		25.94	50
Bromomethane	0.998	1.277		27.96	50
Chloroethane	0.763	1.076		41.02	50
Tetrahydrofuran	0.110	0.128		16.36	50
Trichlorofluoromethane	1.241	1.357		9.35	50
1,1,2-Trichlorotrifluoroethane	0.539	0.542		0.56	50
1,1-Dichloroethene	0.535	0.568		6.17	50
Acrylonitrile	0.123	0.144		17.07	50
Acetone	0.102	0.107		4.9	50
Carbon Disulfide	1.744	1.831		4.99	50
Methyl tert-butyl Ether	1.475	1.709		15.86	50
Methylene Chloride	0.662	0.663		0.15	50
trans-1,2-Dichloroethene	0.590	0.634		7.46	50
1,1-Dichloroethane	1.106	1.195	0.1	8.05	50
2-Butanone	0.171	0.188		9.94	50
Carbon Tetrachloride	0.509	0.491		-3.54	50
2,2-Dichloropropane	0.984	0.912		-7.32	50
cis-1,2-Dichloroethene	0.681	0.762		11.89	50
Chloroform	1.061	1.195		12.63	50
1,1,1-Trichloroethane	0.974	1.018		4.52	50
1,1-Dichloropropene	0.492	0.477		-3.05	50
Benzene	1.457	1.513		3.84	50
1,2-Dichloroethane	0.394	0.420		6.6	50
Trichloroethene	0.362	0.367		1.38	50
1,2-Dichloropropane	0.351	0.361		2.85	50
Dibromomethane	0.189	0.204		7.94	50
Bromodichloromethane	0.492	0.517		5.08	50
4-Methyl-2-Pentanone	0.253	0.274		8.3	50
Toluene	0.923	0.944		2.28	50
t-1,3-Dichloropropene	0.480	0.488		1.67	50
cis-1,3-Dichloropropene	0.550	0.562		2.18	50
1,1,2-Trichloroethane	0.243	0.259		6.58	50
1,3-Dichloropropane	0.431	0.460		6.73	50
2-Hexanone	0.170	0.180		5.88	50
Dibromochloromethane	0.315	0.336		6.67	50
1,2-Dibromoethane	0.226	0.245		8.41	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.: Q1984 SAS No.: Q1984 SDG No.: Q1984

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 19:29

Lab File ID: VY022301.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.462	0.445		-3.68	50
Chlorobenzene	1.128	1.135	0.3	0.62	50
1,1,1,2-Tetrachloroethane	0.388	0.392		1.03	50
Ethyl Benzene	2.113	2.099		-0.66	50
m/p-Xylenes	0.796	0.792		-0.5	50
o-Xylene	0.753	0.763		1.33	50
Styrene	1.270	1.302		2.52	50
Bromoform	0.209	0.221	0.1	5.74	50
Isopropylbenzene	4.142	4.079		-1.52	50
1,1,2,2-Tetrachloroethane	0.637	0.693	0.3	8.79	50
1,2,3-Trichloropropane	0.507	0.501		-1.18	50
Bromobenzene	0.885	0.901		1.81	50
n-propylbenzene	4.996	4.955		-0.82	50
2-Chlorotoluene	2.746	2.732		-0.51	50
1,3,5-Trimethylbenzene	3.344	3.268		-2.27	50
4-Chlorotoluene	2.824	2.781		-1.52	50
tert-Butylbenzene	2.972	2.973		0.03	50
1,2,4-Trimethylbenzene	3.319	3.318		-0.03	50
sec-Butylbenzene	4.412	4.337		-1.7	50
p-Isopropyltoluene	3.710	3.622		-2.37	50
1,3-Dichlorobenzene	1.806	1.806		0	50
1,4-Dichlorobenzene	1.737	1.755		1.04	50
n-Butylbenzene	3.510	3.408		-2.91	50
1,2-Dichlorobenzene	1.517	1.559		2.77	50
1,2-Dibromo-3-Chloropropane	0.103	0.109		5.82	50
1,2,4-Trichlorobenzene	0.876	0.867		-1.03	50
Hexachlorobutadiene	0.489	0.456		-6.75	50
1,2,3-Trichlorobenzene	0.743	0.751		1.08	50
1,2-Dichloroethane-d4	0.546	0.621		13.74	50
Dibromofluoromethane	0.298	0.318		6.71	50
Toluene-d8	1.222	1.278		4.58	50
4-Bromofluorobenzene	0.387	0.394		1.81	50
trans-1,4-Dichloro-2-butene	0.250	0.231		-7.6	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\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	169408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	301400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	262982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105132	56.783	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.560%			
35) Dibromofluoromethane	7.634	113	95967	53.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.700%			
50) Toluene-d8	10.103	98	385048	52.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.520%			
62) 4-Bromofluorobenzene	12.401	95	118638	50.802	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	81891	46.326	ug/l	98
3) Chloromethane	2.068	50	194341	52.264	ug/l	100
4) Vinyl Chloride	2.202	62	261518	62.949	ug/l	97
5) Bromomethane	2.592	94	216391	63.984	ug/l	99
6) Chloroethane	2.732	64	182258	70.518	ug/l	98
7) Trichlorofluoromethane	3.049	101	229841	54.643	ug/l	99
8) Diethyl Ether	3.452	74	57553	57.015	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	91858	50.304	ug/l	98
10) Methyl Iodide	4.000	142	124272	58.800	ug/l	99
11) Tert butyl alcohol	4.866	59	41446	293.143	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	96302	53.144	ug/l	99
13) Acrolein	3.647	56	45853	221.842	ug/l	97
14) Allyl chloride	4.378	41	160107	50.390	ug/l	97
15) Acrylonitrile	5.055	53	122379	294.229	ug/l	99
16) Acetone	3.872	43	90742	261.381	ug/l	98
17) Carbon Disulfide	4.104	76	310118	52.482	ug/l	98
18) Methyl Acetate	4.385	43	78917	72.098	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	289508	57.942	ug/l	96
20) Methylene Chloride	4.610	84	112252	50.040	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	107400	53.696	ug/l	98
22) Diisopropyl ether	6.012	45	357394	53.264	ug/l	96
23) Vinyl Acetate	5.957	43	1023992	252.608	ug/l	98
24) 1,1-Dichloroethane	5.909	63	202421	53.998	ug/l	98
25) 2-Butanone	6.890	43	159016	273.834	ug/l	99
26) 2,2-Dichloropropane	6.878	77	154549	46.353	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	129025	55.900	ug/l	96
28) Bromochloromethane	7.244	49	87604	54.788	ug/l	97
29) Tetrahydrofuran	7.262	42	108553	290.562	ug/l	96
30) Chloroform	7.421	83	202440	56.301	ug/l	96
31) Cyclohexane	7.695	56	171539	45.799	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	172530	52.300	ug/l	100
36) 1,1-Dichloropropene	7.835	75	143691	48.494	ug/l	99
37) Ethyl Acetate	6.982	43	71726	50.310	ug/l	97
38) Carbon Tetrachloride	7.817	117	147865	48.210	ug/l	99
39) Methylcyclohexane	9.109	83	180031	45.224	ug/l	97
40) Benzene	8.079	78	456109	51.925	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	39846	42.134	ug/l	#	77
42) 1,2-Dichloroethane	8.152	62	126733	53.352	ug/l		99
43) Isopropyl Acetate	8.195	43	161047	51.797	ug/l	#	89
44) Trichloroethene	8.865	130	110550	50.616	ug/l		95
45) 1,2-Dichloropropane	9.140	63	108718	51.337	ug/l		97
46) Dibromomethane	9.231	93	61598	53.928	ug/l		98
47) Bromodichloromethane	9.420	83	155944	52.627	ug/l		97
48) Methyl methacrylate	9.219	41	75248	51.751	ug/l		94
49) 1,4-Dioxane	9.237	88	14407	1116.500	ug/l	#	86
51) 4-Methyl-2-Pentanone	9.993	43	412211	270.195	ug/l		98
52) Toluene	10.170	92	284515	51.150	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	147108	50.870	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	169256	51.085	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	78105	53.400	ug/l		98
56) Ethyl methacrylate	10.438	69	120471	52.876	ug/l		99
57) 1,3-Dichloropropane	10.713	76	138601	53.333	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	300672	294.015	ug/l		100
59) 2-Hexanone	10.755	43	270964	264.900	ug/l		98
60) Dibromochloromethane	10.908	129	101289	53.353	ug/l		99
61) 1,2-Dibromoethane	11.011	107	73769	54.113	ug/l		100
64) Tetrachloroethene	10.646	164	117020	48.141	ug/l		96
65) Chlorobenzene	11.438	112	298366	50.288	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	103057	50.525	ug/l		99
67) Ethyl Benzene	11.517	91	552037	49.681	ug/l		98
68) m/p-Xylenes	11.627	106	416782	99.542	ug/l		99
69) o-Xylene	11.950	106	200603	50.639	ug/l		99
70) Styrene	11.969	104	342456	51.248	ug/l		98
71) Bromoform	12.133	173	58041	52.719	ug/l	#	99
73) Isopropylbenzene	12.249	105	506442	49.232	ug/l		100
74) N-amyl acetate	12.066	43	145082	49.313	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86108	54.429	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	62208m	49.451	ug/l		
77) Bromobenzene	12.529	156	111837	50.903	ug/l		100
78) n-propylbenzene	12.590	91	615206	49.582	ug/l		99
79) 2-Chlorotoluene	12.676	91	339182	49.744	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	405753	48.863	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	28728	46.262	ug/l		100
82) 4-Chlorotoluene	12.773	91	345271	49.230	ug/l		98
83) tert-Butylbenzene	12.993	119	369198	50.023	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	411972	49.978	ug/l		98
85) sec-Butylbenzene	13.176	105	538476	49.149	ug/l		100
86) p-Isopropyltoluene	13.291	119	449798	48.814	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	224283	50.006	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	217882	50.503	ug/l		98
89) n-Butylbenzene	13.615	91	423157	48.542	ug/l		99
90) Hexachloroethane	13.877	117	91050	48.950	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	193609	51.391	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13510	52.958	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	107697	49.489	ug/l		100
94) Hexachlorobutadiene	15.023	225	56596	46.635	ug/l		98
95) Naphthalene	15.139	128	217144	52.582	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	93303	50.540	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

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

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

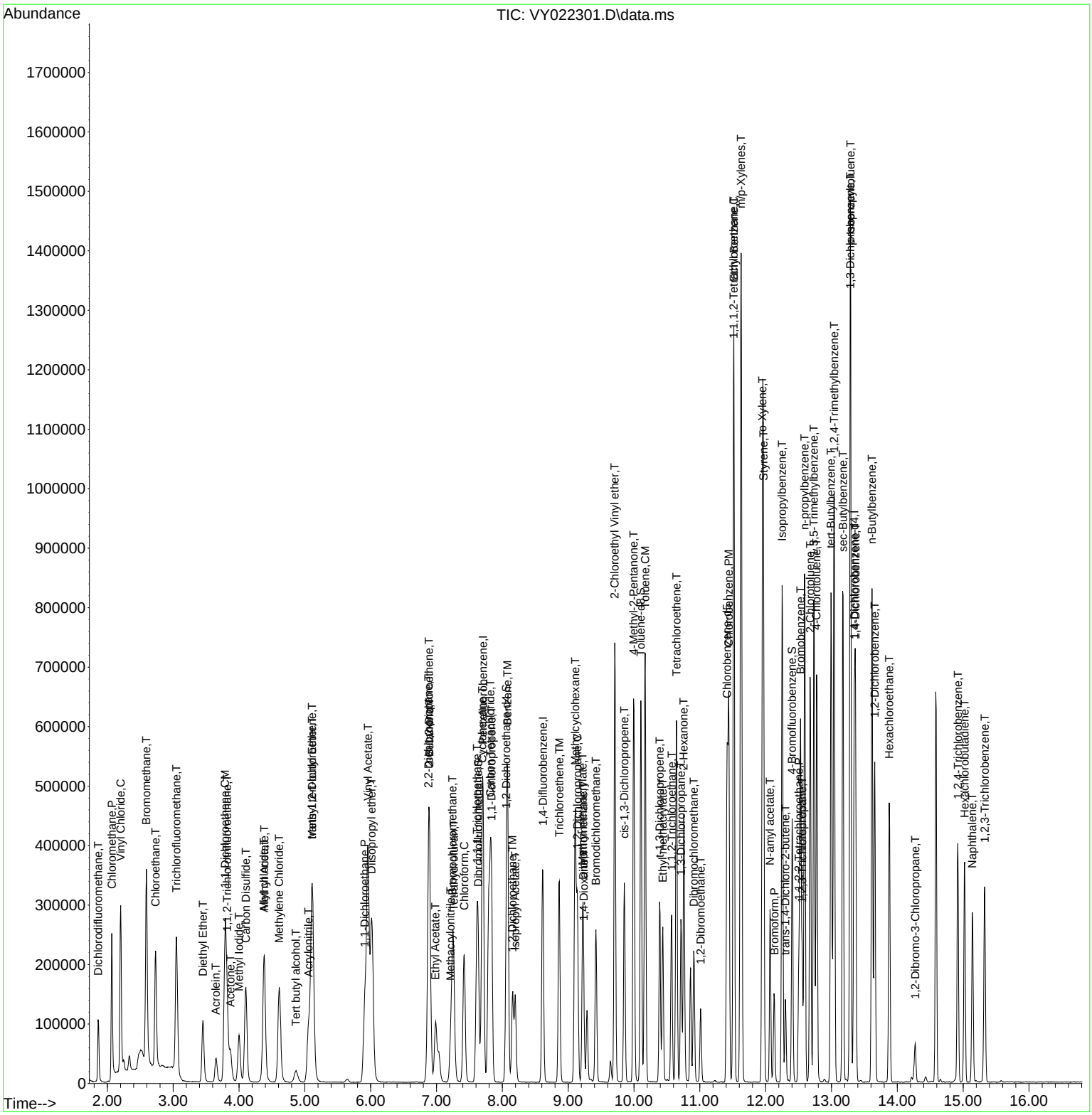
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

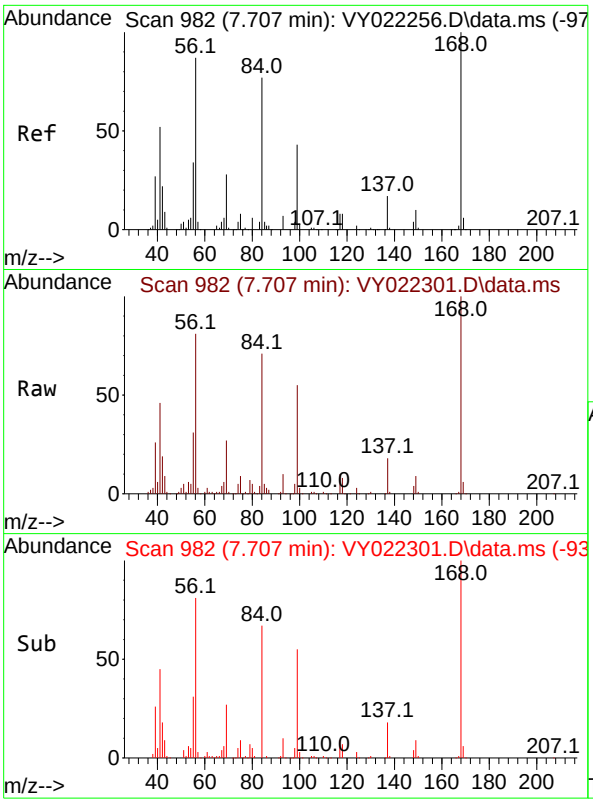
Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:168 Resp: 16940

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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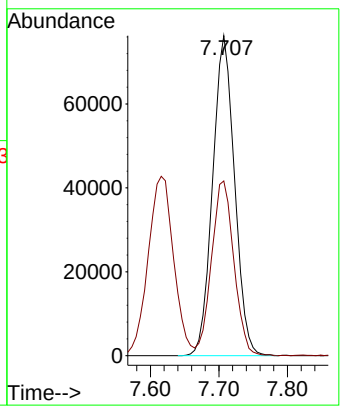
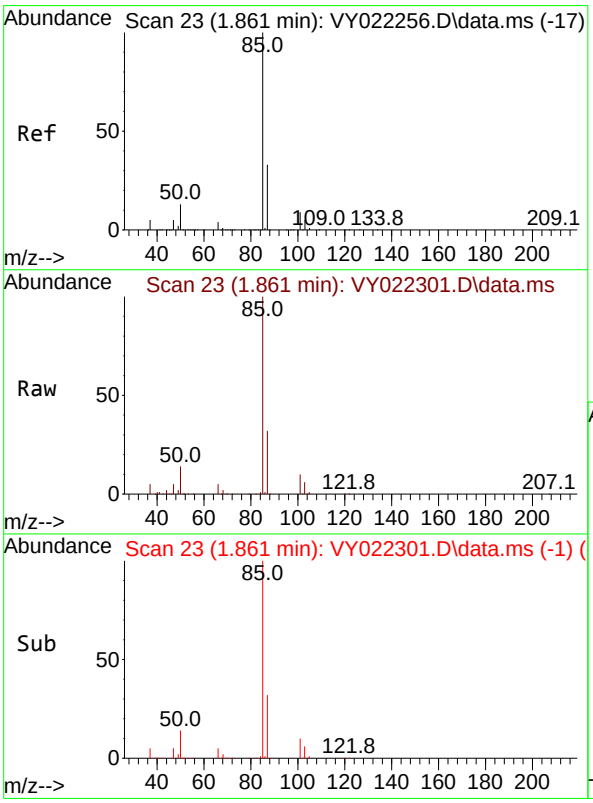
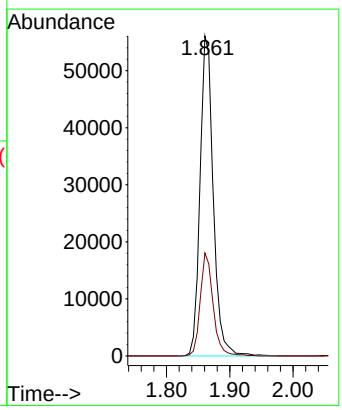


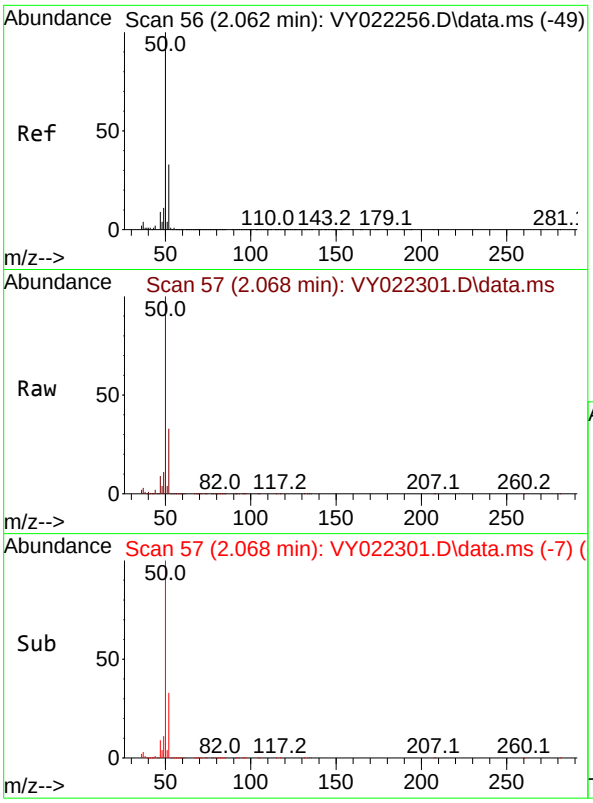


#2
Dichlorodifluoromethane
Concen: 46.326 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 85 Resp: 81891

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.5	49.5

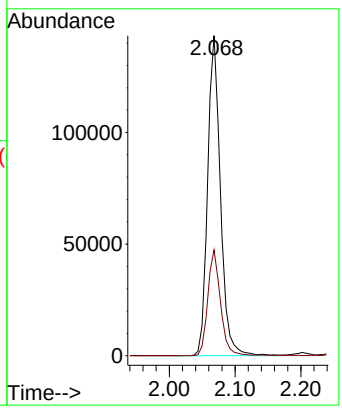




#3
Chloromethane
Concen: 52.264 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 50 Resp: 19434

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
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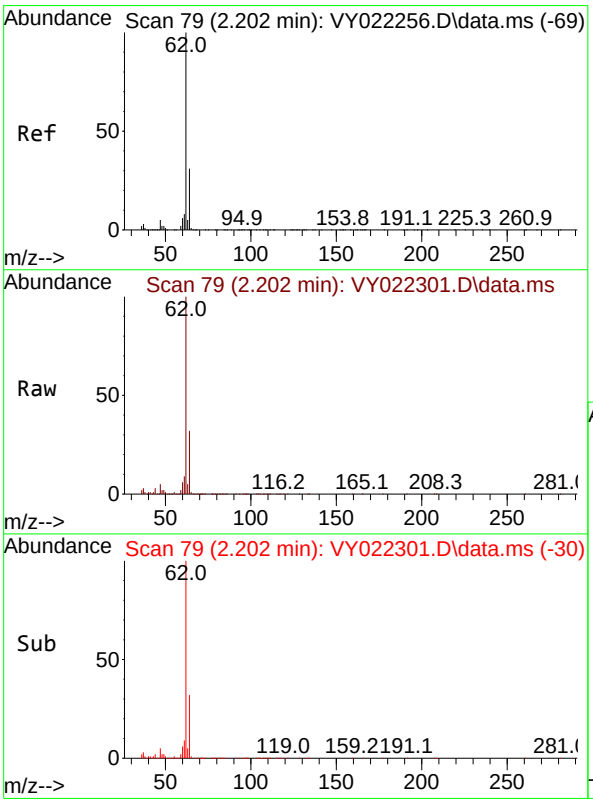
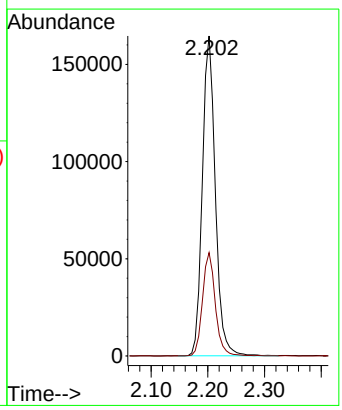
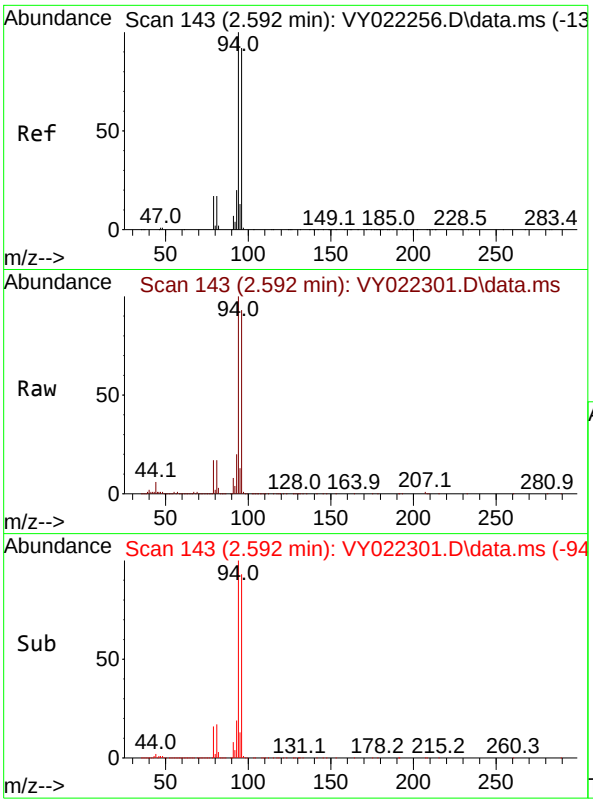


#4
Vinyl Chloride
Concen: 62.949 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 62 Resp: 261518

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.5	36.7





#5
Bromomethane
Concen: 63.984 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 94 Resp: 21639

Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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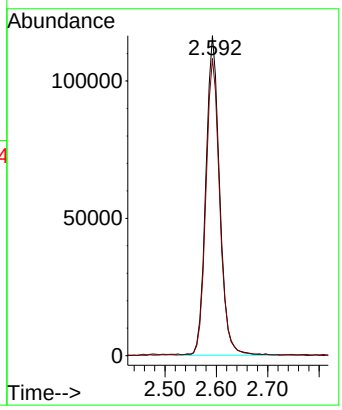
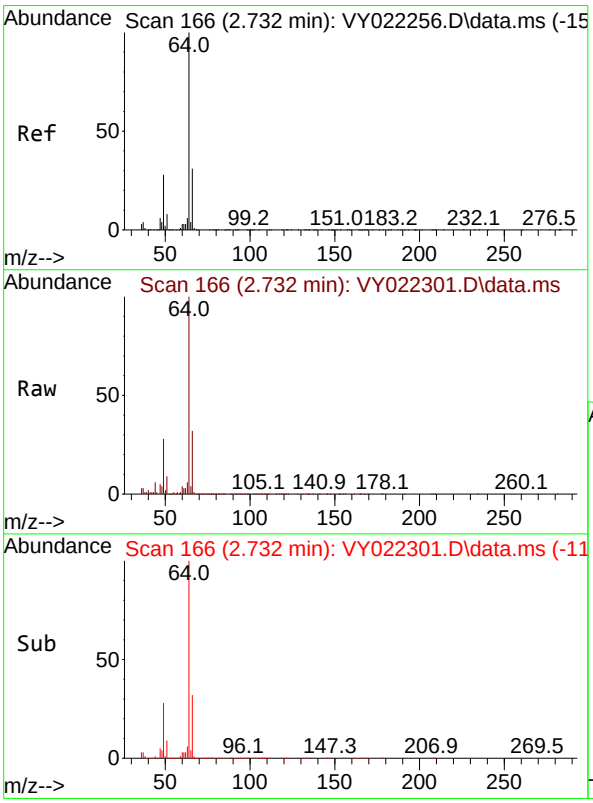
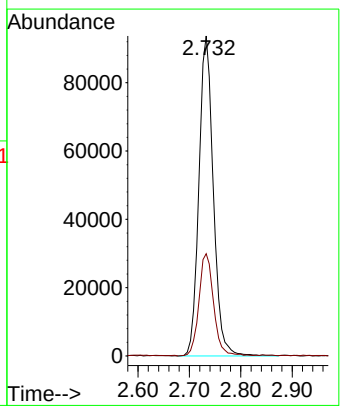


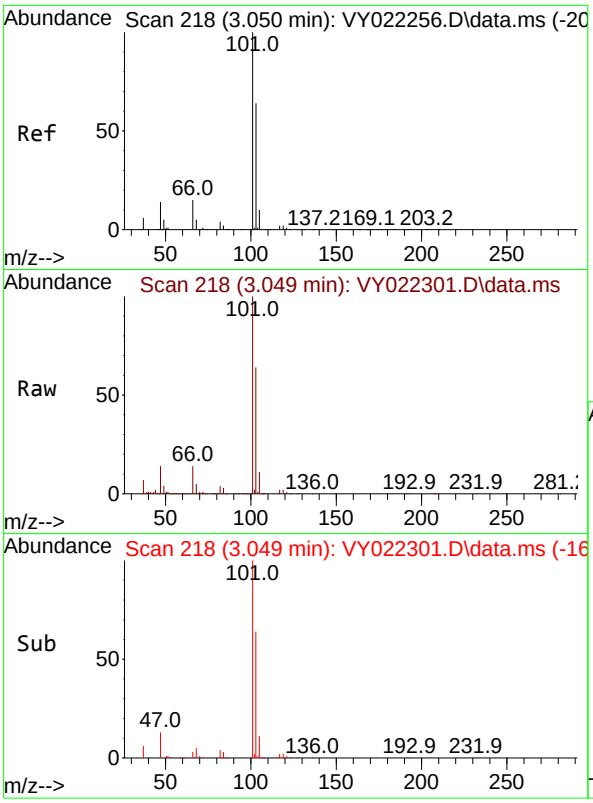


#6
Chloroethane
Concen: 70.518 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 64 Resp: 182258

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.8	37.2

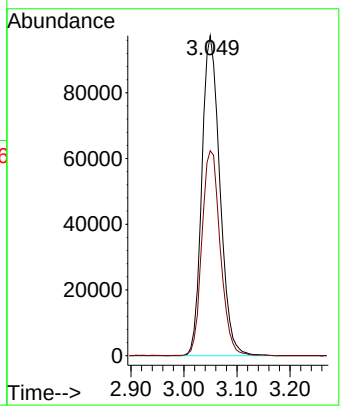




#7
Trichlorofluoromethane
Concen: 54.643 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:101 Resp: 22984

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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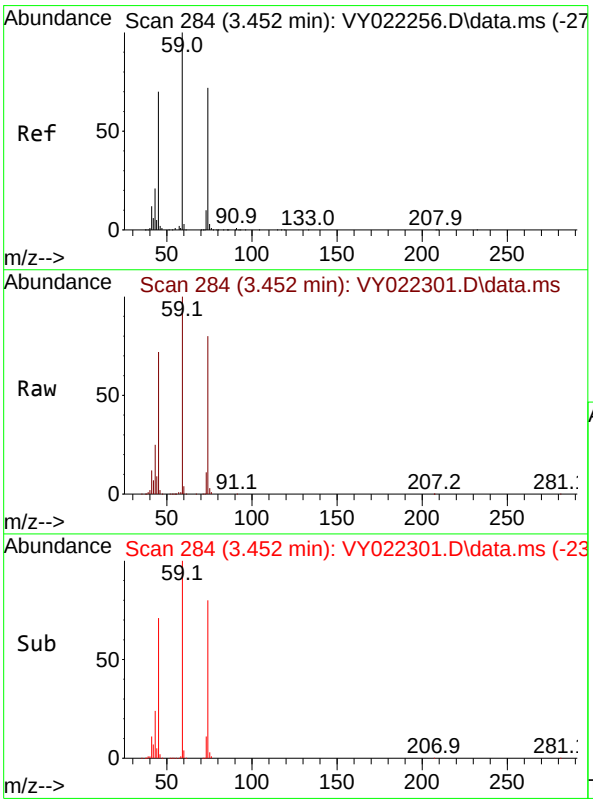
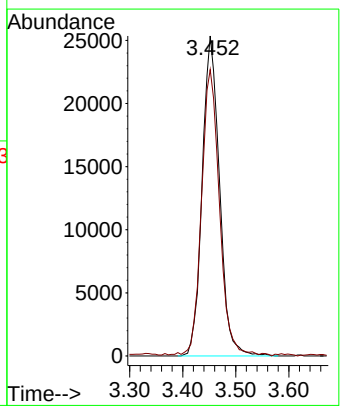
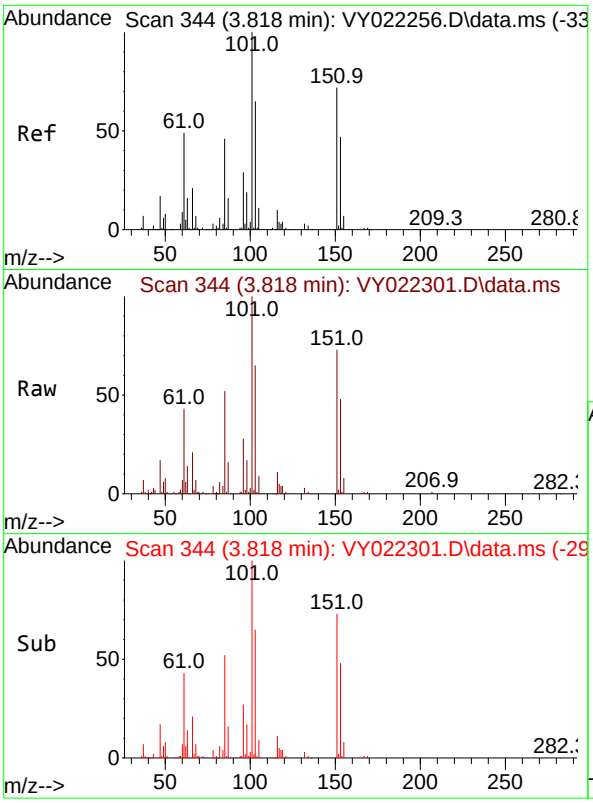


#8
Diethyl Ether
Concen: 57.015 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 74 Resp: 57553

Ion	Ratio	Lower	Upper
74	100		
45	91.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.304 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:101 Resp: 9185

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	72.4	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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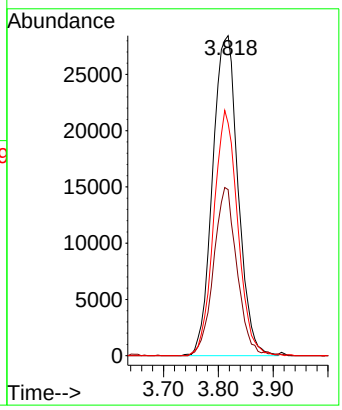
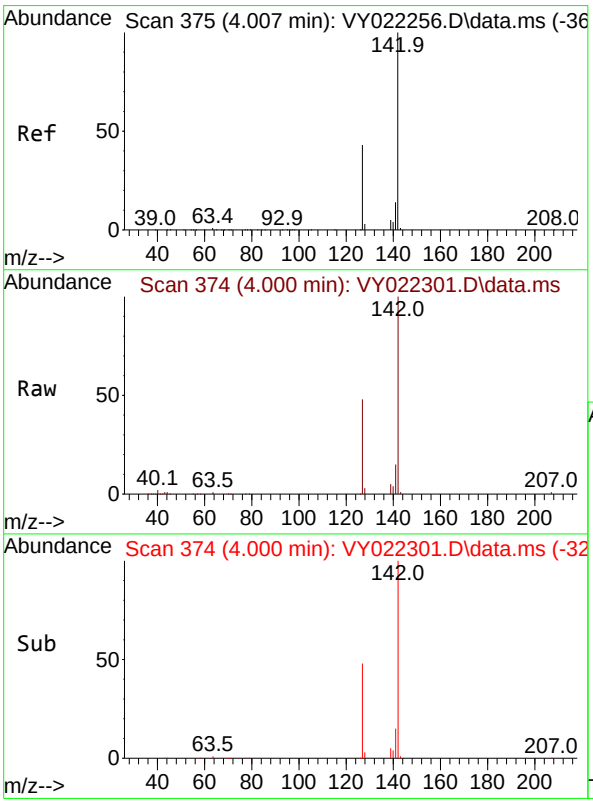
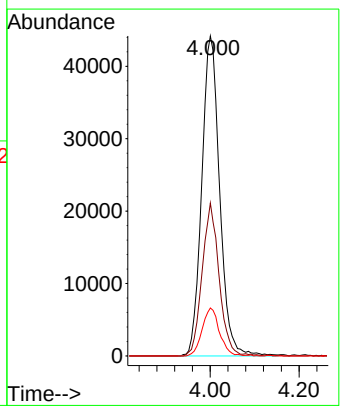


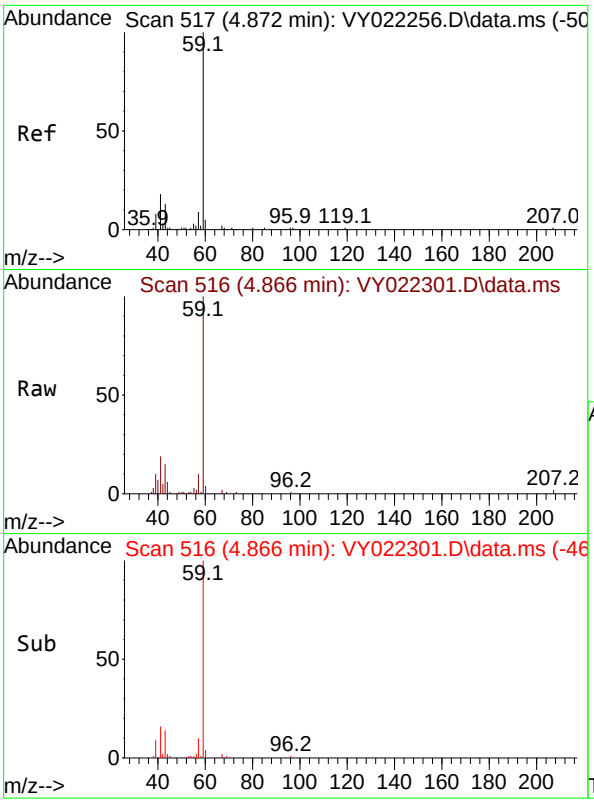


#10
Methyl Iodide
Concen: 58.800 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:142 Resp: 124272

Ion	Ratio	Lower	Upper
142	100		
127	44.9	35.7	53.5
141	14.6	11.1	16.7

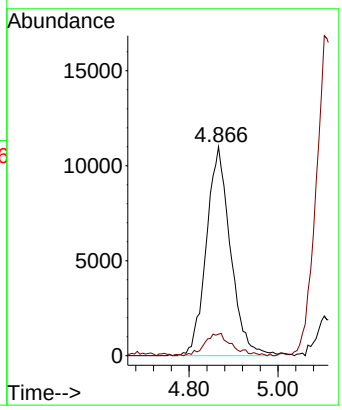




#11
Tert butyl alcohol
Concen: 293.143 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 59 Resp: 4144

Ion	Ratio	Lower	Upper
59	100		
57	10.8	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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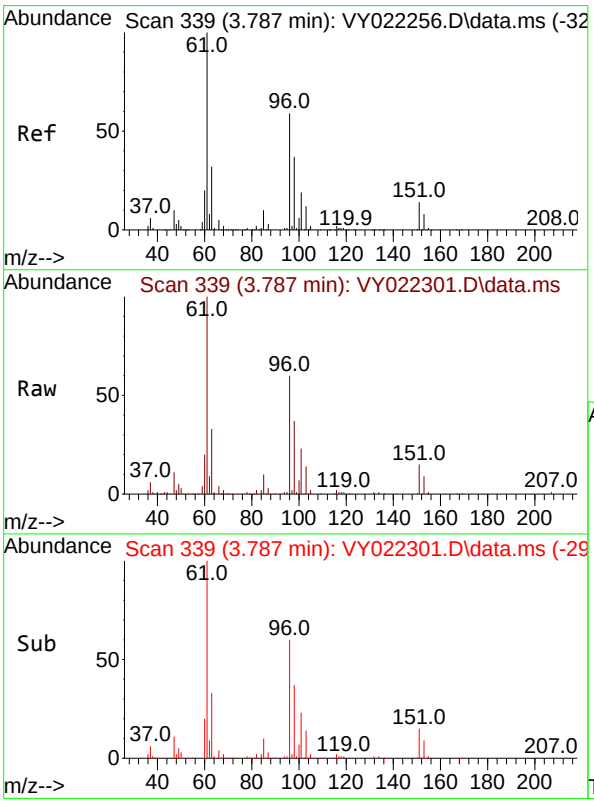
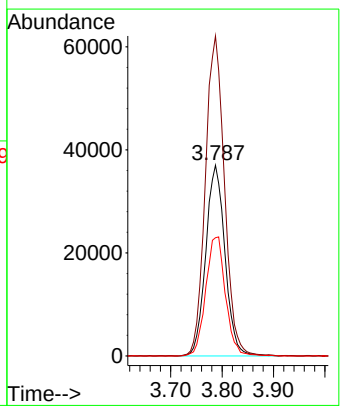
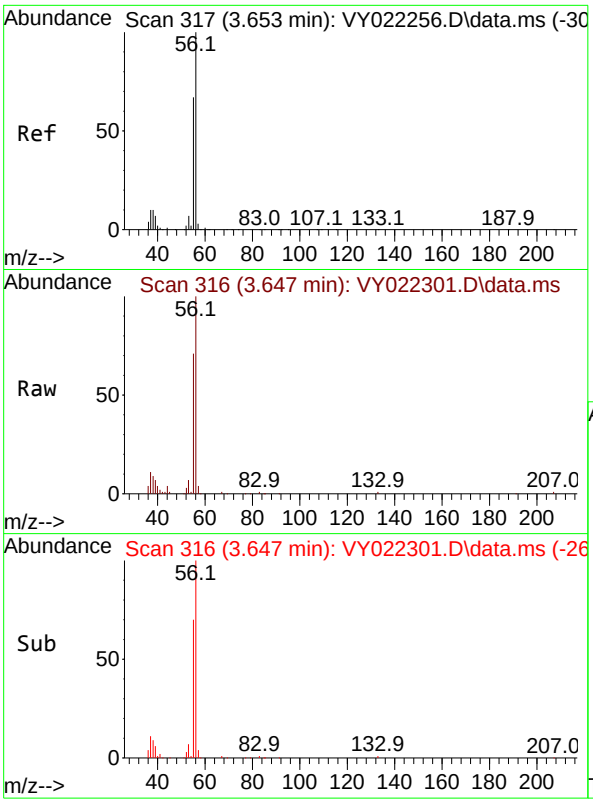


#12
1,1-Dichloroethene
Concen: 53.144 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 96 Resp: 96302

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.9	202.3
98	62.0	49.9	74.9

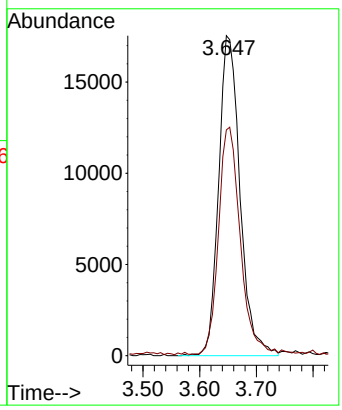




#13
Acrolein
Concen: 221.842 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 56 Resp: 4585

Ion	Ratio	Lower	Upper
56	100		
55	71.9	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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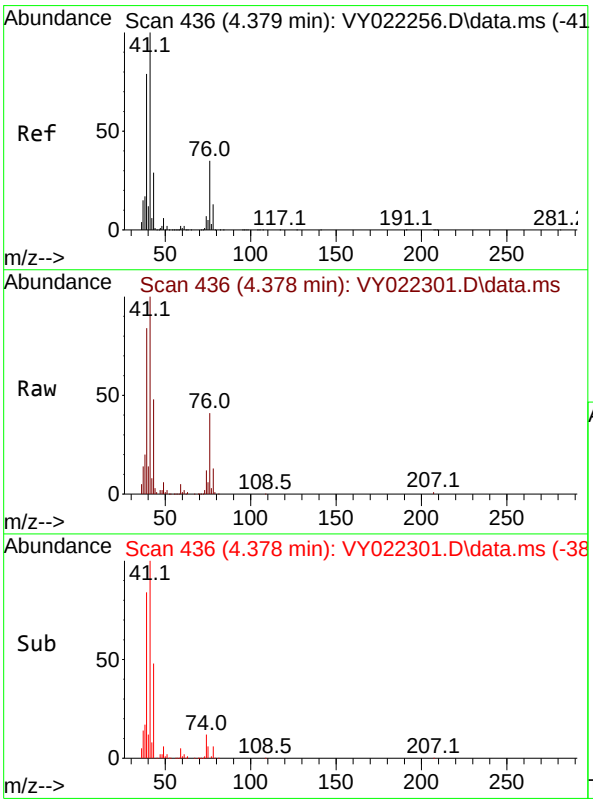
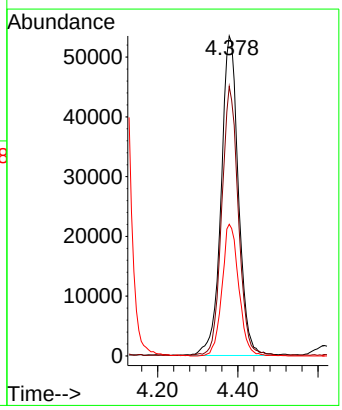
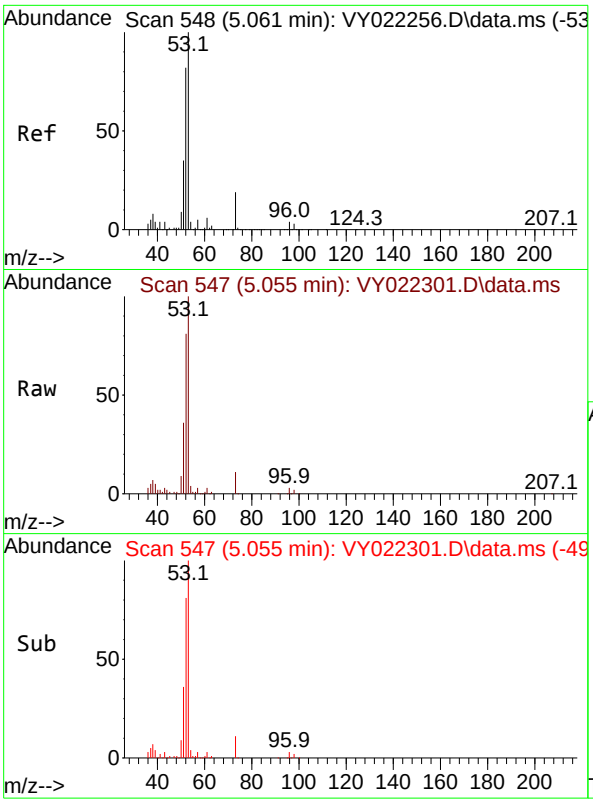


#14
Allyl chloride
Concen: 50.390 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 41 Resp: 160107

Ion	Ratio	Lower	Upper
41	100		
39	80.8	63.4	95.0
76	39.8	29.5	44.3





#15
Acrylonitrile
Concen: 294.229 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 53 Resp: 12237

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.1	99.1
51	38.0	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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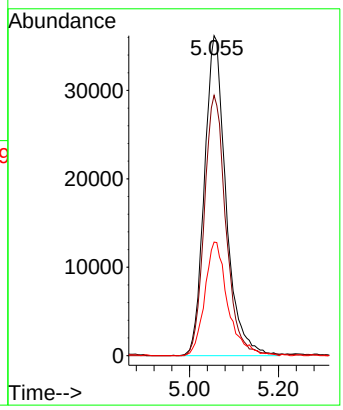
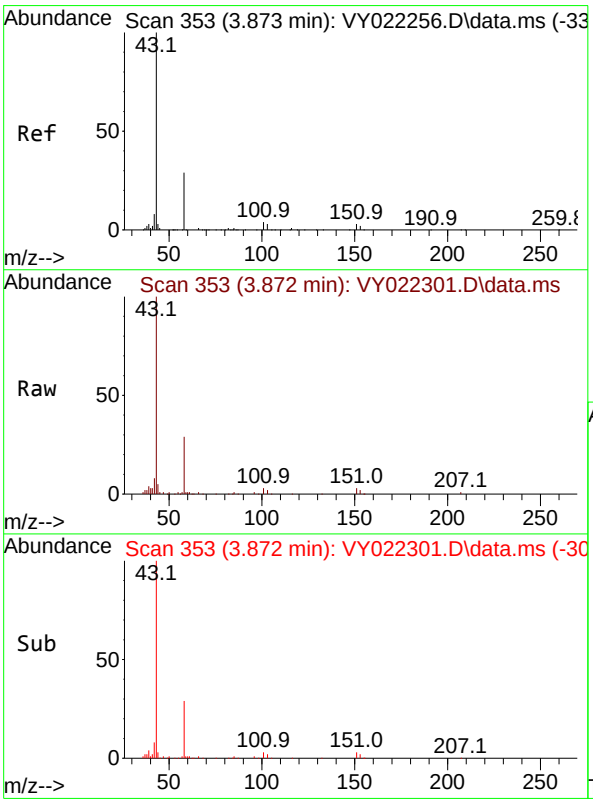
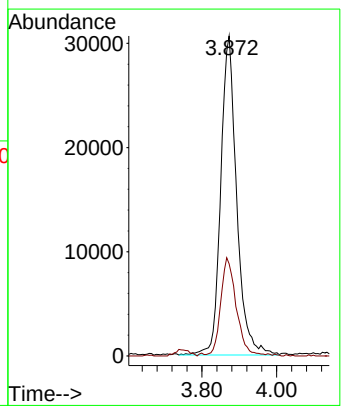


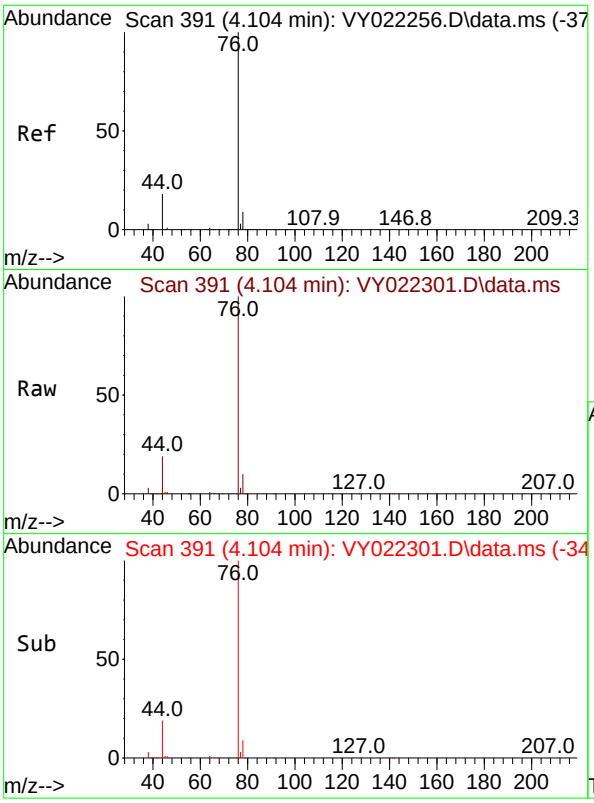


#16
Acetone
Concen: 261.381 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 90742

Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.6	35.4





#17
Carbon Disulfide
Concen: 52.482 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 76 Resp: 31011

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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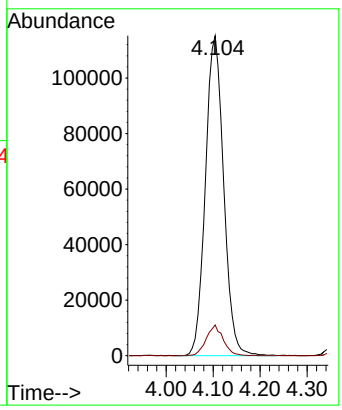
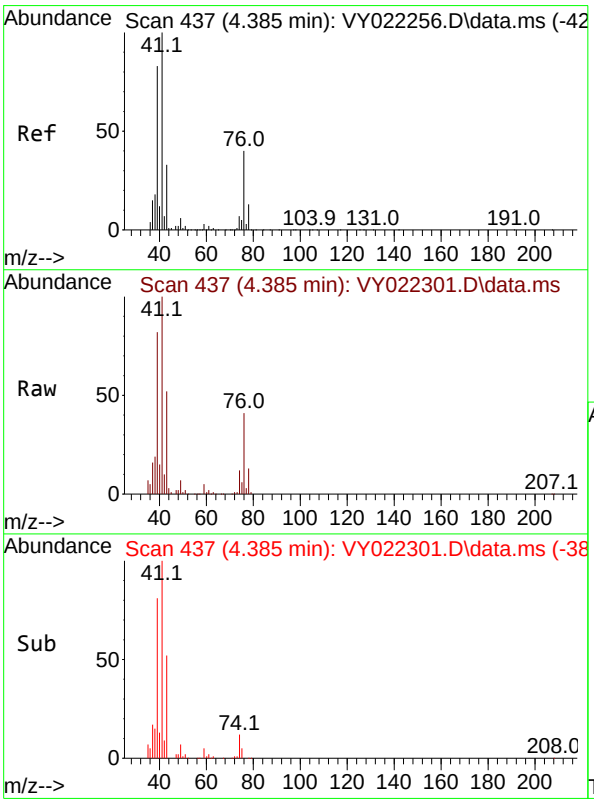
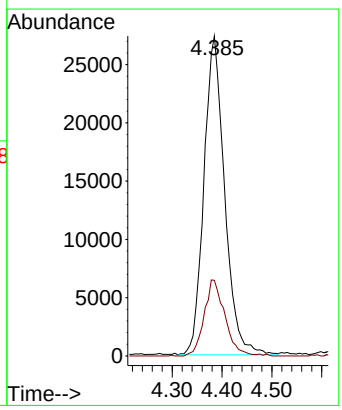


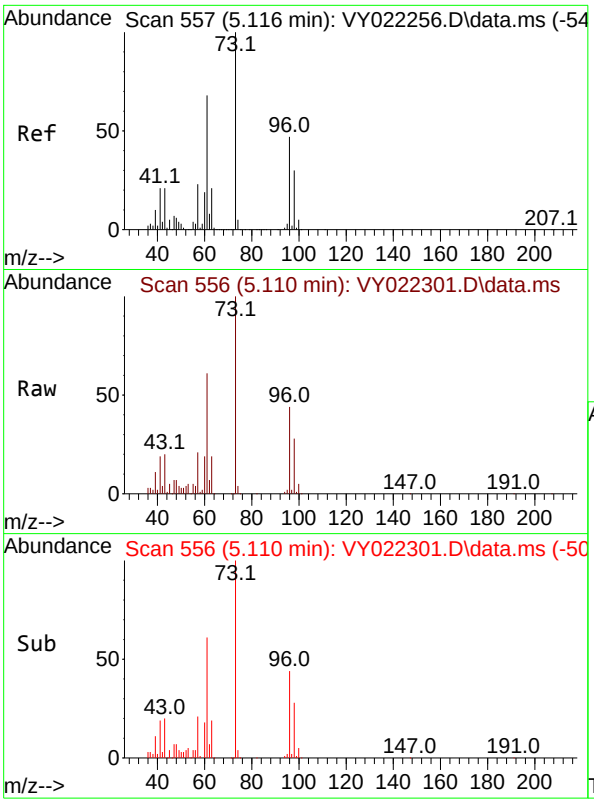


#18
Methyl Acetate
Concen: 72.098 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 78917

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.2	27.4





#19
Methyl tert-butyl Ether
Concen: 57.942 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 73 Resp: 28950

Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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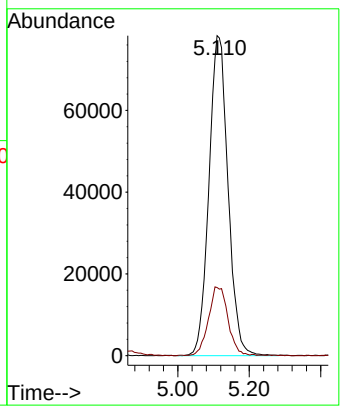
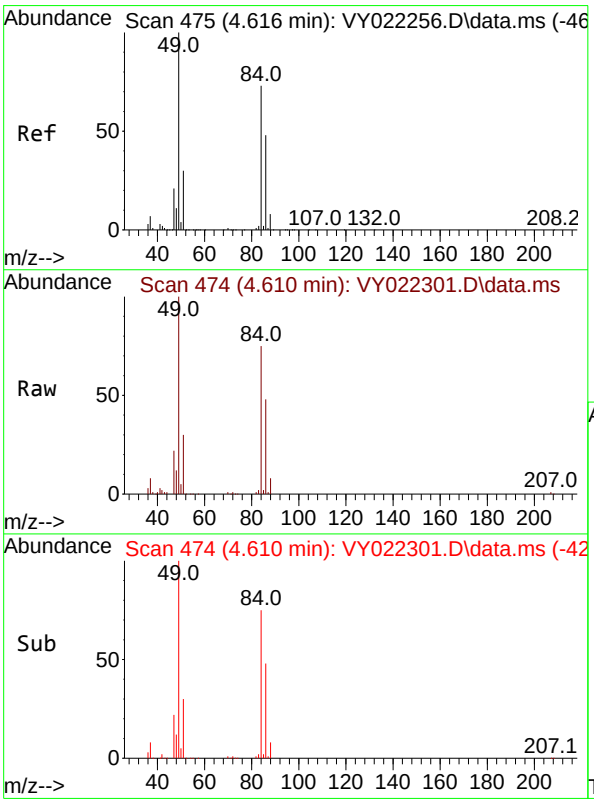
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

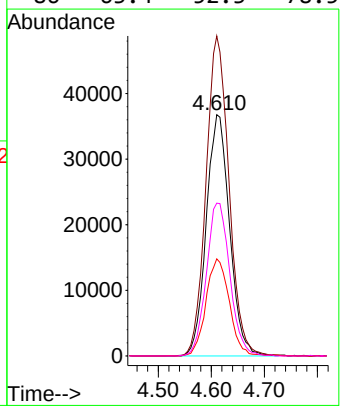


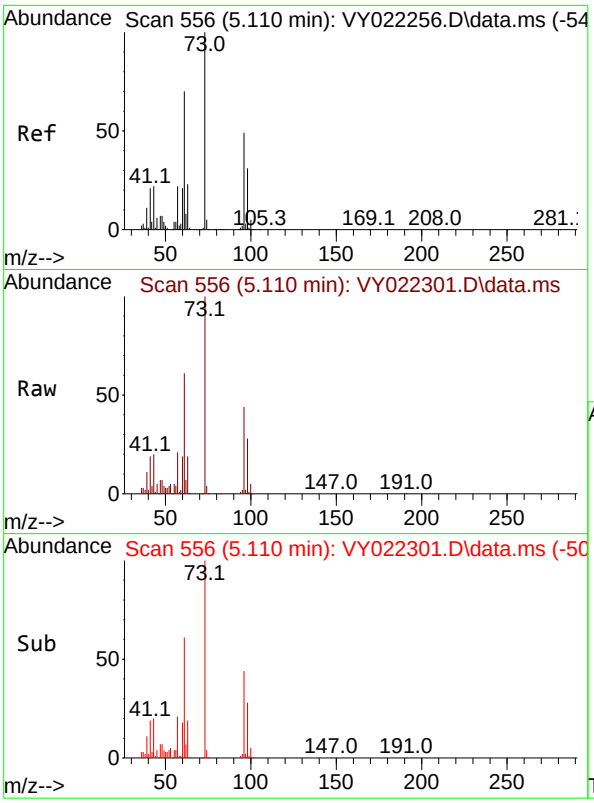


#20
Methylene Chloride
Concen: 50.040 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 84 Resp: 112252

Ion	Ratio	Lower	Upper
84	100		
49	132.5	109.6	164.4
51	40.2	32.4	48.6
86	63.4	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 53.696 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 96 Resp: 10740

Ion	Ratio	Lower	Upper
96	100		
61	138.9	113.4	170.0
98	63.8	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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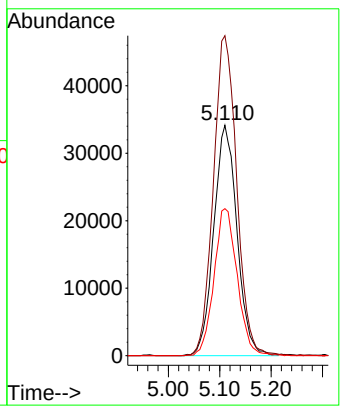
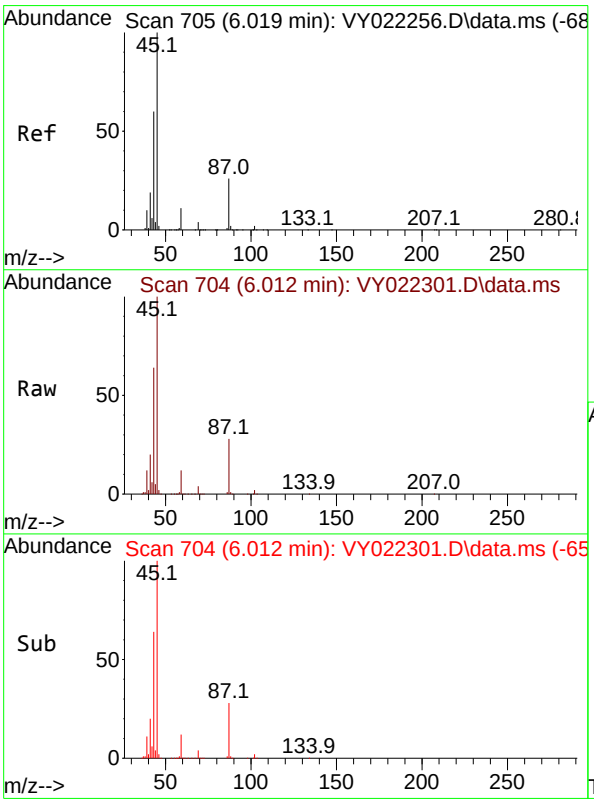
Supervised By :Semsettin Yesilyurt 05/19/2025

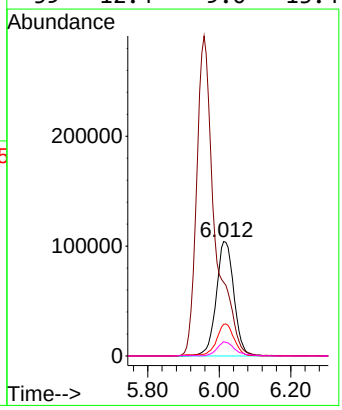


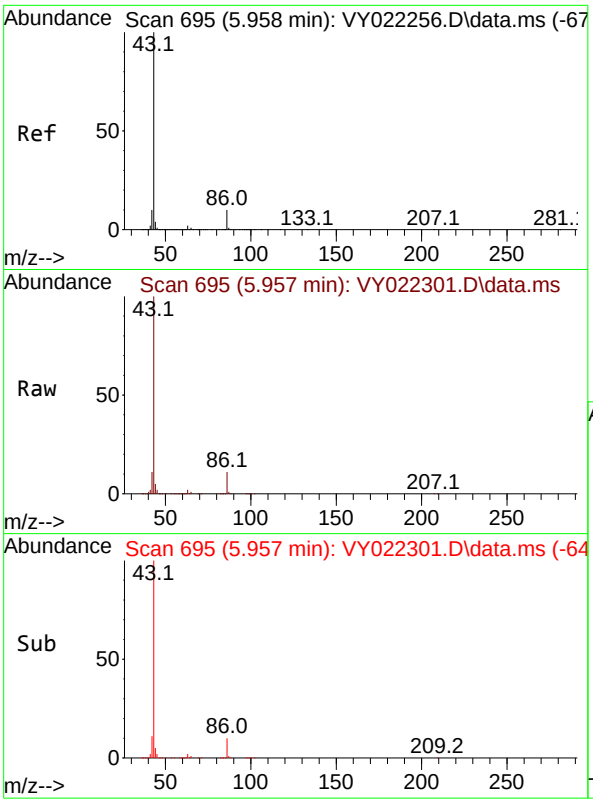


#22
Diisopropyl ether
Concen: 53.264 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 45 Resp: 357394

Ion	Ratio	Lower	Upper
45	100		
43	64.1	48.2	72.2
87	27.7	21.4	32.0
59	12.4	9.0	13.4





#23
Vinyl Acetate
Concen: 252.608 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 102399

Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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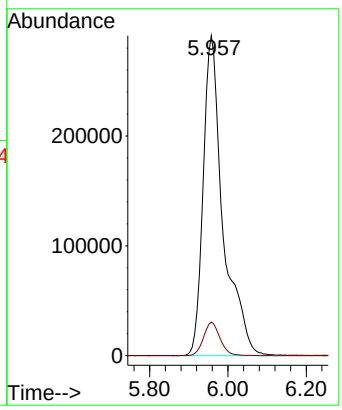
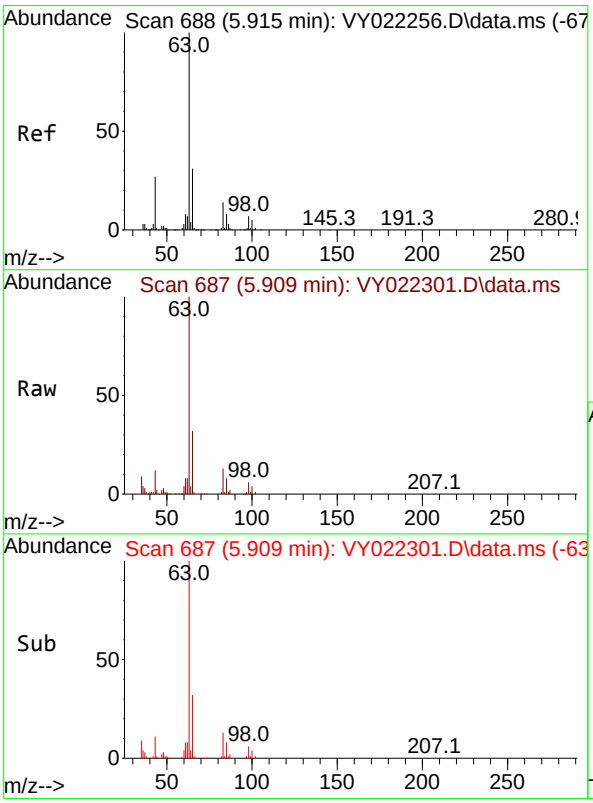
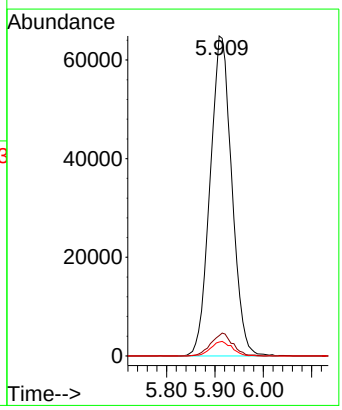


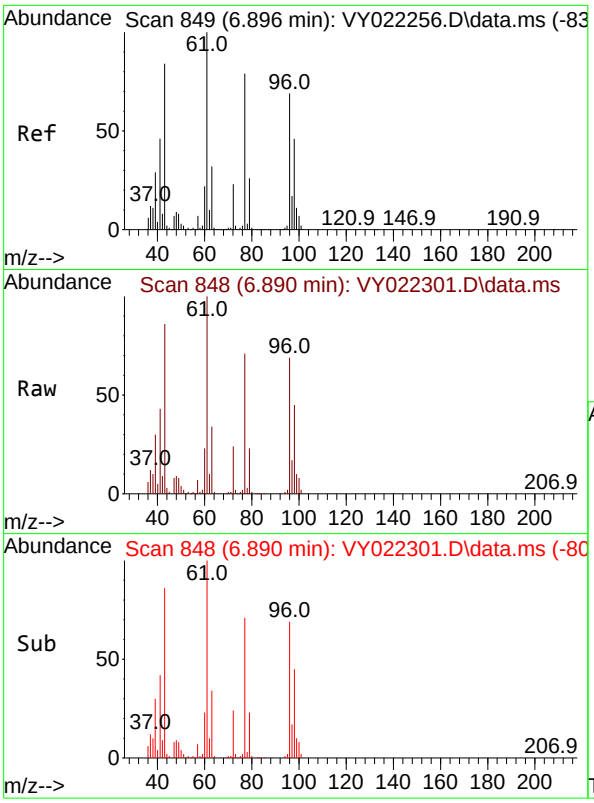


#24
1,1-Dichloroethane
Concen: 53.998 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 63 Resp: 202421

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.4	2.4	7.2





#25
2-Butanone
Concen: 273.834 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 15901(

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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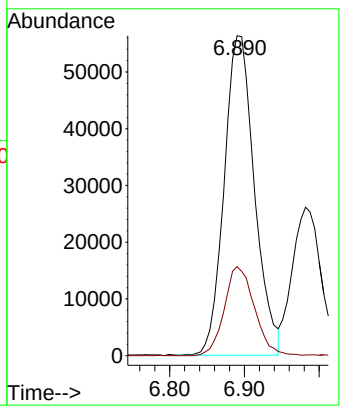
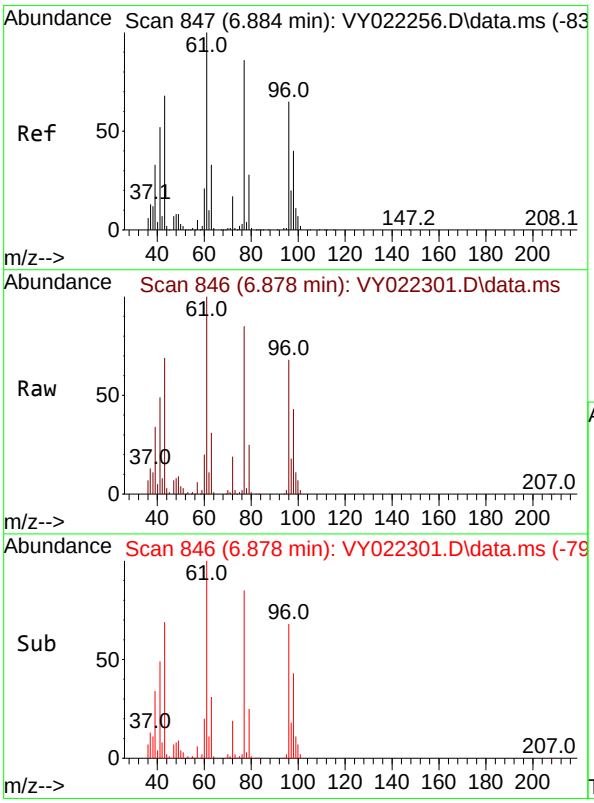
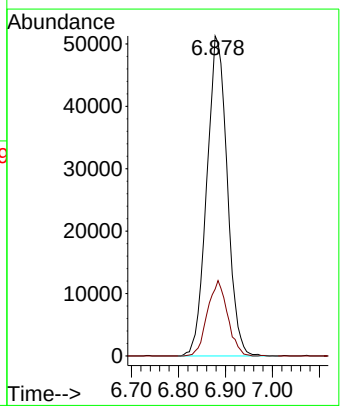


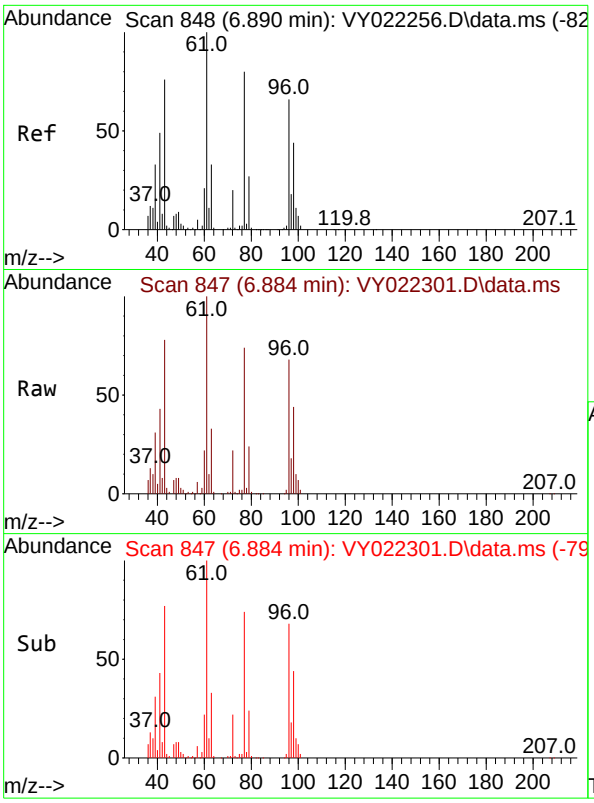


#26
2,2-Dichloropropane
Concen: 46.353 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 77 Resp: 154549

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 55.900 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 96 Resp: 12902

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	302.6
98	64.1	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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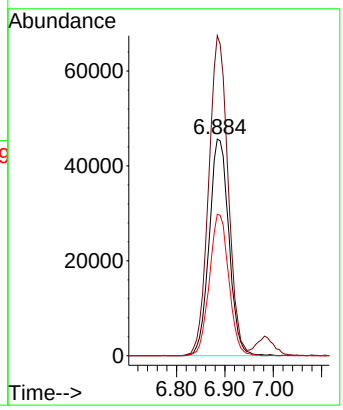
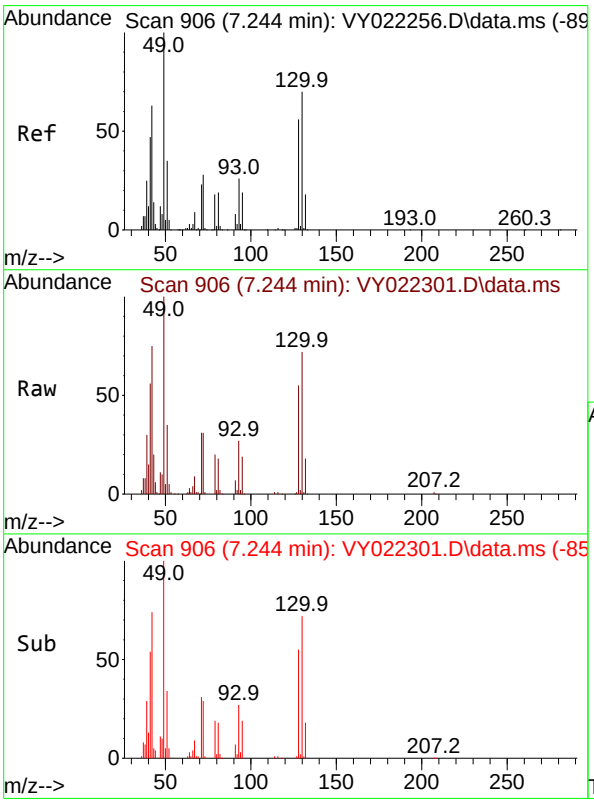
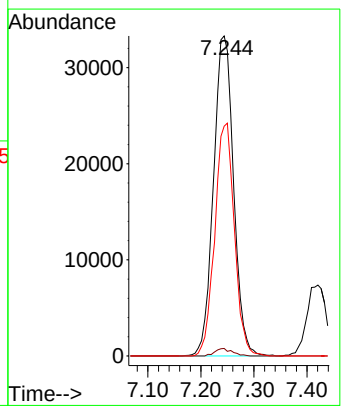


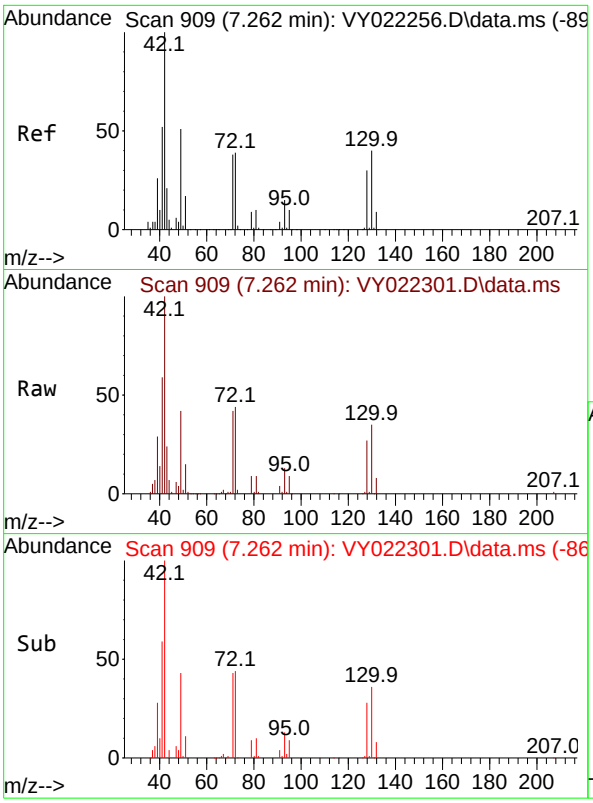


#28
Bromochloromethane
Concen: 54.788 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 49 Resp: 87604

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	71.0	54.7	82.1





#29
Tetrahydrofuran
Concen: 290.562 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 42 Resp: 10855

Ion	Ratio	Lower	Upper
42	100		
72	44.1	33.8	50.6
71	42.5	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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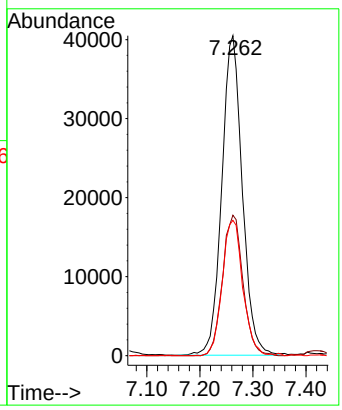
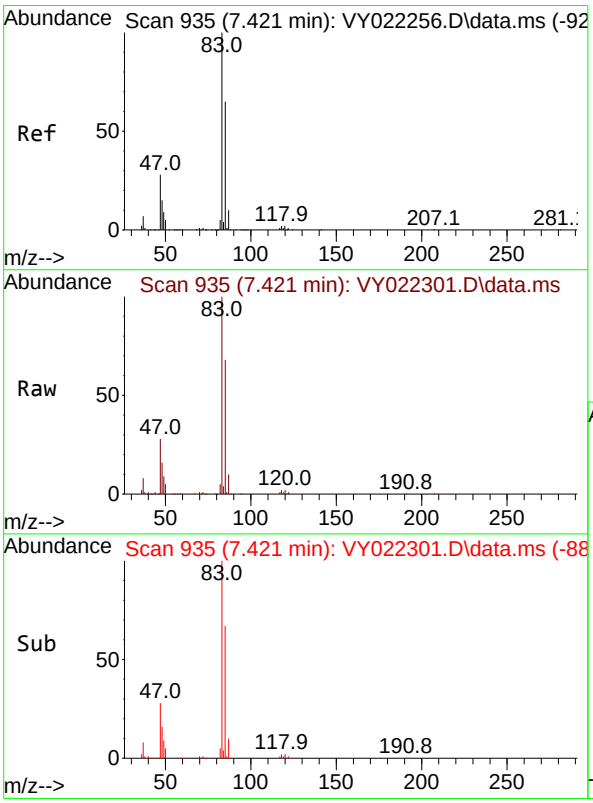
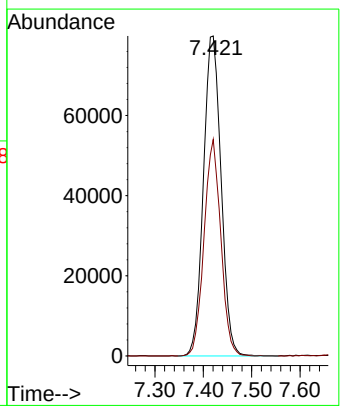


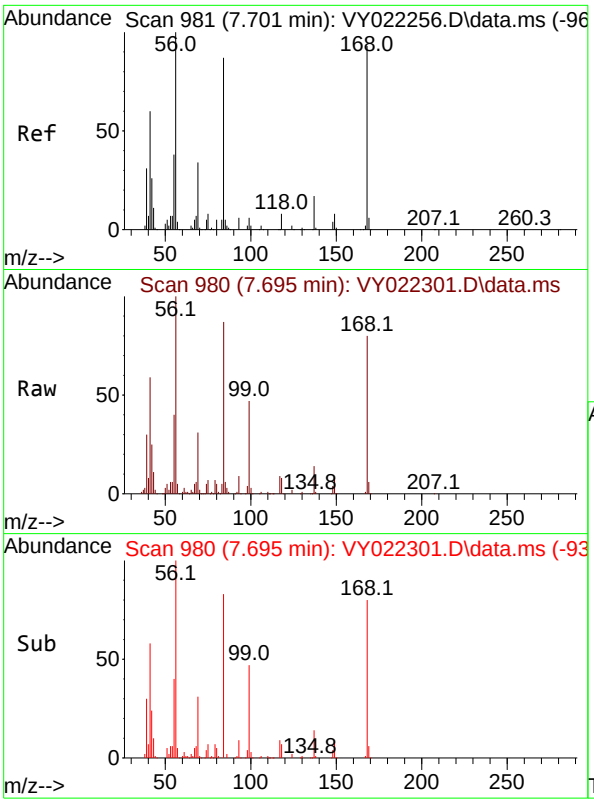


#30
Chloroform
Concen: 56.301 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 83 Resp: 202440

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.8

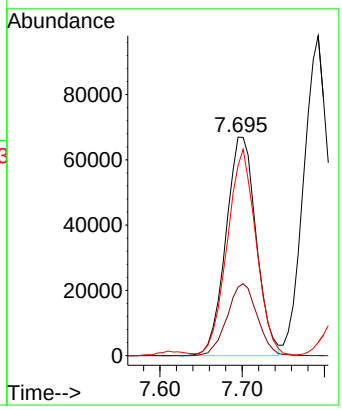




#31
Cyclohexane
Concen: 45.799 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 56 Resp: 17153

Ion	Ratio	Lower	Upper
56	100		
69	31.3	27.4	41.2
84	85.2	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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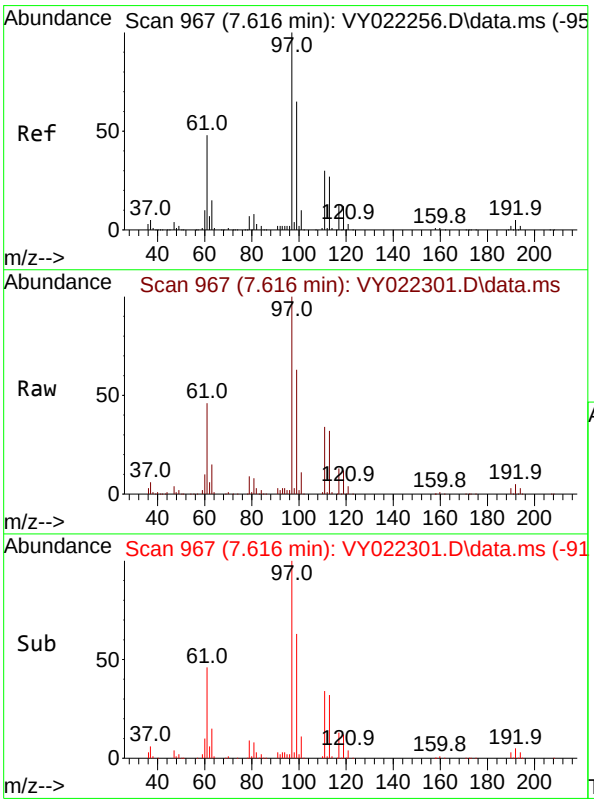
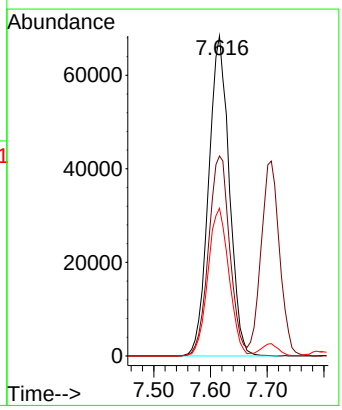
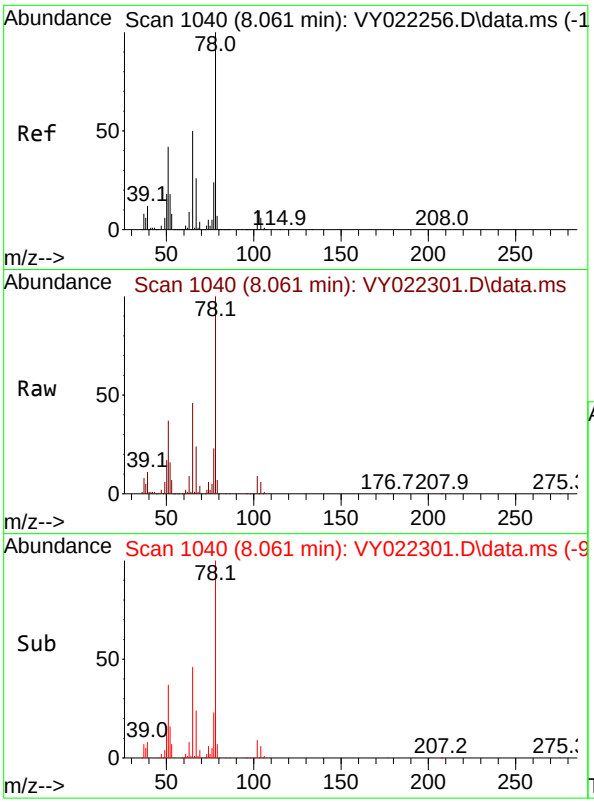


#32
1,1,1-Trichloroethane
Concen: 52.300 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 97 Resp: 172530

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.3	38.1	57.1

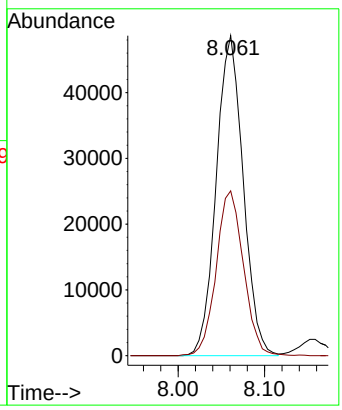




#33
1,2-Dichloroethane-d4
Concen: 56.783 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 65 Resp: 10513

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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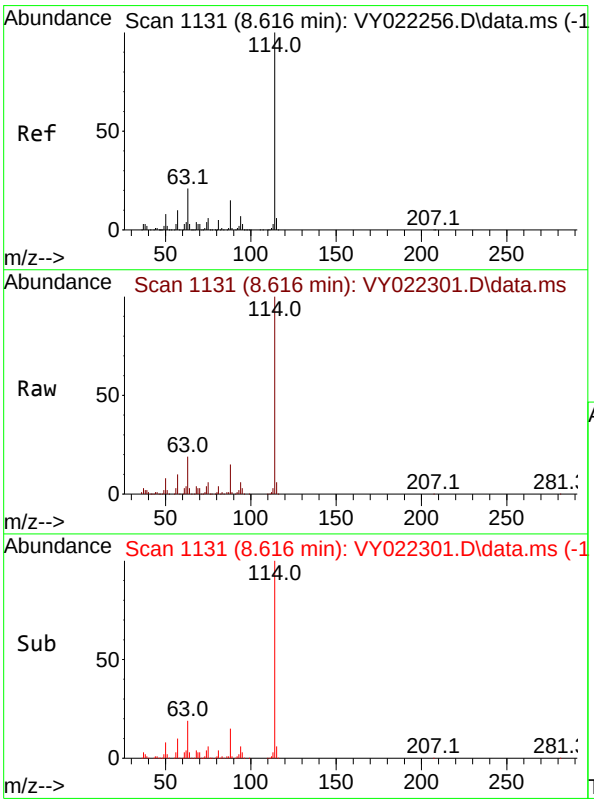
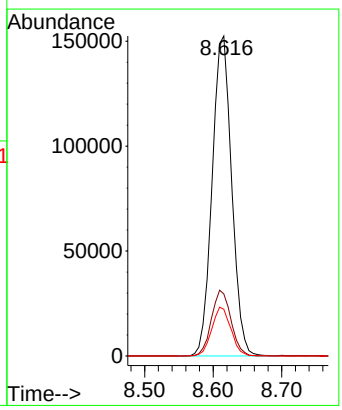
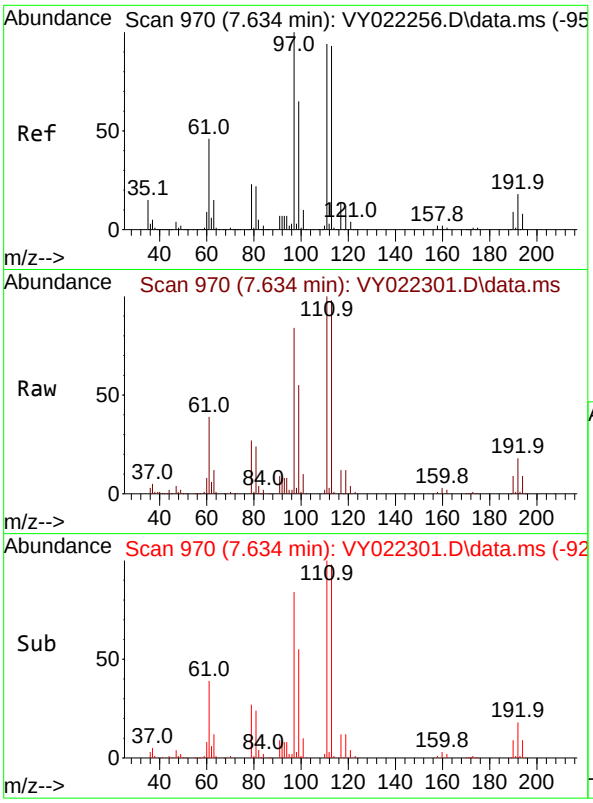


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:114 Resp: 301400

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.0
88	14.6	0.0	29.4

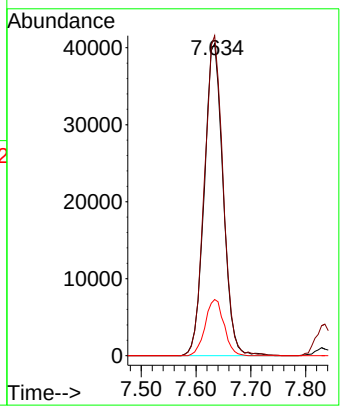




#35
Dibromofluoromethane
Concen: 53.347 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:113 Resp: 9596

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	18.1	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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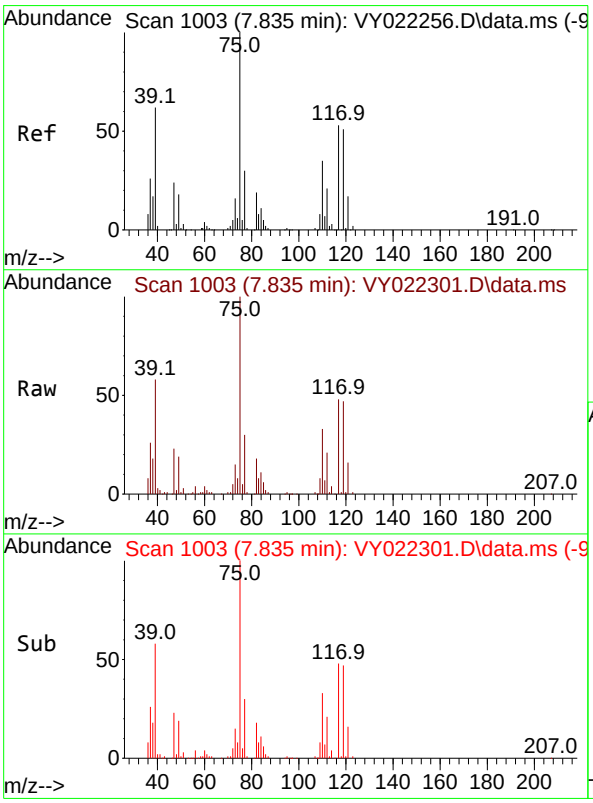
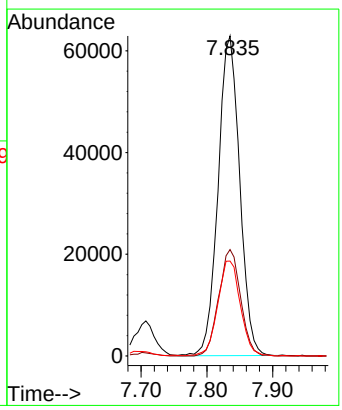
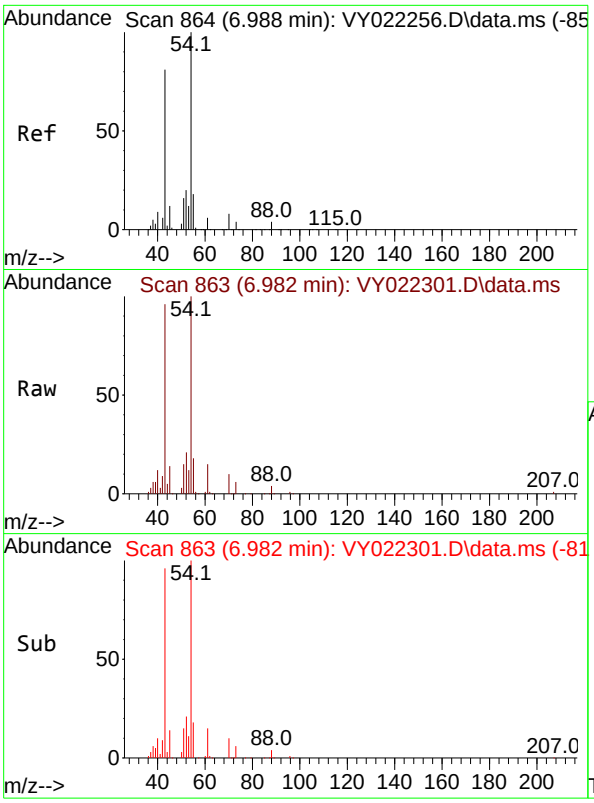


#36
1,1-Dichloropropene
Concen: 48.494 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 143691

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.6	49.8
77	31.1	24.6	37.0

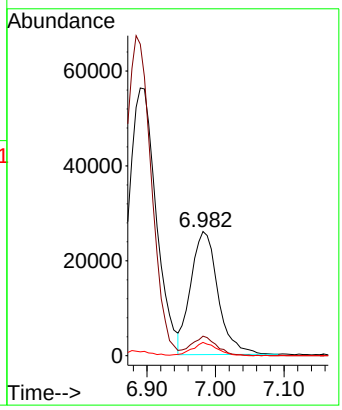




#37
Ethyl Acetate
Concen: 50.310 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 7172

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	9.8	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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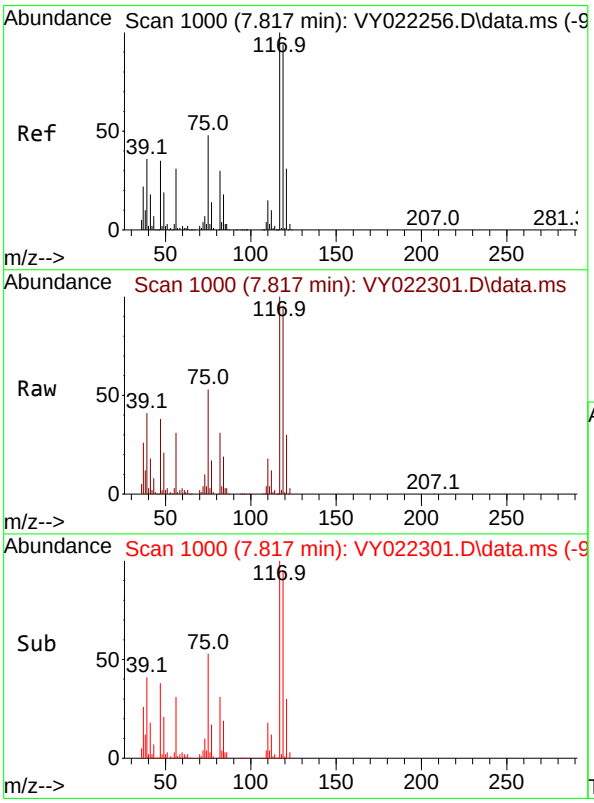
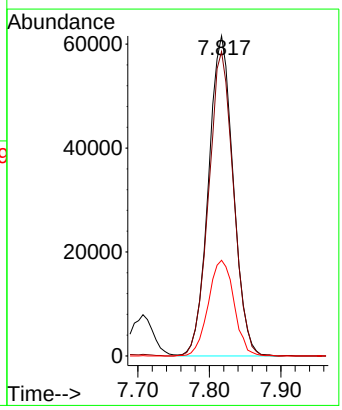
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

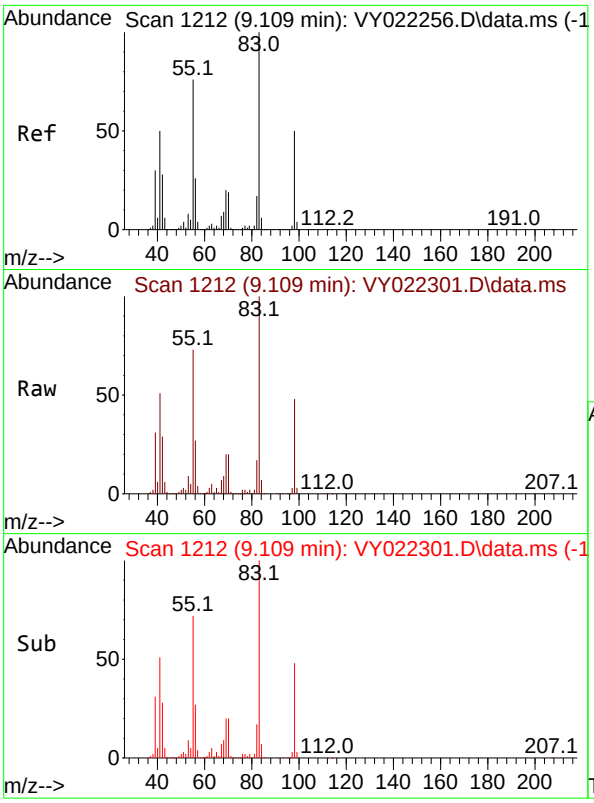


#38
Carbon Tetrachloride
Concen: 48.210 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:117 Resp: 147865

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.3	112.9
121	29.9	24.7	37.1





#39
Methylcyclohexane
Concen: 45.224 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 83 Resp: 18003

Ion	Ratio	Lower	Upper
83	100		
55	72.6	60.6	90.8
98	48.0	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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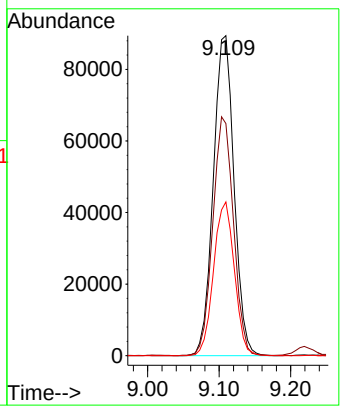
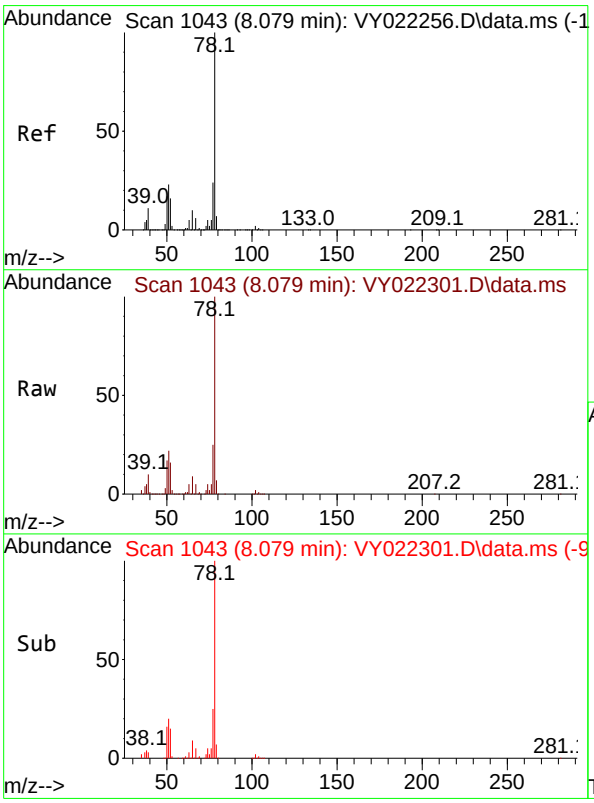
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

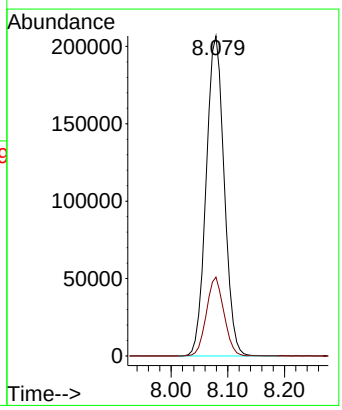


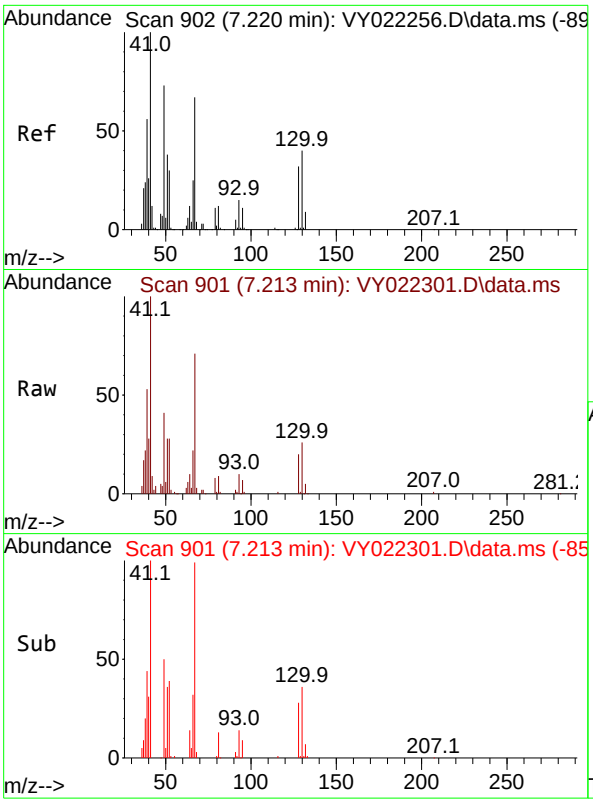


#40
Benzene
Concen: 51.925 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 78 Resp: 456109

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3

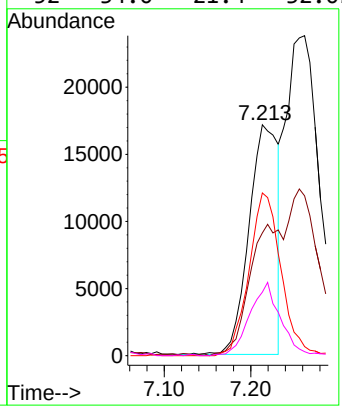




#41
Methacrylonitrile
Concen: 42.134 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 41 Resp: 3984

Ion	Ratio	Lower	Upper
41	100		
39	65.5	39.1	58.7#
67	77.9	47.1	70.7#
52	34.0	21.4	32.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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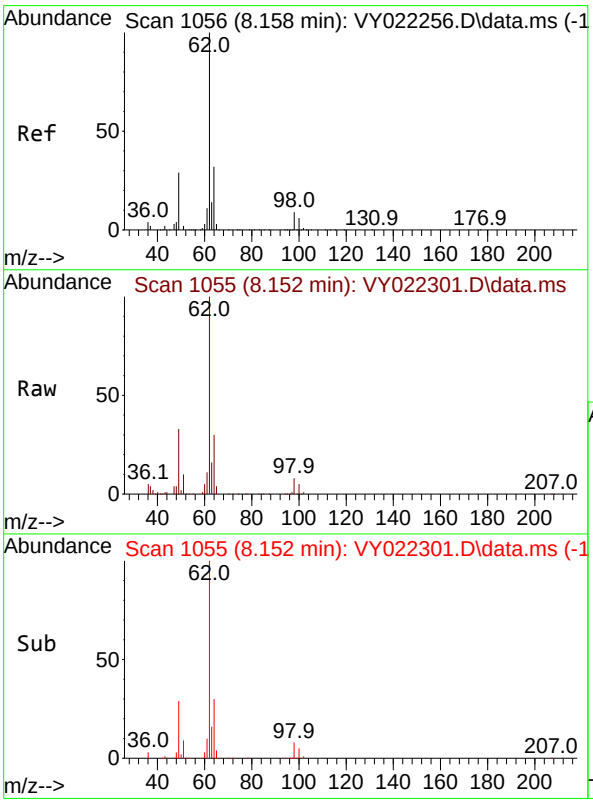
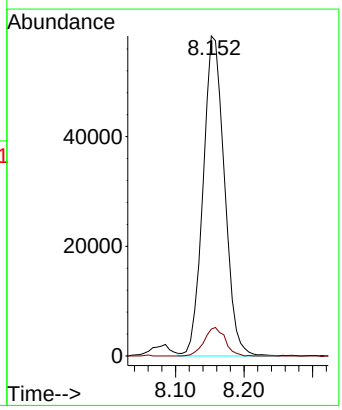
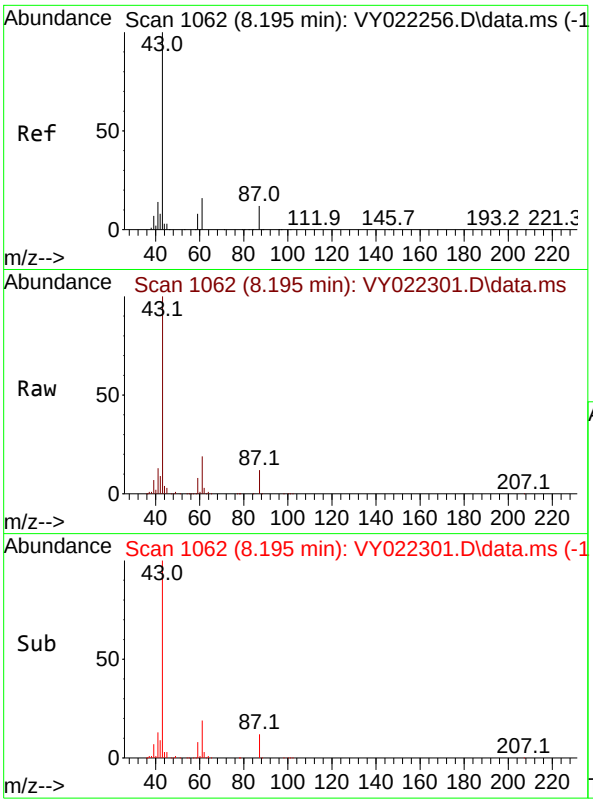


#42
1,2-Dichloroethane
Concen: 53.352 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 62 Resp: 126733

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4





#43
Isopropyl Acetate
Concen: 51.797 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 16104

Ion	Ratio	Lower	Upper
43	100		
61	26.7	15.1	22.7#
87	11.9	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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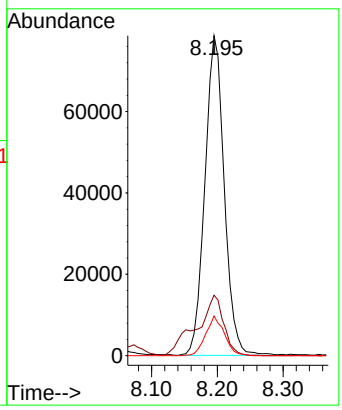
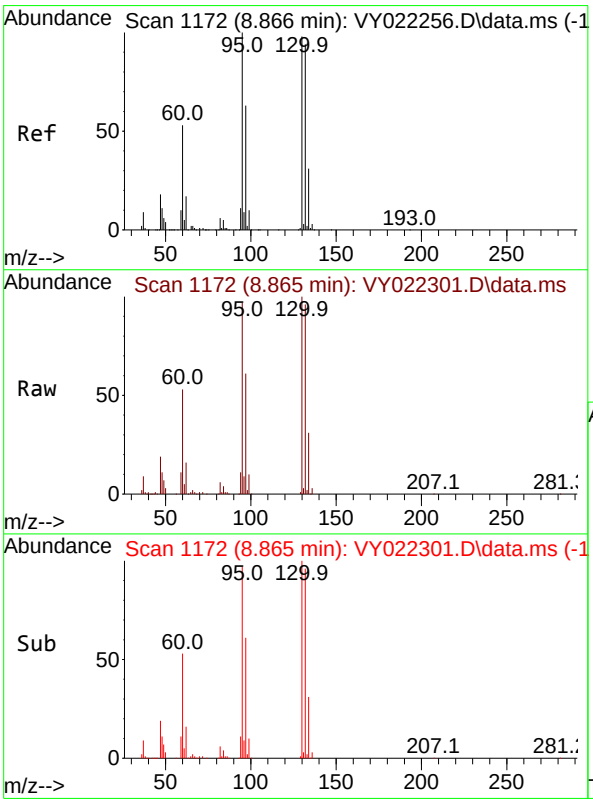
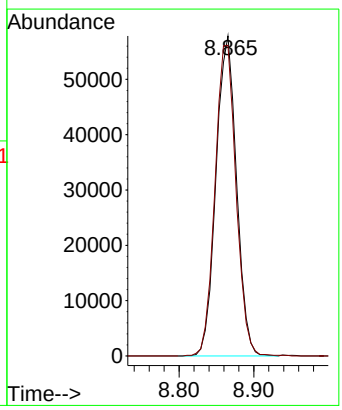


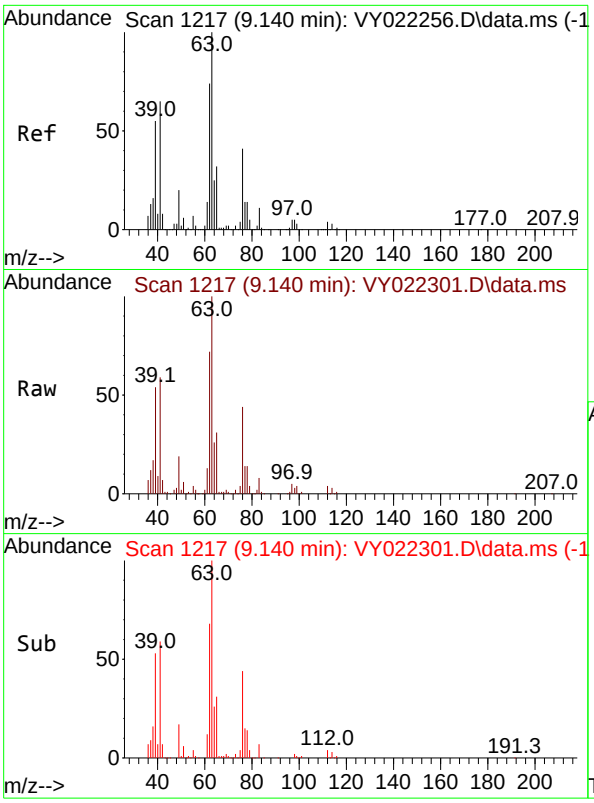


#44
Trichloroethene
Concen: 50.616 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:130 Resp: 110550

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	204.8

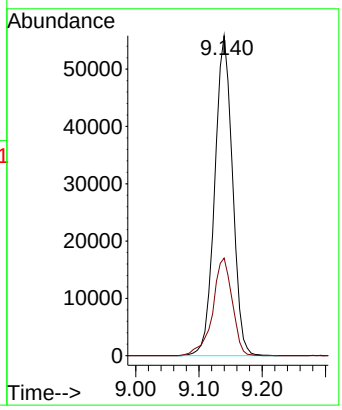




#45
1,2-Dichloropropane
Concen: 51.337 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 63 Resp: 10871

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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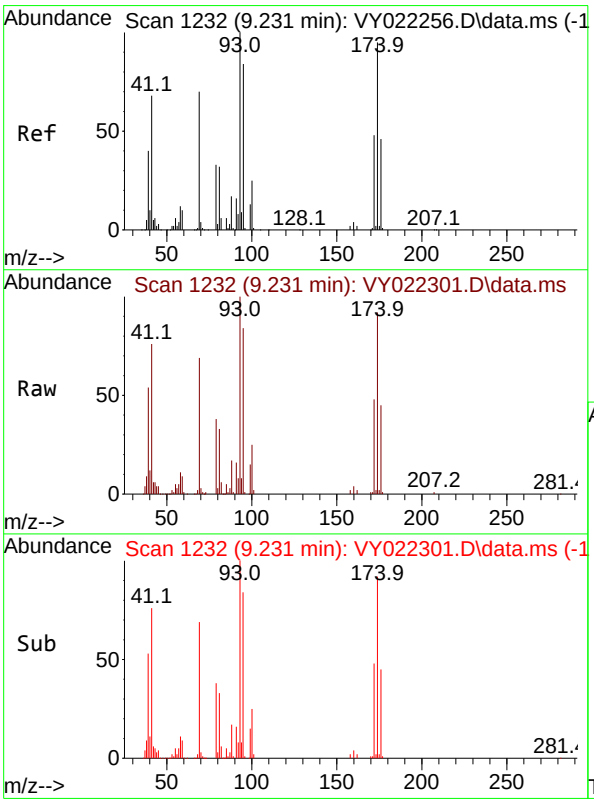
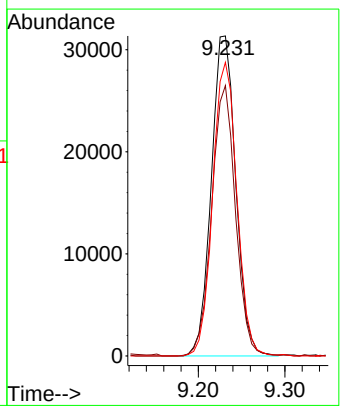
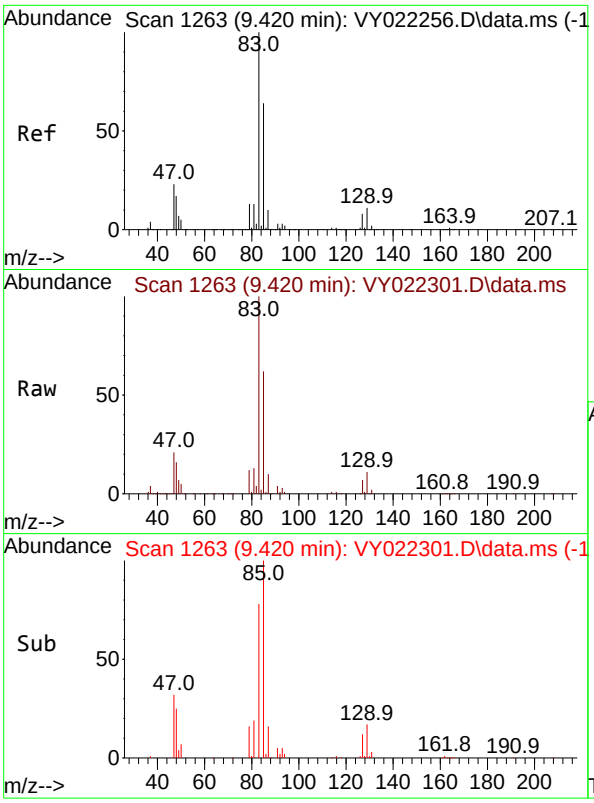


#46
Dibromomethane
Concen: 53.928 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 93 Resp: 61598

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.2	97.8
174	90.7	74.3	111.5

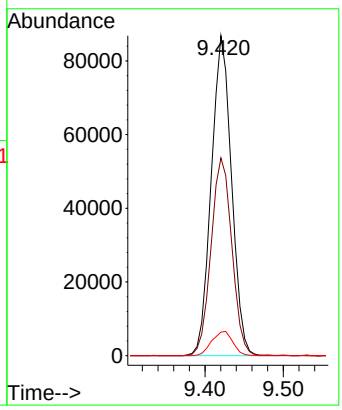




#47
Bromodichloromethane
Concen: 52.627 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 83 Resp: 15594

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	7.4	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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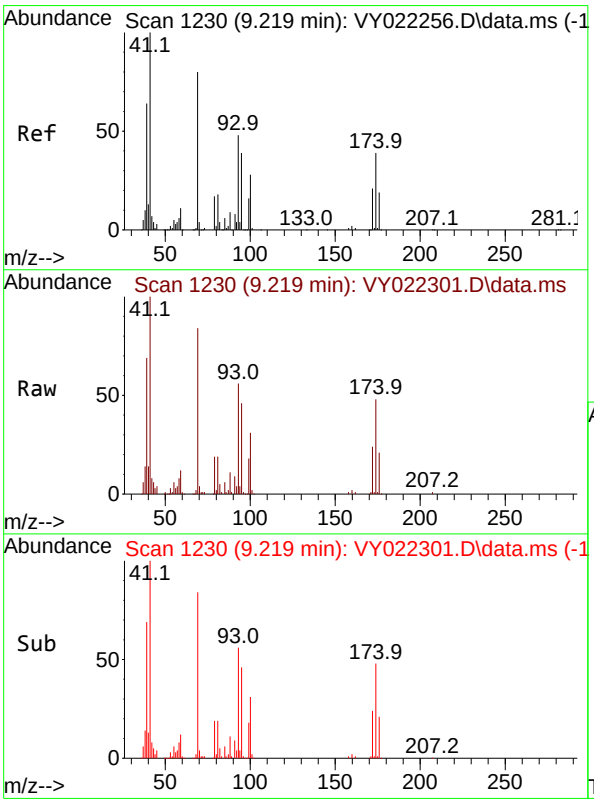
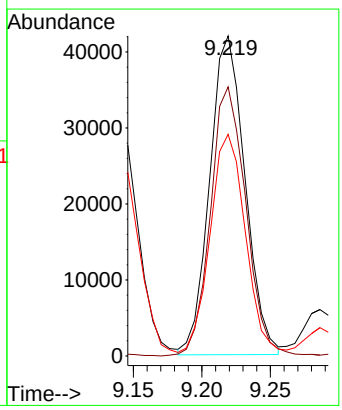
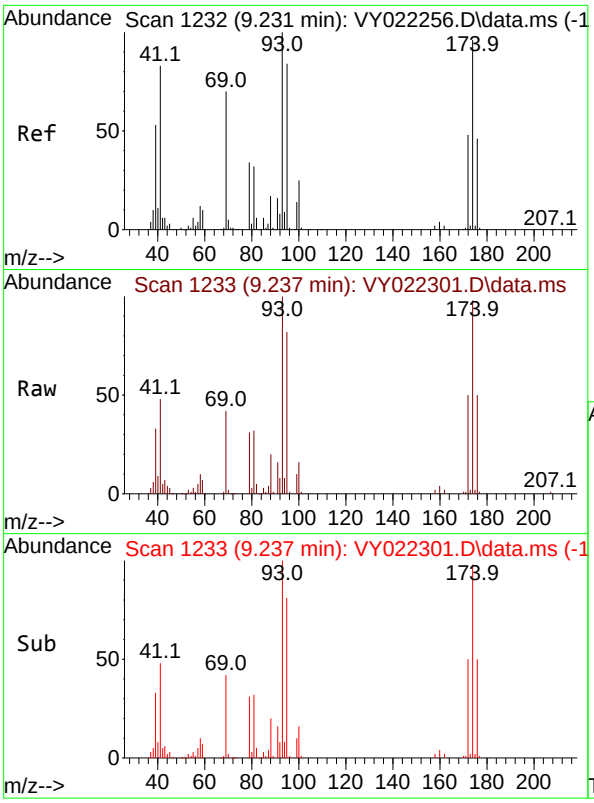


#48
Methyl methacrylate
Concen: 51.751 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 41 Resp: 75248

Ion	Ratio	Lower	Upper
41	100		
69	84.7	63.5	95.3
39	67.9	50.8	76.2

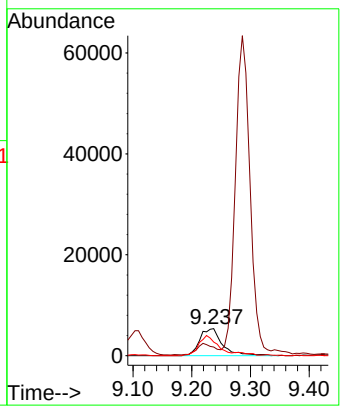




#49
1,4-Dioxane
Concen: 1116.500 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 88 Resp: 1440

Ion	Ratio	Lower	Upper
88	100		
43	34.0	28.5	42.7
58	60.6	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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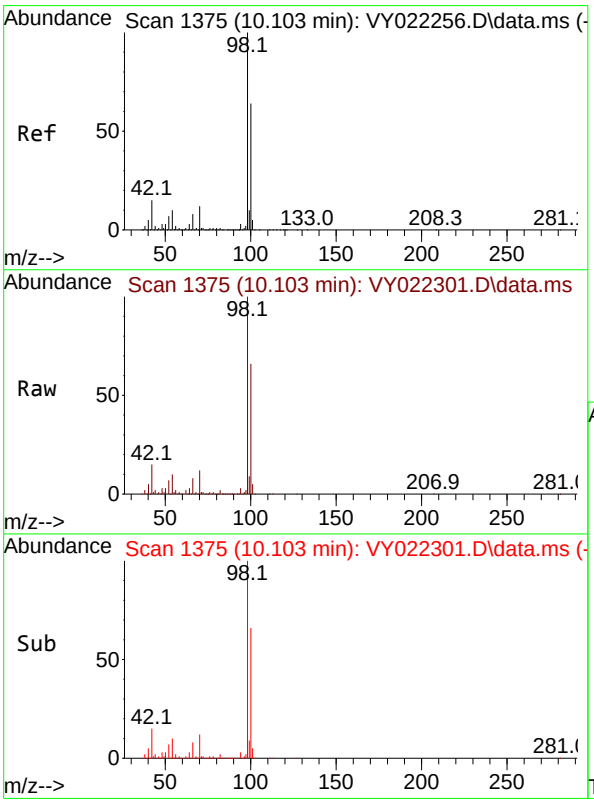
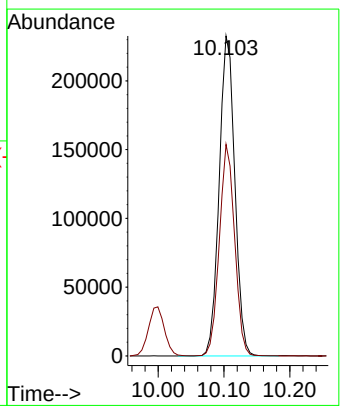
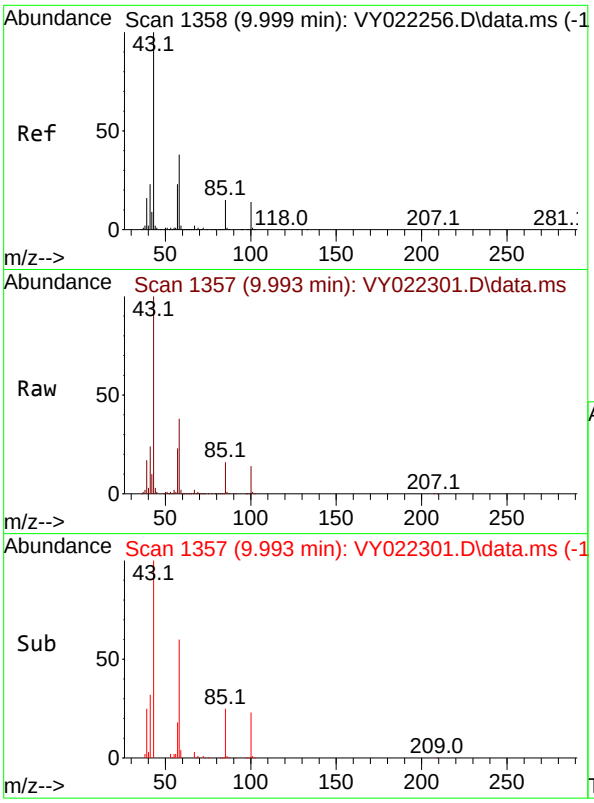


#50
Toluene-d8
Concen: 52.262 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 98 Resp: 385048

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8

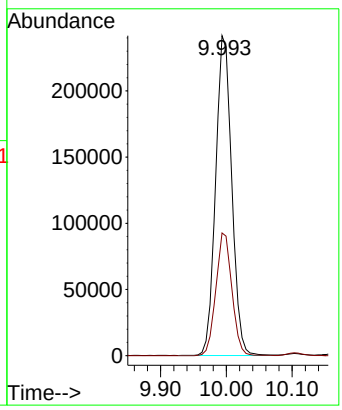




#51
4-Methyl-2-Pentanone
Concen: 270.195 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 41221

Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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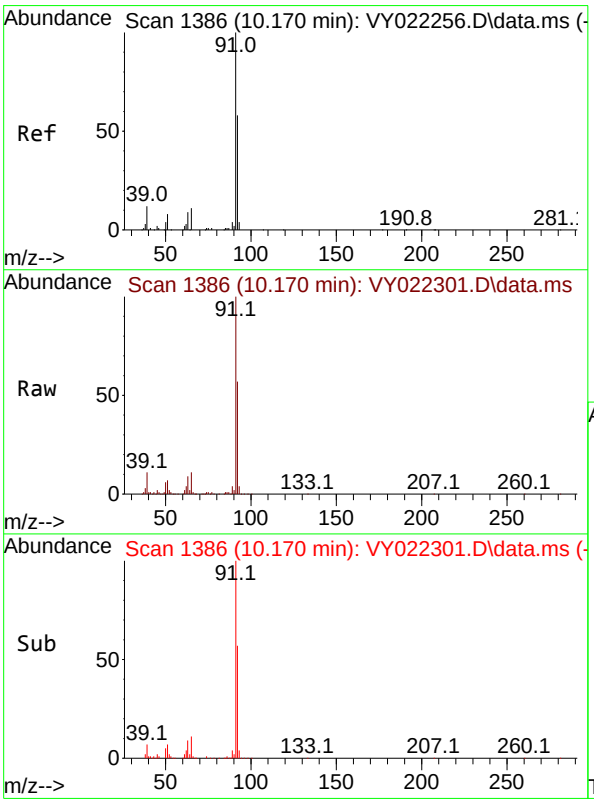
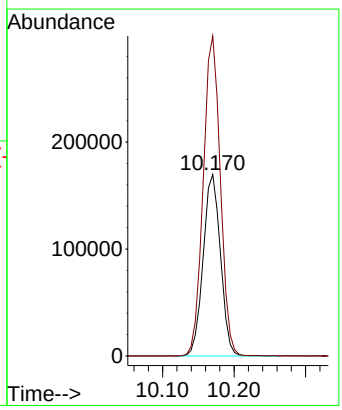
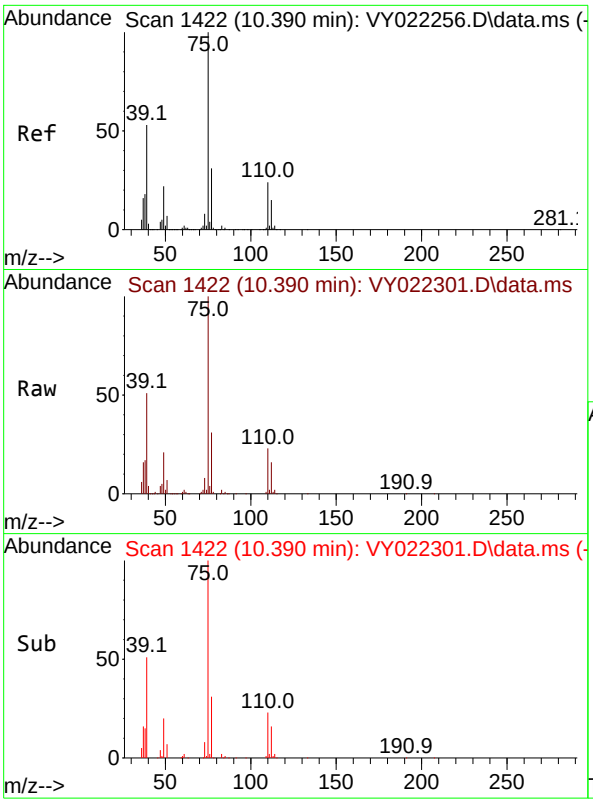


#52
Toluene
Concen: 51.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 92 Resp: 284515

Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.1	208.7

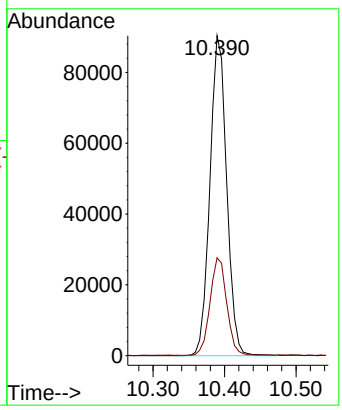




#53
t-1,3-Dichloropropene
Concen: 50.870 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 14710

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
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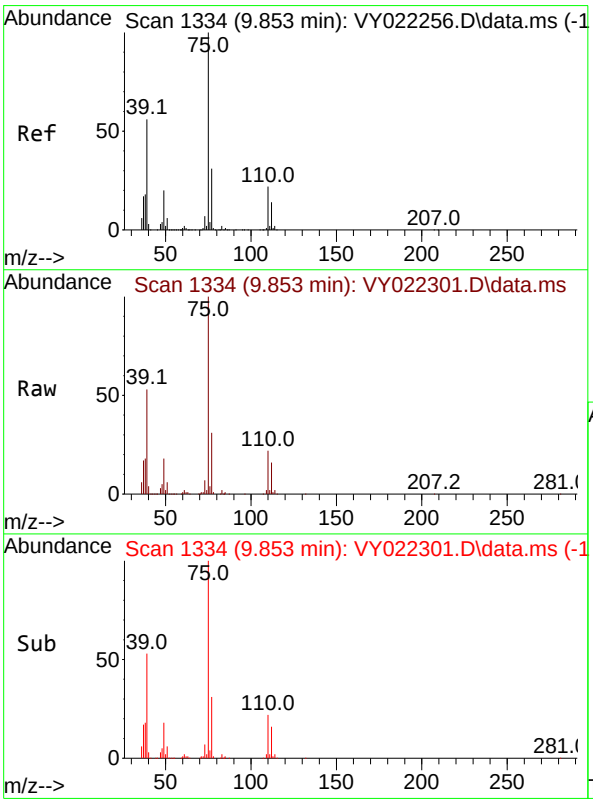
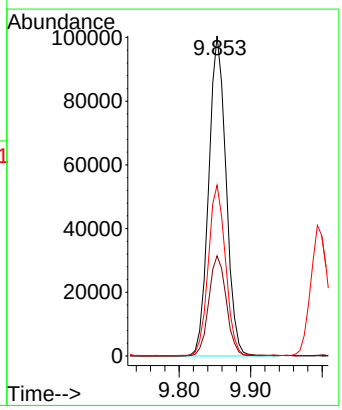
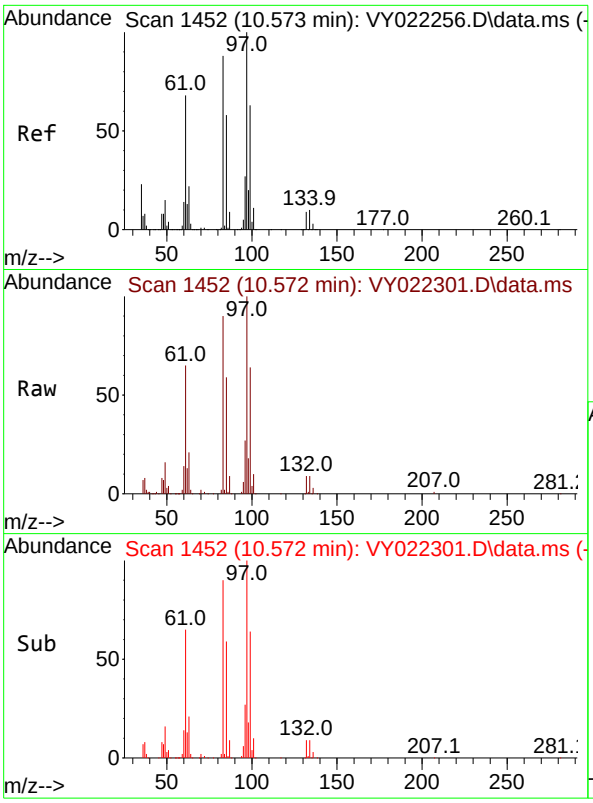


#54
cis-1,3-Dichloropropene
Concen: 51.085 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 169256

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	53.2	44.5	66.7

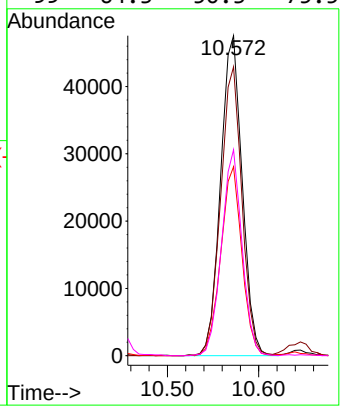




#55
1,1,2-Trichloroethane
Concen: 53.400 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 97 Resp: 7810

Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.3	105.5
85	59.1	46.2	69.4
99	64.3	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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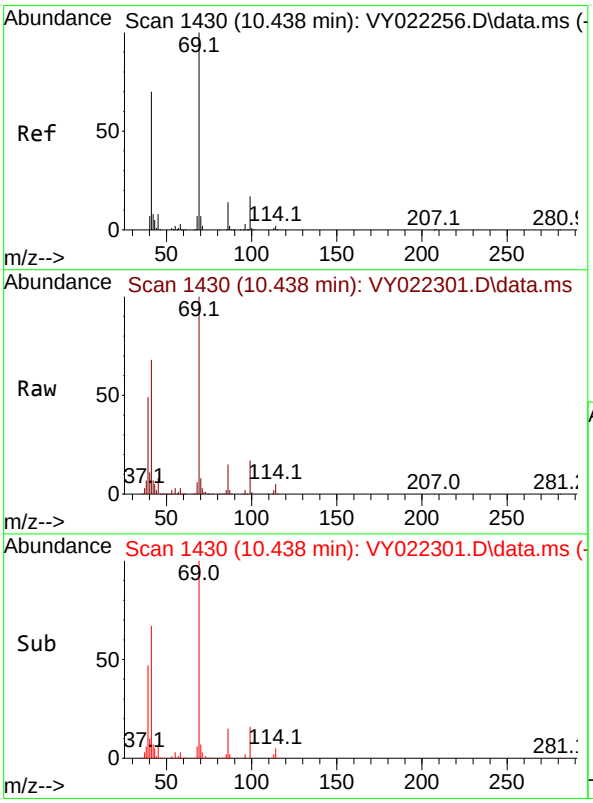
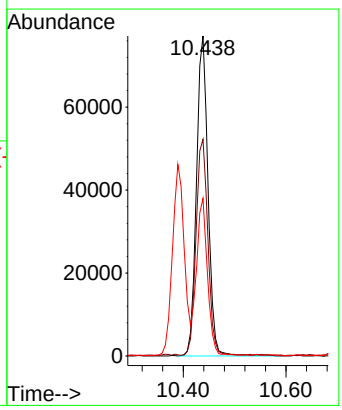
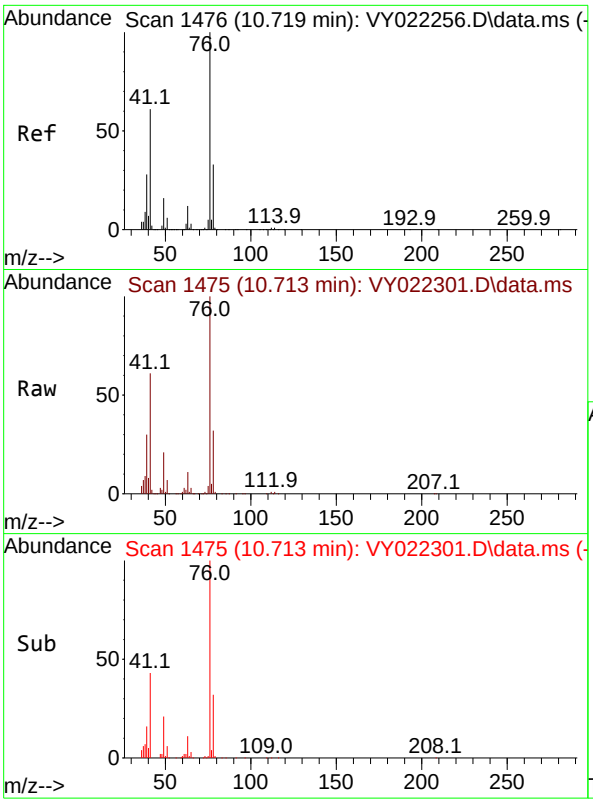


#56
Ethyl methacrylate
Concen: 52.876 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 69 Resp: 120471

Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.5	84.7
39	46.8	37.1	55.7





#57
1,3-Dichloropropane
Concen: 53.333 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 76 Resp: 13860

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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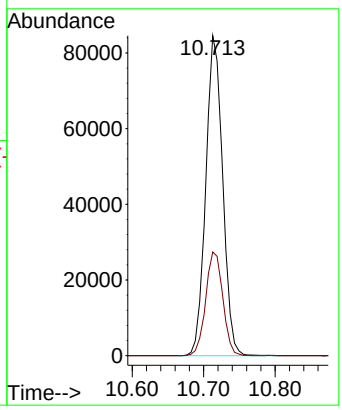
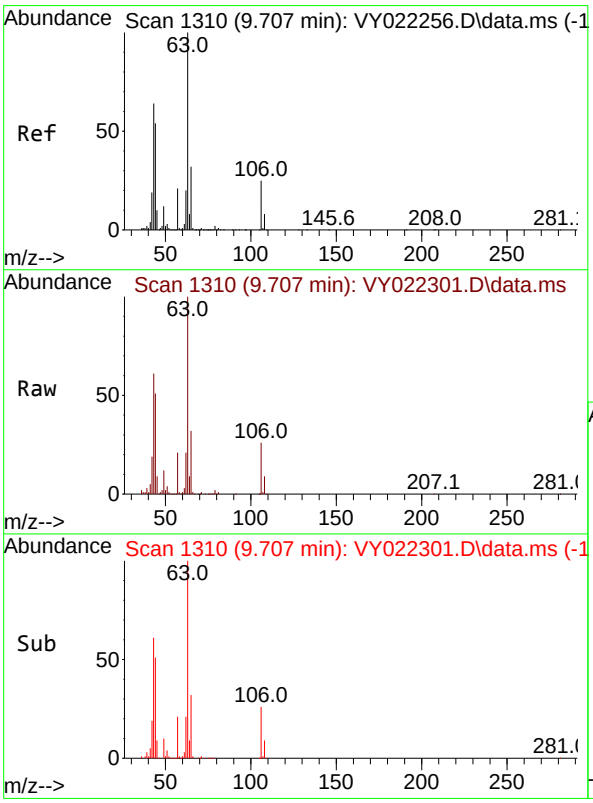
Supervised By :Semsettin Yesilyurt 05/19/2025

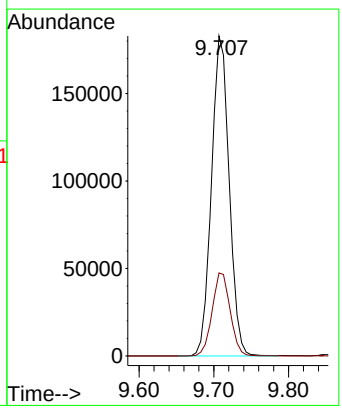


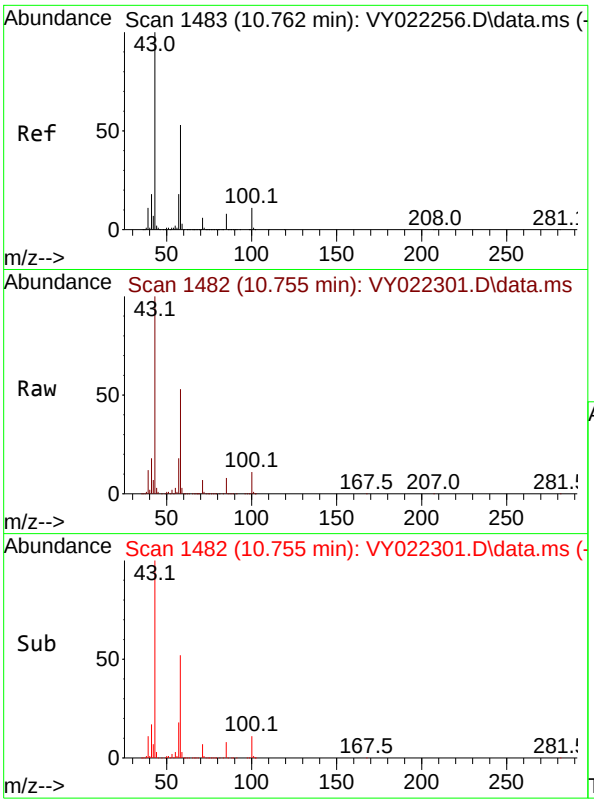


#58
2-Chloroethyl Vinyl ether
Concen: 294.015 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 63 Resp: 300672

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.4





#59
2-Hexanone
Concen: 264.900 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 27096

Ion	Ratio	Lower	Upper
43	100		
58	53.9	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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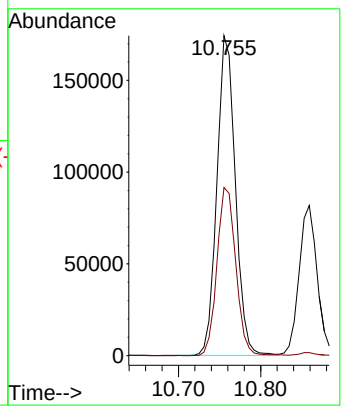
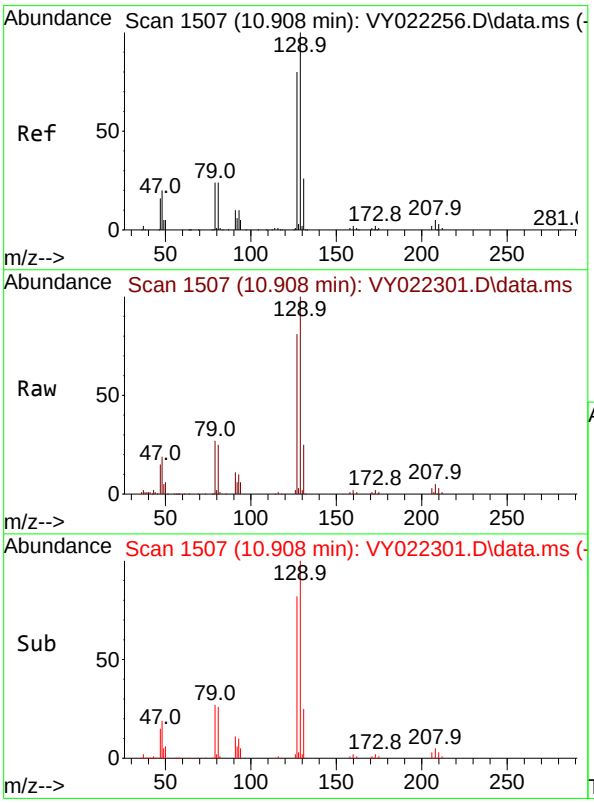
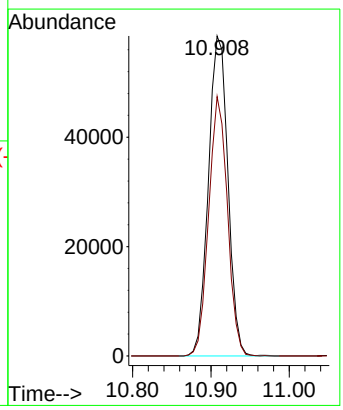


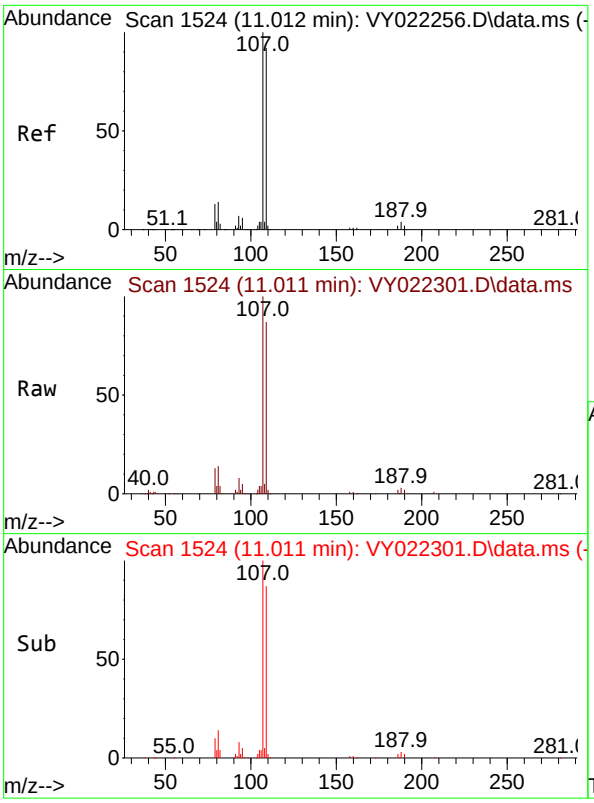


#60
Dibromochloromethane
Concen: 53.353 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:129 Resp: 101289

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7

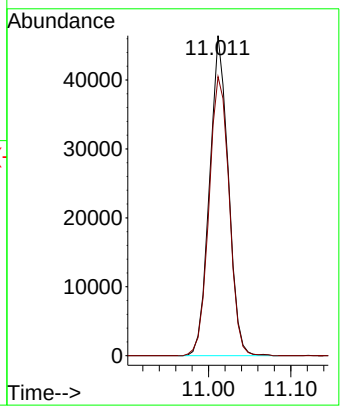




#61
1,2-Dibromoethane
Concen: 54.113 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:107 Resp: 7376

Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
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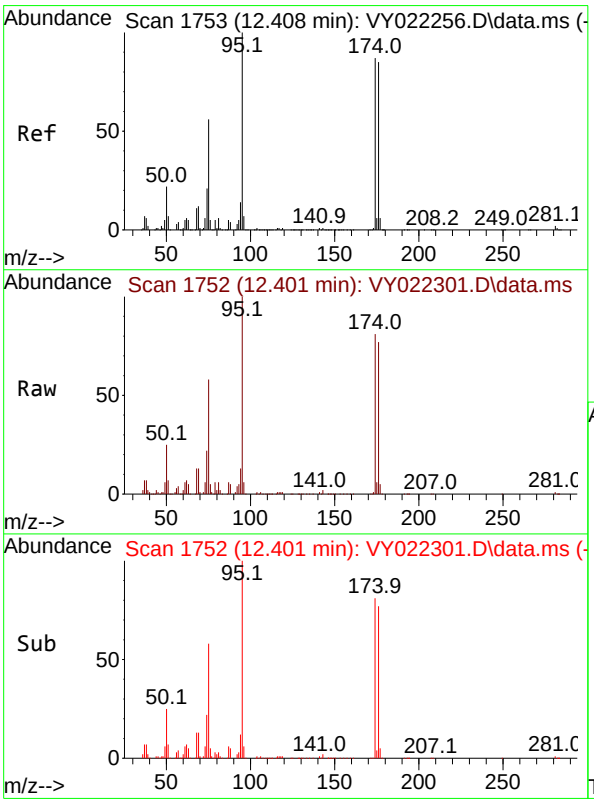
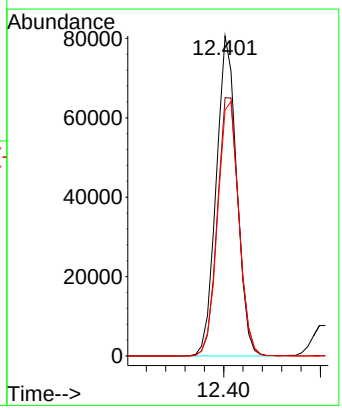
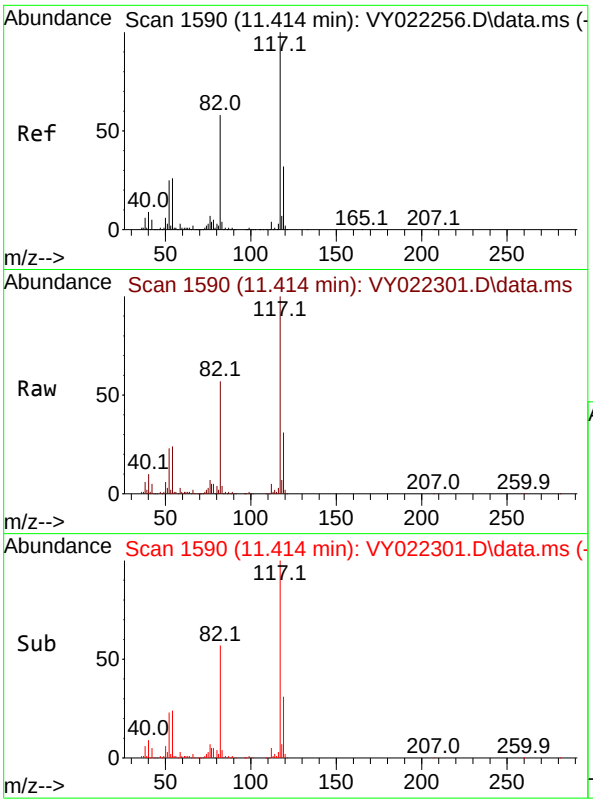


#62
4-Bromofluorobenzene
Concen: 50.802 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 95 Resp: 118638

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	166.8
176	81.9	0.0	160.8

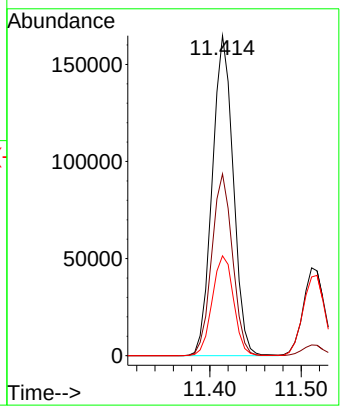




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:117 Resp: 26298

Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.6	70.0
119	31.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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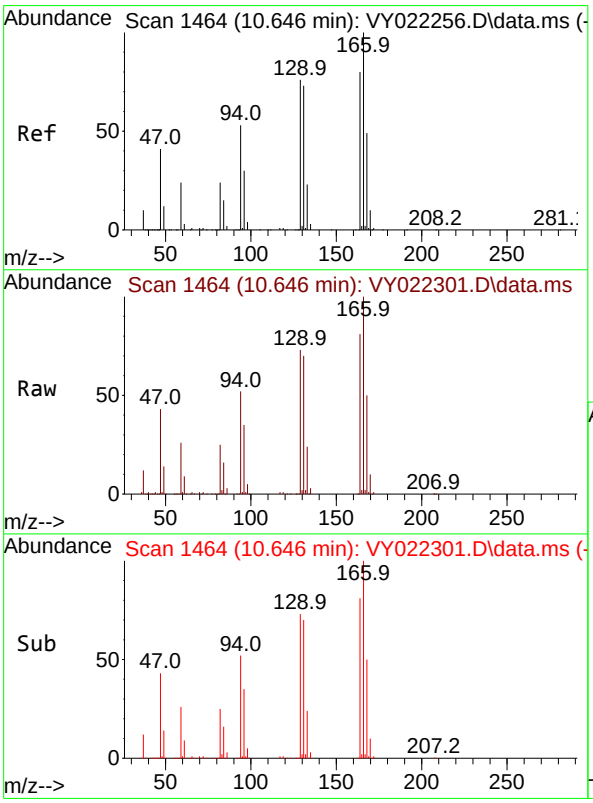
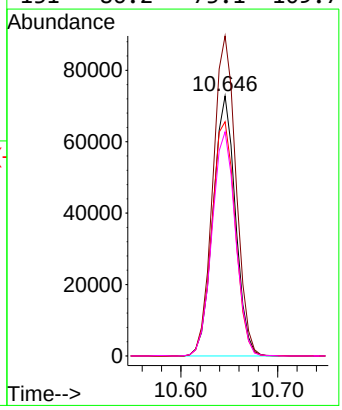
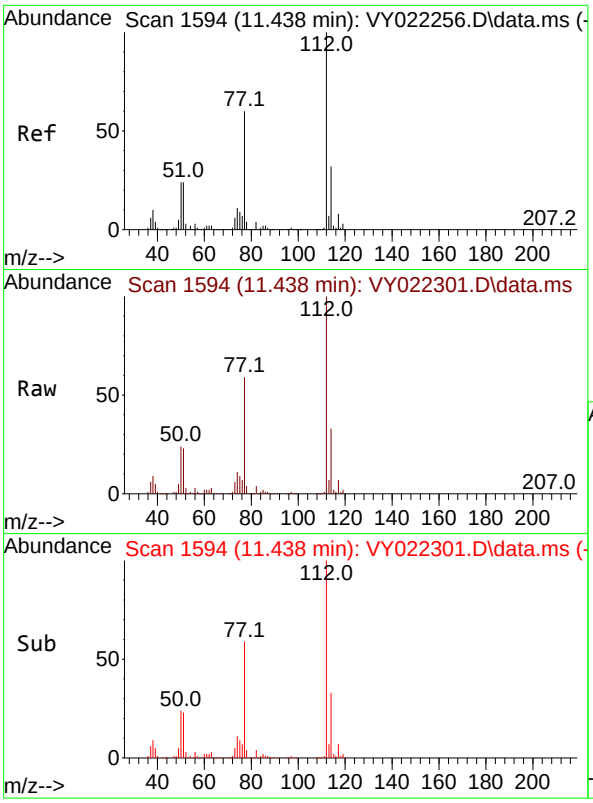


#64
Tetrachloroethene
Concen: 48.141 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:164 Resp: 117020

Ion	Ratio	Lower	Upper
164	100		
166	123.1	100.4	150.6
129	90.1	76.4	114.6
131	86.2	73.1	109.7

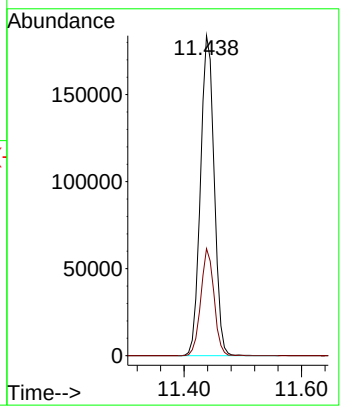




#65
Chlorobenzene
Concen: 50.288 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:112 Resp: 29836

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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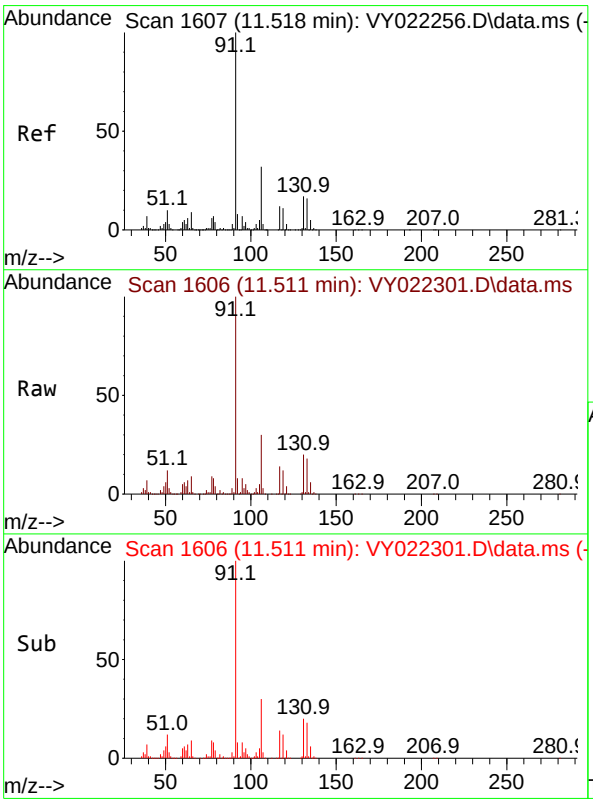
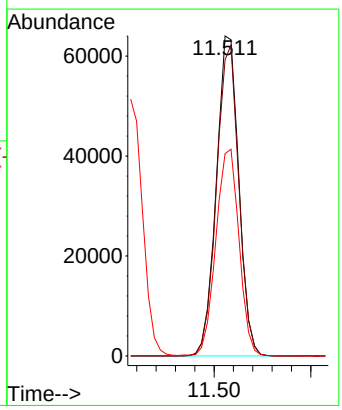
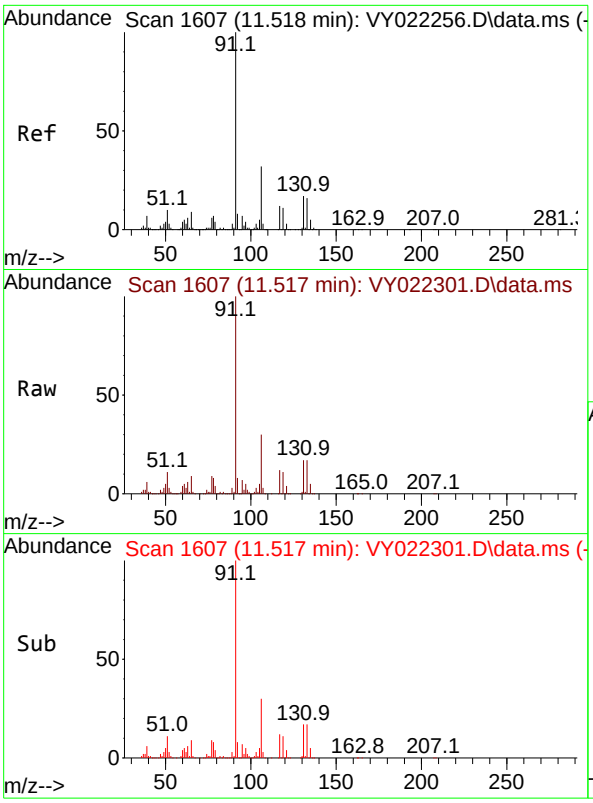


#66
1,1,1,2-Tetrachloroethane
Concen: 50.525 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:131 Resp: 103057

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	141.9
119	66.8	33.1	99.2

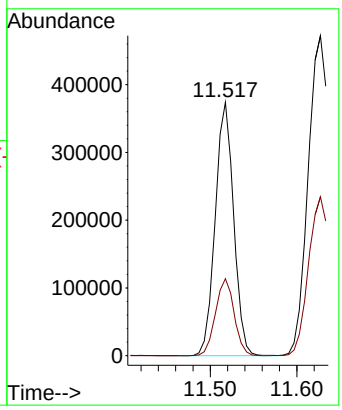




#67
Ethyl Benzene
Concen: 49.681 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 91 Resp: 55203

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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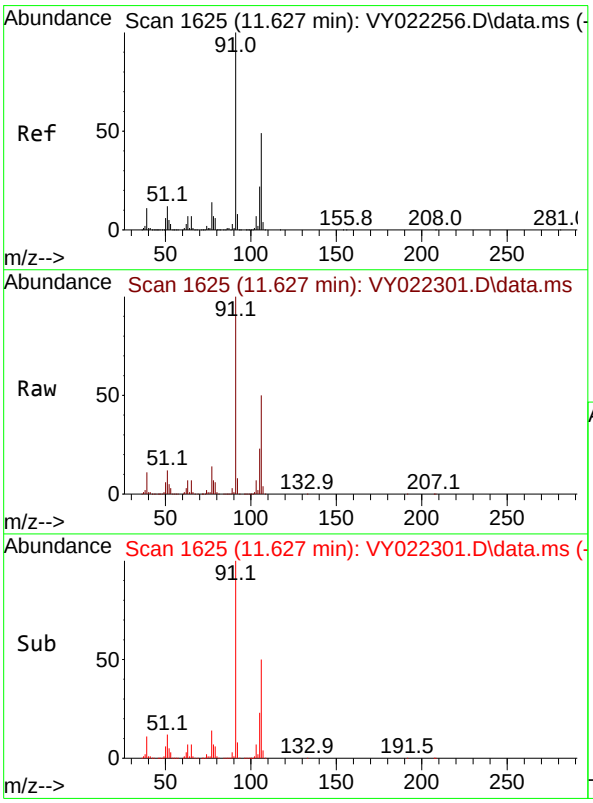
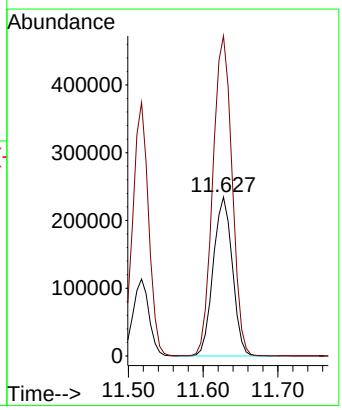
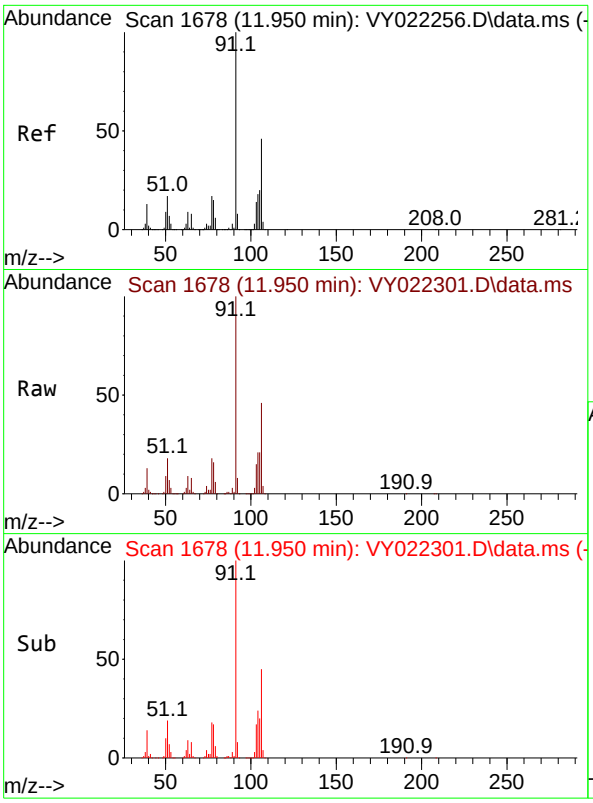


#68
m/p-Xylenes
Concen: 99.542 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:106 Resp: 416782

Ion	Ratio	Lower	Upper
106	100		
91	202.8	163.0	244.4





#69
o-Xylene
Concen: 50.639 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:106 Resp: 20060

Ion	Ratio	Lower	Upper
106	100		
91	214.6	108.3	324.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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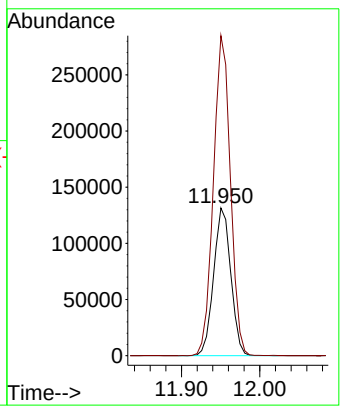
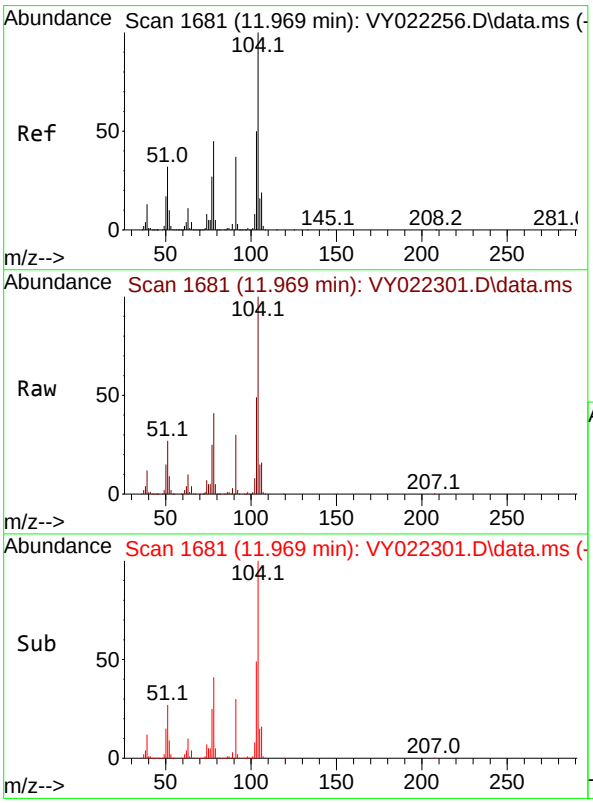
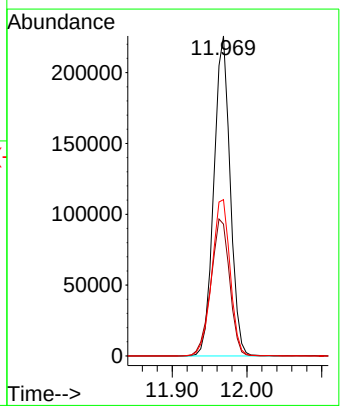


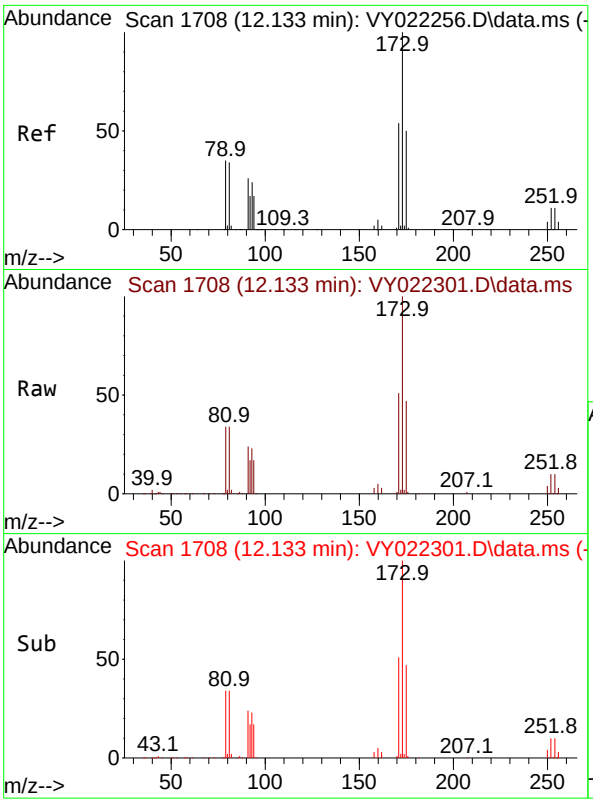


#70
Styrene
Concen: 51.248 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:104 Resp: 342456

Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.9	61.3
103	54.9	43.7	65.5

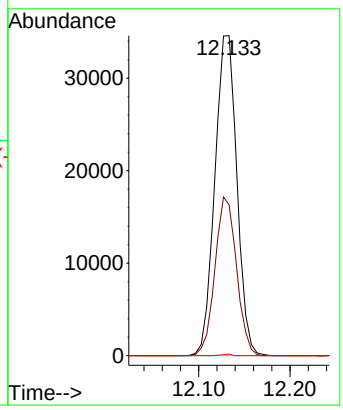




#71
Bromoform
Concen: 52.719 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:173 Resp: 5804

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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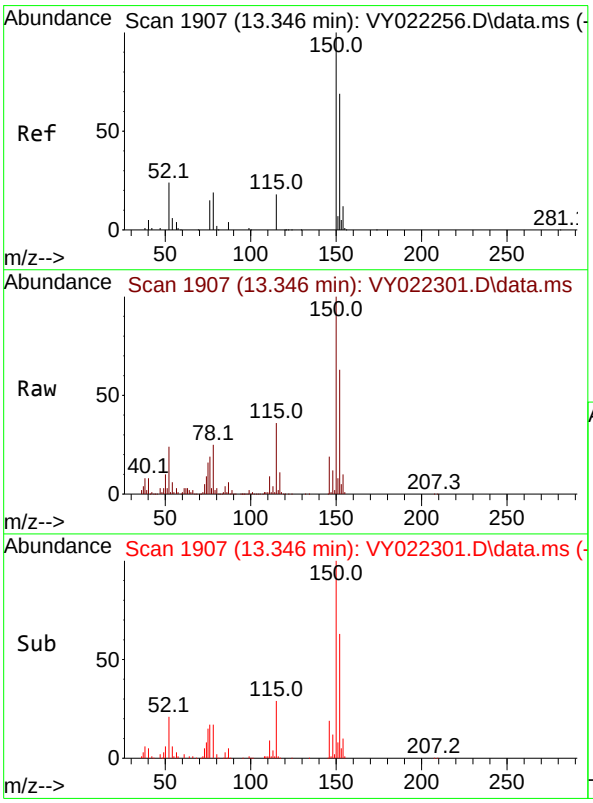
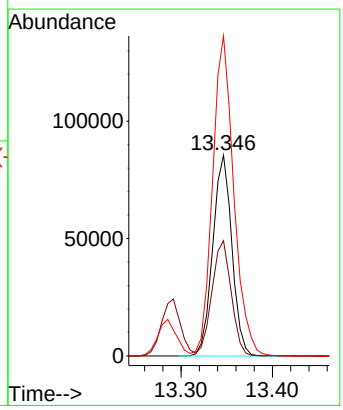
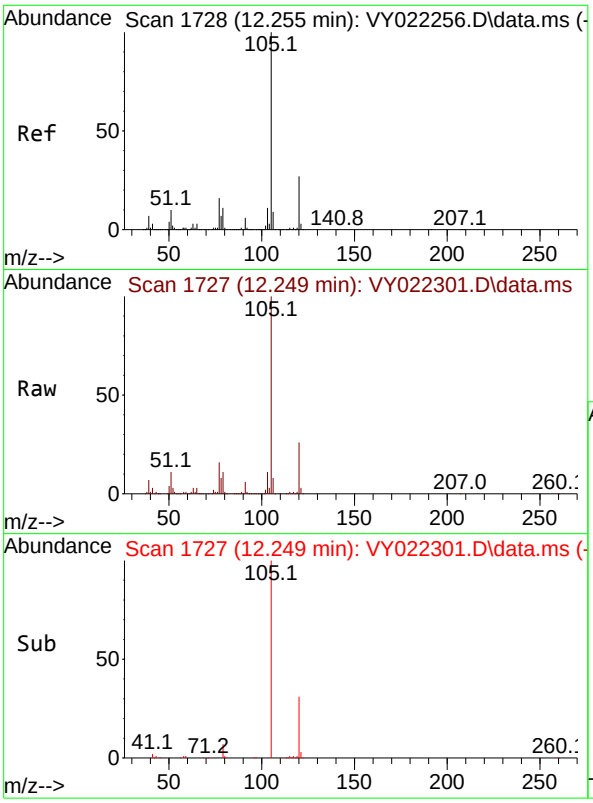


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:152 Resp: 124169

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	176.7	0.0	353.8

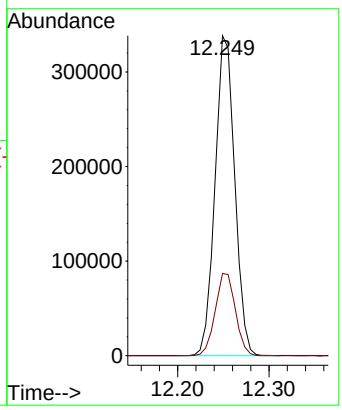




#73
Isopropylbenzene
Concen: 49.232 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:105 Resp: 50644

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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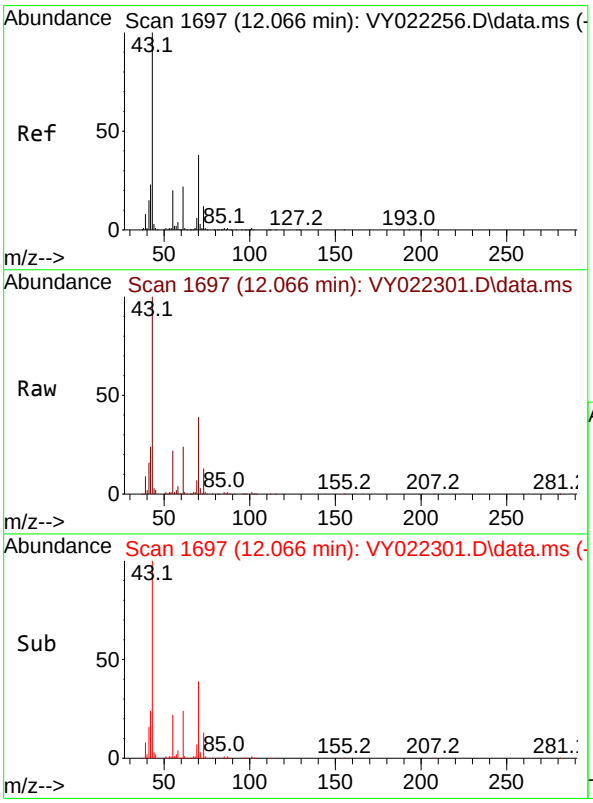
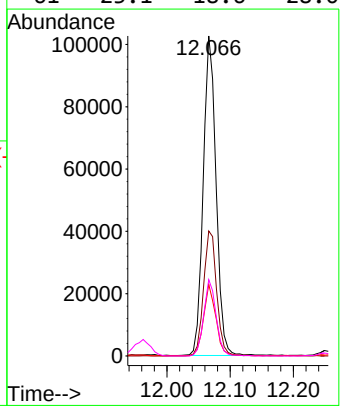
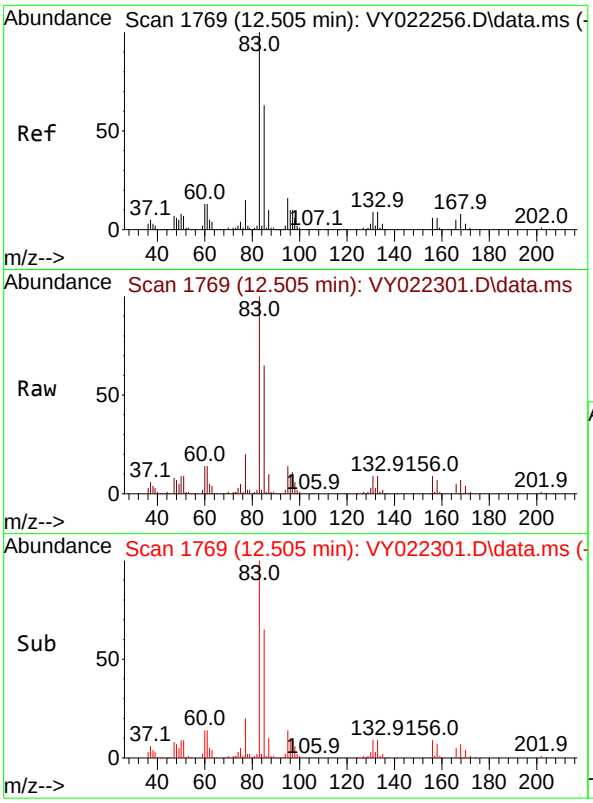


#74
N-amyl acetate
Concen: 49.313 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 145082

Ion	Ratio	Lower	Upper
43	100		
70	40.1	31.4	47.0
55	21.2	17.0	25.6
61	23.1	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 54.429 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 83 Resp: 8610

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.7
85	63.2	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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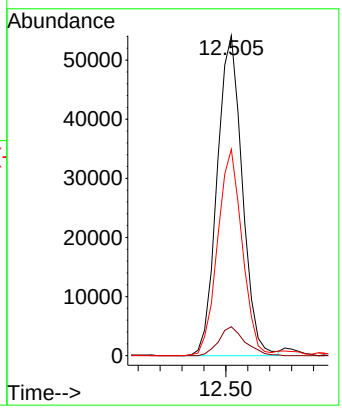
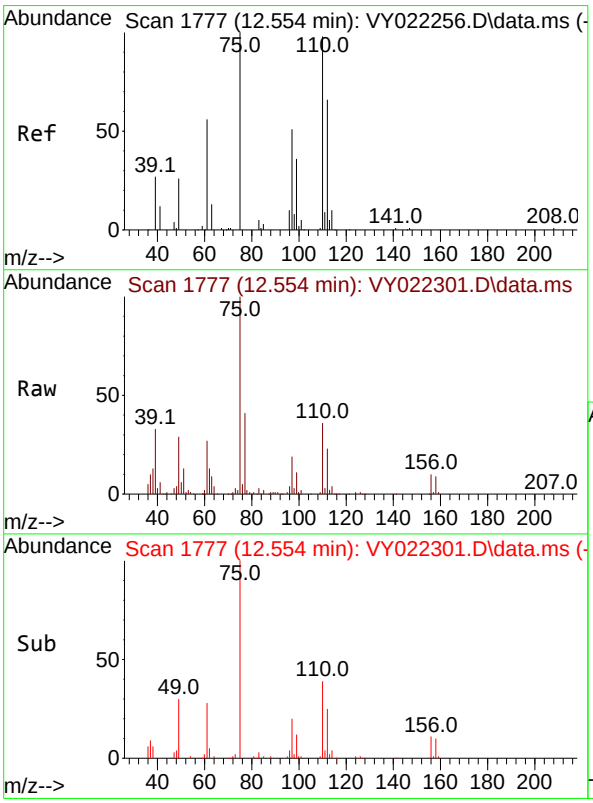
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

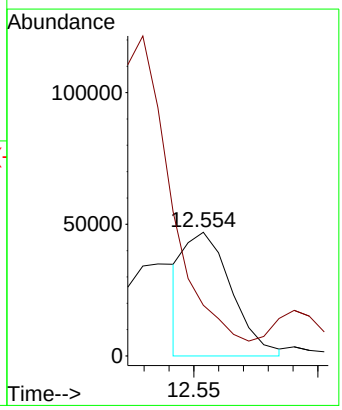


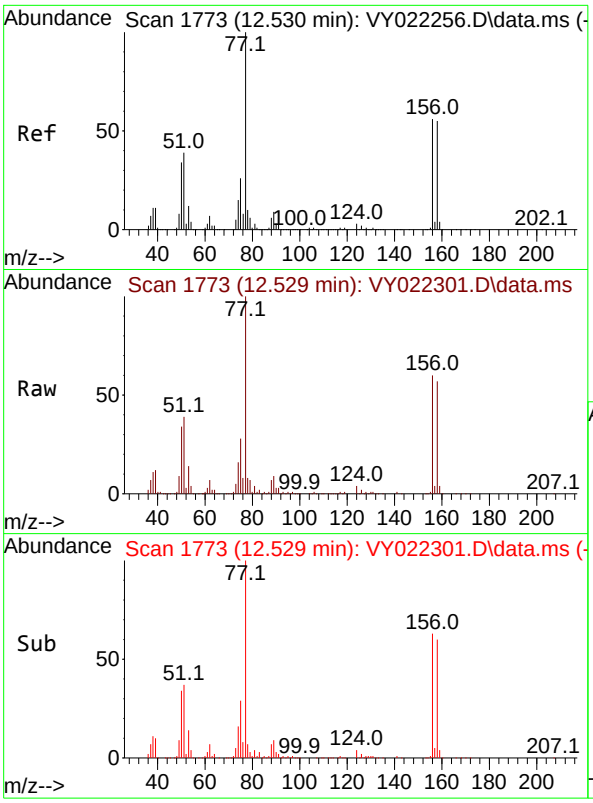


#76
1,2,3-Trichloropropane
Concen: 49.451 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 62208

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

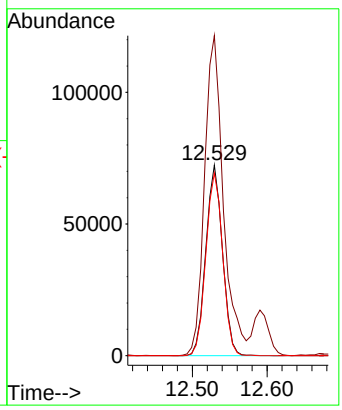




#77
Bromobenzene
Concen: 50.903 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:156 Resp: 11183

Ion	Ratio	Lower	Upper
156	100		
77	190.0	94.5	283.6
158	96.8	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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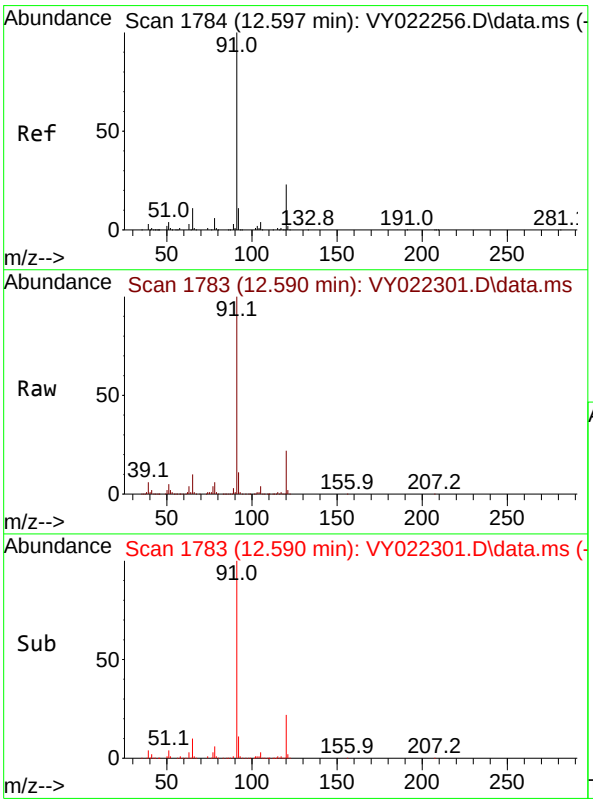
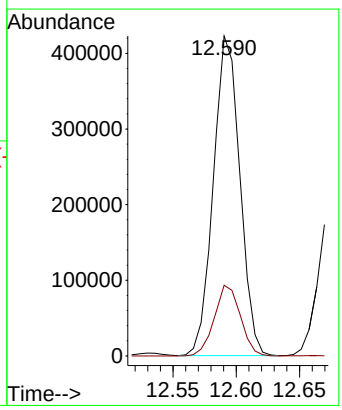
Supervised By :Semsettin Yesilyurt 05/19/2025

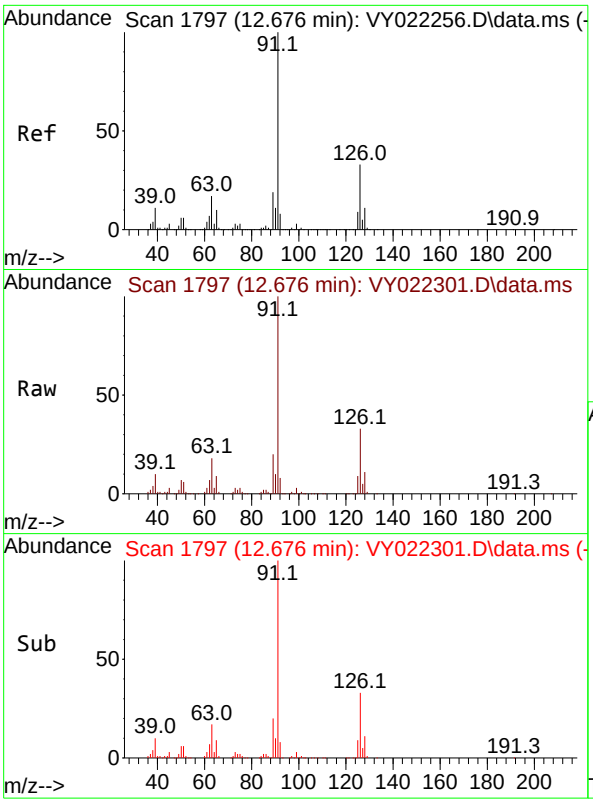


#78
n-propylbenzene
Concen: 49.582 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 91 Resp: 615206

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3

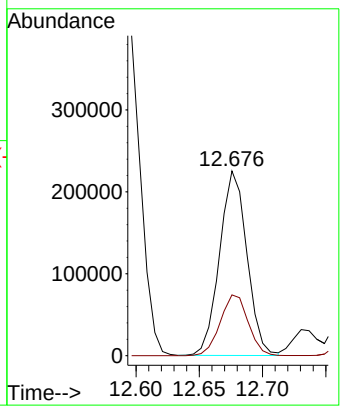




#79
2-Chlorotoluene
Concen: 49.744 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 91 Resp: 33918

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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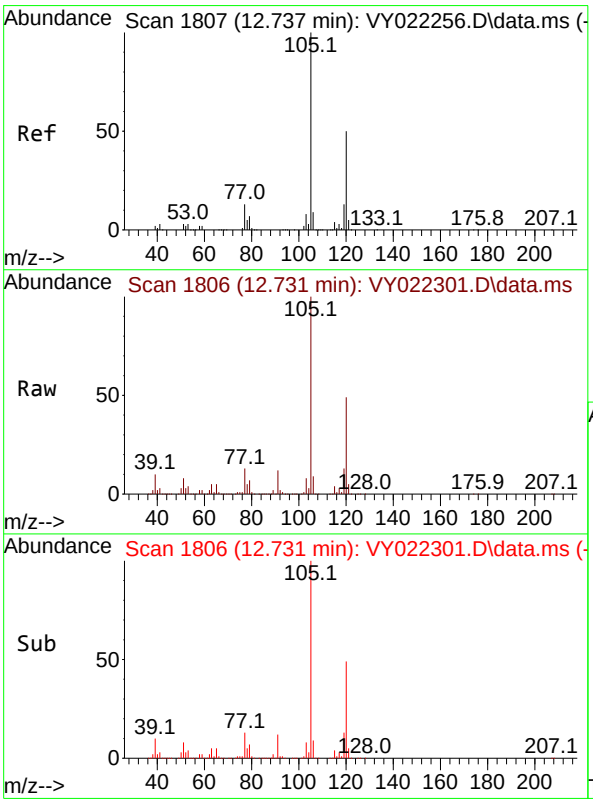
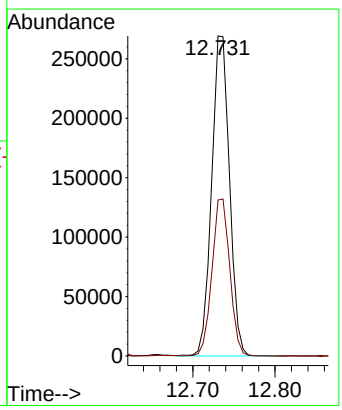
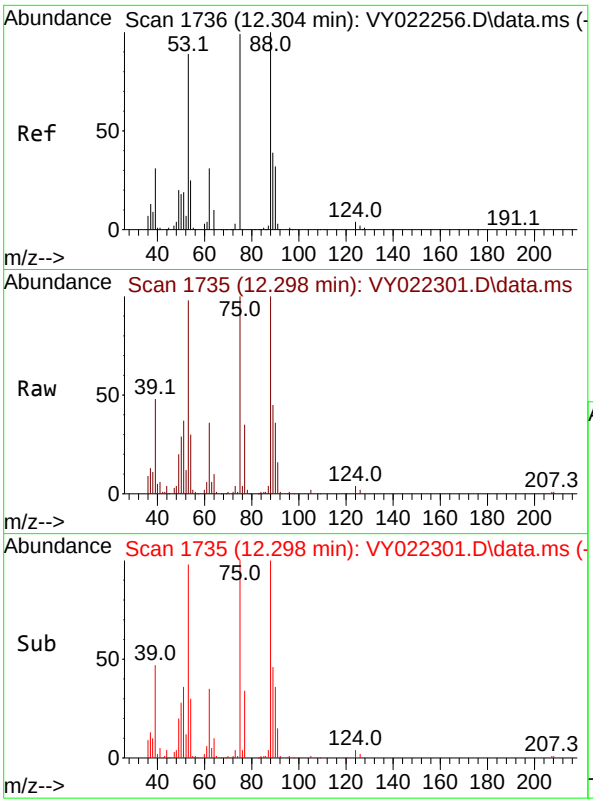


#80
1,3,5-Trimethylbenzene
Concen: 48.863 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:105 Resp: 405753

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 46.262 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 2872

Ion	Ratio	Lower	Upper
75	100		
53	94.4	75.8	113.8
89	45.1	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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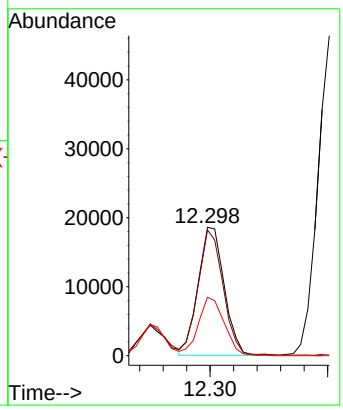
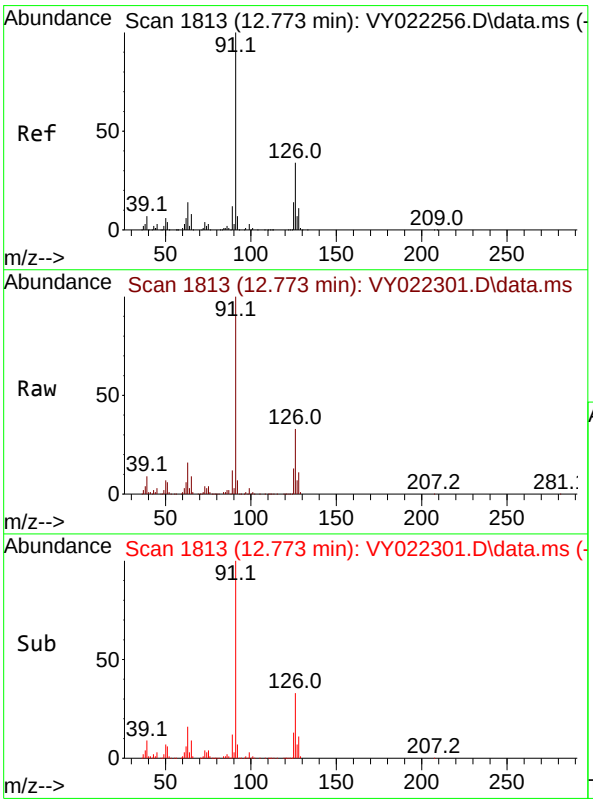
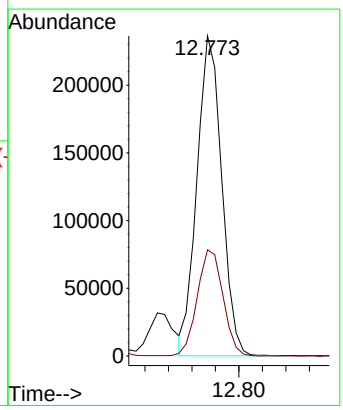


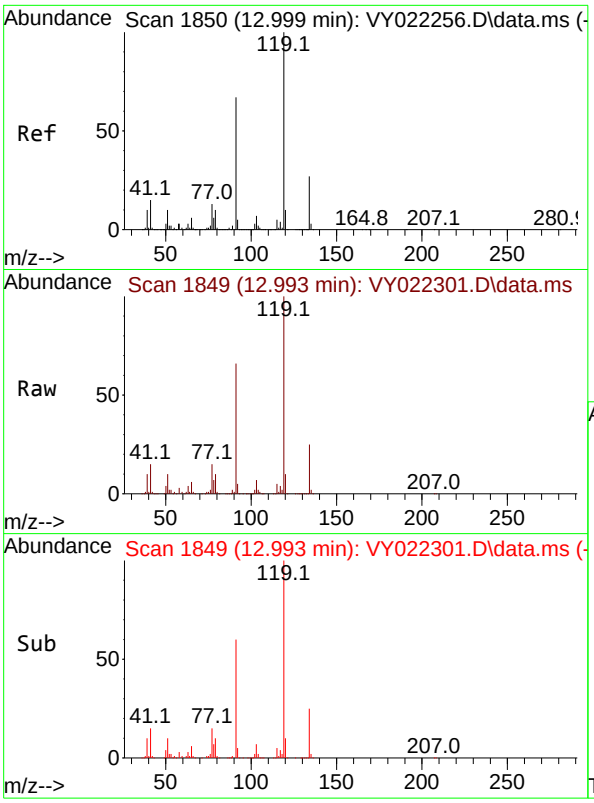


#82
4-Chlorotoluene
Concen: 49.230 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 91 Resp: 345271

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4





#83
tert-Butylbenzene
Concen: 50.023 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:119 Resp: 36919

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.8	98.3
134	25.4	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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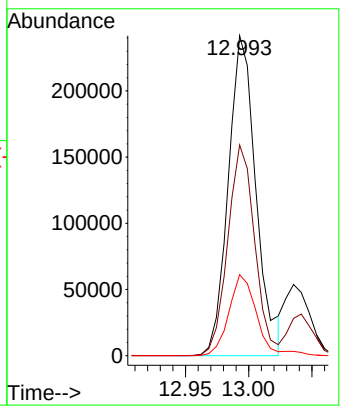
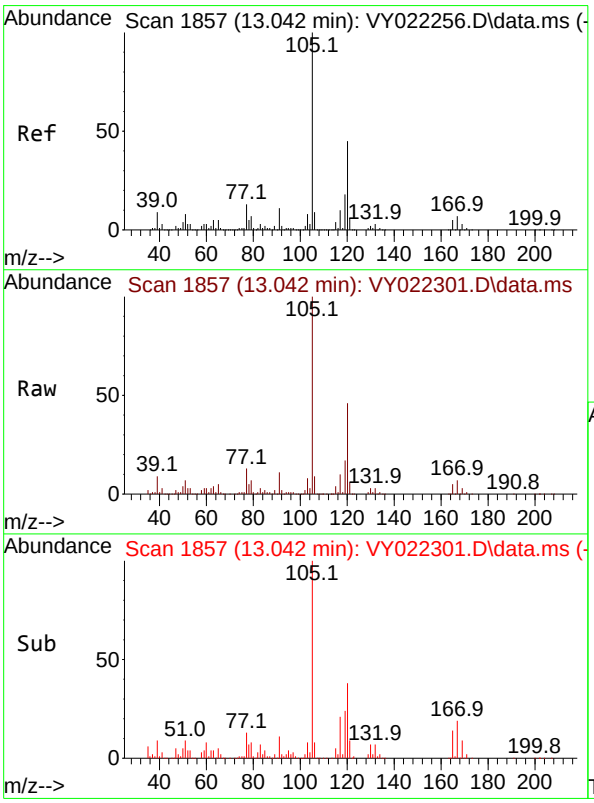
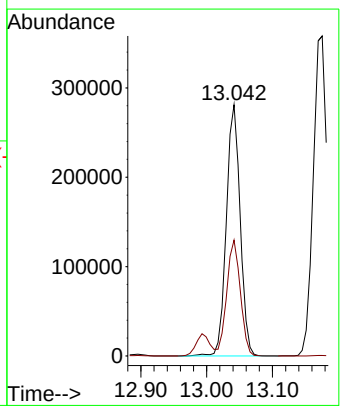


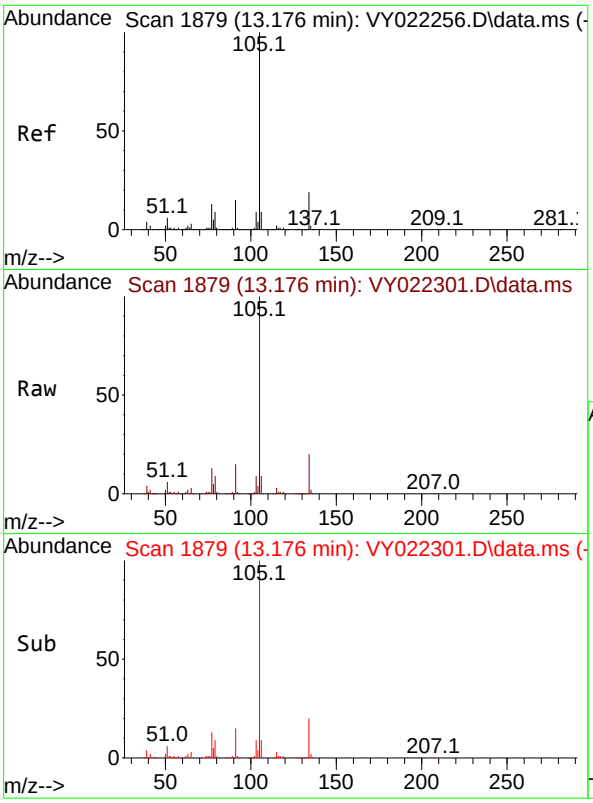


#84
1,2,4-Trimethylbenzene
Concen: 49.978 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:105 Resp: 411972

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.9





#85
sec-Butylbenzene
Concen: 49.149 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:105 Resp: 53847

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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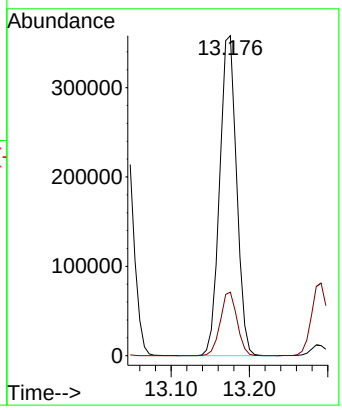
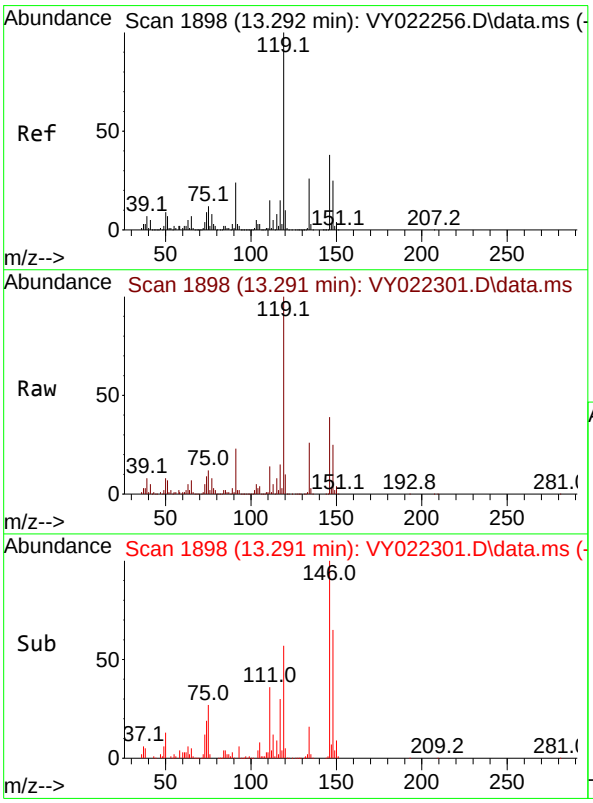
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

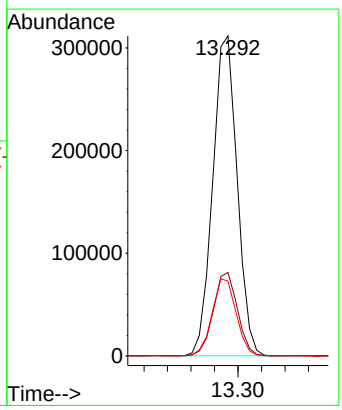


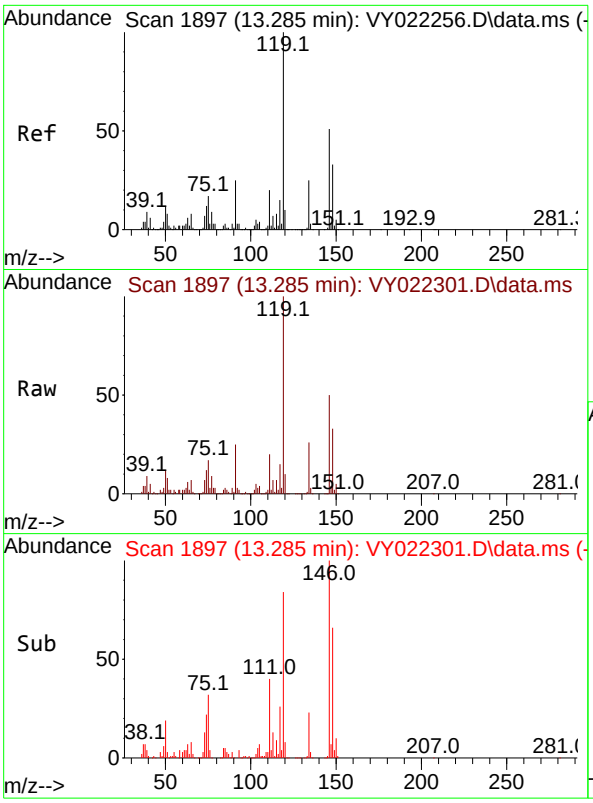


#86
p-Isopropyltoluene
Concen: 48.814 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:119 Resp: 449798

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	23.7	12.1	36.3

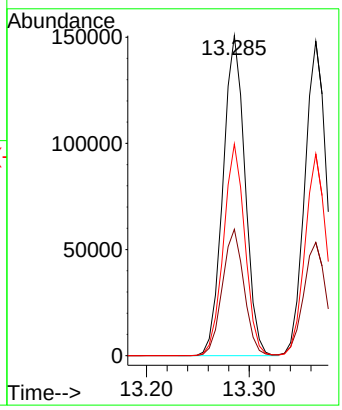




#87
1,3-Dichlorobenzene
Concen: 50.006 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:146 Resp: 22428

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.7
148	64.2	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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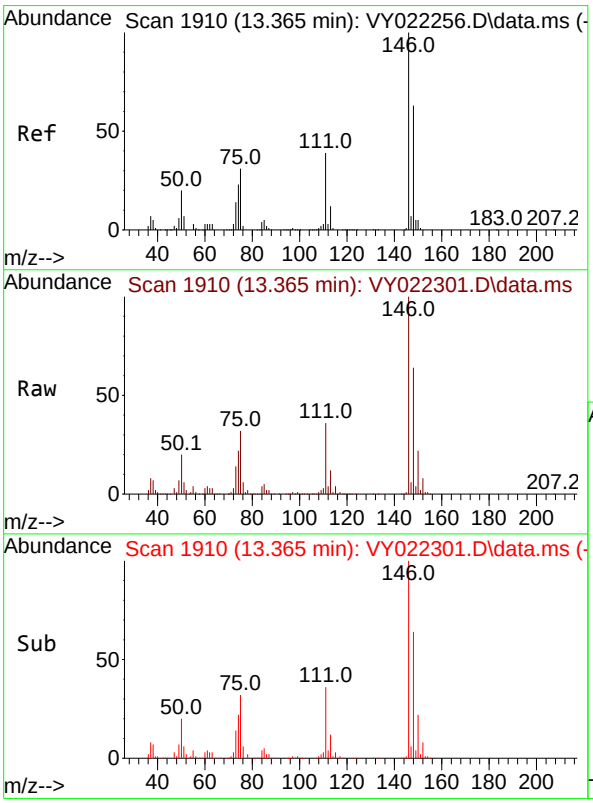
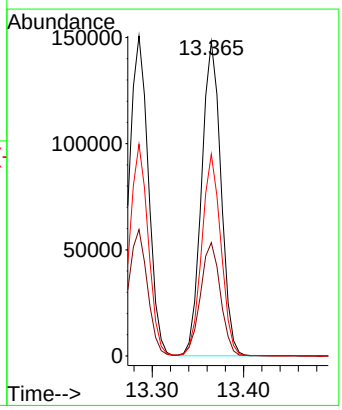
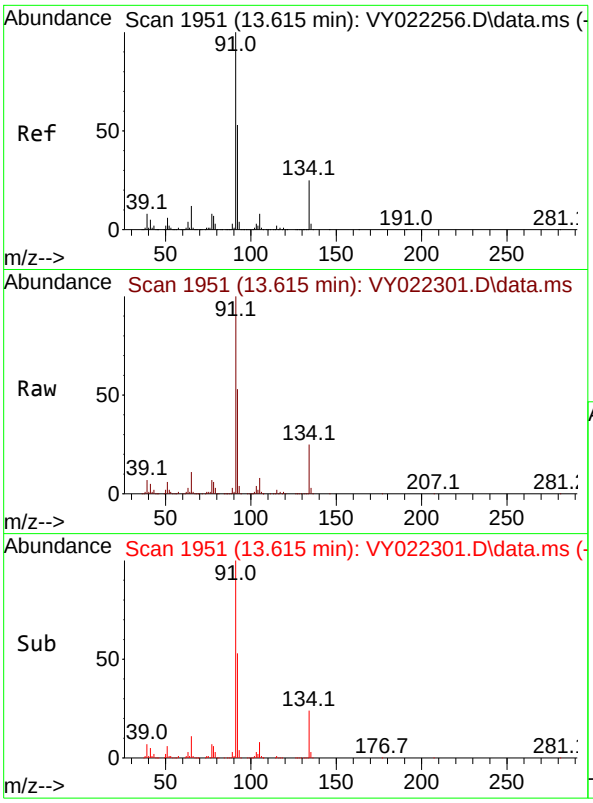


#88
1,4-Dichlorobenzene
Concen: 50.503 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:146 Resp: 217882

Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.0	59.9
148	63.6	32.1	96.5

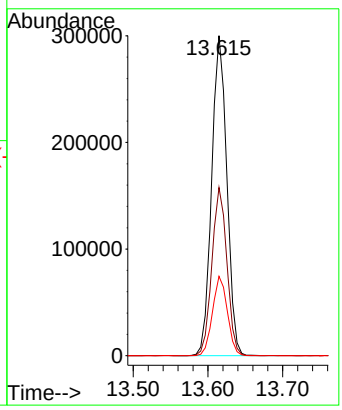




#89
n-Butylbenzene
Concen: 48.542 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 91 Resp: 42315

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	24.3	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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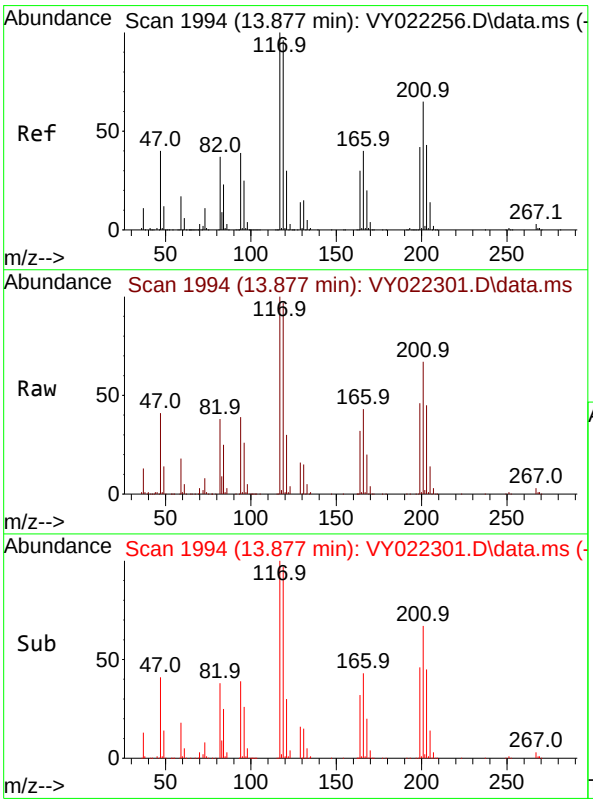
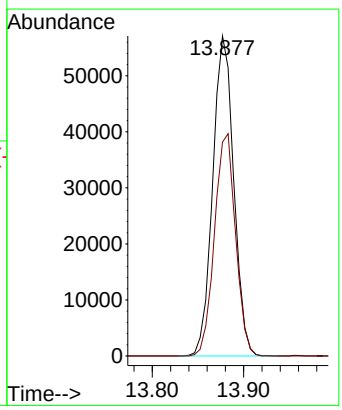
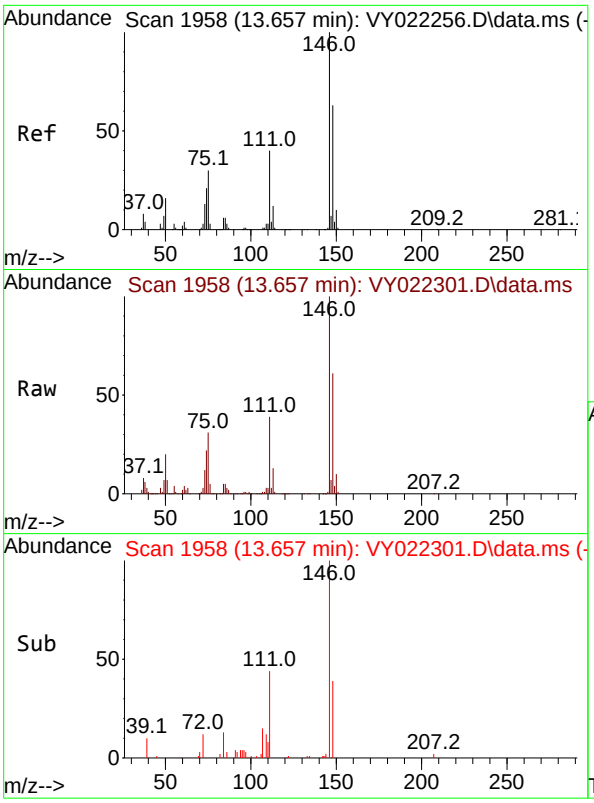


#90
Hexachloroethane
Concen: 48.950 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:117 Resp: 91050

Ion	Ratio	Lower	Upper
117	100		
201	69.7	35.2	105.6

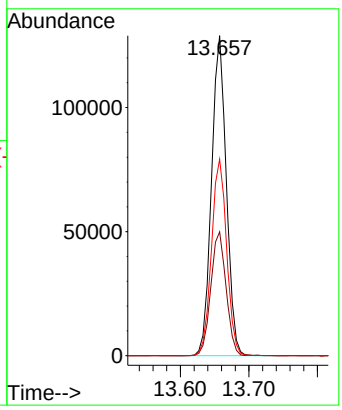




#91
1,2-Dichlorobenzene
Concen: 51.391 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:146 Resp: 19360

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.5	61.5
148	62.9	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
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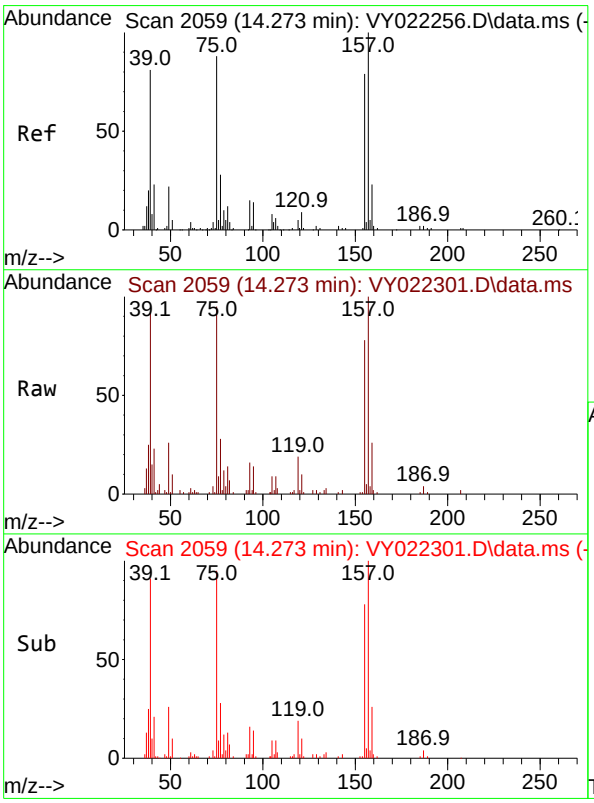
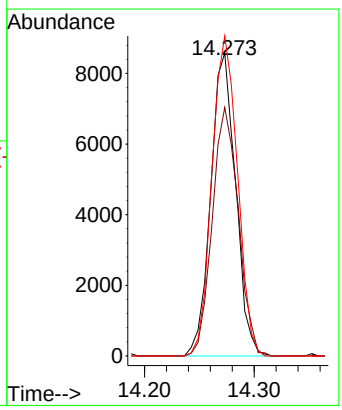
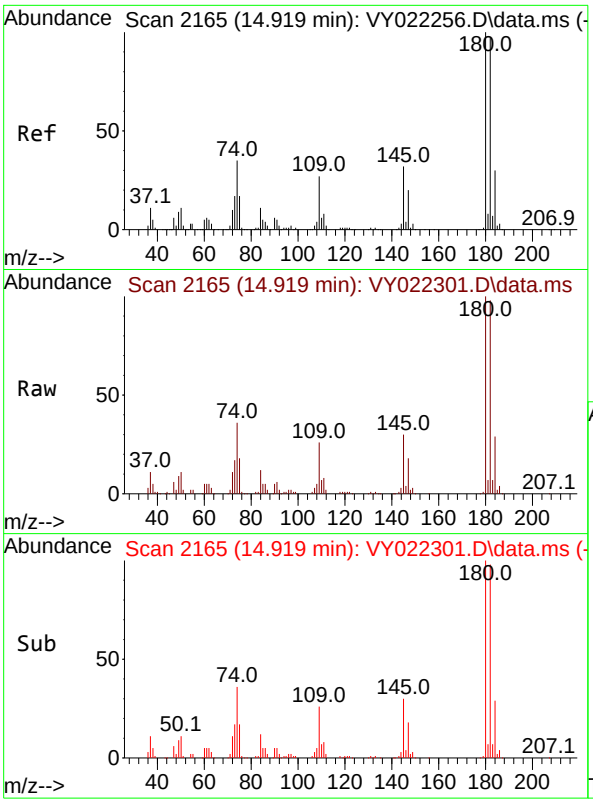


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.958 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 13510

Ion	Ratio	Lower	Upper
75	100		
155	85.8	43.4	130.1
157	108.2	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 49.489 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:180 Resp: 10769

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.9	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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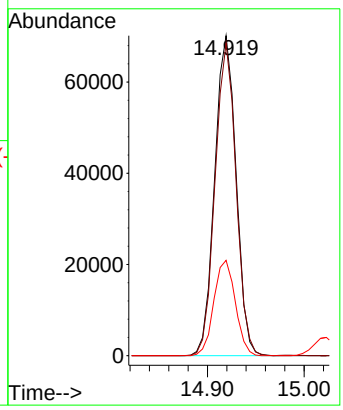
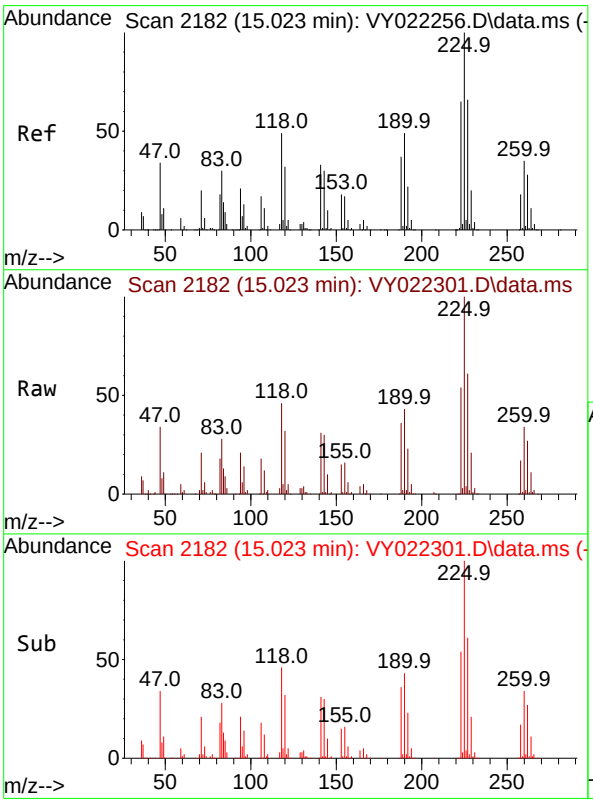
Supervised By :Semsettin Yesilyurt 05/19/2025

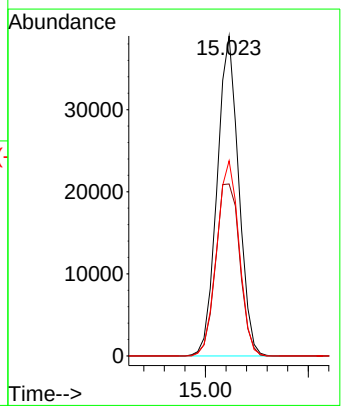


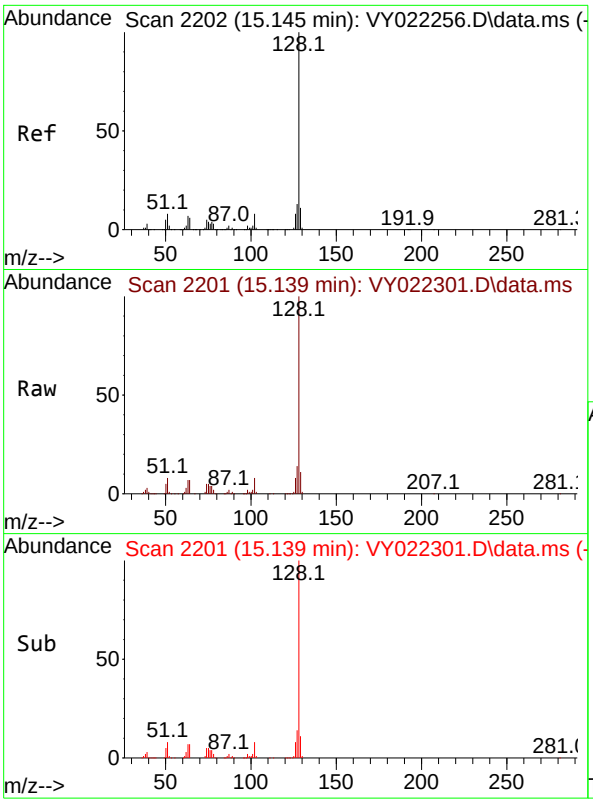


#94
Hexachlorobutadiene
Concen: 46.635 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:225 Resp: 56596

Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.5	94.5
227	63.1	32.1	96.3

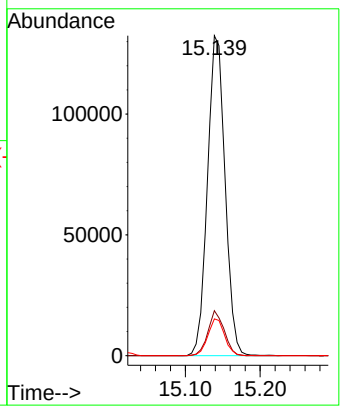




#95
Naphthalene
Concen: 52.582 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:128 Resp: 21714

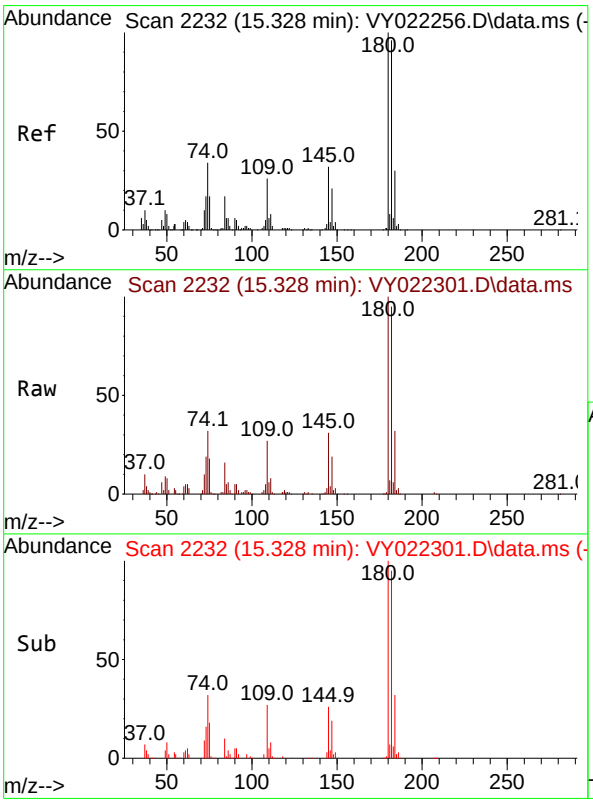
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

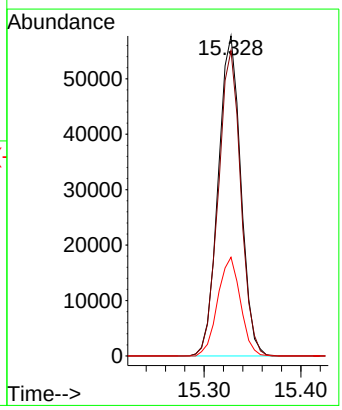
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.540 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:180 Resp: 93303

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	31.1	15.9	47.6



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	63	0.00
2	T	Dichlorodifluoromethane	0.522	0.483	7.5	60	0.00
3	P	Chloromethane	1.097	1.147	-4.6	70	0.00
4	C	Vinyl Chloride	1.226	1.544	-25.9#	81	0.00
5	T	Bromomethane	0.998	1.277	-28.0#	92	0.00
6	T	Chloroethane	0.763	1.076	-41.0#	90	0.00
7	T	Trichlorofluoromethane	1.241	1.357	-9.3	71	0.00
8	T	Diethyl Ether	0.298	0.340	-14.1	73	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.542	-0.6	64	0.00
10	T	Methyl Iodide	0.624	0.734	-17.6	68	0.00
11	T	Tert butyl alcohol	0.042	0.049	-16.7	80	0.00
12	CM	1,1-Dichloroethene	0.535	0.568	-6.2#	67	0.00
13	T	Acrolein	0.061	0.054	11.5	61	0.00
14	T	Allyl chloride	0.938	0.945	-0.7	62	0.00
15	T	Acrylonitrile	0.123	0.144	-17.1	76	0.00
16	T	Acetone	0.102	0.107	-4.9	73	0.00
17	T	Carbon Disulfide	1.744	1.831	-5.0	66	0.00
18	T	Methyl Acetate	0.323	0.466	-44.3#	98	0.00
19	T	Methyl tert-butyl Ether	1.475	1.709	-15.9	74	0.00
20	T	Methylene Chloride	0.662	0.663	-0.2	70	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.634	-7.5	68	0.00
22	T	Diisopropyl ether	1.980	2.110	-6.6	67	0.00
23	T	Vinyl Acetate	1.196	1.209	-1.1	65	0.00
24	P	1,1-Dichloroethane	1.106	1.195	-8.0	68	0.00
25	T	2-Butanone	0.171	0.188	-9.9	74	0.00
26	T	2,2-Dichloropropane	0.984	0.912	7.3	59	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.762	-11.9	70	0.00
28	T	Bromochloromethane	0.472	0.517	-9.5	69	0.00
29	T	Tetrahydrofuran	0.110	0.128	-16.4	76	0.00
30	C	Chloroform	1.061	1.195	-12.6#	70	0.00
31	T	Cyclohexane	1.105	1.013	8.3	61	0.00
32	T	1,1,1-Trichloroethane	0.974	1.018	-4.5	67	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.621	-13.7	73	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	69	0.00
35	S	Dibromofluoromethane	0.298	0.318	-6.7	72	0.00
36	T	1,1-Dichloropropene	0.492	0.477	3.0	65	0.00
37	T	Ethyl Acetate	0.237	0.238	-0.4	70	0.00
38	T	Carbon Tetrachloride	0.509	0.491	3.5	65	0.00
39	T	Methylcyclohexane	0.660	0.597	9.5	61	0.00
40	TM	Benzene	1.457	1.513	-3.8	69	0.00
41	T	Methacrylonitrile	0.157	0.132	15.9	57	0.00
42	TM	1,2-Dichloroethane	0.394	0.420	-6.6	72	0.00
43	T	Isopropyl Acetate	0.516	0.534	-3.5	71	0.00
44	TM	Trichloroethene	0.362	0.367	-1.4	68	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	69	0.00
46	T	Dibromomethane	0.189	0.204	-7.9	74	0.00
47	T	Bromodichloromethane	0.492	0.517	-5.1	70	0.00
48	T	Methyl methacrylate	0.241	0.250	-3.7	71	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	80	0.00
50	S	Toluene-d8	1.222	1.278	-4.6	71	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.274	-8.3	74	0.00
52	CM	Toluene	0.923	0.944	-2.3#	69	0.00
53	T	t-1,3-Dichloropropene	0.480	0.488	-1.7	69	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.562	-2.2	69	0.00
55	T	1,1,2-Trichloroethane	0.243	0.259	-6.6	73	0.00
56	T	Ethyl methacrylate	0.378	0.400	-5.8	72	0.00
57	T	1,3-Dichloropropane	0.431	0.460	-6.7	72	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.200	-17.6	75	0.00
59	T	2-Hexanone	0.170	0.180	-5.9	74	0.00
60	T	Dibromochloromethane	0.315	0.336	-6.7	71	0.00
61	T	1,2-Dibromoethane	0.226	0.245	-8.4	74	0.00
62	S	4-Bromofluorobenzene	0.387	0.394	-1.8	70	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	70	0.00
64	T	Tetrachloroethene	0.462	0.445	3.7	65	0.00
65	PM	Chlorobenzene	1.128	1.135	-0.6	68	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.392	-1.0	69	0.00
67	C	Ethyl Benzene	2.113	2.099	0.7#	67	0.00
68	T	m/p-Xylenes	0.796	0.792	0.5	67	0.00
69	T	o-Xylene	0.753	0.763	-1.3	69	0.00
70	T	Styrene	1.270	1.302	-2.5	70	0.00
71	P	Bromoform	0.209	0.221	-5.7	74	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	69	0.00
73	T	Isopropylbenzene	4.142	4.079	1.5	67	0.00
74	T	N-amyl acetate	1.185	1.168	1.4	69	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.693	-8.8	76	0.00
76	T	1,2,3-Trichloropropane	0.507	0.501	1.2	69	0.00
77	T	Bromobenzene	0.885	0.901	-1.8	69	0.00
78	T	n-propylbenzene	4.996	4.955	0.8	67	0.00
79	T	2-Chlorotoluene	2.746	2.732	0.5	67	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.268	2.3	66	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.231	7.6	67	0.00
82	T	4-Chlorotoluene	2.824	2.781	1.5	66	0.00
83	T	tert-Butylbenzene	2.972	2.973	-0.0	68	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.318	0.0	67	0.00
85	T	sec-Butylbenzene	4.412	4.337	1.7	65	0.00
86	T	p-Isopropyltoluene	3.710	3.622	2.4	65	0.00
87	T	1,3-Dichlorobenzene	1.806	1.806	0.0	68	0.00
88	T	1,4-Dichlorobenzene	1.737	1.755	-1.0	69	0.00
89	T	n-Butylbenzene	3.510	3.408	2.9	64	0.00
90	T	Hexachloroethane	0.749	0.733	2.1	66	0.00
91	T	1,2-Dichlorobenzene	1.517	1.559	-2.8	70	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.109	-5.8	75	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.867	1.0	66	0.00
94	T	Hexachlorobutadiene	0.489	0.456	6.7	63	0.00
95	T	Naphthalene	1.663	1.749	-5.2	73	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.751	-1.1	69	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	63	0.00
2	T	Dichlorodifluoromethane	50.000	46.326	7.3	60	0.00
3	P	Chloromethane	50.000	52.264	-4.5	70	0.00
4	C	Vinyl Chloride	50.000	62.949	-25.9#	81	0.00
5	T	Bromomethane	50.000	63.984	-28.0#	92	0.00
6	T	Chloroethane	50.000	70.518	-41.0#	90	0.00
7	T	Trichlorofluoromethane	50.000	54.643	-9.3	71	0.00
8	T	Diethyl Ether	50.000	57.015	-14.0	73	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.304	-0.6	64	0.00
10	T	Methyl Iodide	50.000	58.800	-17.6	68	0.00
11	T	Tert butyl alcohol	250.000	293.143	-17.3	80	0.00
12	CM	1,1-Dichloroethene	50.000	53.144	-6.3#	67	0.00
13	T	Acrolein	250.000	221.842	11.3	61	0.00
14	T	Allyl chloride	50.000	50.390	-0.8	62	0.00
15	T	Acrylonitrile	250.000	294.229	-17.7	76	0.00
16	T	Acetone	250.000	261.381	-4.6	73	0.00
17	T	Carbon Disulfide	50.000	52.482	-5.0	66	0.00
18	T	Methyl Acetate	50.000	72.098	-44.2#	98	0.00
19	T	Methyl tert-butyl Ether	50.000	57.942	-15.9	74	0.00
20	T	Methylene Chloride	50.000	50.040	-0.1	70	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.696	-7.4	68	0.00
22	T	Diisopropyl ether	50.000	53.264	-6.5	67	0.00
23	T	Vinyl Acetate	250.000	252.608	-1.0	65	0.00
24	P	1,1-Dichloroethane	50.000	53.998	-8.0	68	0.00
25	T	2-Butanone	250.000	273.834	-9.5	74	0.00
26	T	2,2-Dichloropropane	50.000	46.353	7.3	59	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.900	-11.8	70	0.00
28	T	Bromochloromethane	50.000	54.788	-9.6	69	0.00
29	T	Tetrahydrofuran	250.000	290.562	-16.2	76	0.00
30	C	Chloroform	50.000	56.301	-12.6#	70	0.00
31	T	Cyclohexane	50.000	45.799	8.4	61	0.00
32	T	1,1,1-Trichloroethane	50.000	52.300	-4.6	67	0.00
33	S	1,2-Dichloroethane-d4	50.000	56.783	-13.6	73	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	69	0.00
35	S	Dibromofluoromethane	50.000	53.347	-6.7	72	0.00
36	T	1,1-Dichloropropene	50.000	48.494	3.0	65	0.00
37	T	Ethyl Acetate	50.000	50.310	-0.6	70	0.00
38	T	Carbon Tetrachloride	50.000	48.210	3.6	65	0.00
39	T	Methylcyclohexane	50.000	45.224	9.6	61	0.00
40	TM	Benzene	50.000	51.925	-3.8	69	0.00
41	T	Methacrylonitrile	50.000	42.134	15.7	57	0.00
42	TM	1,2-Dichloroethane	50.000	53.352	-6.7	72	0.00
43	T	Isopropyl Acetate	50.000	51.797	-3.6	71	0.00
44	TM	Trichloroethene	50.000	50.616	-1.2	68	0.00
45	C	1,2-Dichloropropane	50.000	51.337	-2.7#	69	0.00
46	T	Dibromomethane	50.000	53.928	-7.9	74	0.00
47	T	Bromodichloromethane	50.000	52.627	-5.3	70	0.00
48	T	Methyl methacrylate	50.000	51.751	-3.5	71	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1116.500	-11.7	80	0.00
50	S	Toluene-d8	50.000	52.262	-4.5	71	0.00
51	T	4-Methyl-2-Pentanone	250.000	270.195	-8.1	74	0.00
52	CM	Toluene	50.000	51.150	-2.3#	69	0.00
53	T	t-1,3-Dichloropropene	50.000	50.870	-1.7	69	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.085	-2.2	69	0.00
55	T	1,1,2-Trichloroethane	50.000	53.400	-6.8	73	0.00
56	T	Ethyl methacrylate	50.000	52.876	-5.8	72	0.00
57	T	1,3-Dichloropropane	50.000	53.333	-6.7	72	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	294.015	-17.6	75	0.00
59	T	2-Hexanone	250.000	264.900	-6.0	74	0.00
60	T	Dibromochloromethane	50.000	53.353	-6.7	71	0.00
61	T	1,2-Dibromoethane	50.000	54.113	-8.2	74	0.00
62	S	4-Bromofluorobenzene	50.000	50.802	-1.6	70	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	70	0.00
64	T	Tetrachloroethene	50.000	48.141	3.7	65	0.00
65	PM	Chlorobenzene	50.000	50.288	-0.6	68	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.525	-1.0	69	0.00
67	C	Ethyl Benzene	50.000	49.681	0.6#	67	0.00
68	T	m/p-Xylenes	100.000	99.542	0.5	67	0.00
69	T	o-Xylene	50.000	50.639	-1.3	69	0.00
70	T	Styrene	50.000	51.248	-2.5	70	0.00
71	P	Bromoform	50.000	52.719	-5.4	74	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	69	0.00
73	T	Isopropylbenzene	50.000	49.232	1.5	67	0.00
74	T	N-amyl acetate	50.000	49.313	1.4	69	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.429	-8.9	76	0.00
76	T	1,2,3-Trichloropropane	50.000	49.451	1.1	69	0.00
77	T	Bromobenzene	50.000	50.903	-1.8	69	0.00
78	T	n-propylbenzene	50.000	49.582	0.8	67	0.00
79	T	2-Chlorotoluene	50.000	49.744	0.5	67	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.863	2.3	66	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.262	7.5	67	0.00
82	T	4-Chlorotoluene	50.000	49.230	1.5	66	0.00
83	T	tert-Butylbenzene	50.000	50.023	-0.0	68	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.978	0.0	67	0.00
85	T	sec-Butylbenzene	50.000	49.149	1.7	65	0.00
86	T	p-Isopropyltoluene	50.000	48.814	2.4	65	0.00
87	T	1,3-Dichlorobenzene	50.000	50.006	-0.0	68	0.00
88	T	1,4-Dichlorobenzene	50.000	50.503	-1.0	69	0.00
89	T	n-Butylbenzene	50.000	48.542	2.9	64	0.00
90	T	Hexachloroethane	50.000	48.950	2.1	66	0.00
91	T	1,2-Dichlorobenzene	50.000	51.391	-2.8	70	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.958	-5.9	75	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.489	1.0	66	0.00
94	T	Hexachlorobutadiene	50.000	46.635	6.7	63	0.00
95	T	Naphthalene	50.000	52.582	-5.2	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.540	-1.1	69	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

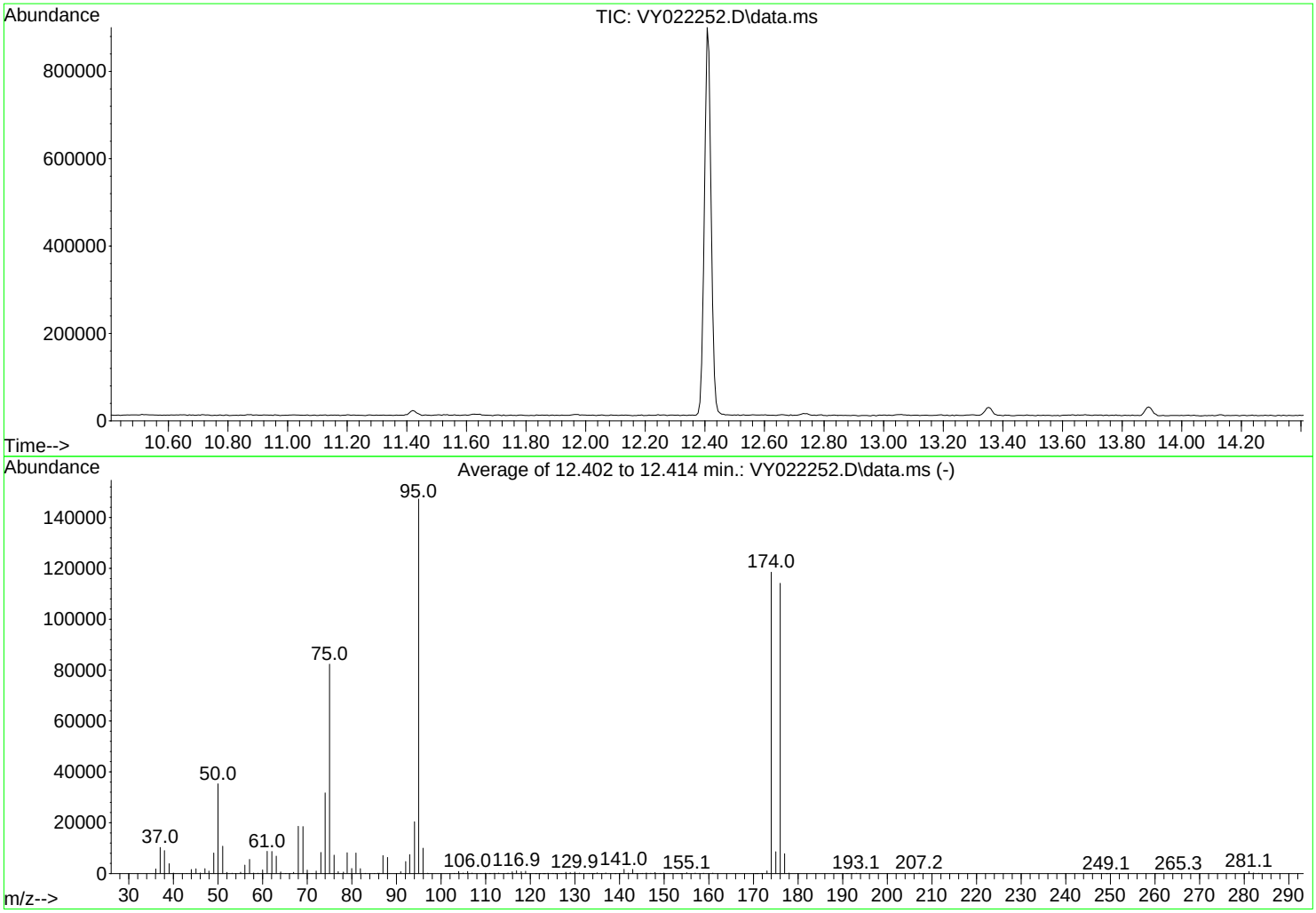
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022252.D
Acq On : 15 May 2025 07:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

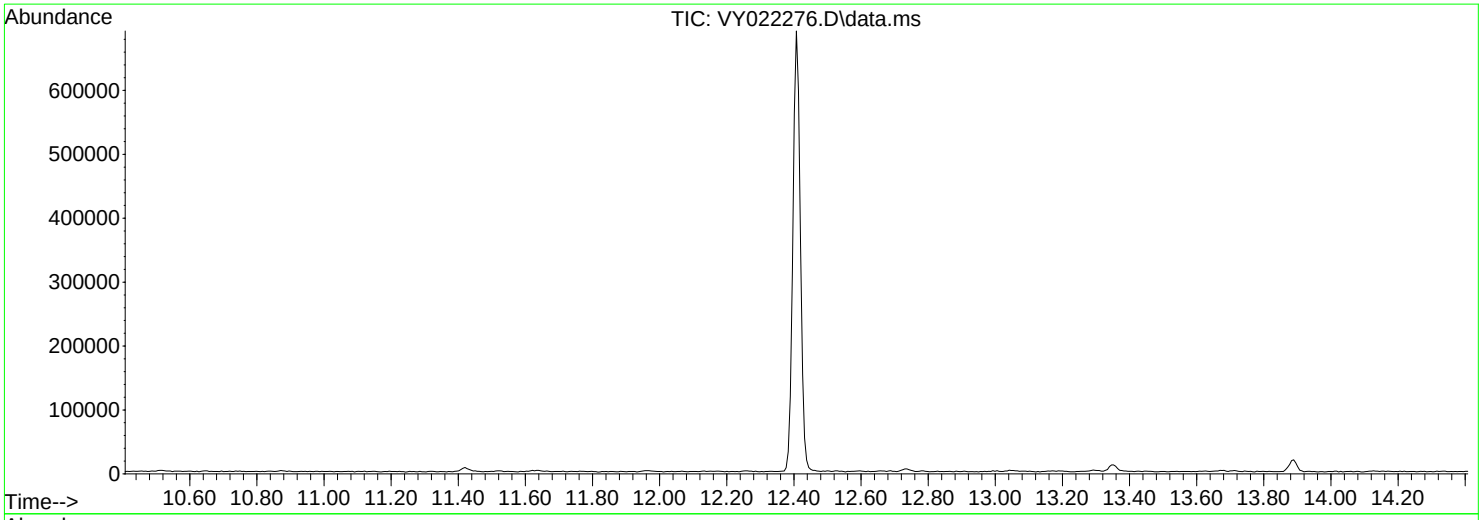
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	35318	PASS
75	95	30	60	55.9	82344	PASS
95	95	100	100	100.0	147275	PASS
96	95	5	9	6.8	9993	PASS
173	174	0.00	2	0.9	1042	PASS
174	95	50	100	80.5	118504	PASS
175	174	5	9	7.3	8635	PASS
176	174	95	101	96.3	114157	PASS
177	176	5	9	6.8	7810	PASS

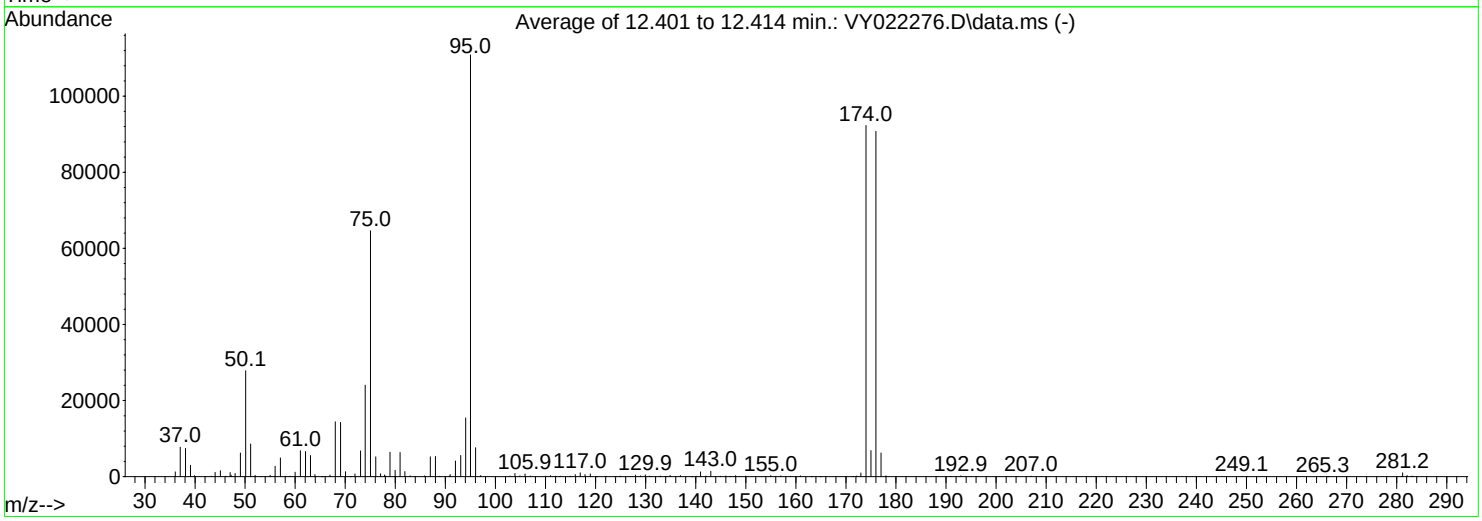
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022276.D
Acq On : 16 May 2025 07:54
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	27835	PASS
75	95	30	60	58.3	64637	PASS
95	95	100	100	100.0	110867	PASS
96	95	5	9	6.9	7634	PASS
173	174	0.00	2	1.0	962	PASS
174	95	50	100	83.3	92307	PASS
175	174	5	9	7.4	6838	PASS
176	174	95	101	98.3	90747	PASS
177	176	5	9	6.9	6231	PASS

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:	VY0515SBL01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022261.D	1		05/15/25 13:44	VY051525

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
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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:	VY0515SBL01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022261.D	1		05/15/25 13:44	VY051525

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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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0515SBL01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022261.D	1		05/15/25 13:44	VY051525

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	42.8		71 - 136		86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		79 - 119		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	358000	7.707				
540-36-3	1,4-Difluorobenzene	618000	8.616				
3114-55-4	Chlorobenzene-d5	478000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	174000	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\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Time: May 16 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	357935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	617938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	477752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	173912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167429	42.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 85.600%			
35) Dibromofluoromethane	7.634	113	178256	48.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.660%			
50) Toluene-d8	10.103	98	735166	48.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.408	95	190691	39.828	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.660%			

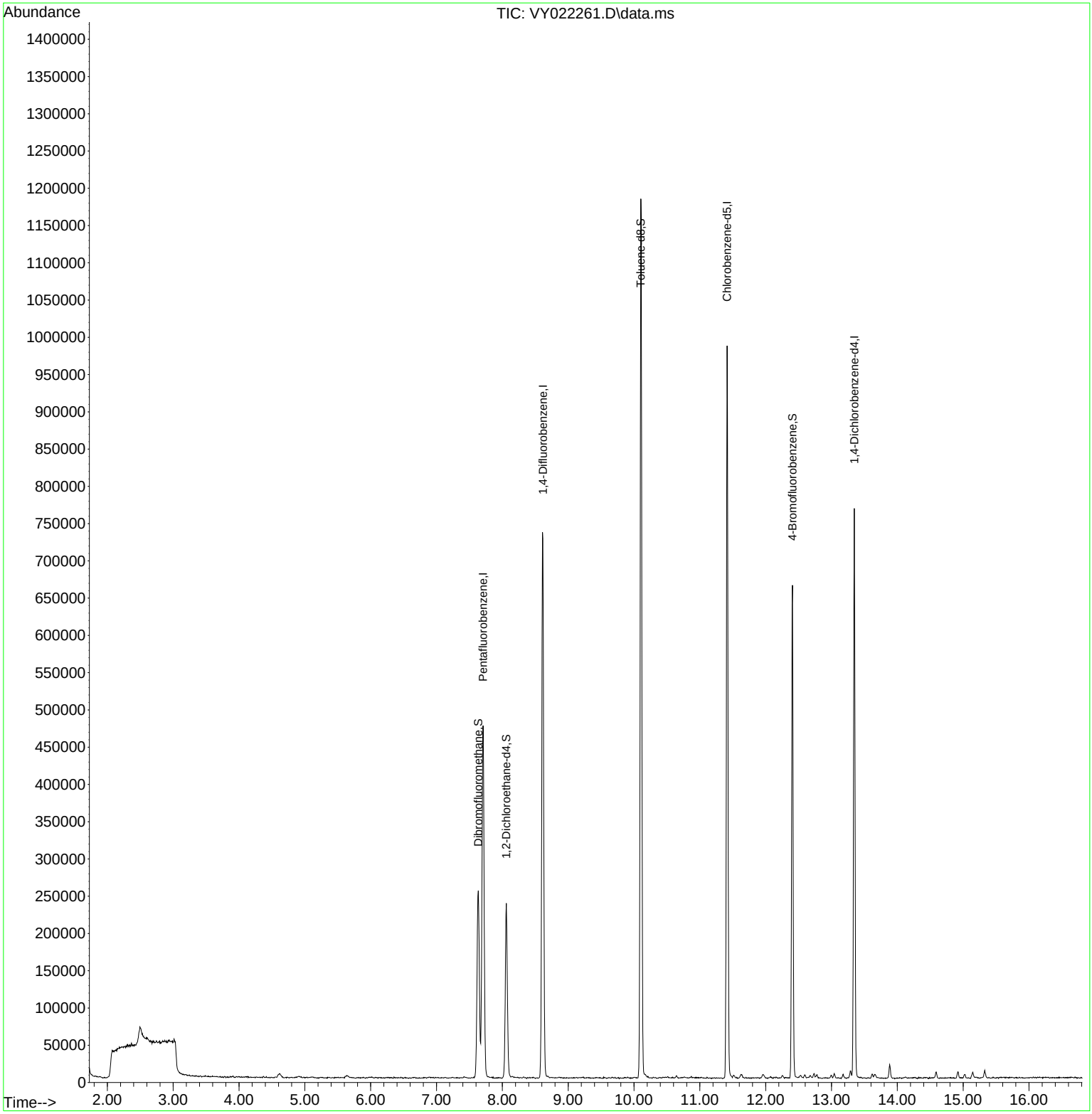
Target Compounds Qvalue

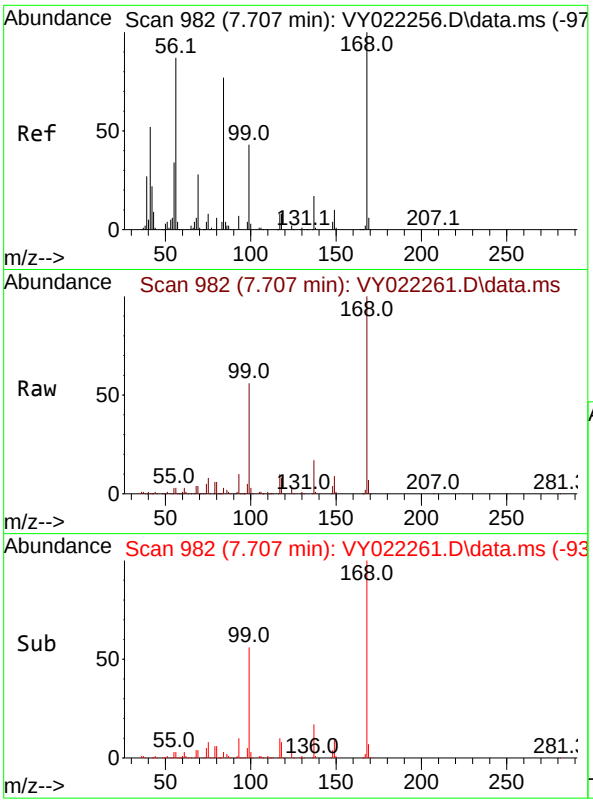
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022261.D
Acq On : 15 May 2025 13:44
Operator : SY/MD
Sample : VY0515SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Quant Time: May 16 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



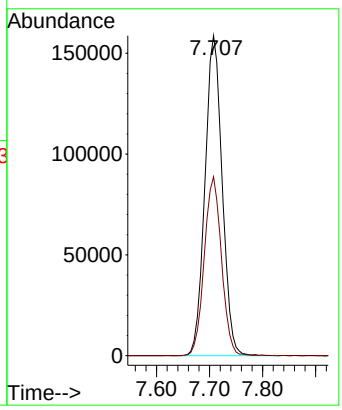


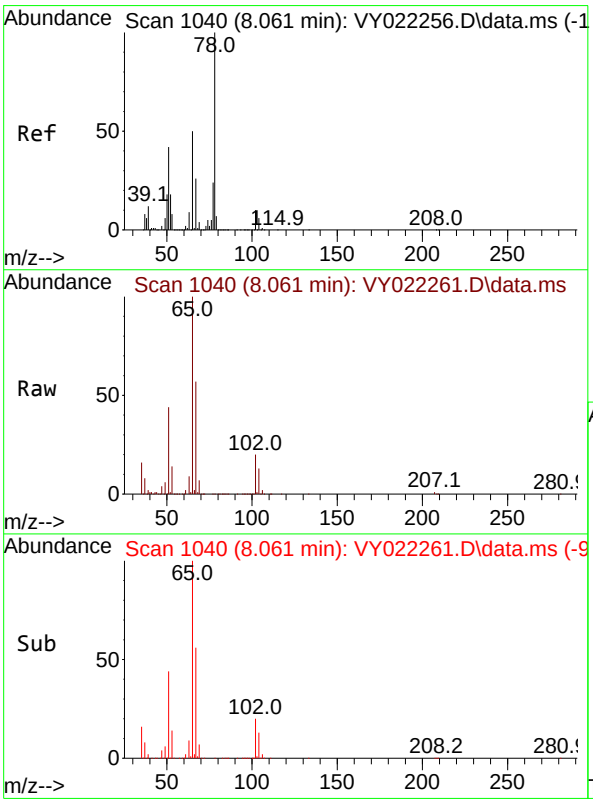
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion:168 Resp: 357935

Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.2	66.4

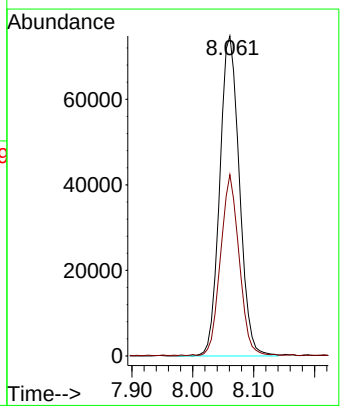


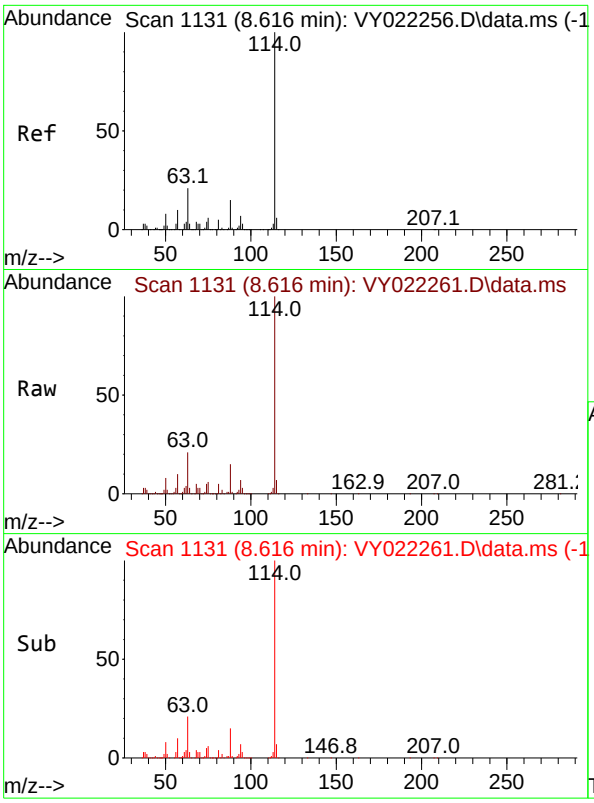


#33
1,2-Dichloroethane-d4
Concen: 42.800 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion: 65 Resp: 167429

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	104.6



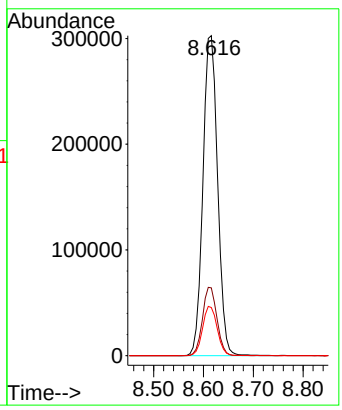


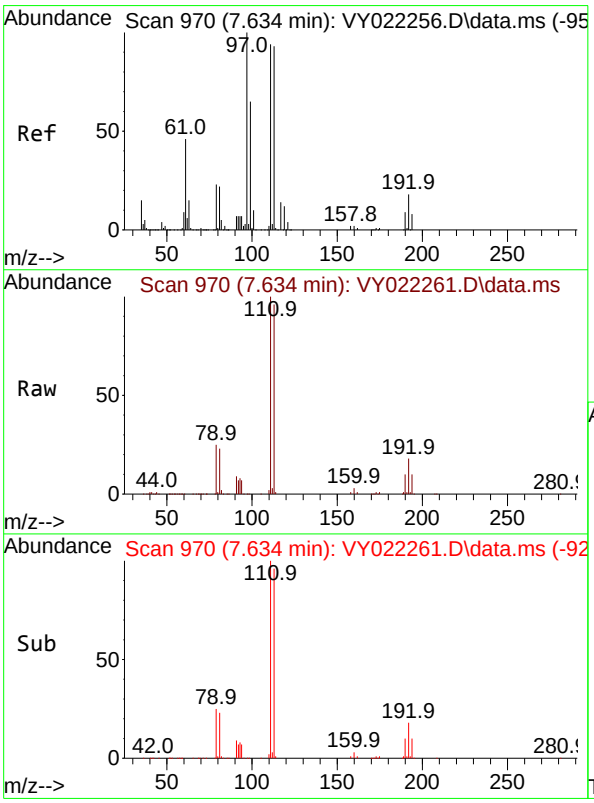
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion:114 Resp: 617938

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	15.1	0.0	29.4

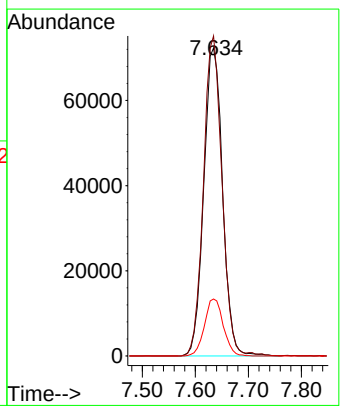


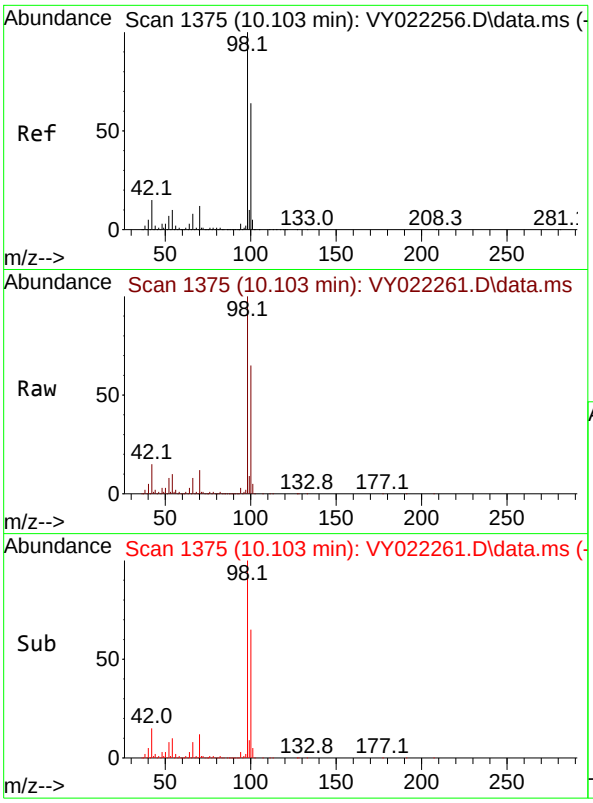


#35
Dibromofluoromethane
Concen: 48.331 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion:113 Resp: 178256

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	18.5	15.2	22.8



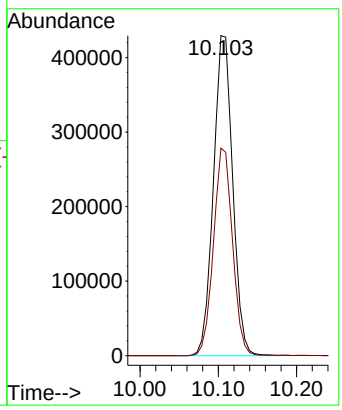


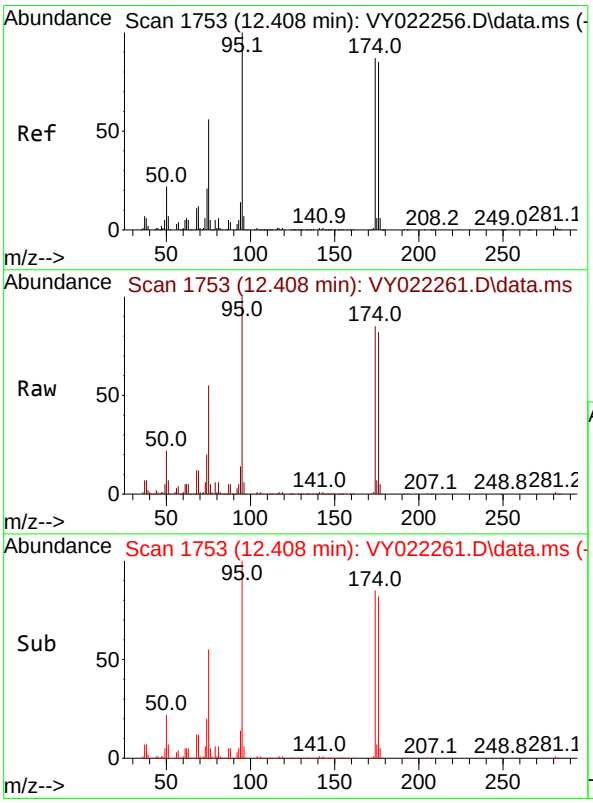
#50
Toluene-d8
Concen: 48.669 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion: 98 Resp: 735166

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

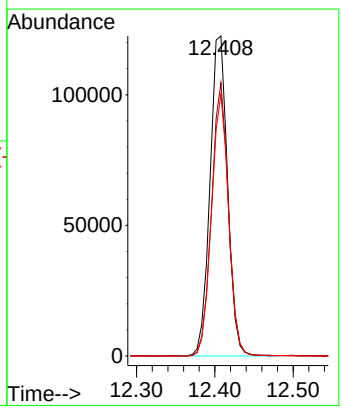


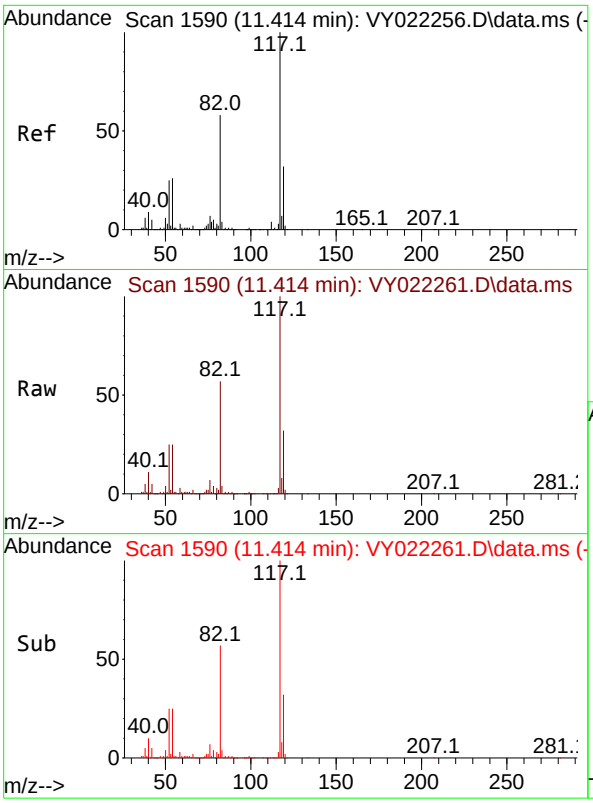


#62
4-Bromofluorobenzene
Concen: 39.828 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion: 95 Resp: 190691

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	166.8
176	79.5	0.0	160.8



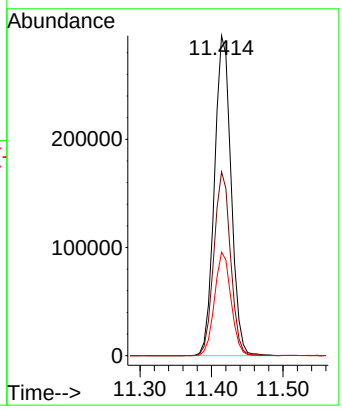


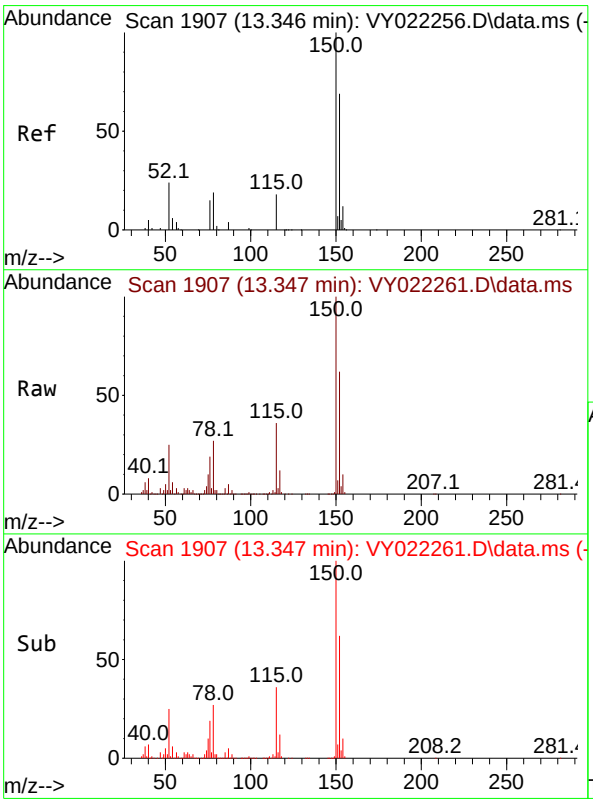
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBL01

Tgt Ion:117 Resp: 477752

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.6	70.0
119	32.3	25.8	38.6

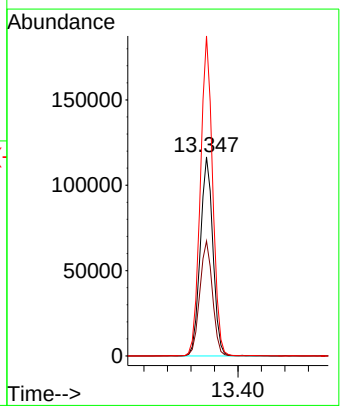




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022261.D
Acq: 15 May 2025 13:44

Tgt Ion:152 Resp: 173912

Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.4	88.2
150	156.2	0.0	353.8



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:	VY0516SBL01	SDG No.:	Q1984
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022278.D	1		05/16/25 09:37	VY051625

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

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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:	VY0516SBL01	SDG No.:	Q1984
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022278.D	1		05/16/25 09:37	VY051625

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

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q1984
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022278.D	1		05/16/25 09:37	VY051625

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	43.9		71 - 136		88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		78 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.8		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	314000	7.707				
540-36-3	1,4-Difluorobenzene	556000	8.616				
3114-55-4	Chlorobenzene-d5	426000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	151000	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\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	314347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	426459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150831	43.903	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.800%		
35) Dibromofluoromethane	7.634	113	158963	47.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.880%		
50) Toluene-d8	10.109	98	662270	48.771	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.540%		
62) 4-Bromofluorobenzene	12.408	95	208685	48.485	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.980%		

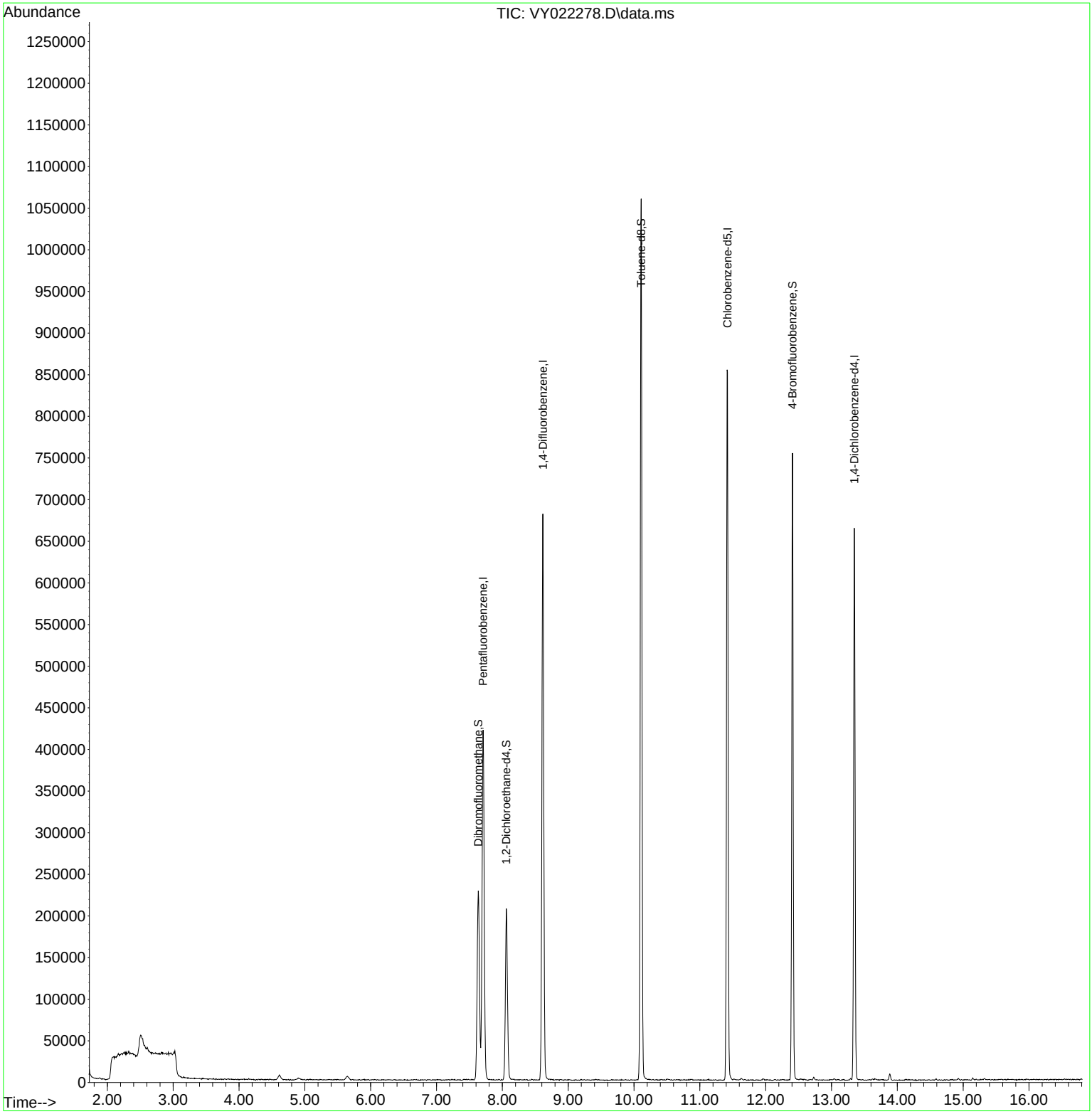
Target Compounds Qvalue

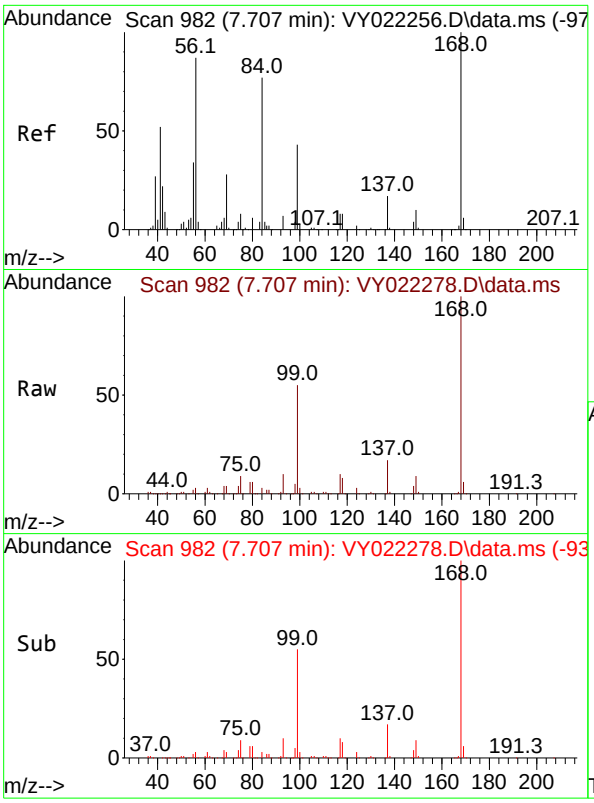
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



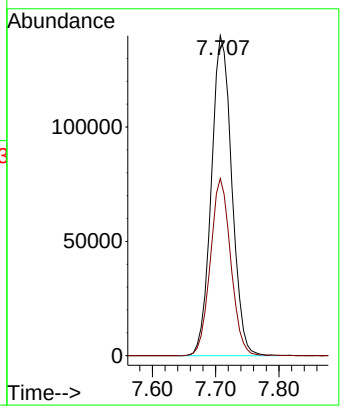


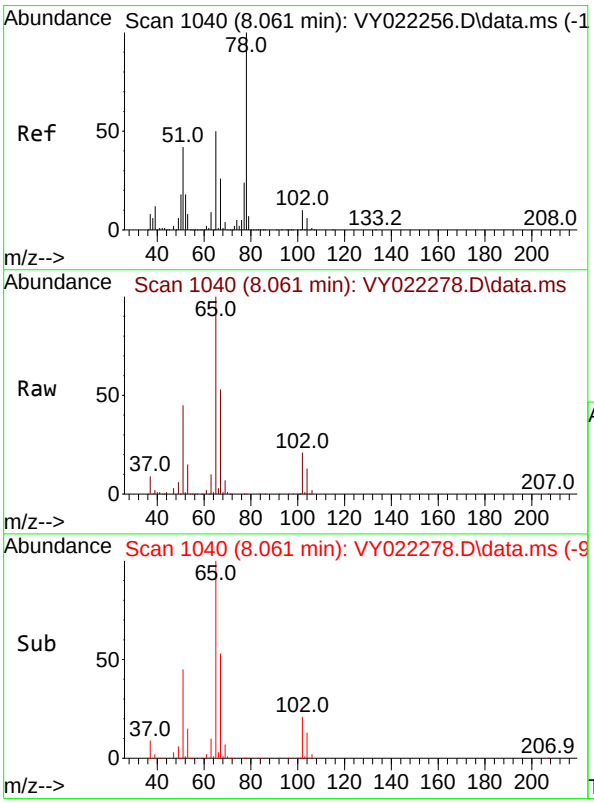
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:168 Resp: 314347

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

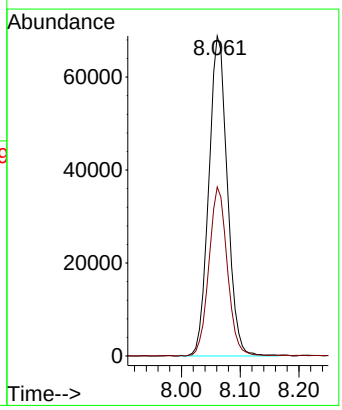


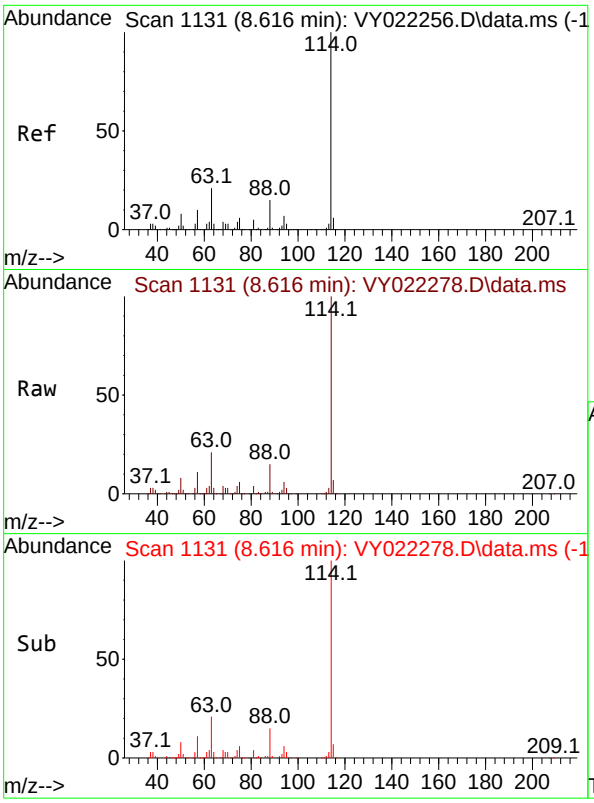


#33
1,2-Dichloroethane-d4
Concen: 43.903 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 65 Resp: 150831

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



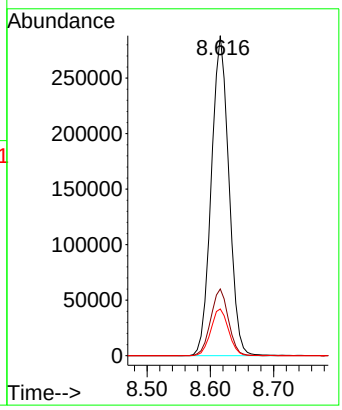


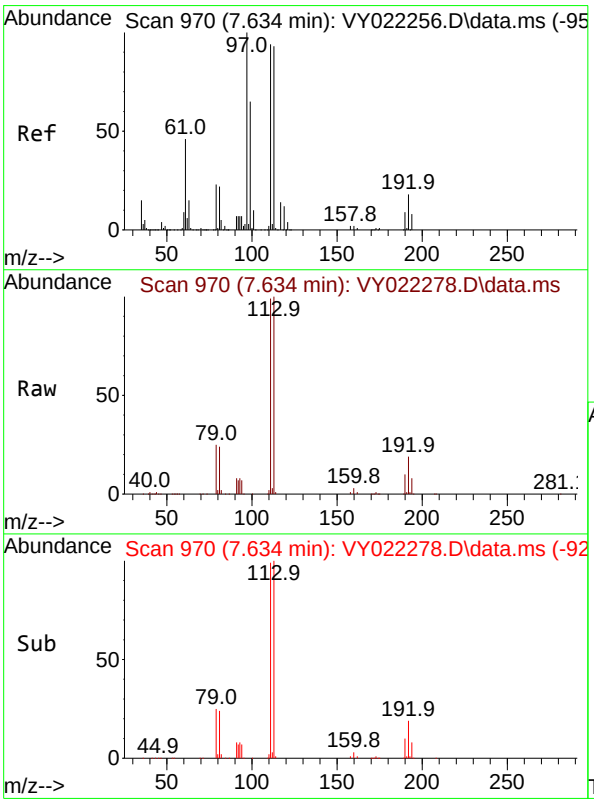
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:114 Resp: 555500

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	14.6	0.0	29.4

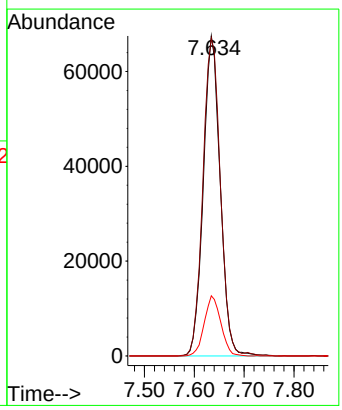


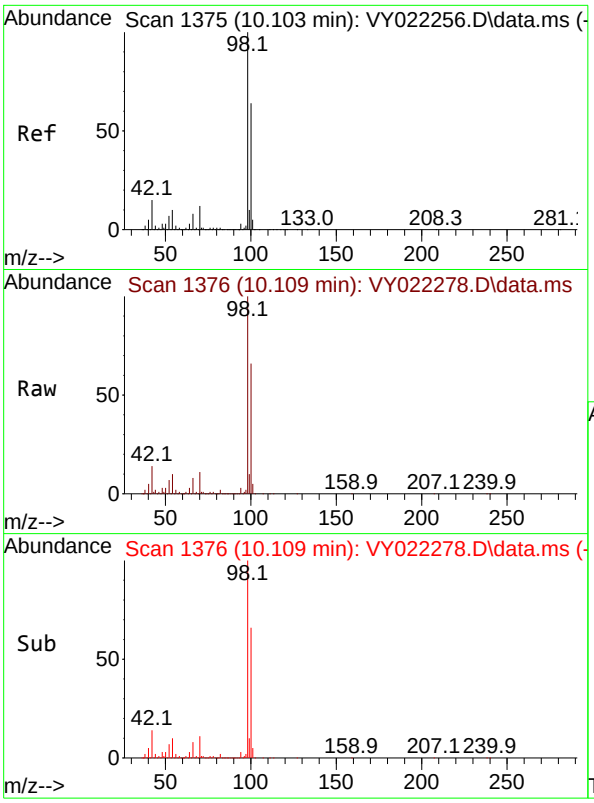


#35
Dibromofluoromethane
Concen: 47.945 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:113 Resp: 158963

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



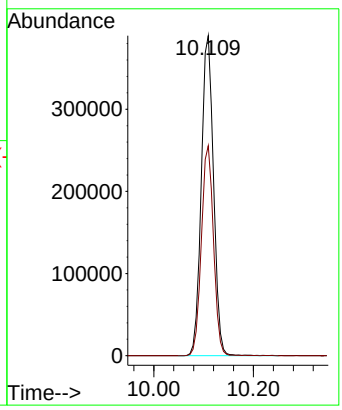


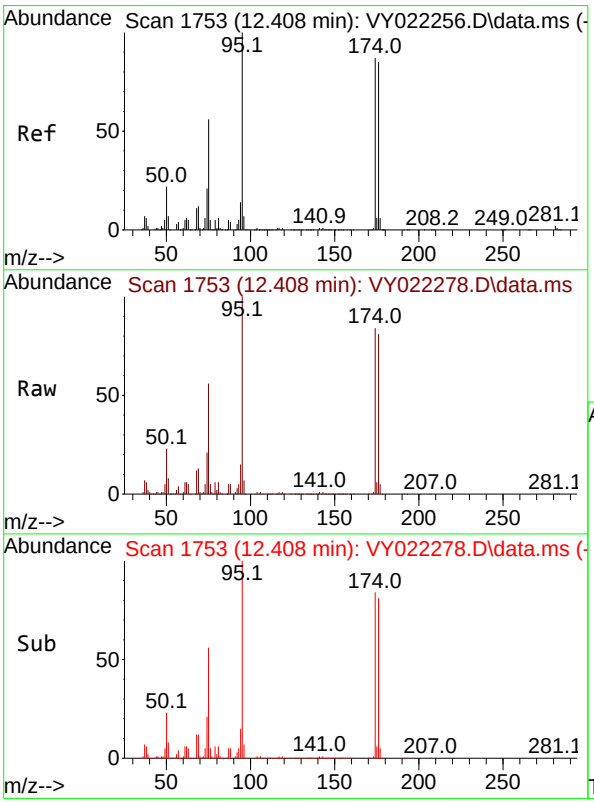
#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion: 98 Resp: 662270

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8

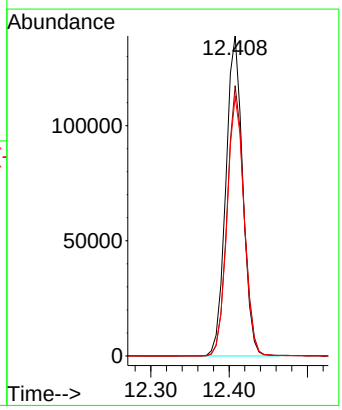


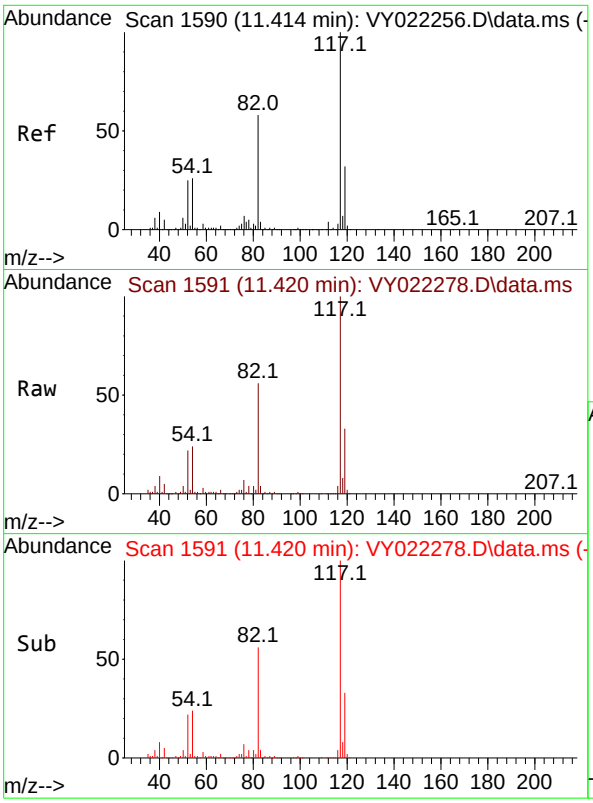


#62
4-Bromofluorobenzene
Concen: 48.485 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 95 Resp: 208685

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	166.8
176	81.7	0.0	160.8



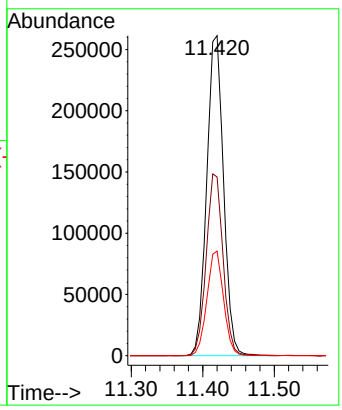


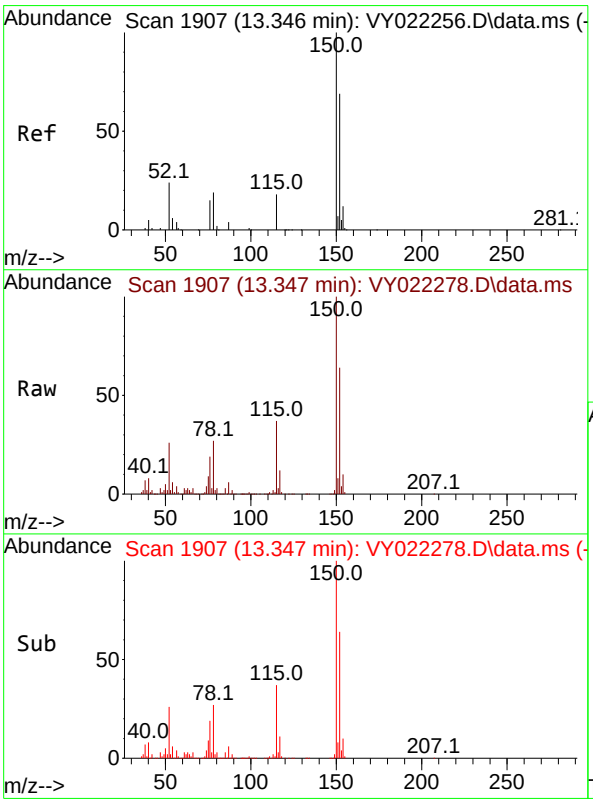
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:117 Resp: 426459

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	32.7	25.8	38.6

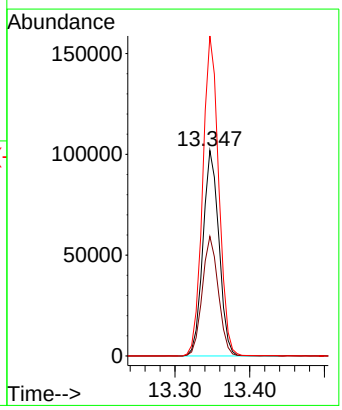




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:152 Resp: 151389

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	156.5	0.0	353.8



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:	VY0515SBS01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022262.D	1		05/15/25 14:07	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.022		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.024		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.024		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.025		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.023		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.10		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.023		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	0.021		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.10		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.10		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.021		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.021		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.098		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	0.021		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.098		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:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0515SBS01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022262.D	1		05/15/25 14:07	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		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	0.096		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		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	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.020		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.060		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.020		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.020		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.020		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.021		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.020		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.020		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.020		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.020		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0515SBS01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022262.D	1		05/15/25 14:07	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.021		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.020		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.019		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		71 - 136		102%	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	50.2		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	241000	7.707				
540-36-3	1,4-Difluorobenzene	406000	8.616				
3114-55-4	Chlorobenzene-d5	345000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	163000	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\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	240556	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405751	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344872	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163448	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	134549	51.178 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%		
35) Dibromofluoromethane	7.634	113	123849	51.140 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.280%		
50) Toluene-d8	10.103	98	508643	51.282 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.560%		
62) 4-Bromofluorobenzene	12.408	95	157889	50.222 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.440%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.861	85	55866	22.256 ug/l	96
3) Chloromethane	2.062	50	128835	24.400 ug/l	99
4) Vinyl Chloride	2.202	62	138947	23.553 ug/l	97
5) Bromomethane	2.592	94	119304	24.843 ug/l	100
6) Chloroethane	2.732	64	83509	22.754 ug/l	98
7) Trichlorofluoromethane	3.050	101	136929	22.926 ug/l	97
8) Diethyl Ether	3.452	74	29041	20.261 ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	54846	21.152 ug/l	99
10) Methyl Iodide	4.001	142	55406	18.462 ug/l	98
11) Tert butyl alcohol	4.872	59	20159	100.411 ug/l #	100
12) 1,1-Dichloroethene	3.781	96	54958	21.358 ug/l	99
13) Acrolein	3.653	56	29036	98.931 ug/l	96
14) Allyl chloride	4.379	41	93389	20.699 ug/l	97
15) Acrylonitrile	5.055	53	60103	101.763 ug/l	99
16) Acetone	3.873	43	49514	100.441 ug/l	99
17) Carbon Disulfide	4.104	76	179245	21.362 ug/l	99
18) Methyl Acetate	4.385	43	29743	19.136 ug/l	96
19) Methyl tert-butyl Ether	5.110	73	144494	20.366 ug/l	99
20) Methylene Chloride	4.616	84	67724	21.261 ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	58315	20.532 ug/l	96
22) Diisopropyl ether	6.018	45	196421	20.615 ug/l	100
23) Vinyl Acetate	5.958	43	578998	100.588 ug/l	99
24) 1,1-Dichloroethane	5.915	63	110449	20.749 ug/l	97
25) 2-Butanone	6.896	43	81164	98.430 ug/l	97
26) 2,2-Dichloropropane	6.884	77	98935	20.897 ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	68417	20.875 ug/l	99
28) Bromochloromethane	7.244	49	47380	20.868 ug/l	100
29) Tetrahydrofuran	7.262	42	54316	102.386 ug/l	99
30) Chloroform	7.421	83	108086	21.169 ug/l	95
31) Cyclohexane	7.701	56	111819	21.025 ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	98630	21.056 ug/l	98
36) 1,1-Dichloropropene	7.835	75	81482	20.427 ug/l	99
37) Ethyl Acetate	6.988	43	38460	20.039 ug/l	98
38) Carbon Tetrachloride	7.817	117	84041	20.354 ug/l	95
39) Methylcyclohexane	9.109	83	112902	21.067 ug/l	99
40) Benzene	8.079	78	245775	20.784 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	26058m	20.468	ug/l		
42) 1,2-Dichloroethane	8.158	62	65234	20.399	ug/l		100
43) Isopropyl Acetate	8.195	43	82723	19.763	ug/l	#	88
44) Trichloroethene	8.866	130	60548	20.593	ug/l		100
45) 1,2-Dichloropropane	9.140	63	58205	20.416	ug/l		96
46) Dibromomethane	9.231	93	31296	20.353	ug/l		99
47) Bromodichloromethane	9.420	83	83066	20.823	ug/l		99
48) Methyl methacrylate	9.219	41	38763	19.803	ug/l		98
49) 1,4-Dioxane	9.231	88	6813	392.199	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	201472	98.097	ug/l		99
52) Toluene	10.170	92	150777	20.135	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	77444	19.893	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	91983	20.623	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	39755	20.190	ug/l		98
56) Ethyl methacrylate	10.438	69	60445	19.707	ug/l		99
57) 1,3-Dichloropropane	10.713	76	70964	20.284	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	124088	90.134	ug/l		100
59) 2-Hexanone	10.762	43	132798	96.437	ug/l		98
60) Dibromochloromethane	10.908	129	52808	20.662	ug/l		98
61) 1,2-Dibromoethane	11.012	107	36868	20.089	ug/l		100
64) Tetrachloroethene	10.646	164	63391	19.886	ug/l		98
65) Chlorobenzene	11.438	112	157927	20.297	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	52751	19.721	ug/l		99
67) Ethyl Benzene	11.518	91	292819	20.095	ug/l		98
68) m/p-Xylenes	11.627	106	218261	39.750	ug/l		99
69) o-Xylene	11.950	106	103620	19.946	ug/l		99
70) Styrene	11.969	104	173798	19.833	ug/l		99
71) Bromoform	12.127	173	28611	19.817	ug/l	#	99
73) Isopropylbenzene	12.255	105	272938	20.157	ug/l		100
74) N-amyl acetate	12.066	43	75451	19.483	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	41948	20.143	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	33194m	20.046	ug/l		
77) Bromobenzene	12.530	156	56683	19.600	ug/l		96
78) n-propylbenzene	12.590	91	336430	20.598	ug/l		99
79) 2-Chlorotoluene	12.676	91	177870	19.817	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	217065	19.858	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	15228	18.629	ug/l		99
82) 4-Chlorotoluene	12.779	91	184041	19.935	ug/l		100
83) tert-Butylbenzene	12.993	119	197455	20.324	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	216888	19.988	ug/l		99
85) sec-Butylbenzene	13.176	105	292767	20.300	ug/l		99
86) p-Isopropyltoluene	13.292	119	241434	19.905	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	115782	19.611	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	113146	19.924	ug/l		100
89) n-Butylbenzene	13.615	91	233741	20.370	ug/l		99
90) Hexachloroethane	13.877	117	49361	20.160	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97586	19.678	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6960	20.726	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	56627	19.768	ug/l		99
94) Hexachlorobutadiene	15.023	225	32198	20.155	ug/l		97
95) Naphthalene	15.145	128	102697	18.892	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	47086	19.376	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

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\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

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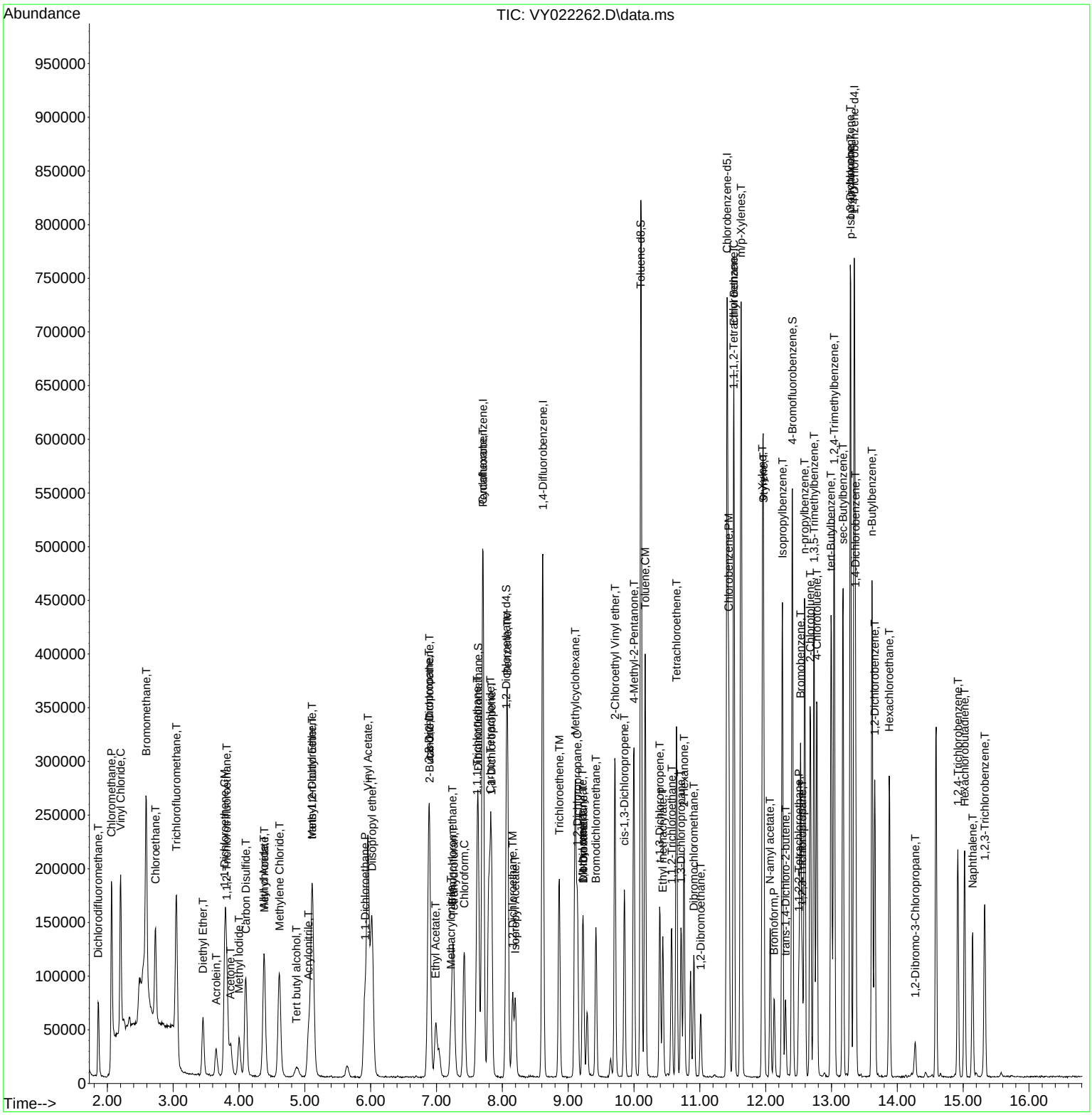
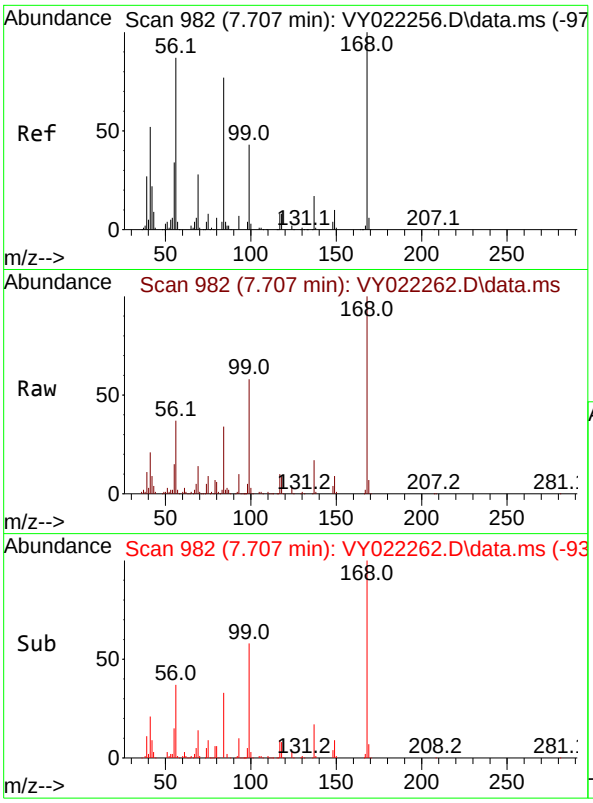
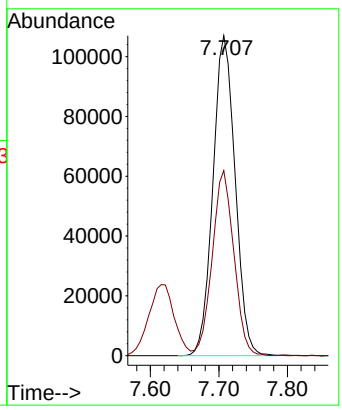




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:168 Resp: 24055

Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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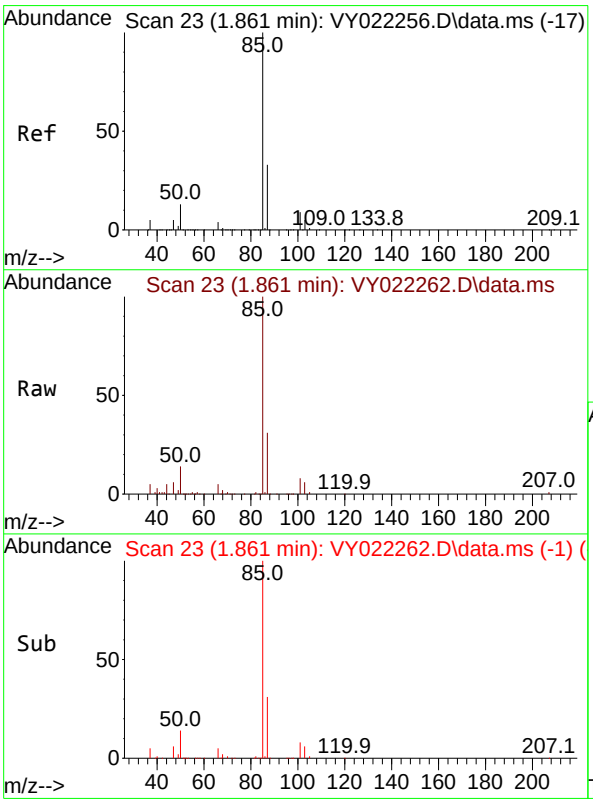
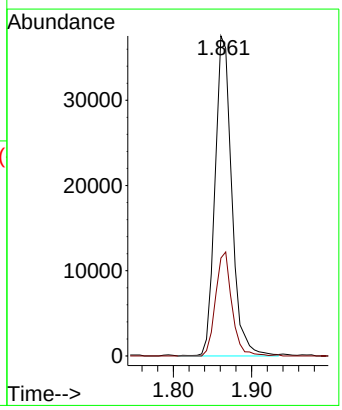
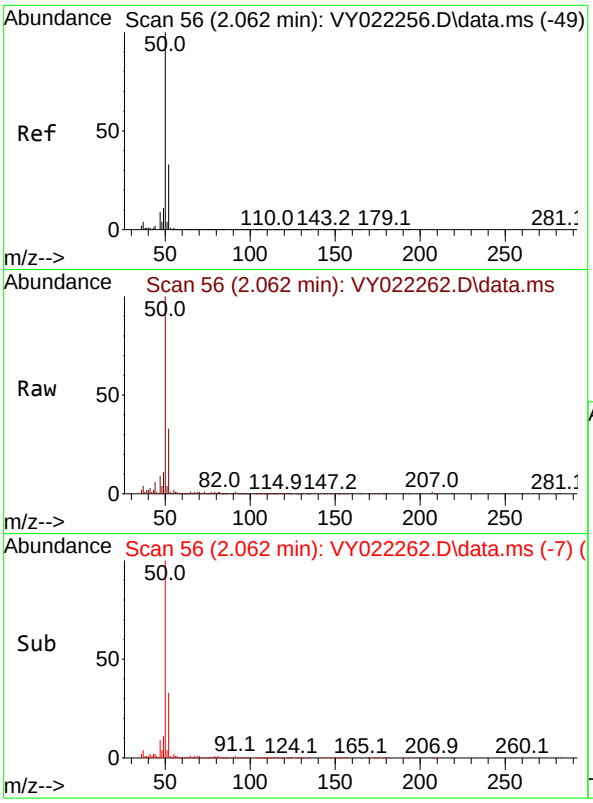


#2
Dichlorodifluoromethane
Concen: 22.256 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 85 Resp: 55866

Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.5	49.5

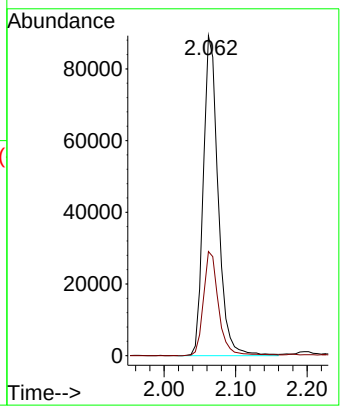




#3
Chloromethane
Concen: 24.400 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 50 Resp: 12883

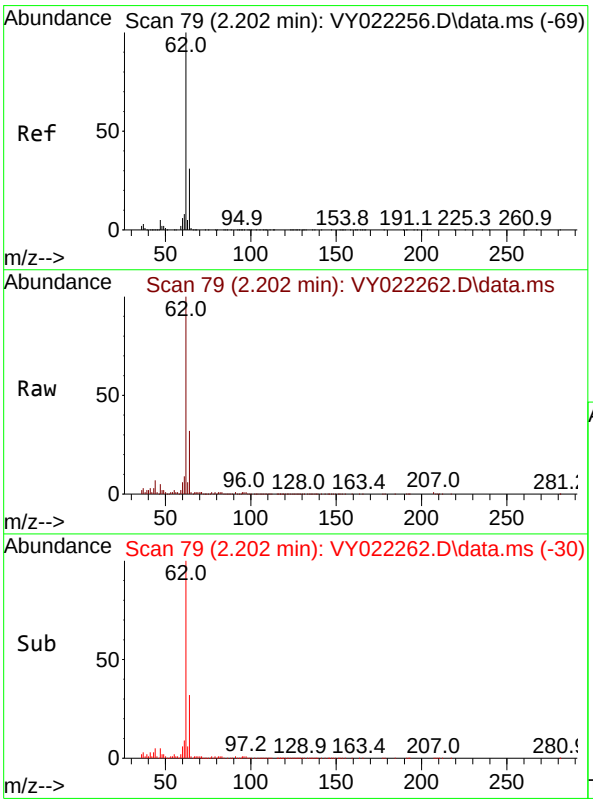
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

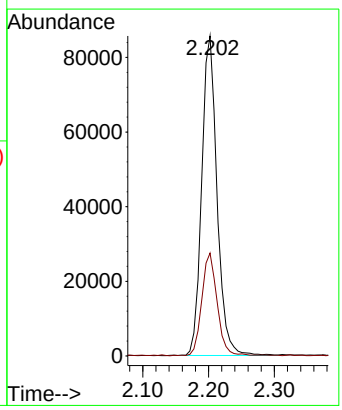
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

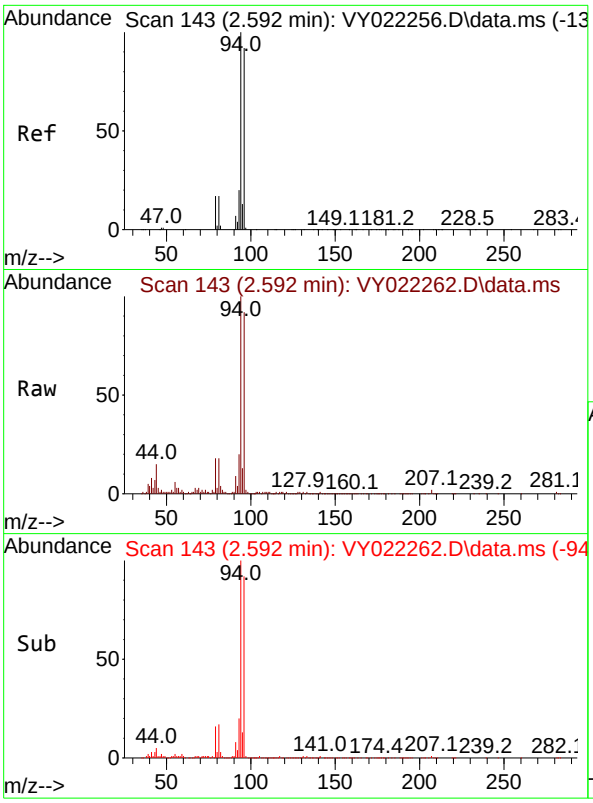


#4
Vinyl Chloride
Concen: 23.553 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 62 Resp: 138947

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.5	36.7

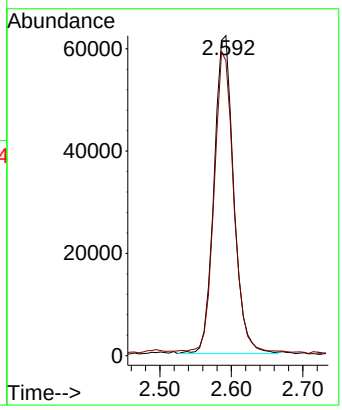




#5
Bromomethane
Concen: 24.843 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 94 Resp: 11930

Ion	Ratio	Lower	Upper
94	100		
96	91.3	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
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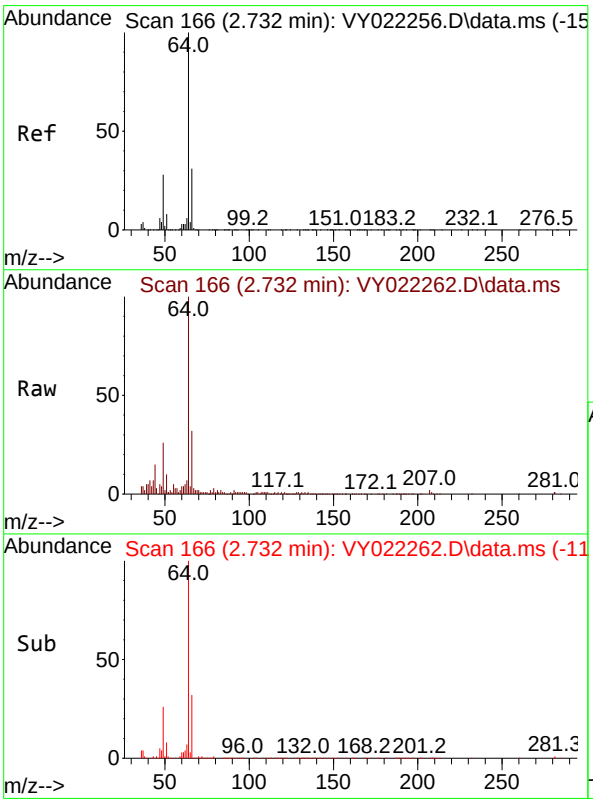
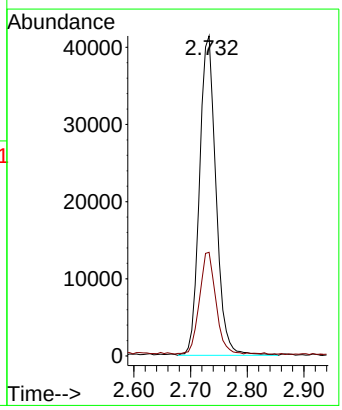
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

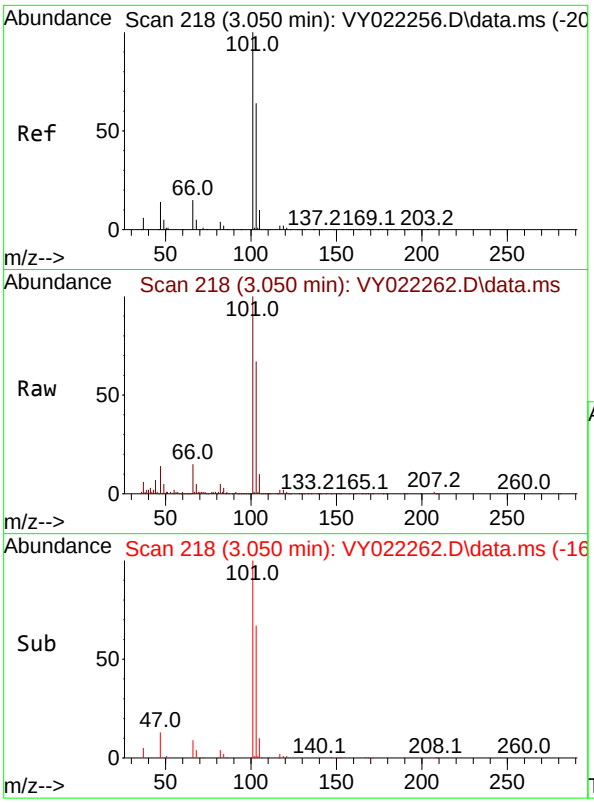


#6
Chloroethane
Concen: 22.754 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 64 Resp: 83509

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.8	37.2

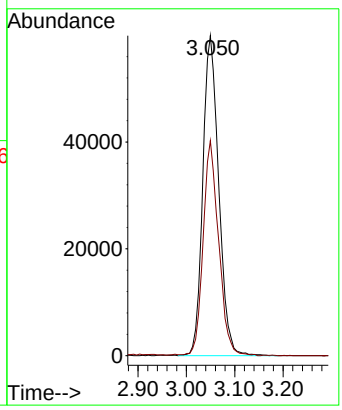




#7
Trichlorofluoromethane
Concen: 22.926 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:101 Resp: 13692

Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

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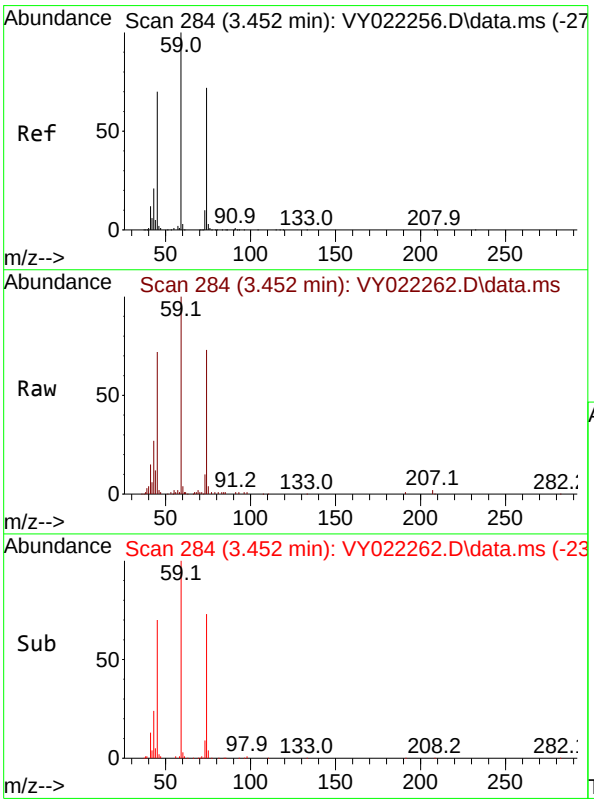
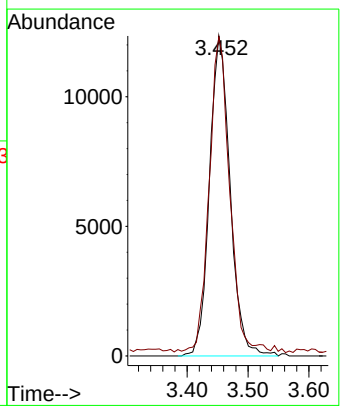
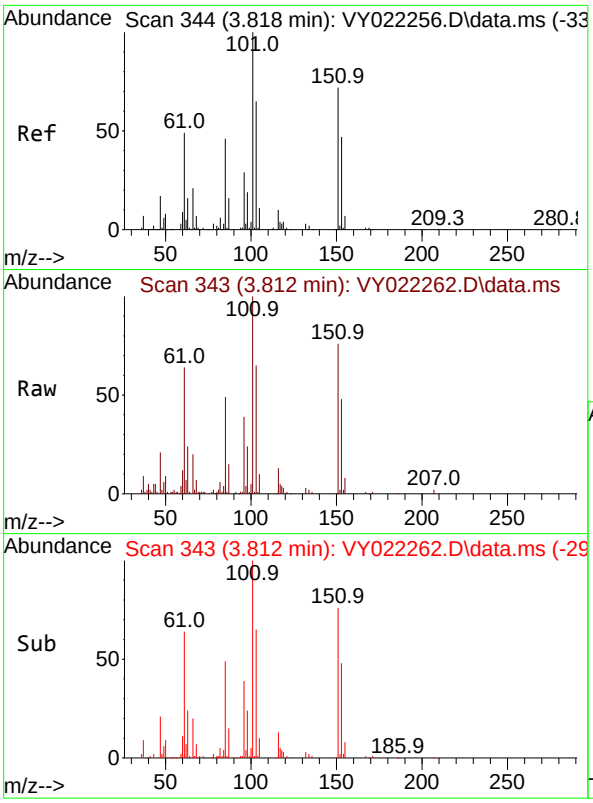


#8
Diethyl Ether
Concen: 20.261 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 74 Resp: 29041

Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8

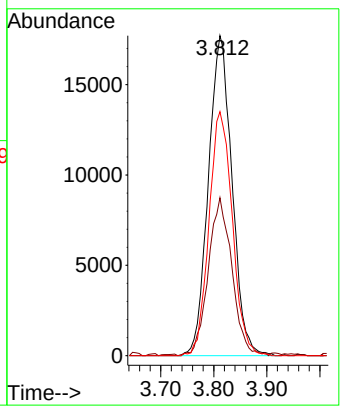




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.152 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:101 Resp: 5484

Ion	Ratio	Lower	Upper
101	100		
85	49.2	38.6	58.0
151	75.4	59.7	89.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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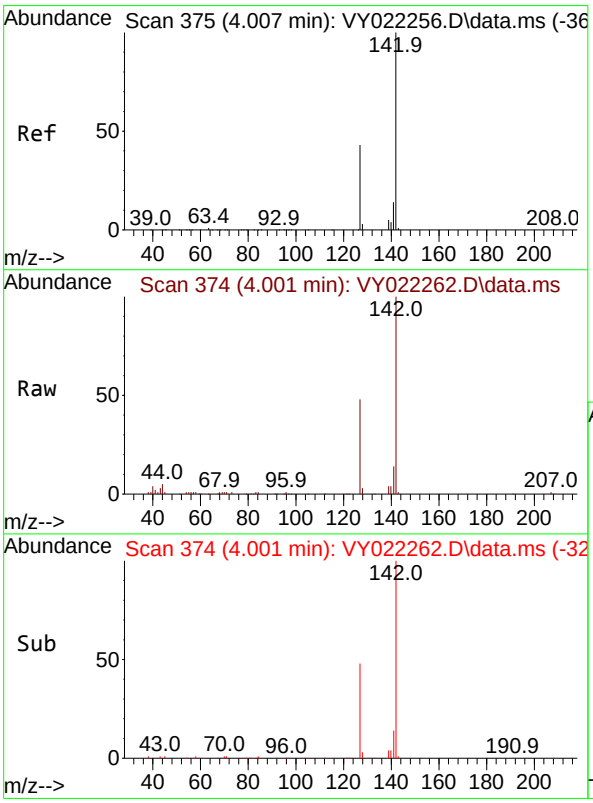
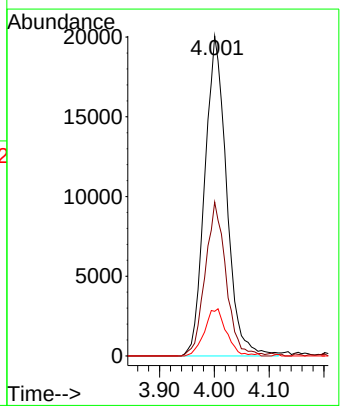
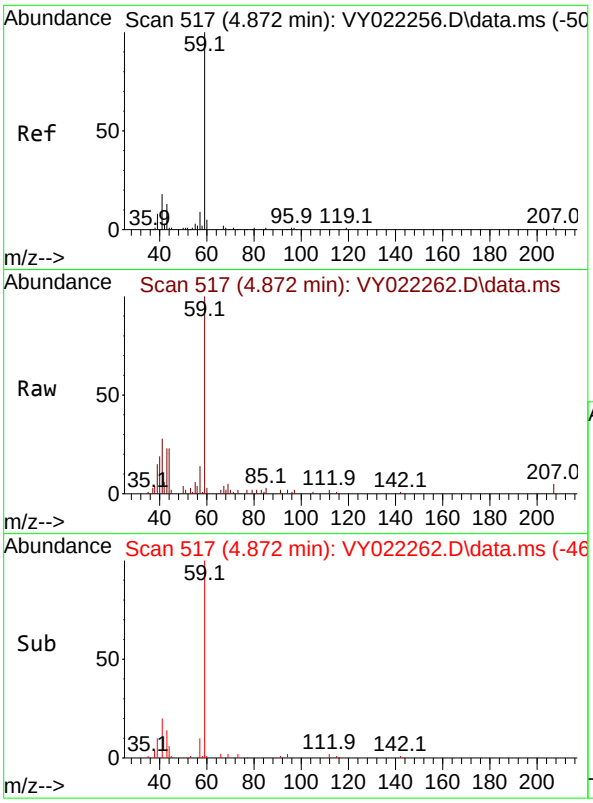


#10
Methyl Iodide
Concen: 18.462 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:142 Resp: 55406

Ion	Ratio	Lower	Upper
142	100		
127	46.0	35.7	53.5
141	14.9	11.1	16.7





#11
Tert butyl alcohol
Concen: 100.411 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 59 Resp: 2015

Ion	Ratio	Lower	Upper
59	100		
57	5.4	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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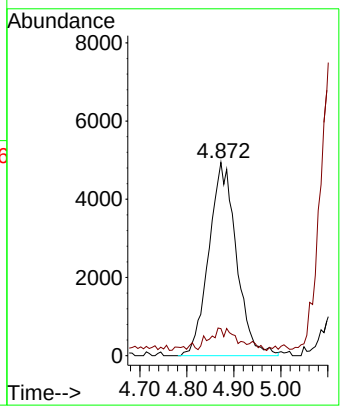
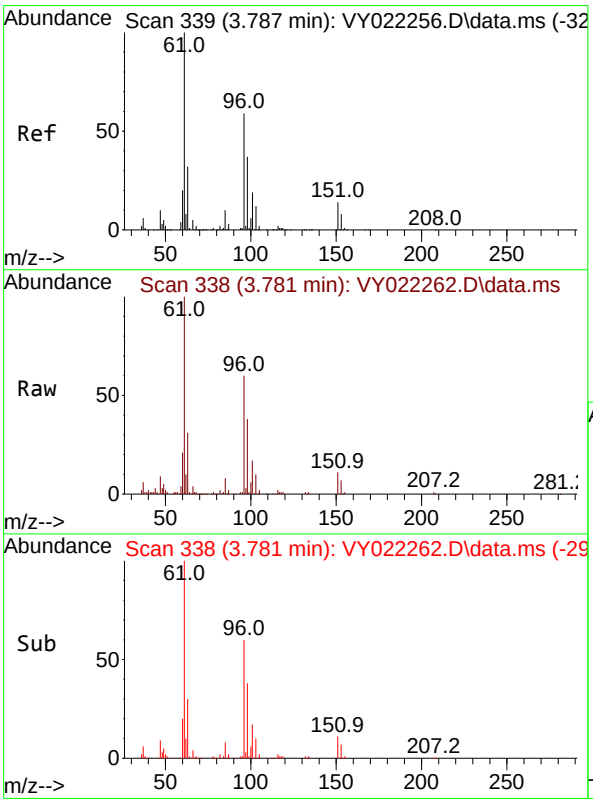
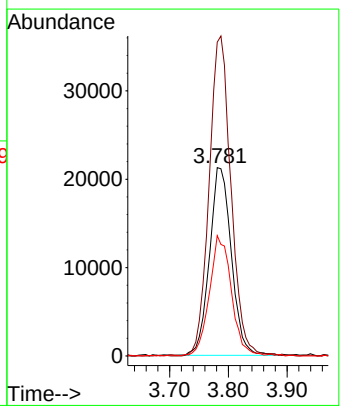


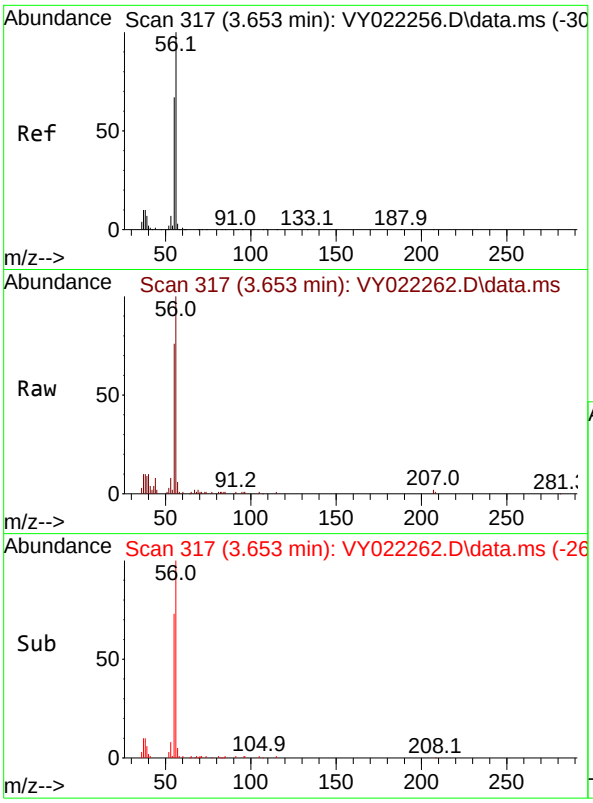


#12
1,1-Dichloroethene
Concen: 21.358 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 96 Resp: 54958

Ion	Ratio	Lower	Upper
96	100		
61	167.2	134.9	202.3
98	63.8	49.9	74.9

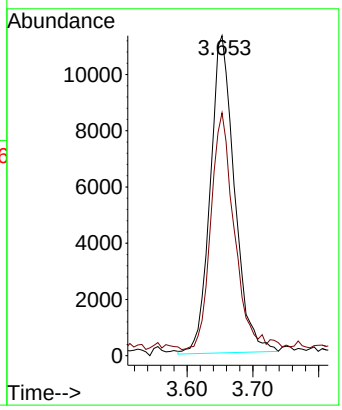




#13
Acrolein
Concen: 98.931 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 56 Resp: 2903

Ion	Ratio	Lower	Upper
56	100		
55	72.9	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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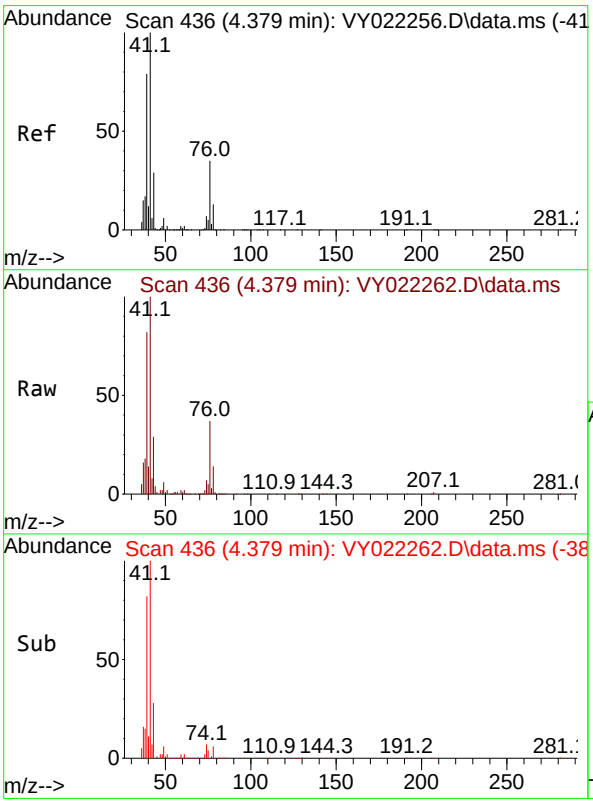
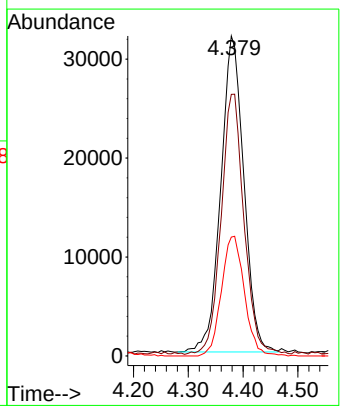
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

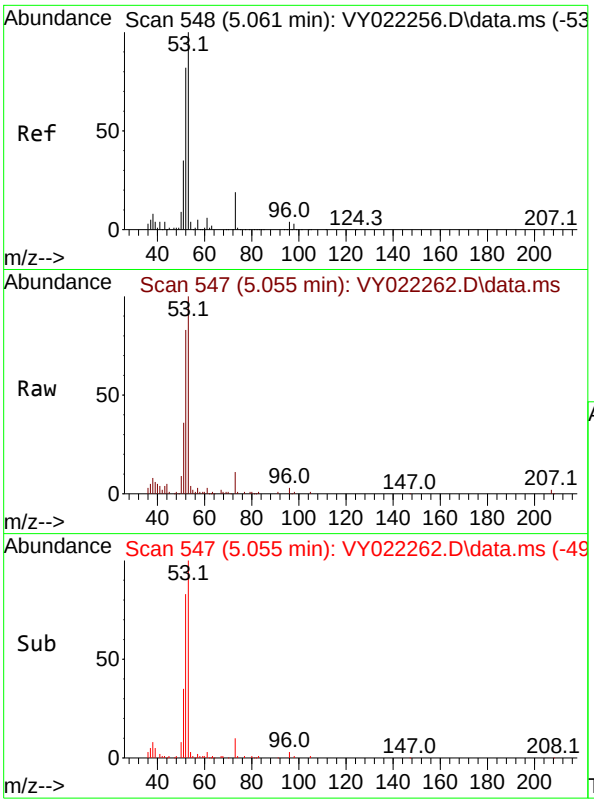


#14
Allyl chloride
Concen: 20.699 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 41 Resp: 93389

Ion	Ratio	Lower	Upper
41	100		
39	82.0	63.4	95.0
76	37.8	29.5	44.3





#15
Acrylonitrile
Concen: 101.763 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 53 Resp: 6010

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	38.7	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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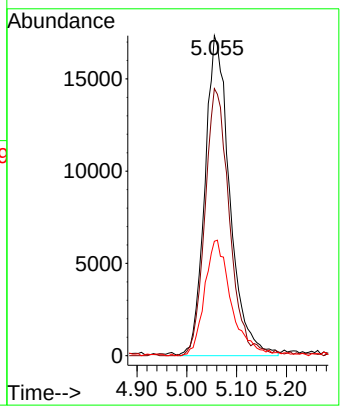
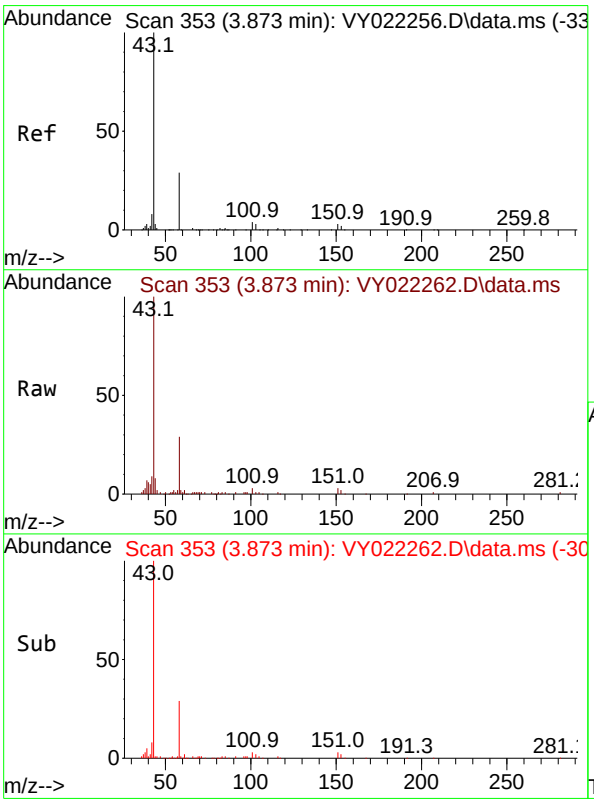
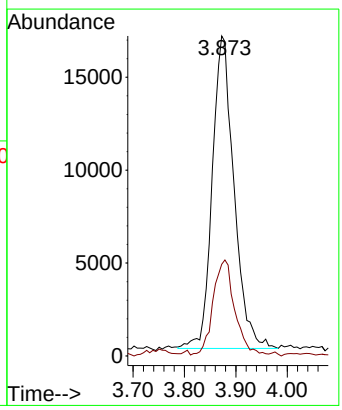


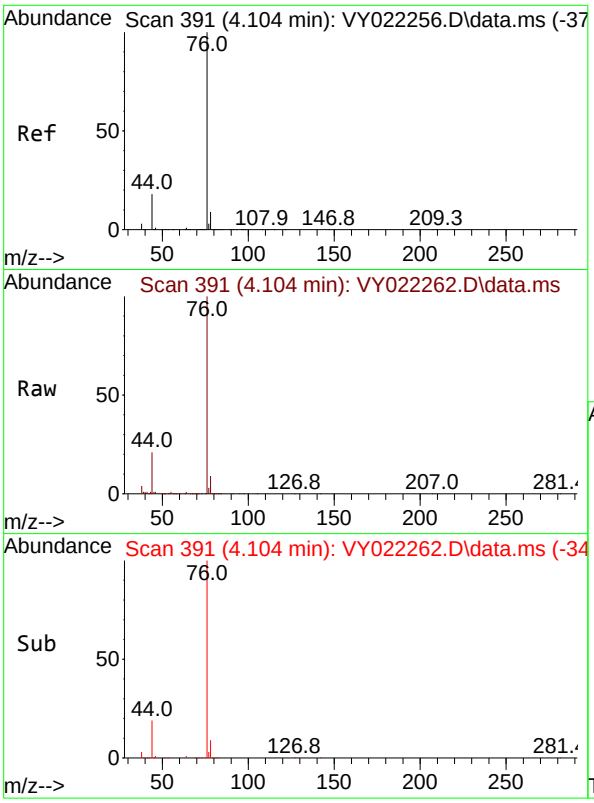


#16
Acetone
Concen: 100.441 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 49514

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.6	35.4





#17
Carbon Disulfide
Concen: 21.362 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 76 Resp: 17924

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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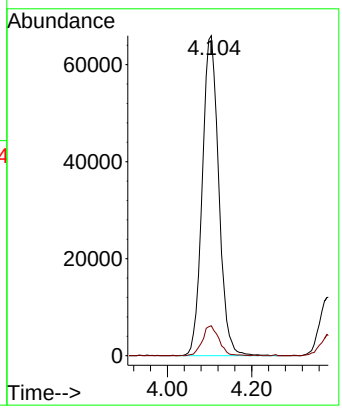
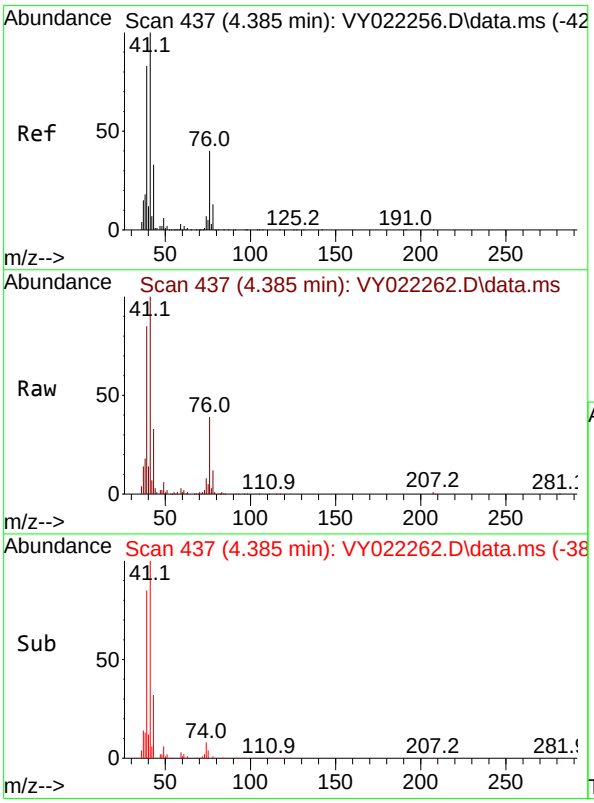
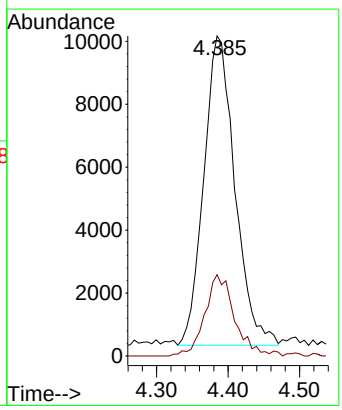


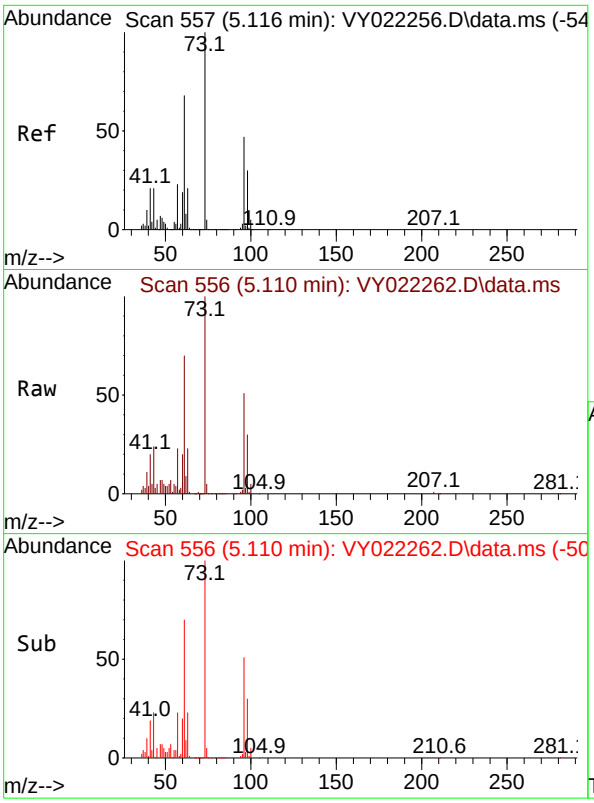


#18
Methyl Acetate
Concen: 19.136 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 29743

Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.2	27.4





#19
Methyl tert-butyl Ether
Concen: 20.366 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 73 Resp: 14449

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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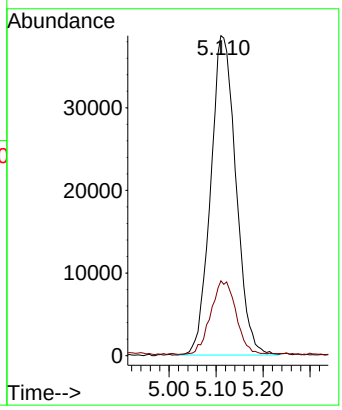
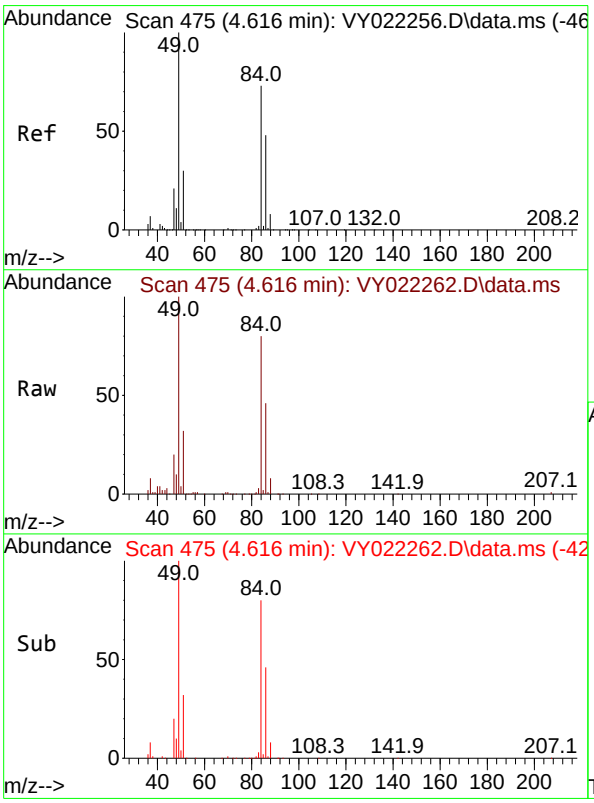
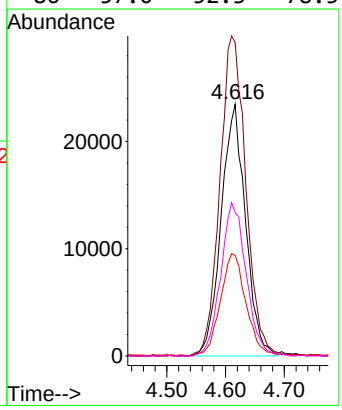


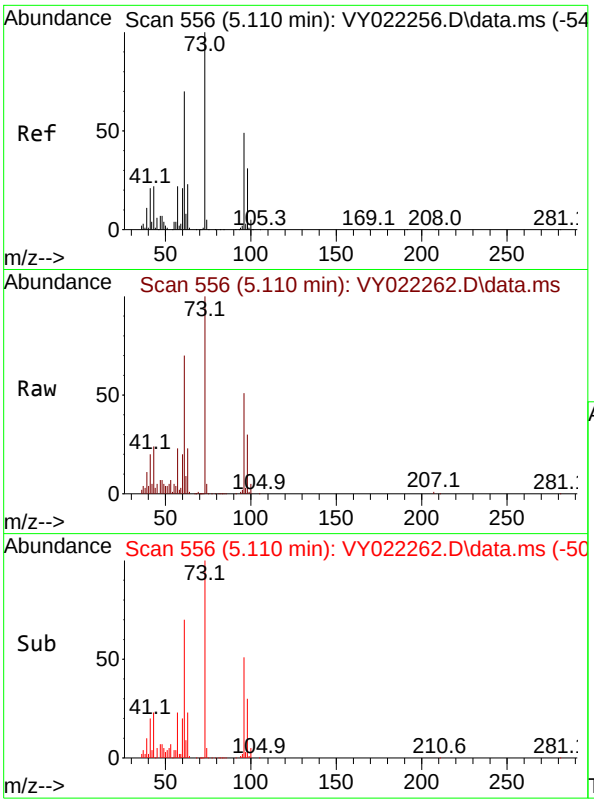


#20
Methylene Chloride
Concen: 21.261 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 84 Resp: 67724

Ion	Ratio	Lower	Upper
84	100		
49	124.5	109.6	164.4
51	39.6	32.4	48.6
86	57.0	52.3	78.5

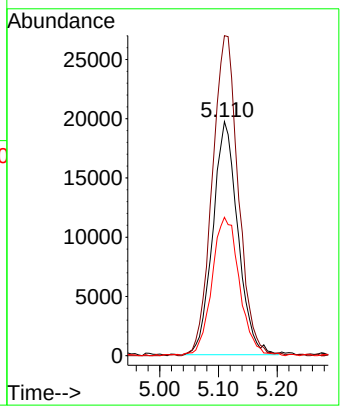




#21
trans-1,2-Dichloroethene
Concen: 20.532 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 96 Resp: 5831

Ion	Ratio	Lower	Upper
96	100		
61	137.3	113.4	170.0
98	58.8	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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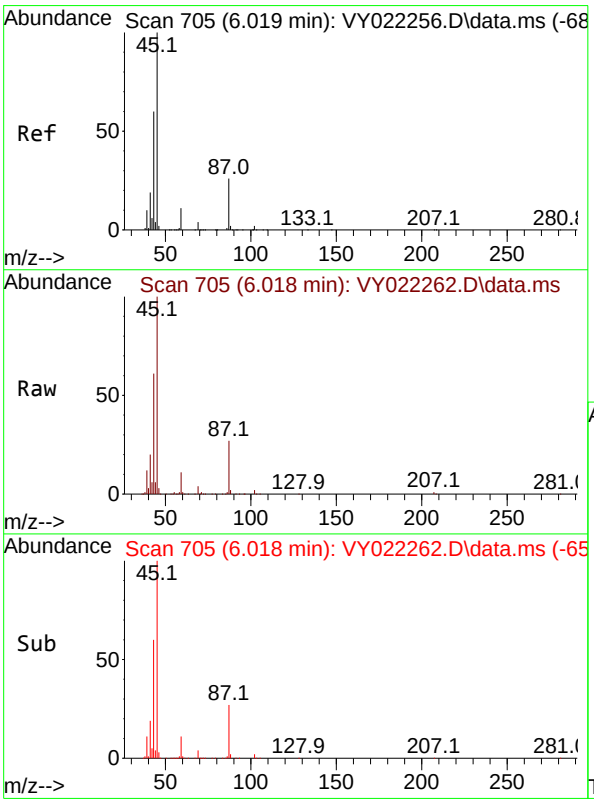
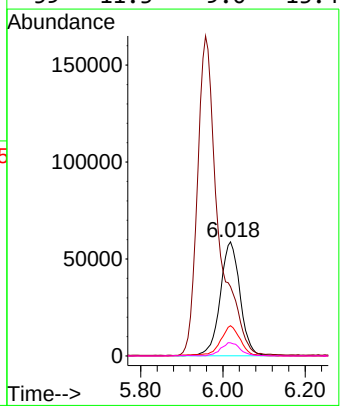
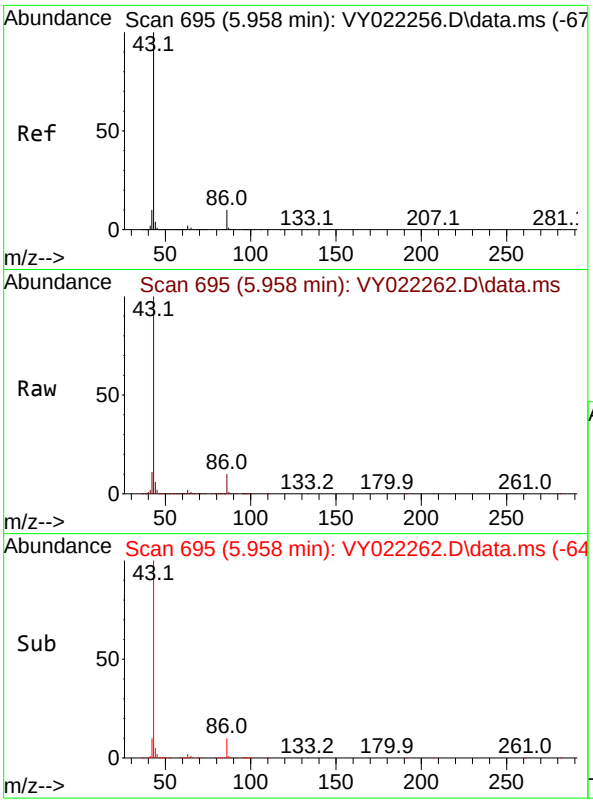


#22
Diisopropyl ether
Concen: 20.615 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 45 Resp: 196421

Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	26.6	21.4	32.0
59	11.3	9.0	13.4

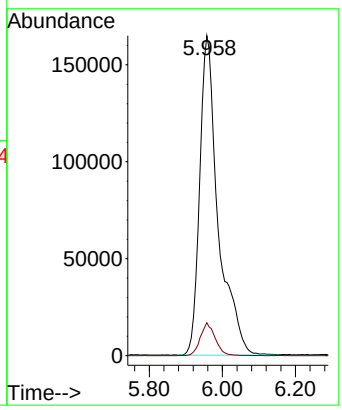




#23
Vinyl Acetate
Concen: 100.588 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 57899

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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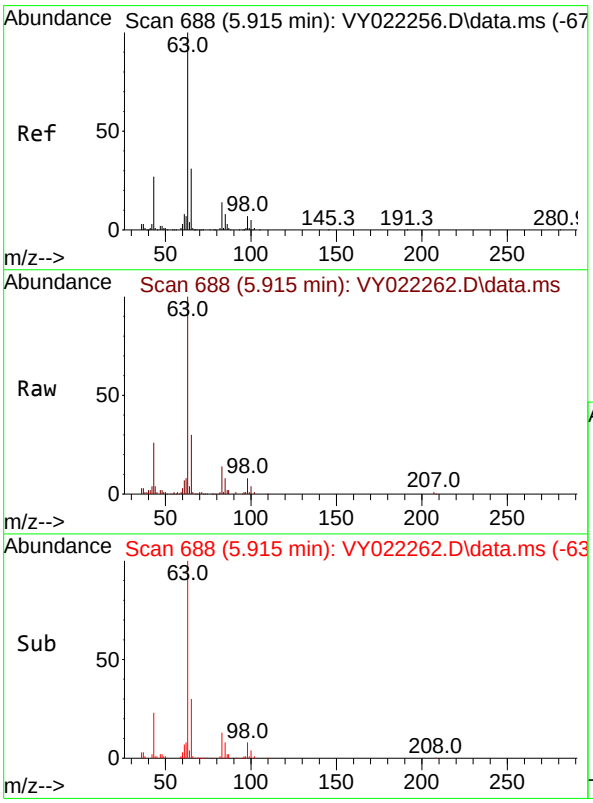
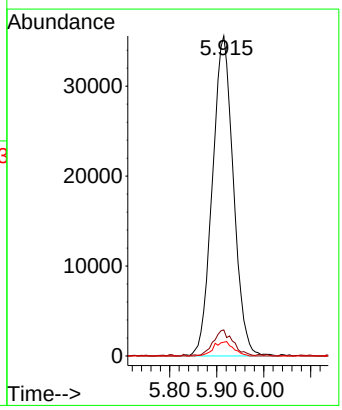
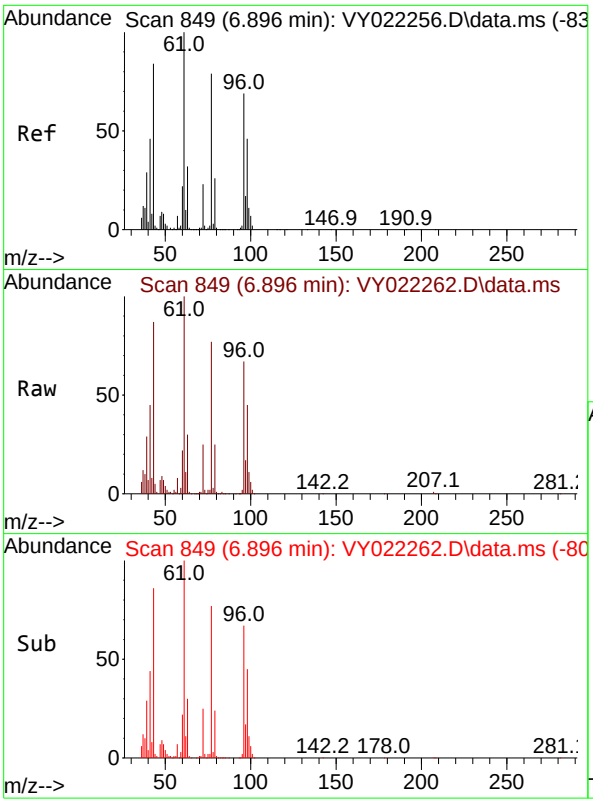


#24
1,1-Dichloroethane
Concen: 20.749 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 63 Resp: 110449

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.5	10.5
100	4.3	2.4	7.2

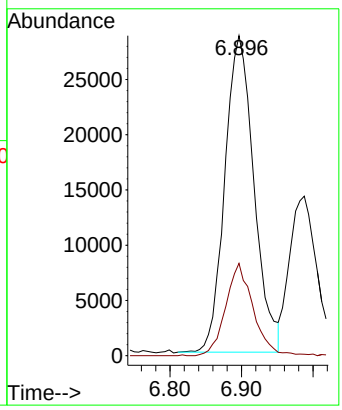




#25
2-Butanone
Concen: 98.430 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 8116

Ion	Ratio	Lower	Upper
43	100		
72	29.1	22.1	33.1



Instrument :
MSVOA_Y
ClientSampleId :
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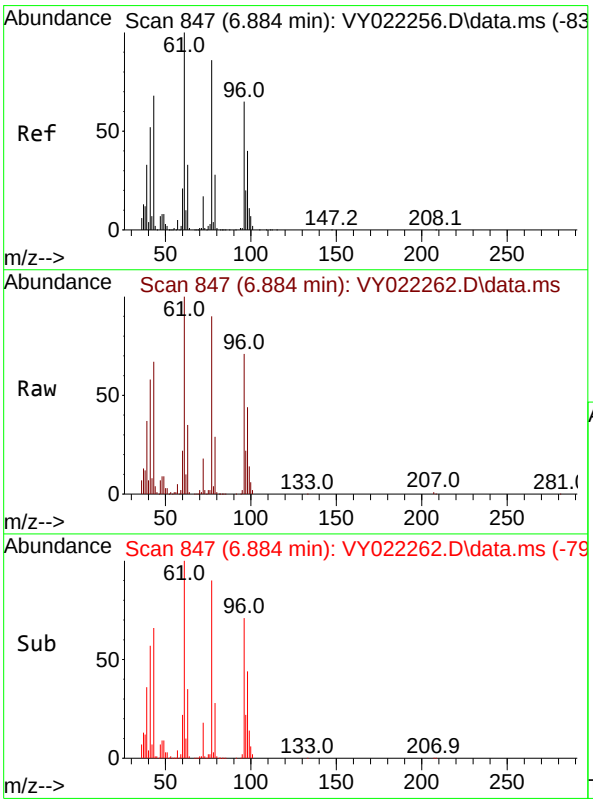
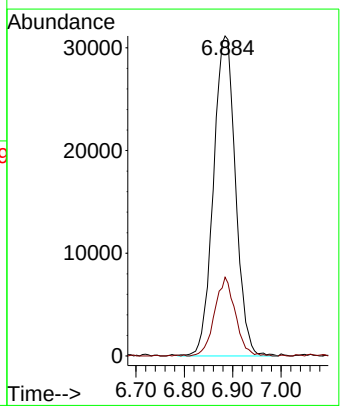
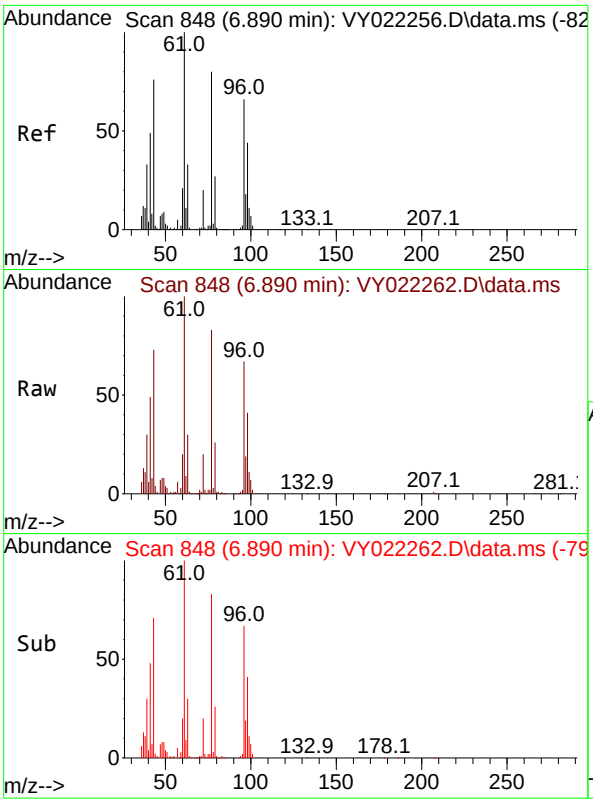


#26
2,2-Dichloropropane
Concen: 20.897 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 77 Resp: 98935

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 20.875 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 96 Resp: 6841

Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	302.6
98	65.3	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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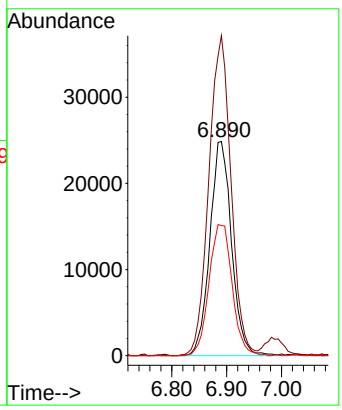
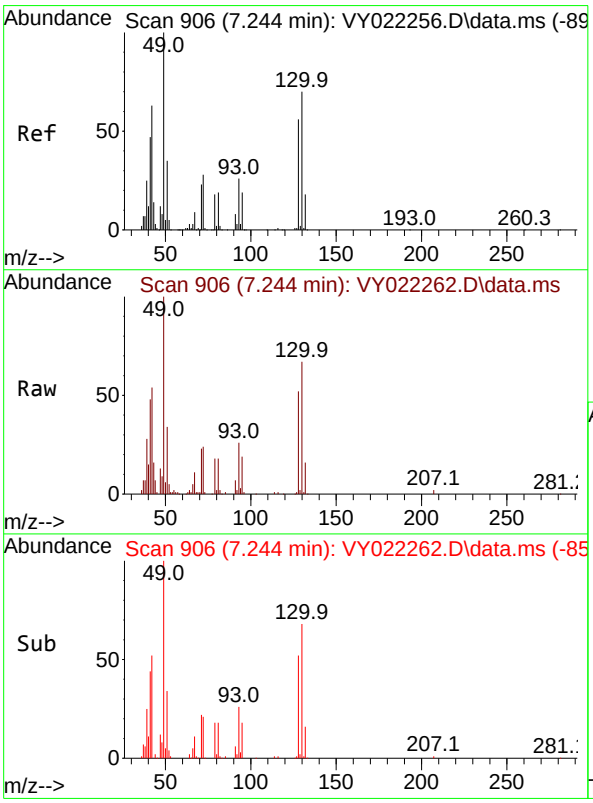
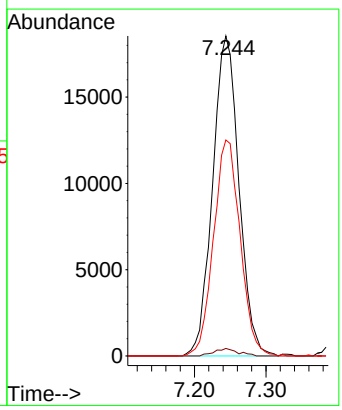


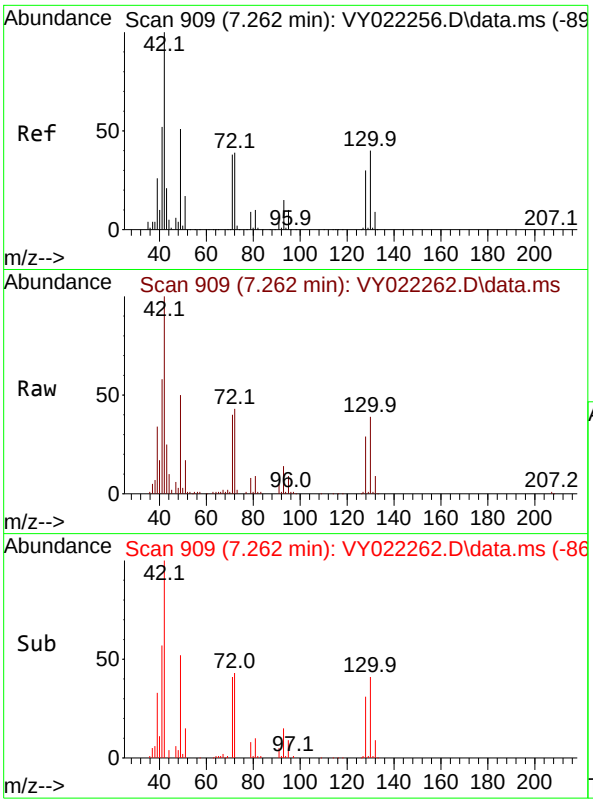


#28
Bromochloromethane
Concen: 20.868 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 49 Resp: 47380

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	68.3	54.7	82.1

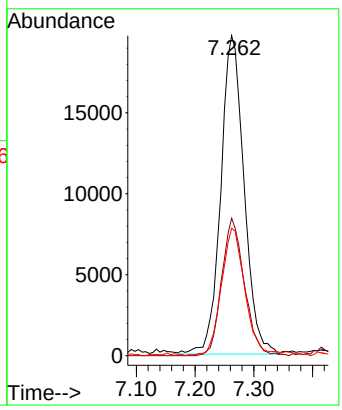




#29
Tetrahydrofuran
Concen: 102.386 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 42 Resp: 5431

Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.8	50.6
71	40.5	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
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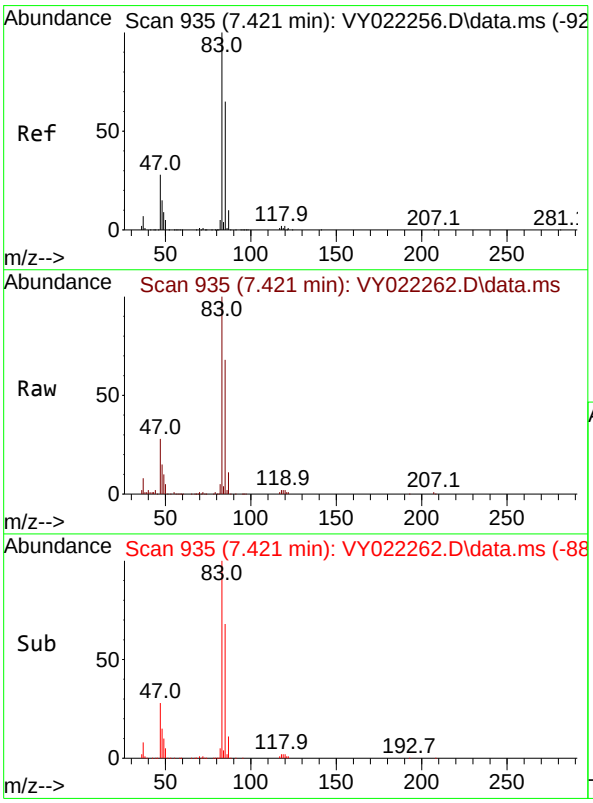
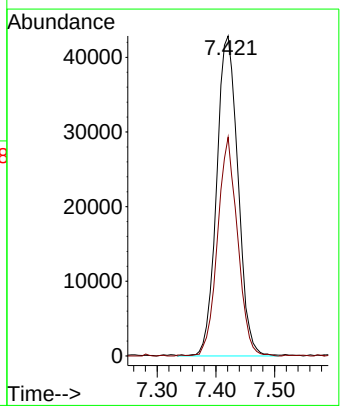
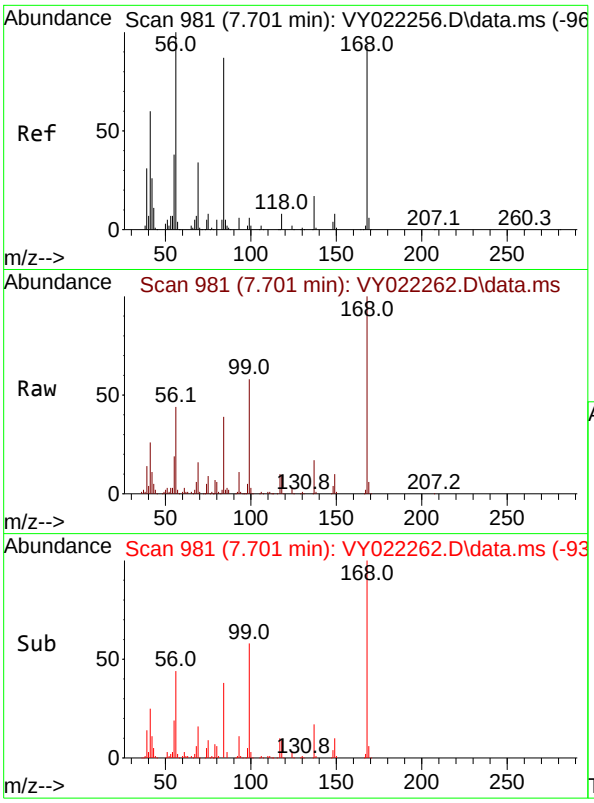


#30
Chloroform
Concen: 21.169 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 83 Resp: 108086

Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.8	77.8





#31
Cyclohexane
Concen: 21.025 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 56 Resp: 11181

Ion	Ratio	Lower	Upper
56	100		
69	35.0	27.4	41.2
84	86.7	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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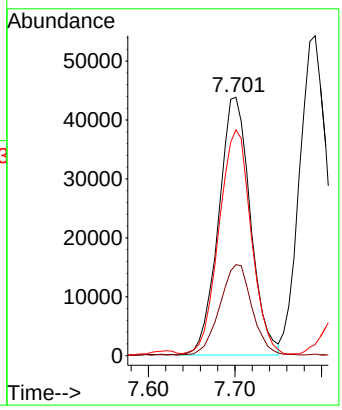
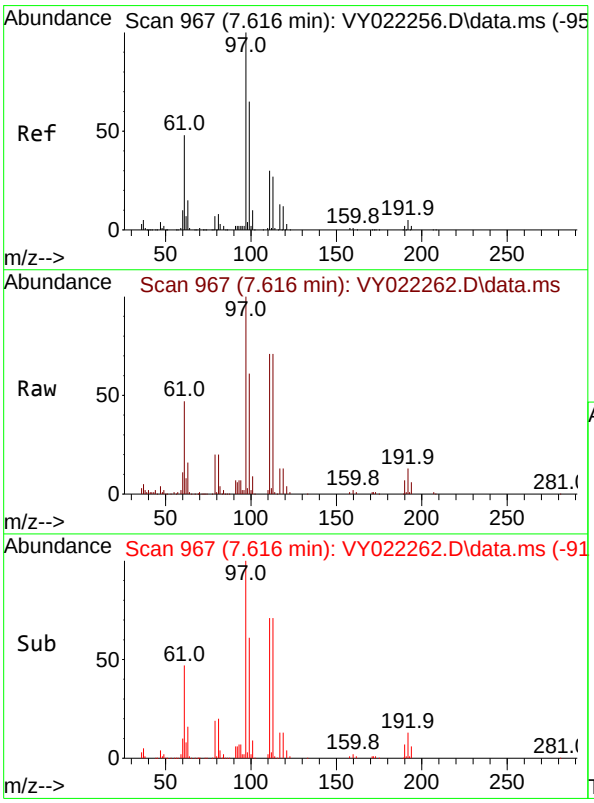
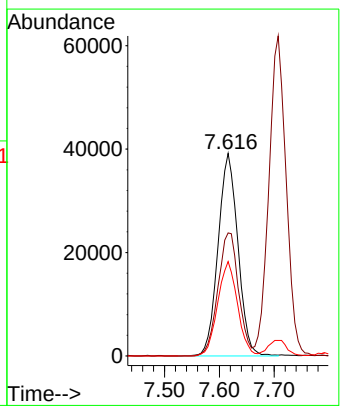


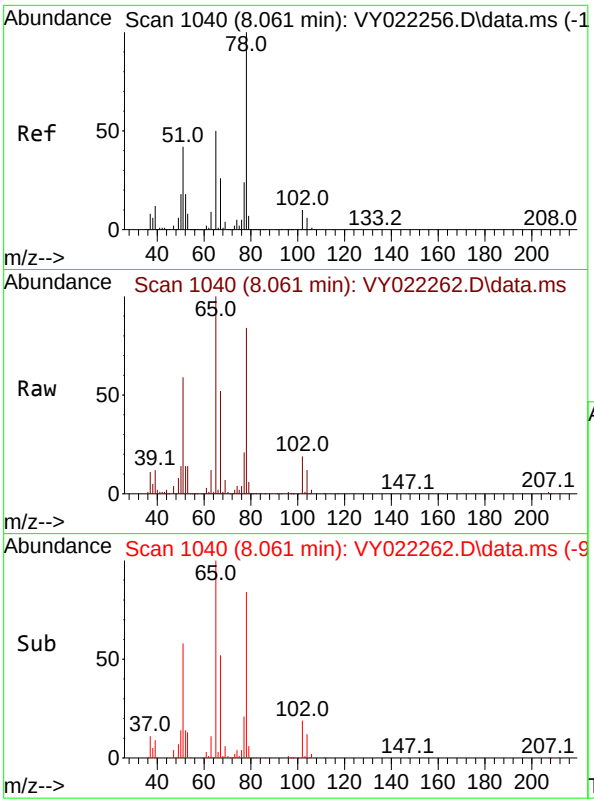


#32
1,1,1-Trichloroethane
Concen: 21.056 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 97 Resp: 98630

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.0
61	46.6	38.1	57.1

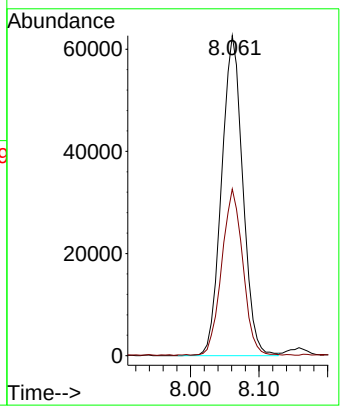




#33
1,2-Dichloroethane-d4
Concen: 51.178 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 65 Resp: 13454

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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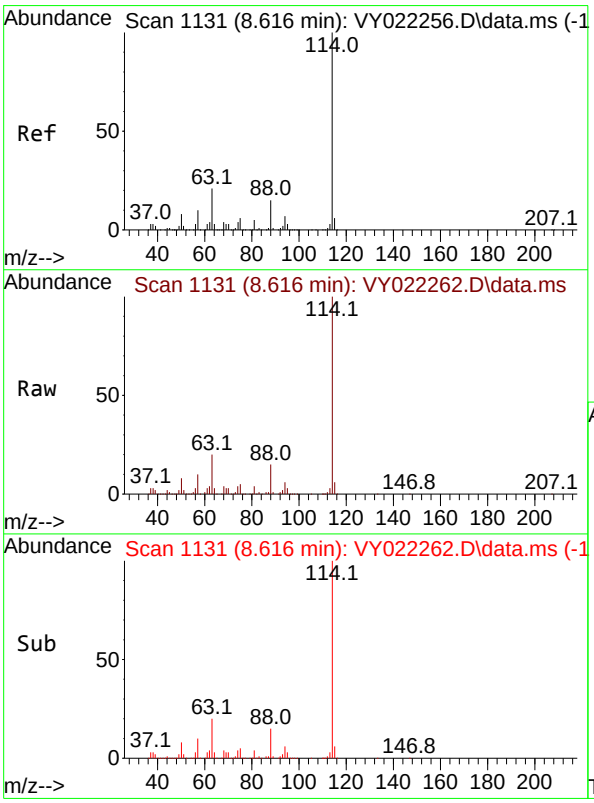
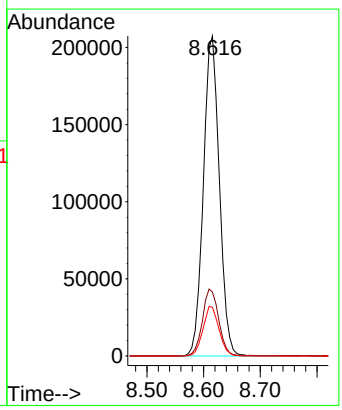
Supervised By :Semsettin Yesilyurt 05/16/2025

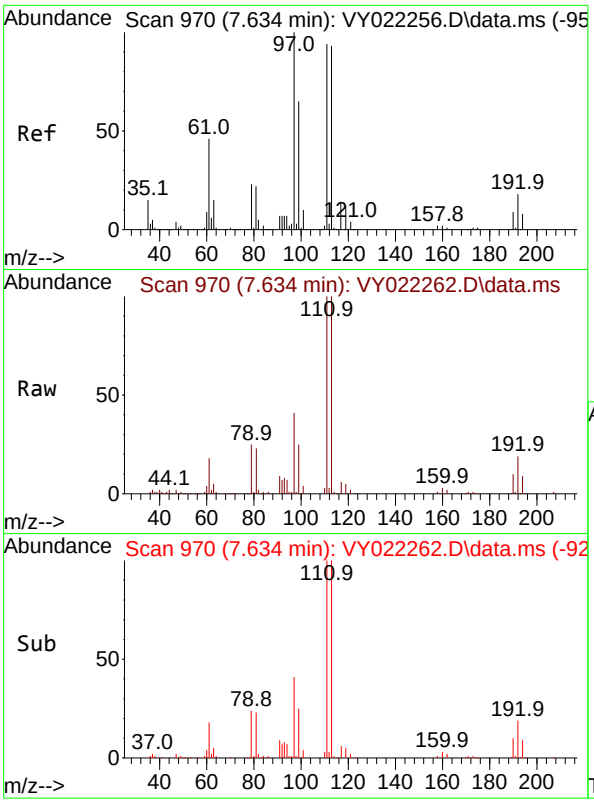


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:114 Resp: 405751

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.0
88	15.2	0.0	29.4

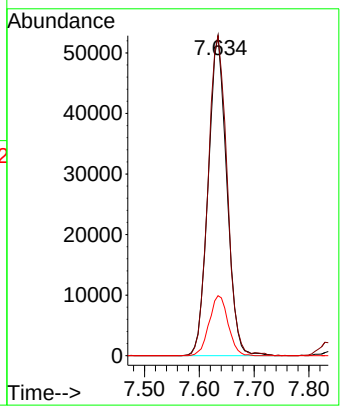




#35
Dibromofluoromethane
Concen: 51.140 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:113 Resp: 12384

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	19.1	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
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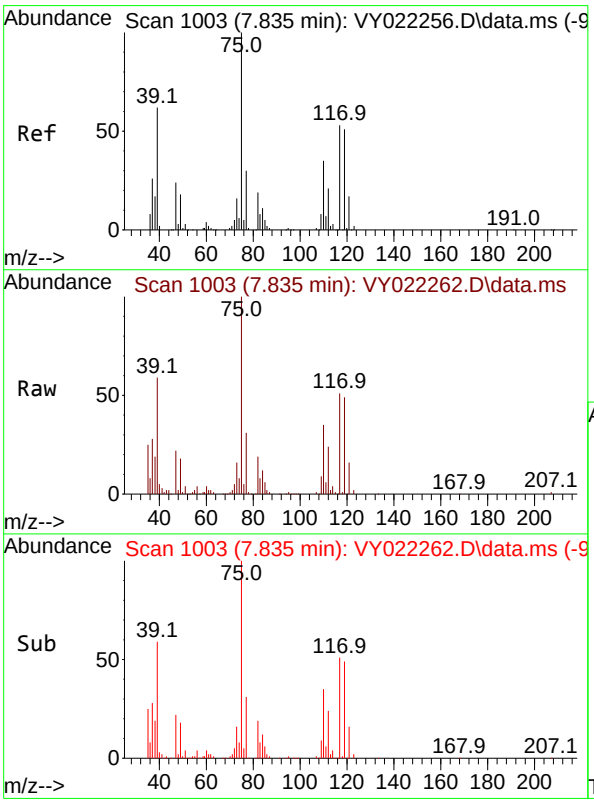
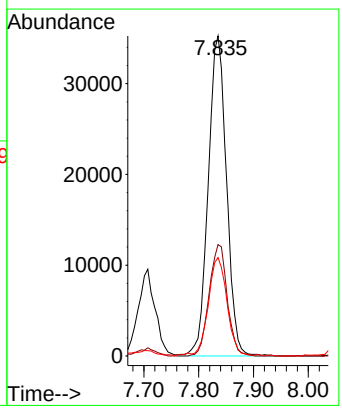
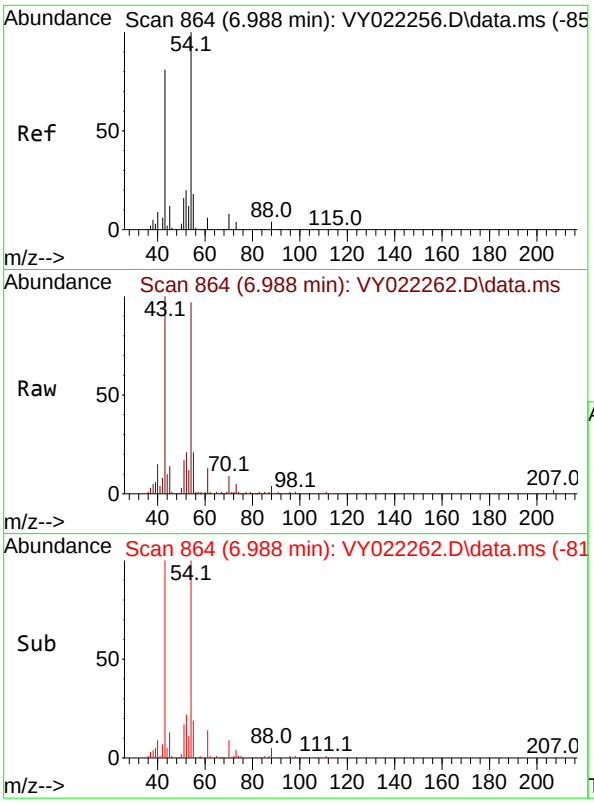


#36
1,1-Dichloropropene
Concen: 20.427 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 81482

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.6	49.8
77	30.9	24.6	37.0





#37
Ethyl Acetate
Concen: 20.039 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 3846

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	10.3	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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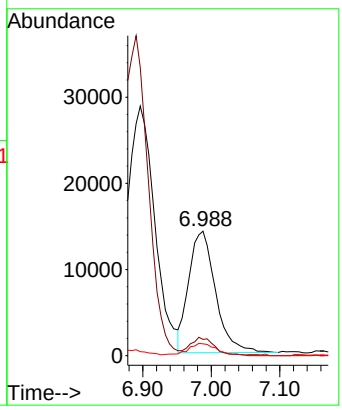
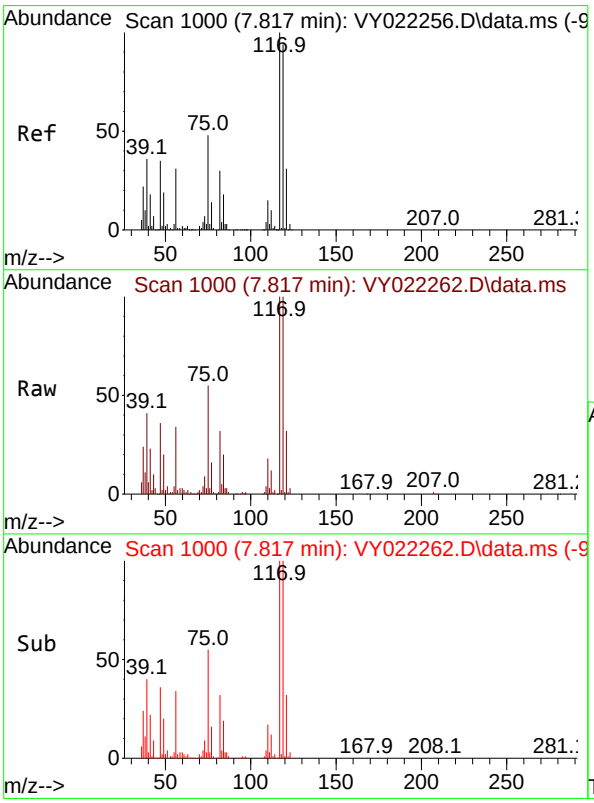
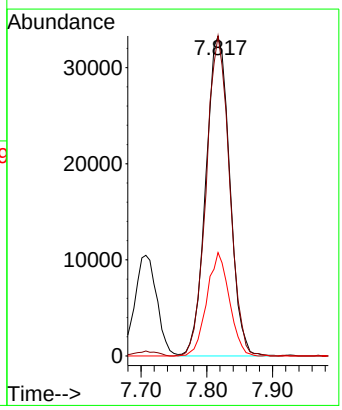


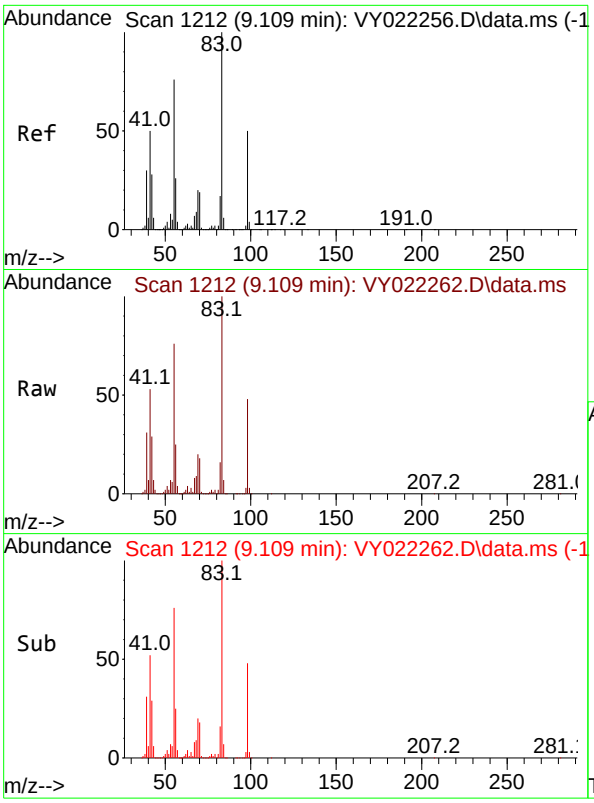


#38
Carbon Tetrachloride
Concen: 20.354 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:117 Resp: 84041

Ion	Ratio	Lower	Upper
117	100		
119	100.1	75.3	112.9
121	32.3	24.7	37.1

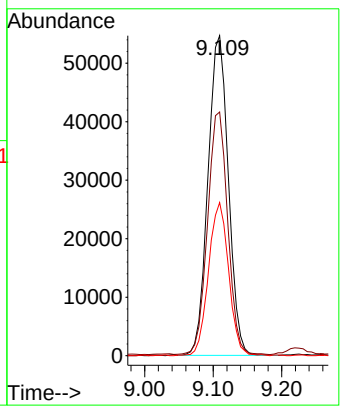




#39
Methylcyclohexane
Concen: 21.067 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 83 Resp: 11290

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.6	90.8
98	47.7	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
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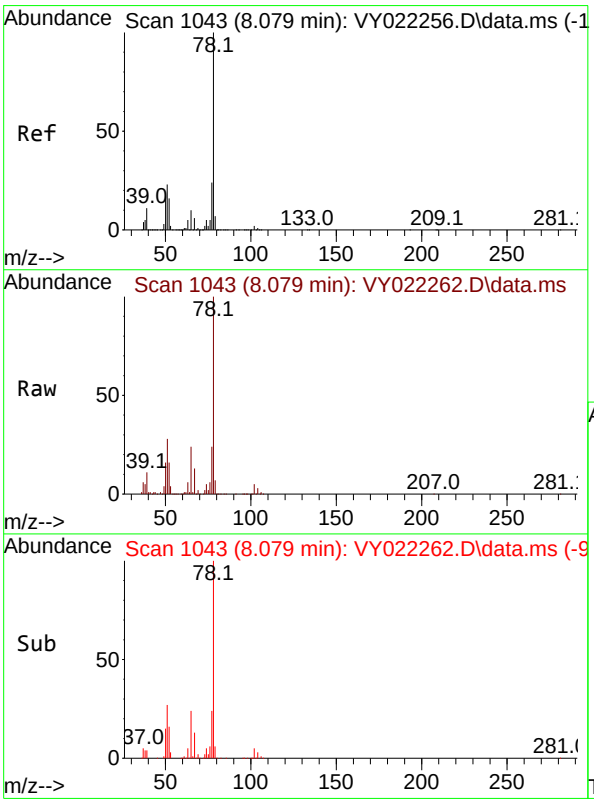
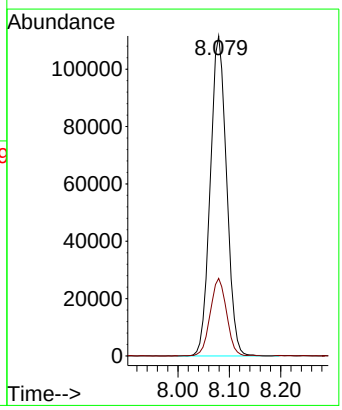
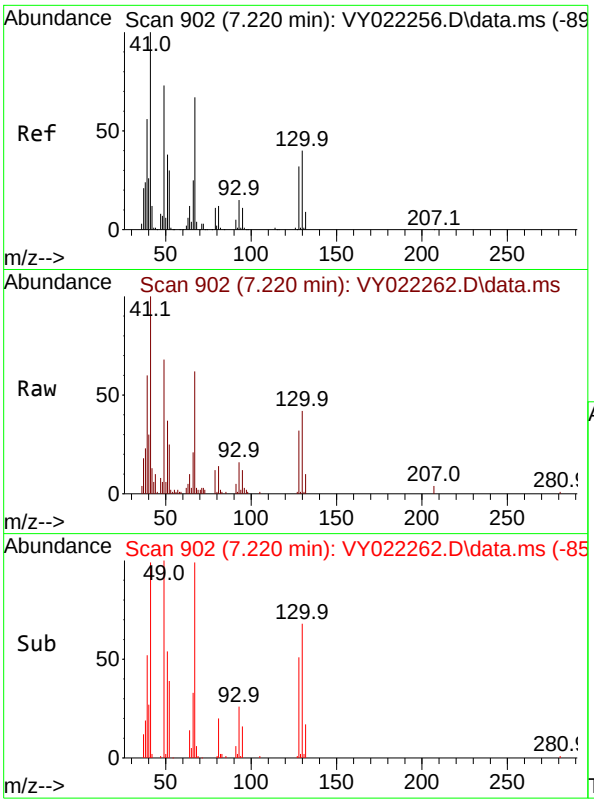


#40
Benzene
Concen: 20.784 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 78 Resp: 245775

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3

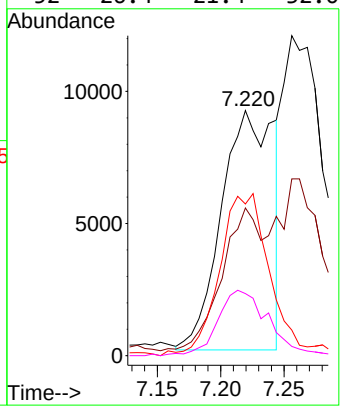




#41
Methacrylonitrile
Concen: 20.468 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 41 Resp: 2605

Ion	Ratio	Lower	Upper
41	100		
39	43.2	39.1	58.7
67	65.4	47.1	70.7
52	26.4	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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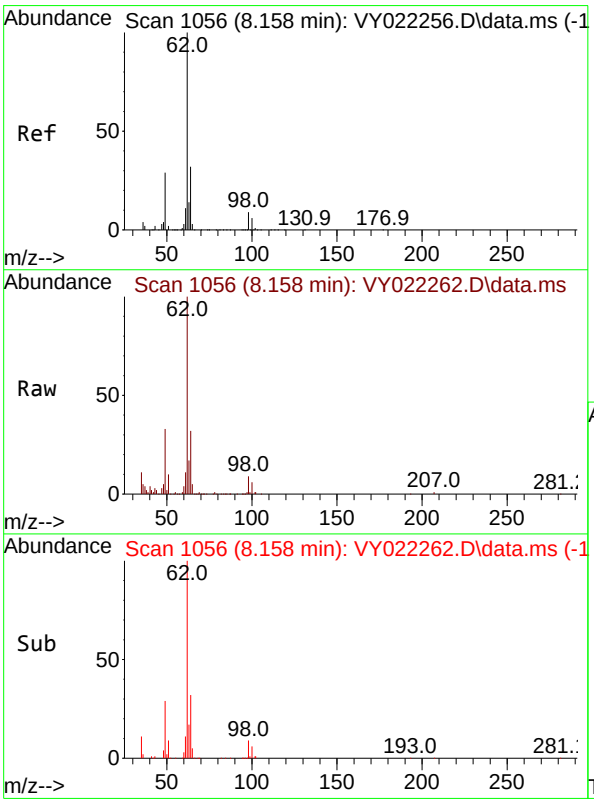
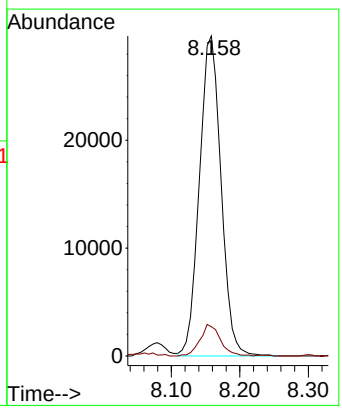
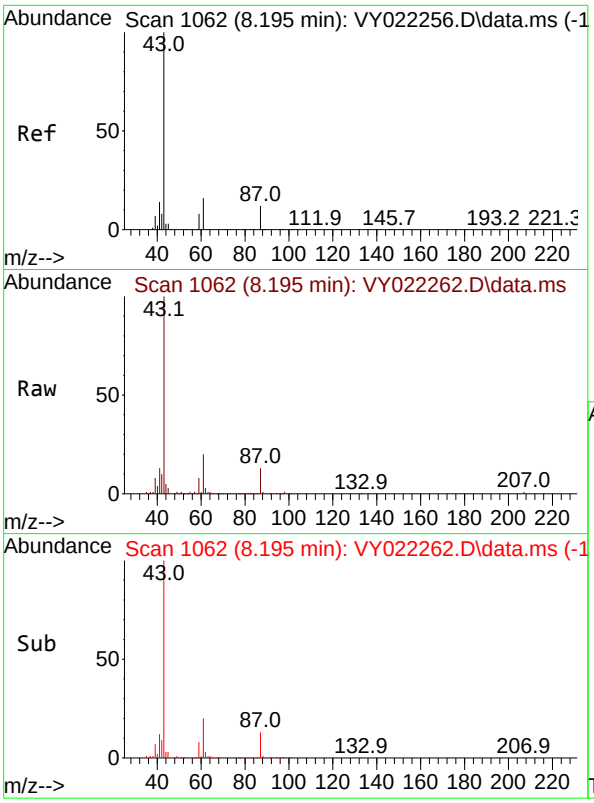


#42
1,2-Dichloroethane
Concen: 20.399 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 62 Resp: 65234

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4

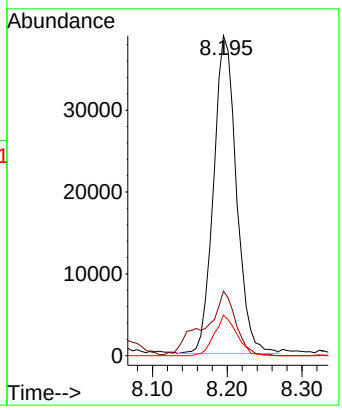




#43
Isopropyl Acetate
Concen: 19.763 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 8272

Ion	Ratio	Lower	Upper
43	100		
61	27.7	15.1	22.7#
87	12.4	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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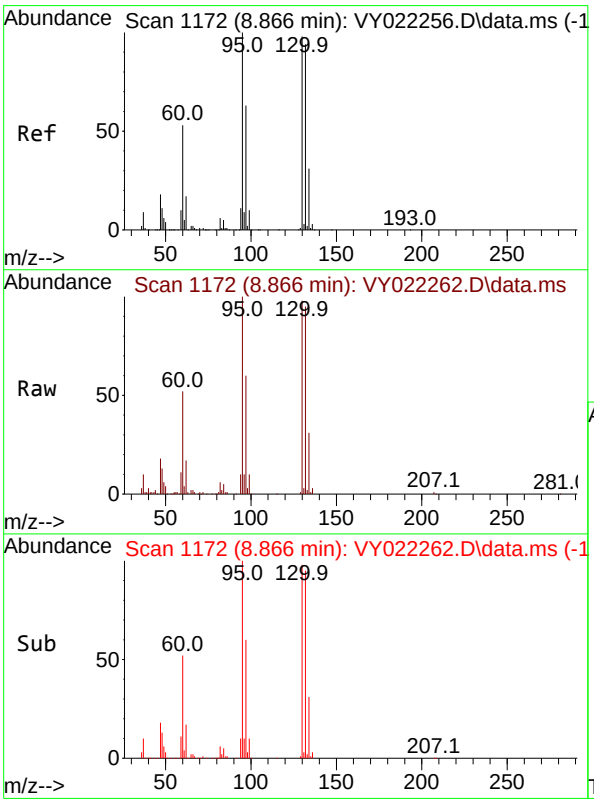
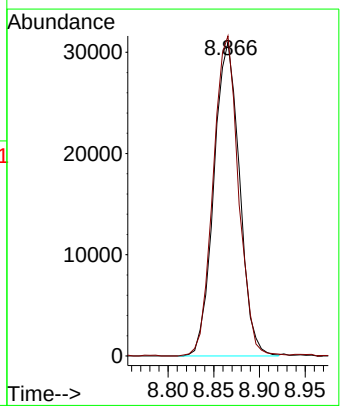
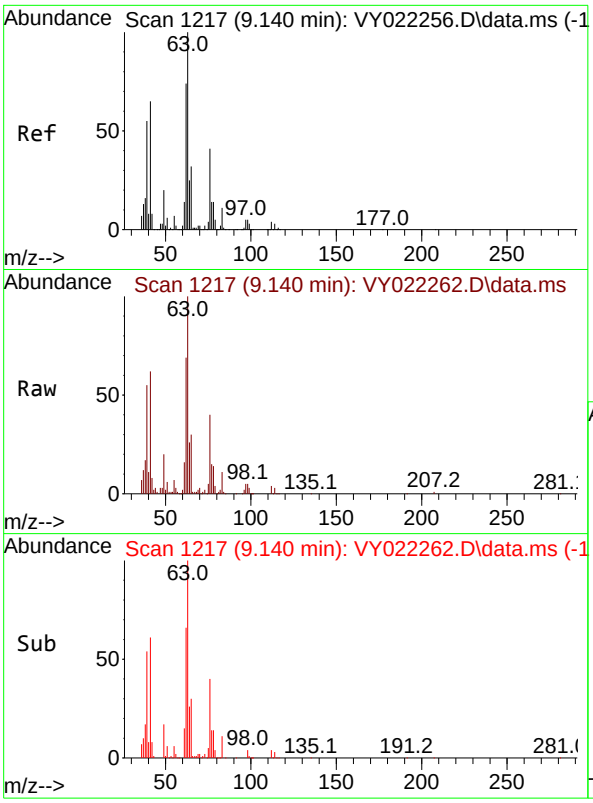


#44
Trichloroethene
Concen: 20.593 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:130 Resp: 60548

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	204.8

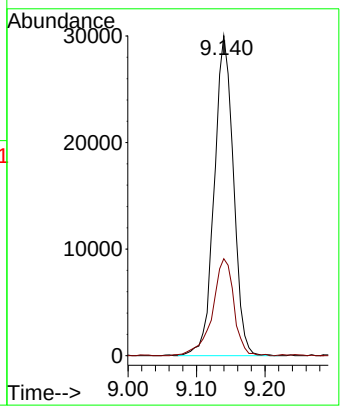




#45
1,2-Dichloropropane
Concen: 20.416 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 63 Resp: 5820

Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.7	38.5



Instrument :
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ClientSampleId :
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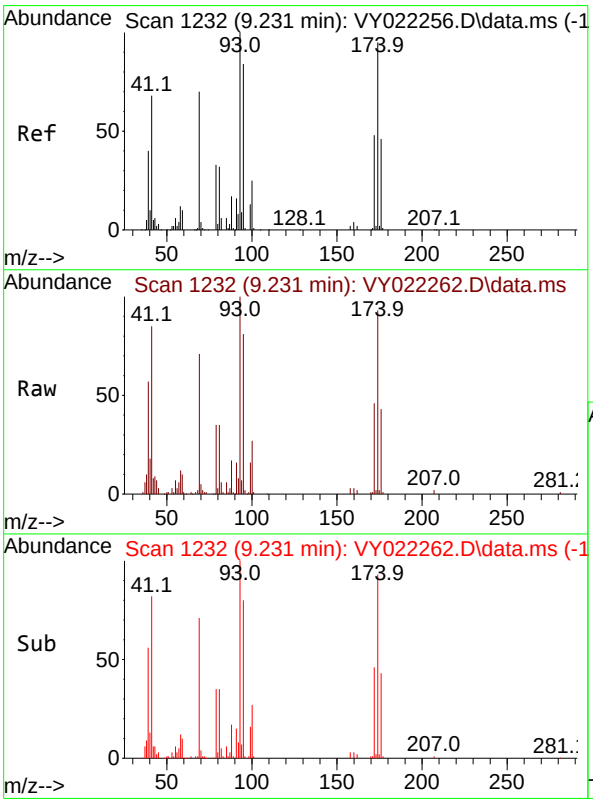
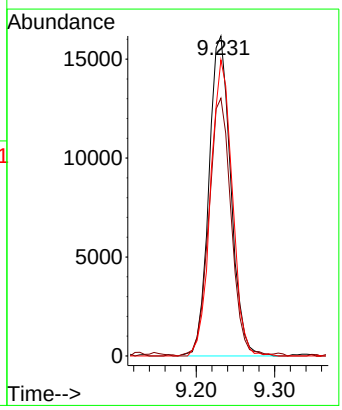
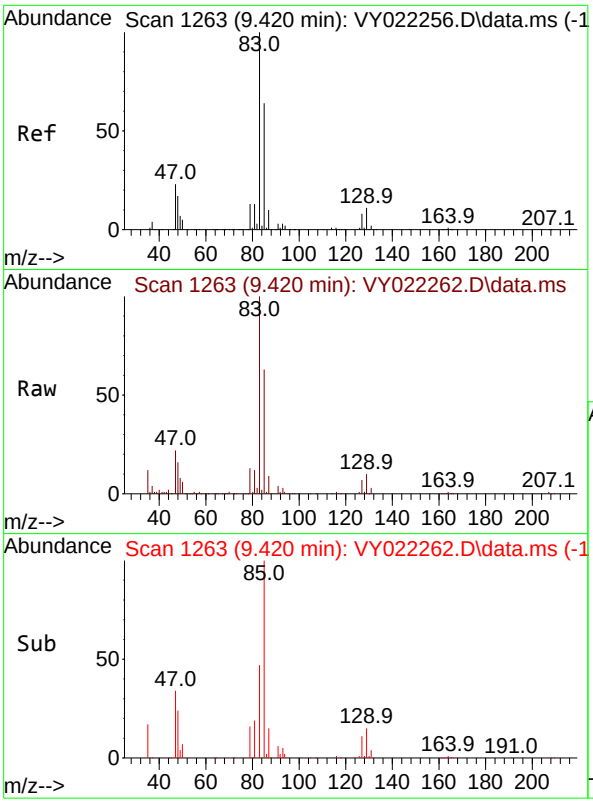


#46
Dibromomethane
Concen: 20.353 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 93 Resp: 31296

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.2	97.8
174	91.8	74.3	111.5

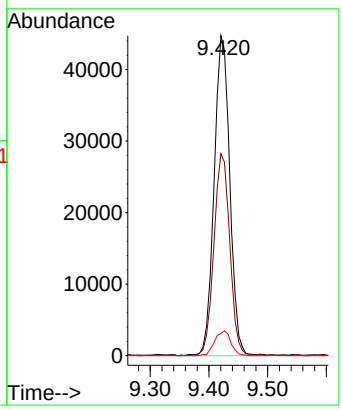




#47
Bromodichloromethane
Concen: 20.823 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 83 Resp: 8306

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	6.9	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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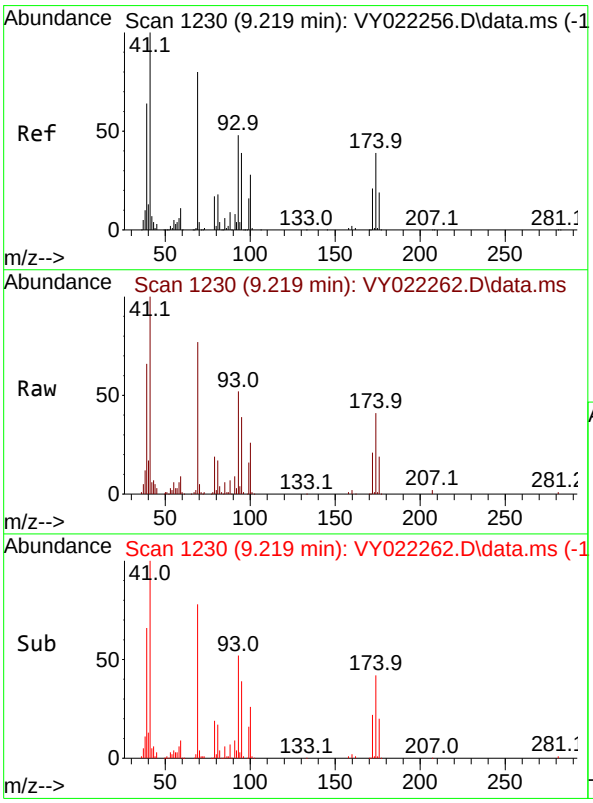
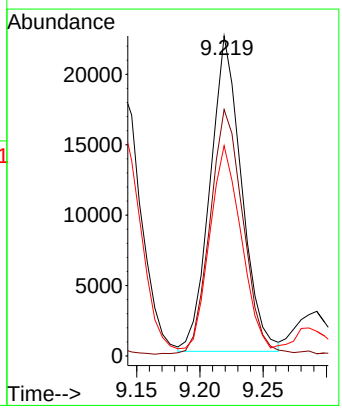
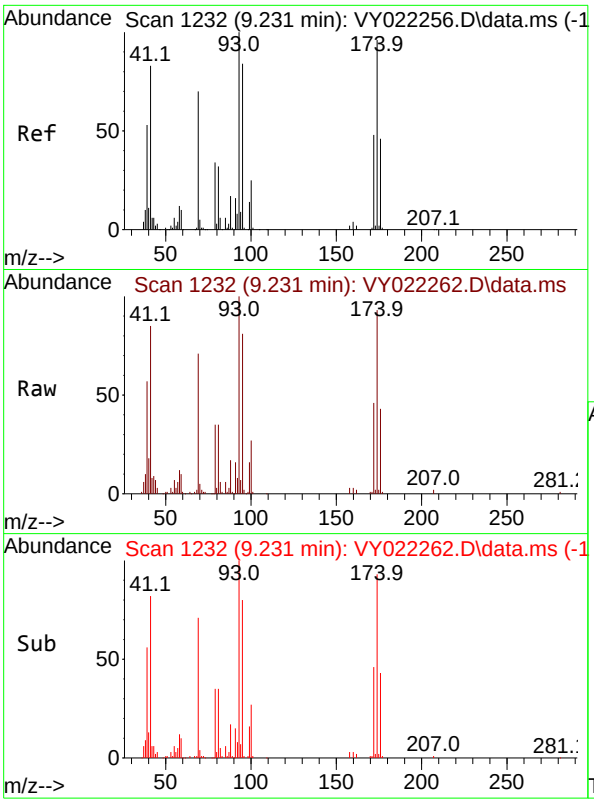


#48
Methyl methacrylate
Concen: 19.803 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 41 Resp: 38763

Ion	Ratio	Lower	Upper
41	100		
69	81.9	63.5	95.3
39	64.6	50.8	76.2

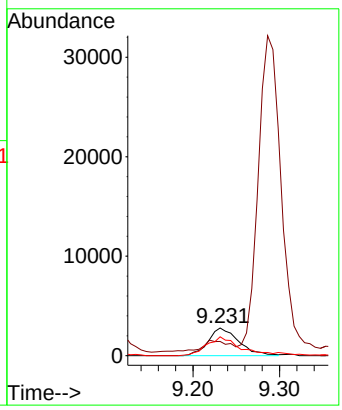




#49
1,4-Dioxane
Concen: 392.199 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 88 Resp: 681

Ion	Ratio	Lower	Upper
88	100		
43	41.9	28.5	42.7
58	72.9	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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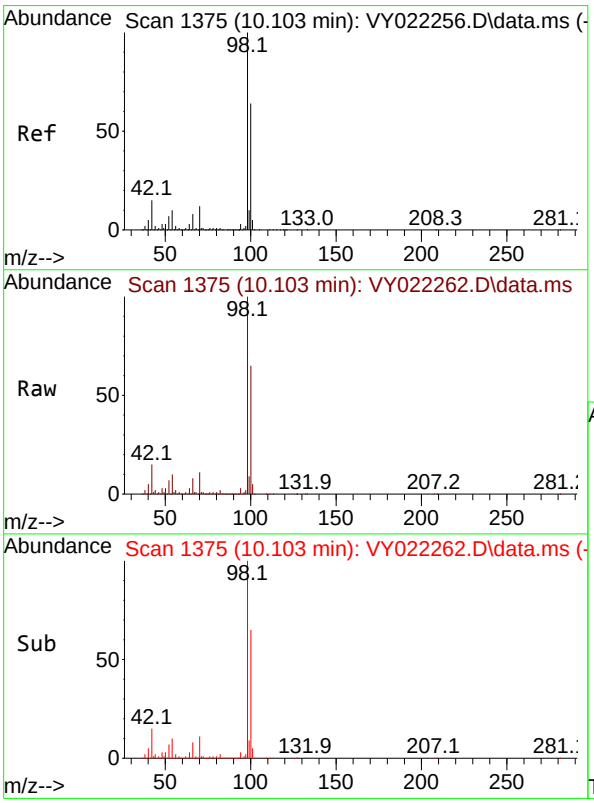
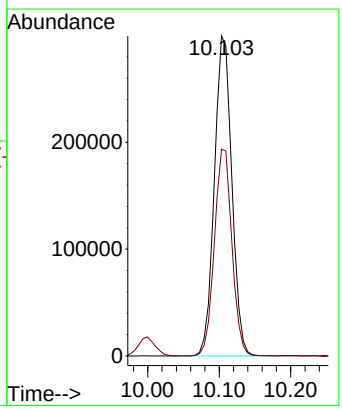
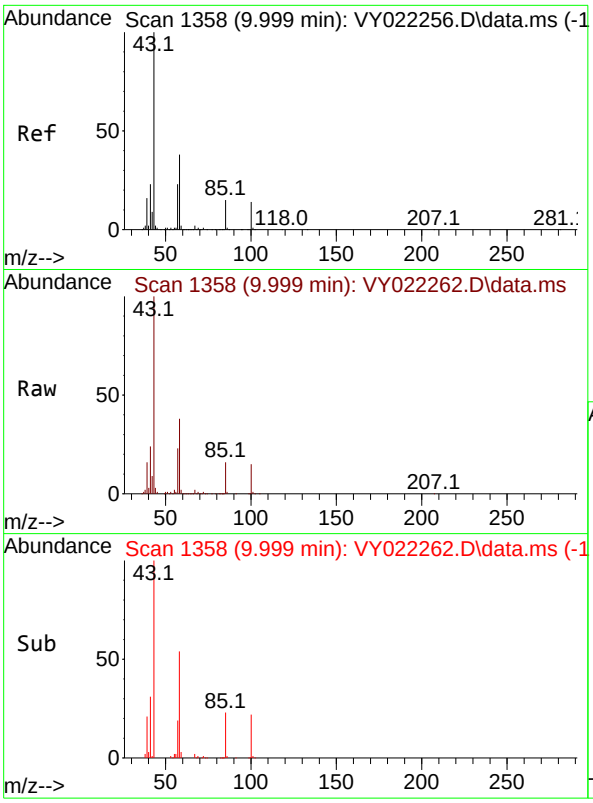


#50
Toluene-d8
Concen: 51.282 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 98 Resp: 508643

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8

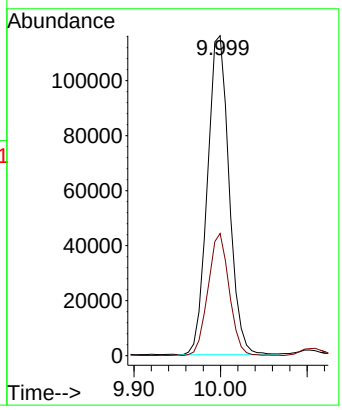




#51
4-Methyl-2-Pentanone
Concen: 98.097 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 20147

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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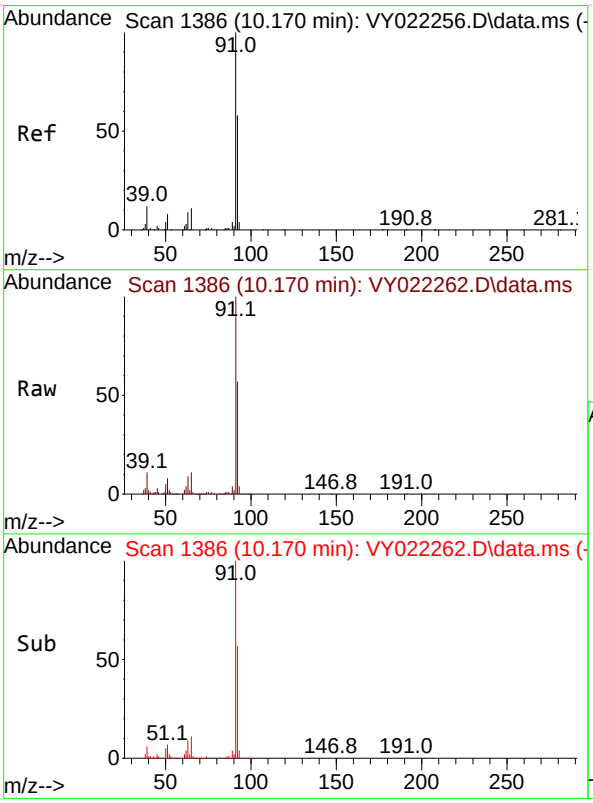
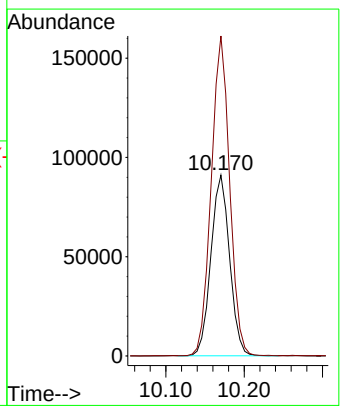
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

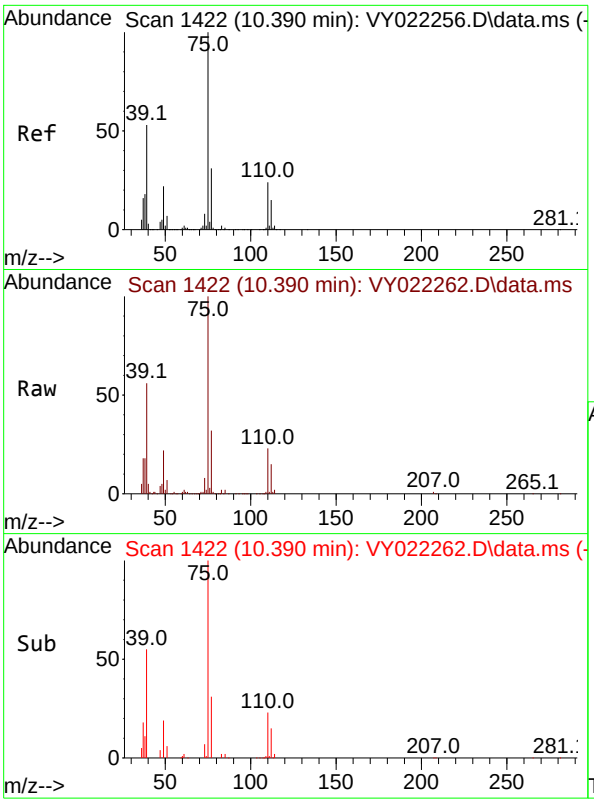


#52
Toluene
Concen: 20.135 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 92 Resp: 150777

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.1	208.7

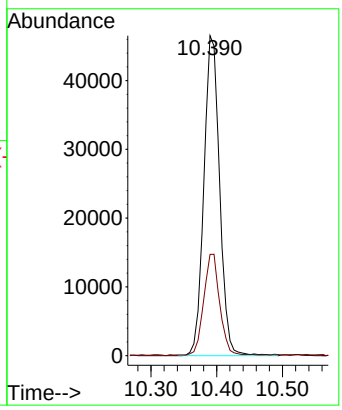




#53
t-1,3-Dichloropropene
Concen: 19.893 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 7744

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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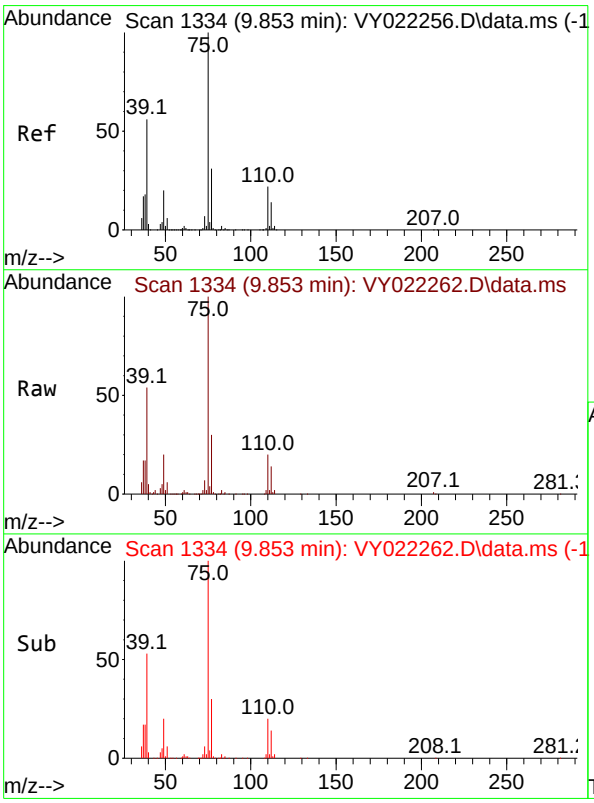
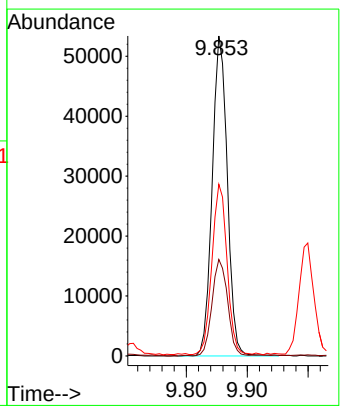
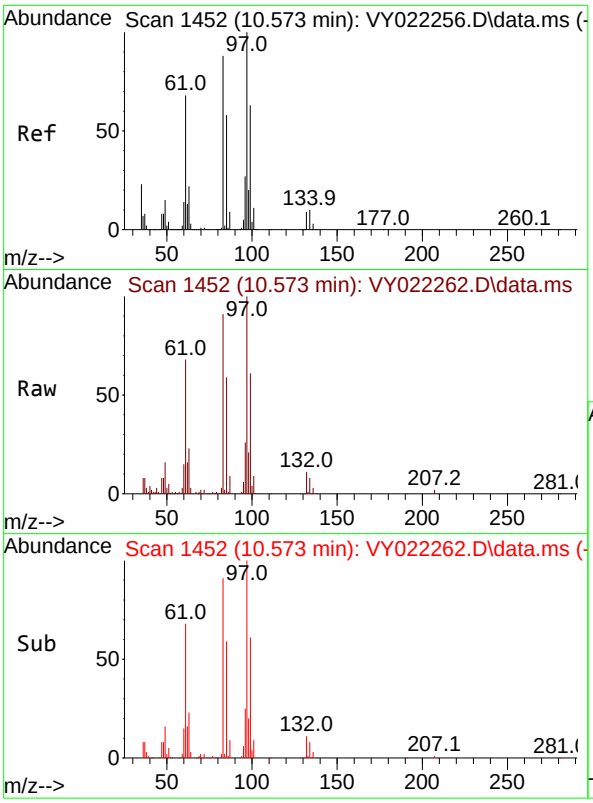


#54
cis-1,3-Dichloropropene
Concen: 20.623 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 91983

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7
39	53.0	44.5	66.7

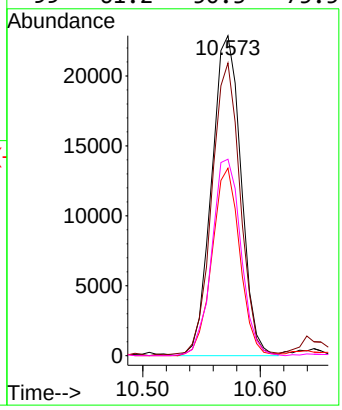




#55
1,1,2-Trichloroethane
Concen: 20.190 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 97 Resp: 3975

Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.3	105.5
85	58.6	46.2	69.4
99	61.2	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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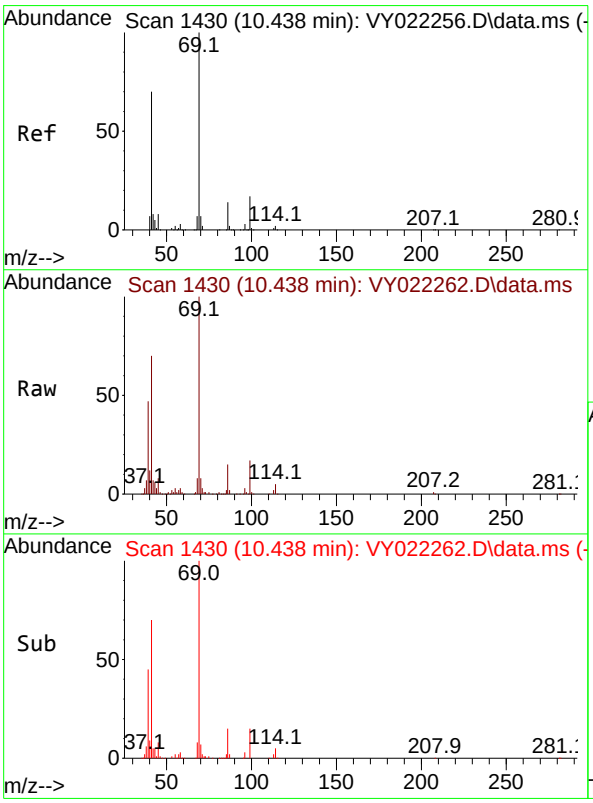
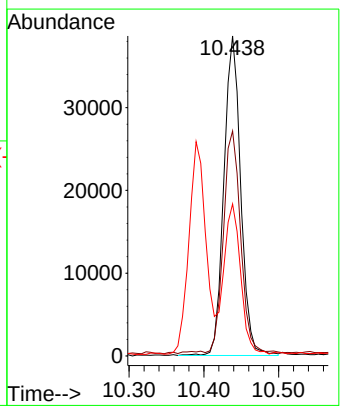
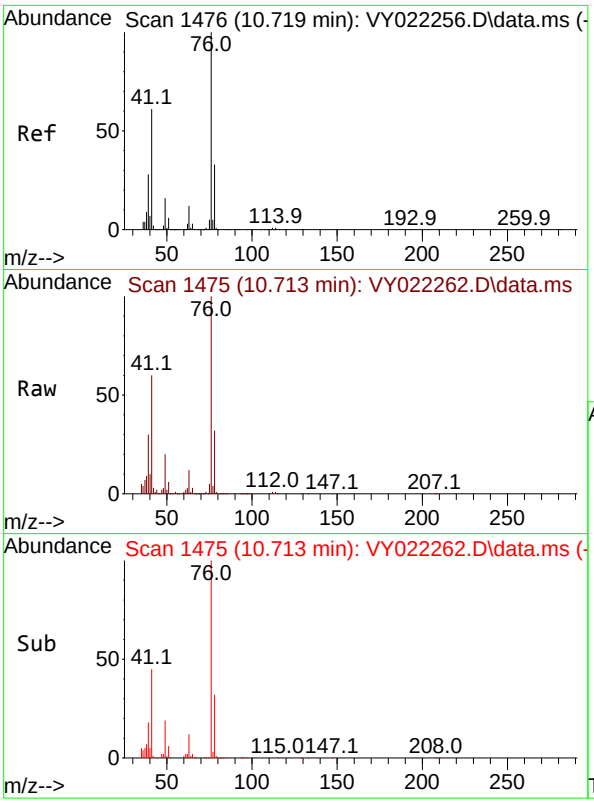


#56
Ethyl methacrylate
Concen: 19.707 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 69 Resp: 60445

Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.5	84.7
39	47.1	37.1	55.7





#57
1,3-Dichloropropane
Concen: 20.284 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 76 Resp: 7096

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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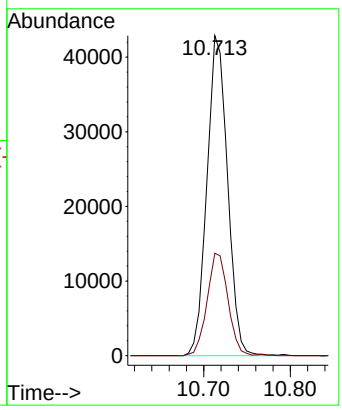
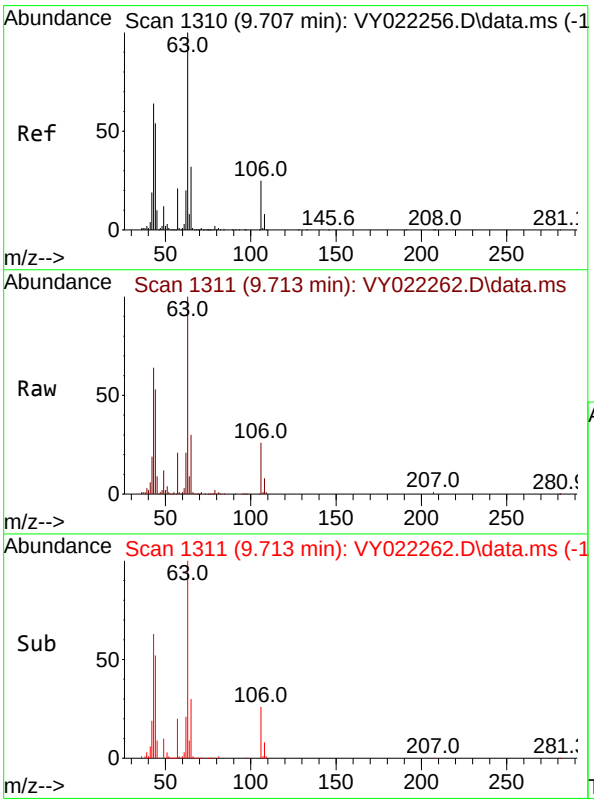
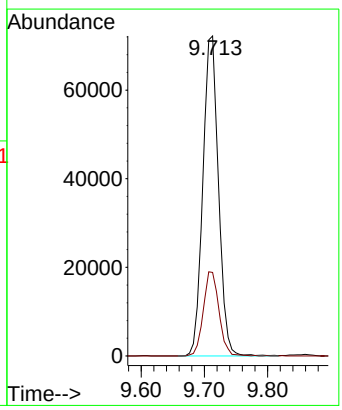


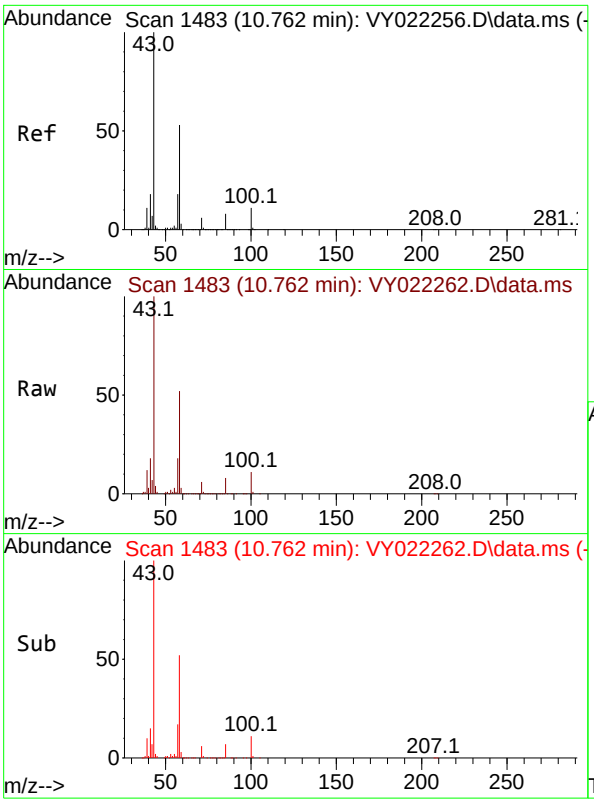


#58
2-Chloroethyl Vinyl ether
Concen: 90.134 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 63 Resp: 124088

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.4





#59
2-Hexanone
Concen: 96.437 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 13279

Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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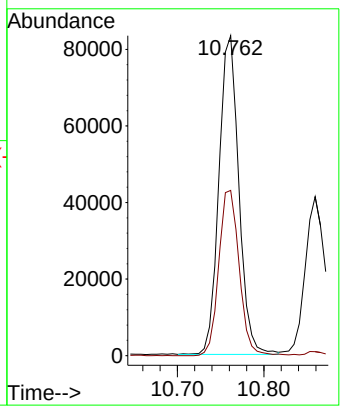
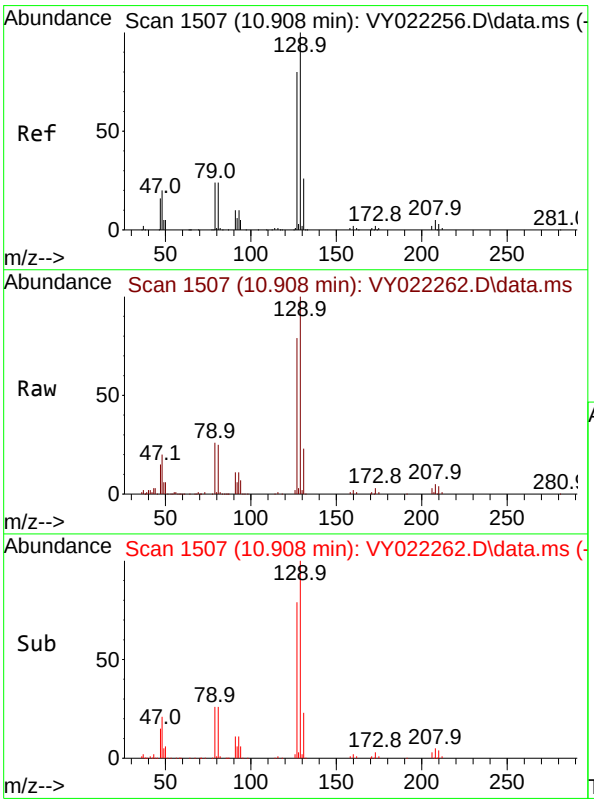
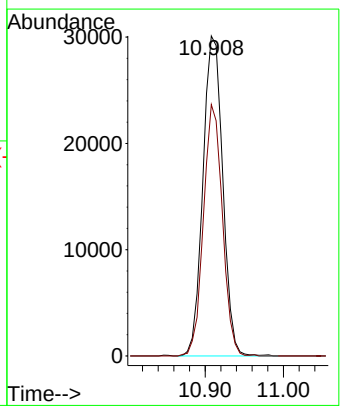


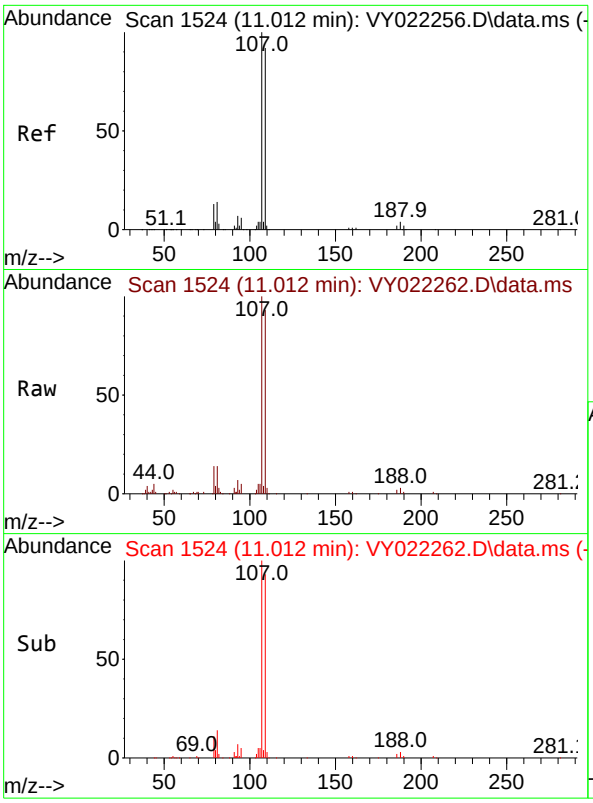


#60
Dibromochloromethane
Concen: 20.662 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:129 Resp: 52808

Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.6	115.7

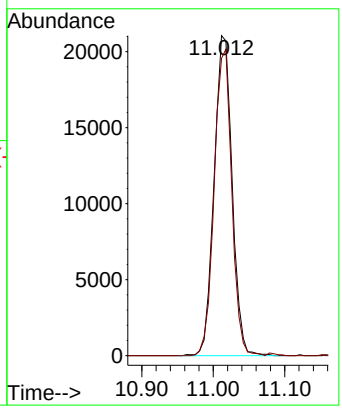




#61
1,2-Dibromoethane
Concen: 20.089 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:107 Resp: 3686

Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
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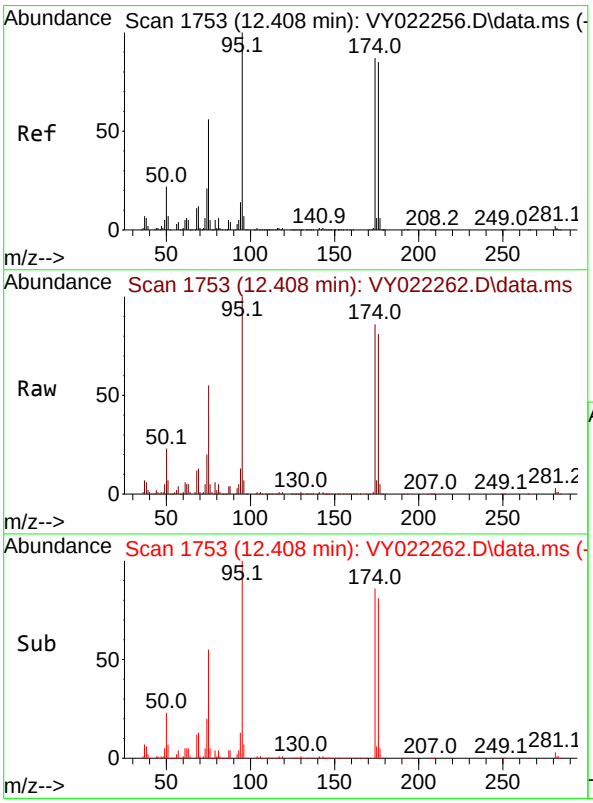
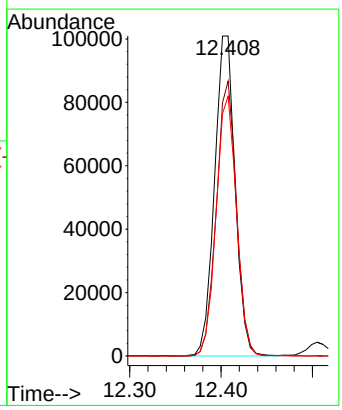
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

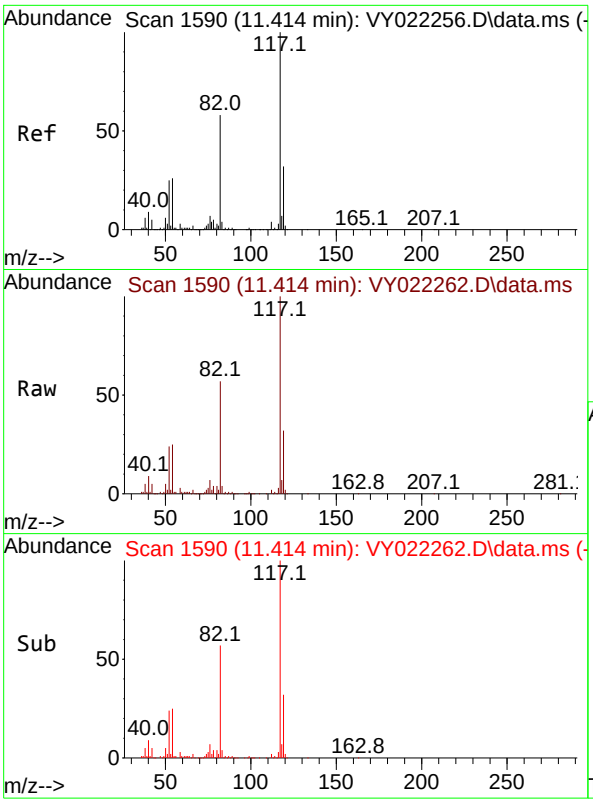


#62
4-Bromofluorobenzene
Concen: 50.222 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 95 Resp: 157889

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	166.8
176	80.6	0.0	160.8

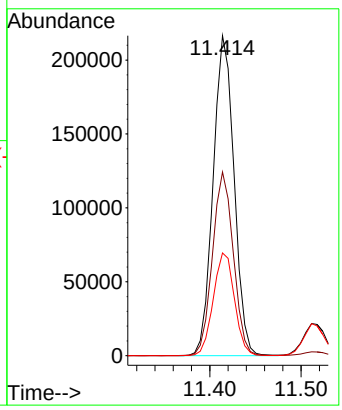




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:117 Resp: 34487

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.6	70.0
119	32.1	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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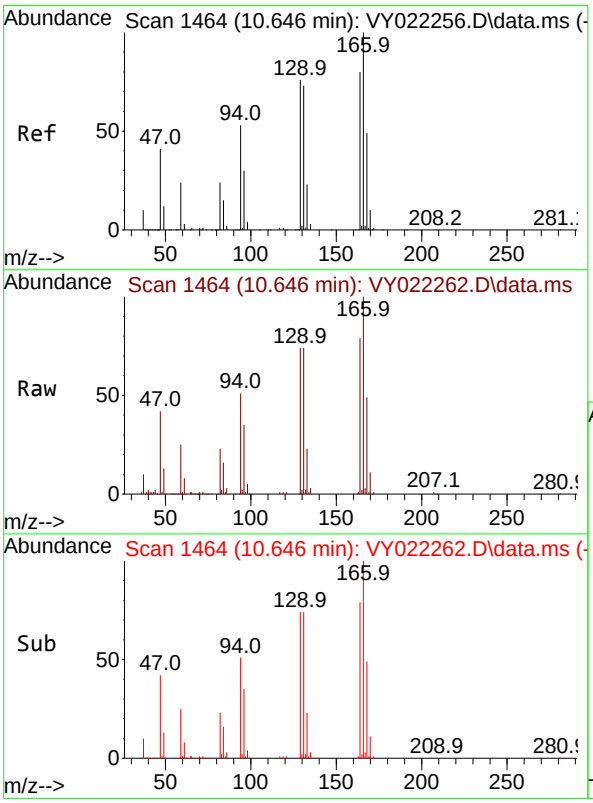
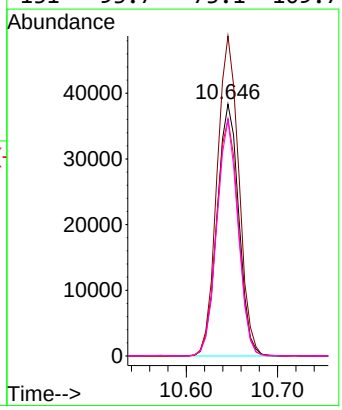
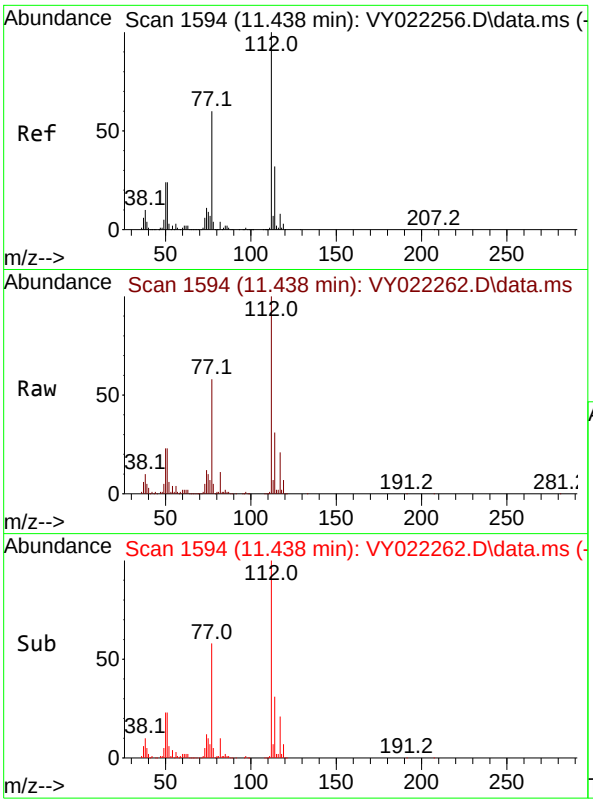


#64
Tetrachloroethene
Concen: 19.886 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:164 Resp: 63391

Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.4	150.6
129	94.1	76.4	114.6
131	93.7	73.1	109.7

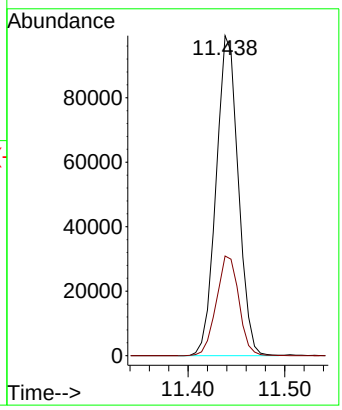




#65
Chlorobenzene
Concen: 20.297 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:112 Resp: 15792

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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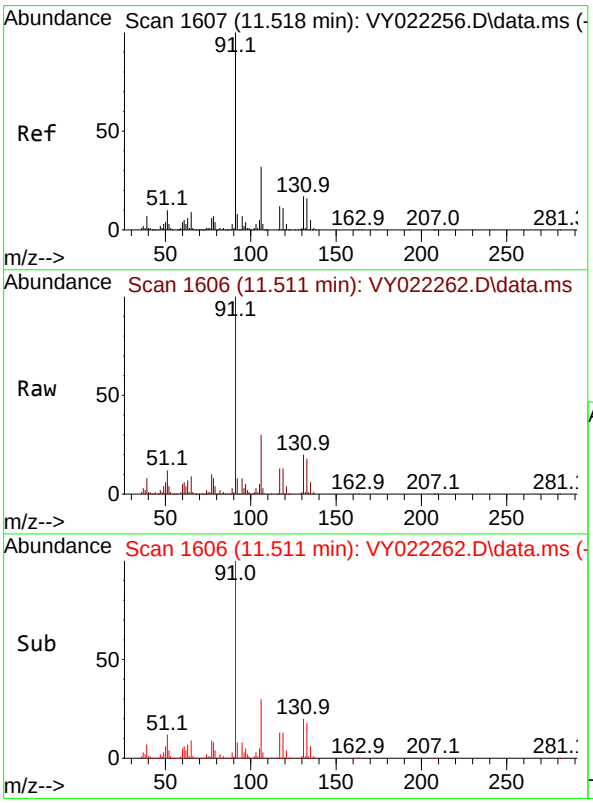
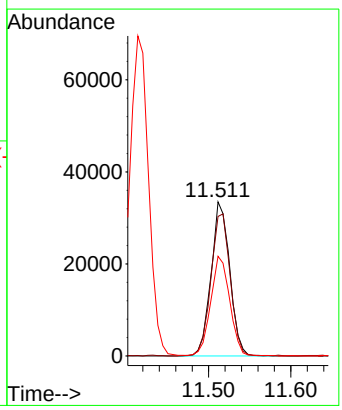
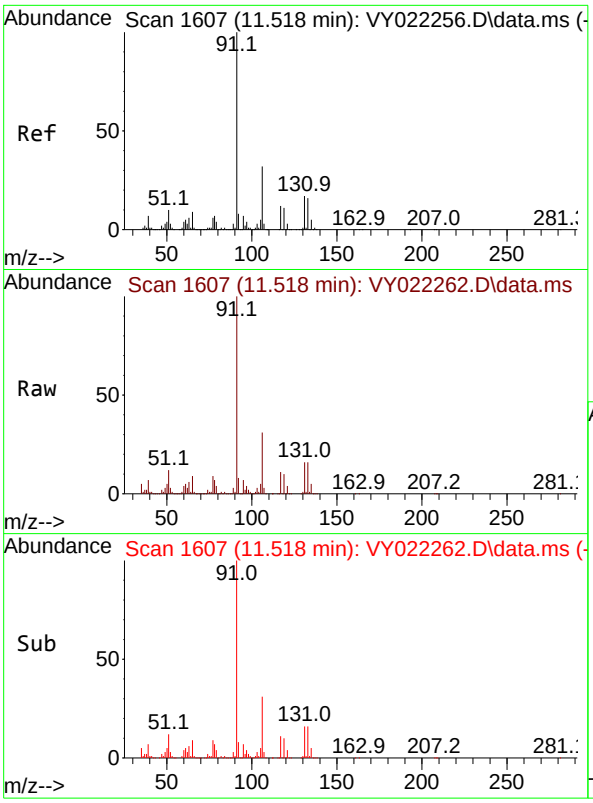


#66
1,1,1,2-Tetrachloroethane
Concen: 19.721 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:131 Resp: 52751

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.9
119	66.3	33.1	99.2

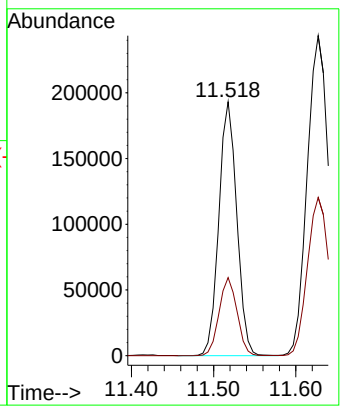




#67
Ethyl Benzene
Concen: 20.095 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 91 Resp: 29281

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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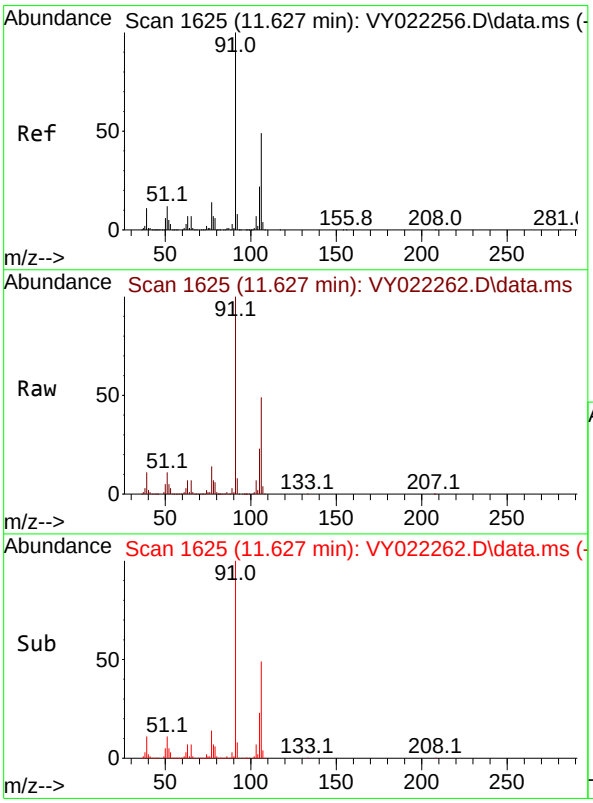
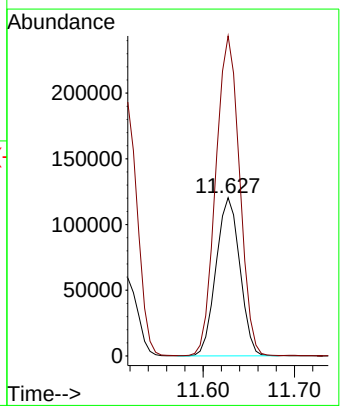
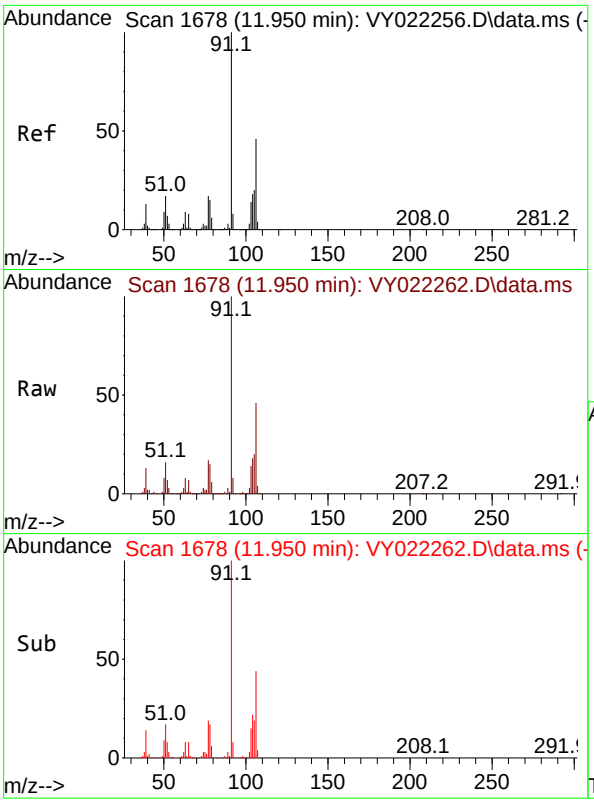


#68
m/p-Xylenes
Concen: 39.750 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:106 Resp: 218261

Ion	Ratio	Lower	Upper
106	100		
91	202.3	163.0	244.4

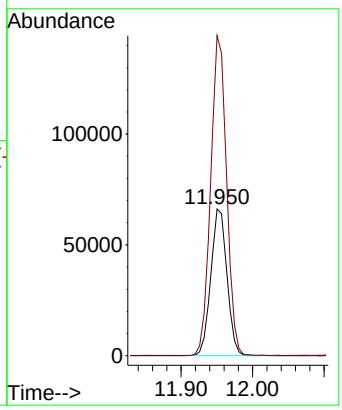




#69
o-Xylene
Concen: 19.946 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:106 Resp: 10362

Ion	Ratio	Lower	Upper
106	100		
91	214.9	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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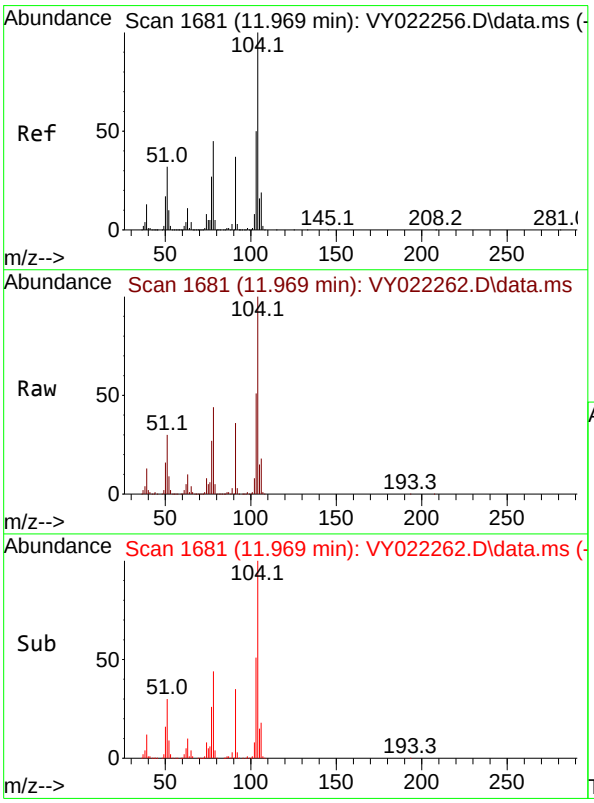
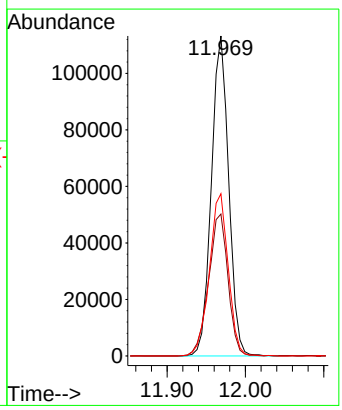
Supervised By :Semsettin Yesilyurt 05/16/2025

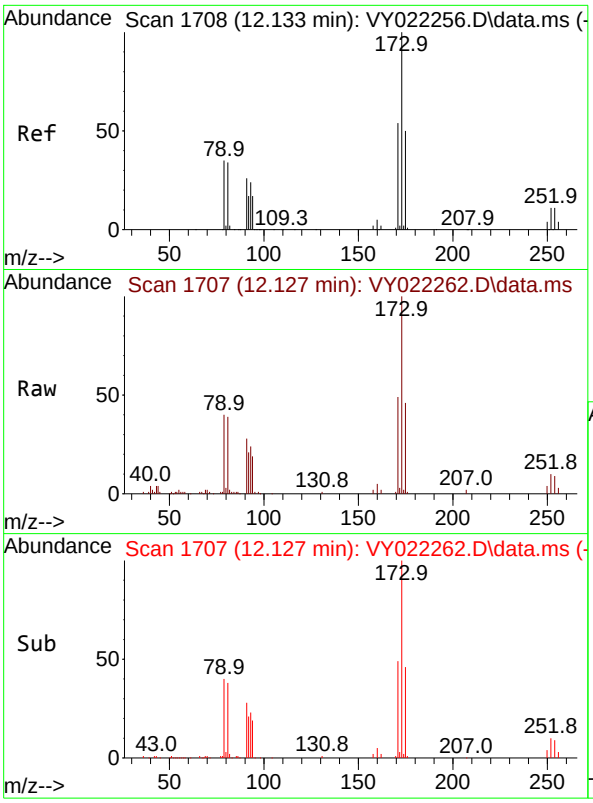


#70
Styrene
Concen: 19.833 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:104 Resp: 173798

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.9	61.3
103	55.3	43.7	65.5

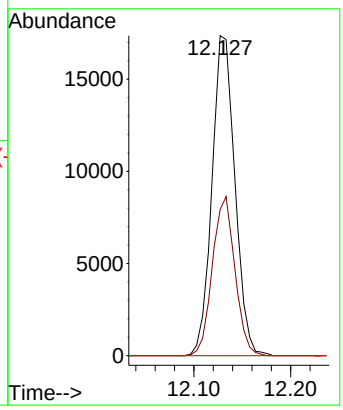




#71
Bromoform
Concen: 19.817 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:173 Resp: 2861

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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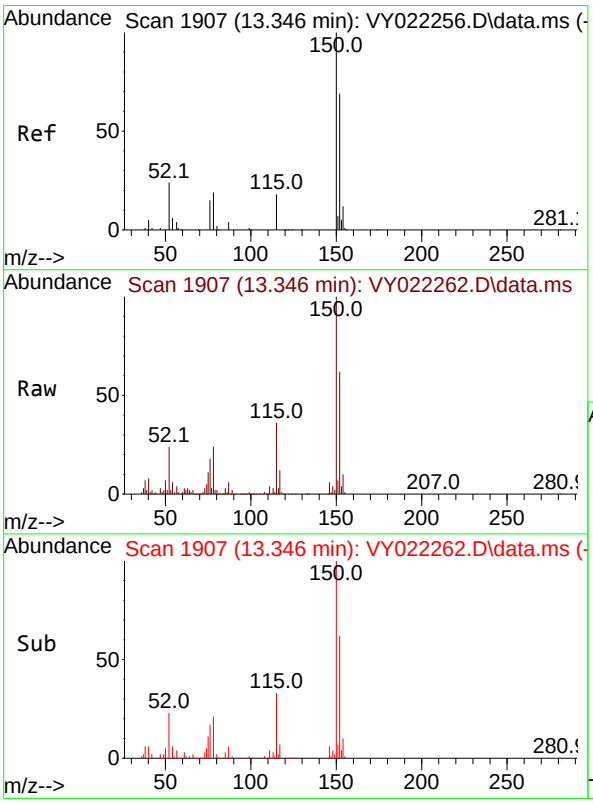
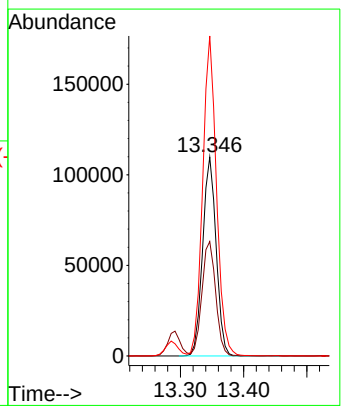
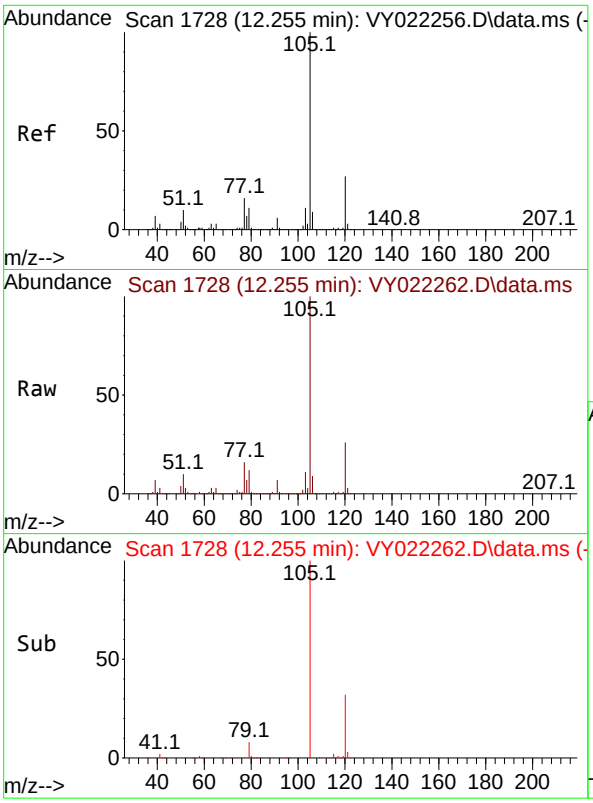


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:152 Resp: 163448

Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.4	88.2
150	164.2	0.0	353.8

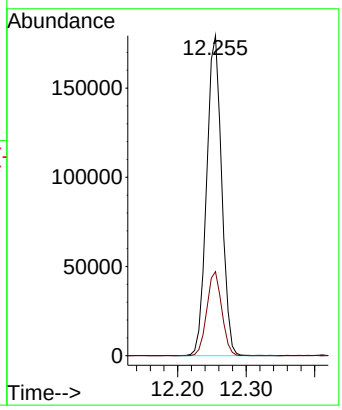




#73
Isopropylbenzene
Concen: 20.157 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:105 Resp: 27293

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6



Instrument :
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ClientSampleId :
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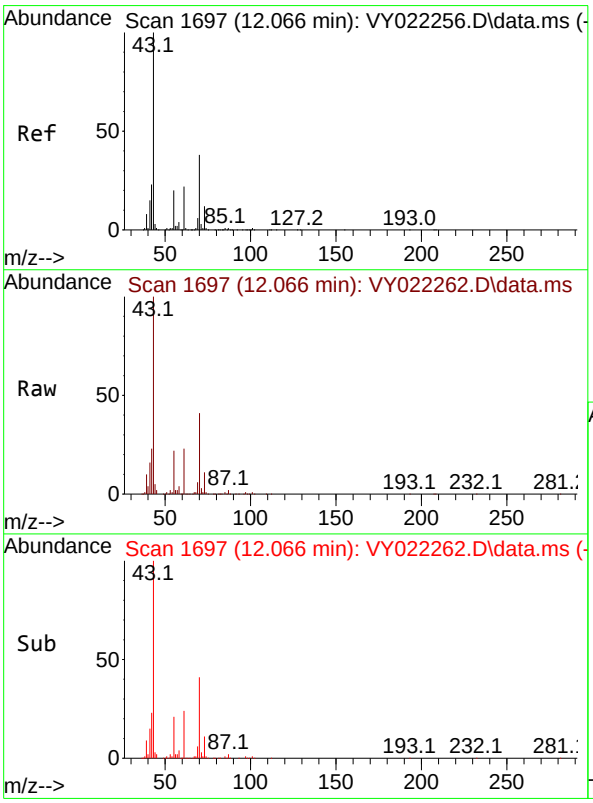
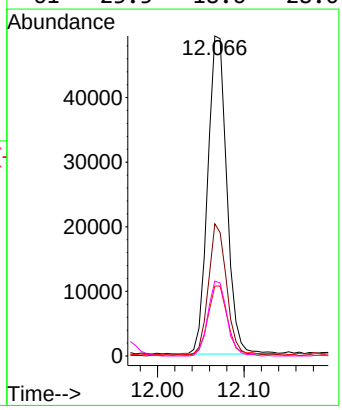
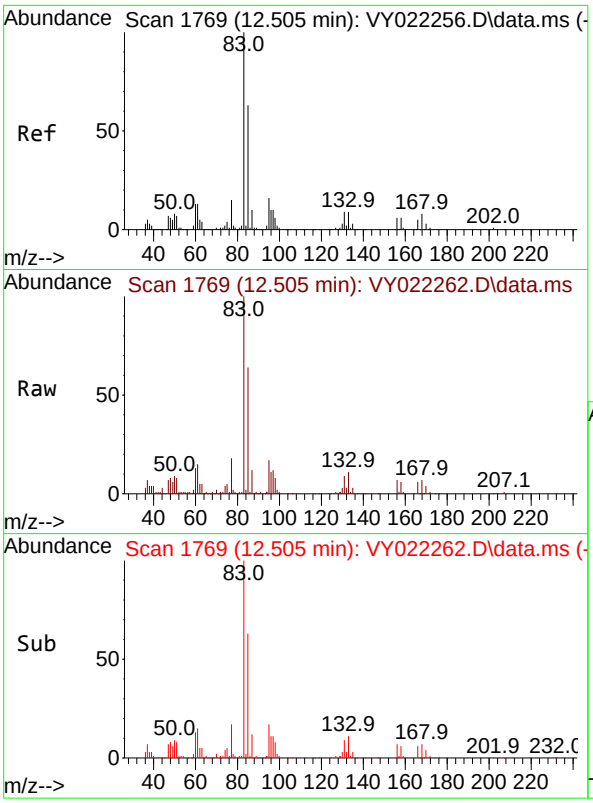


#74
N-amyl acetate
Concen: 19.483 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 75451

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.4	47.0
55	21.9	17.0	25.6
61	23.5	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 20.143 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 83 Resp: 4194

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.5	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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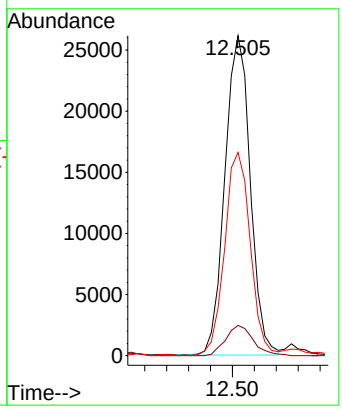
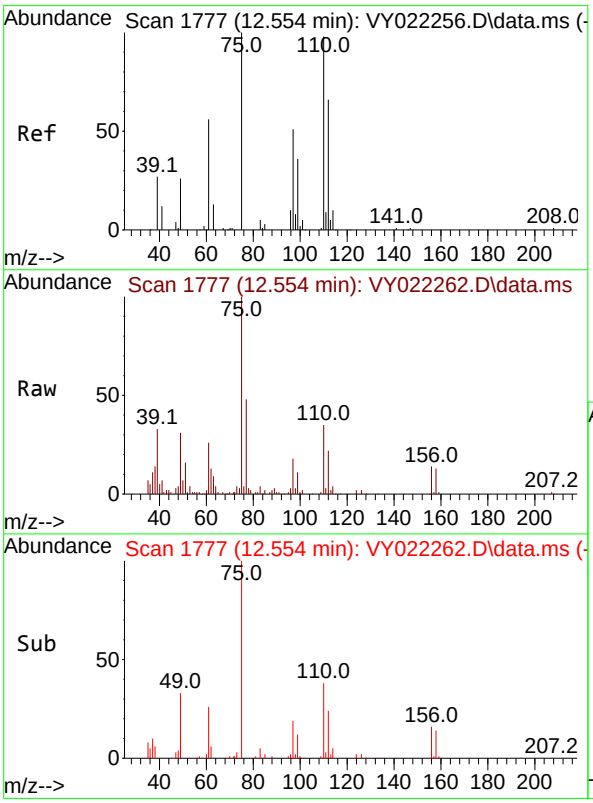
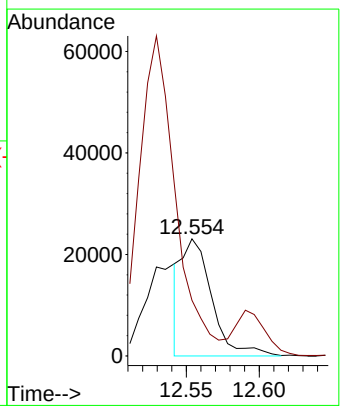


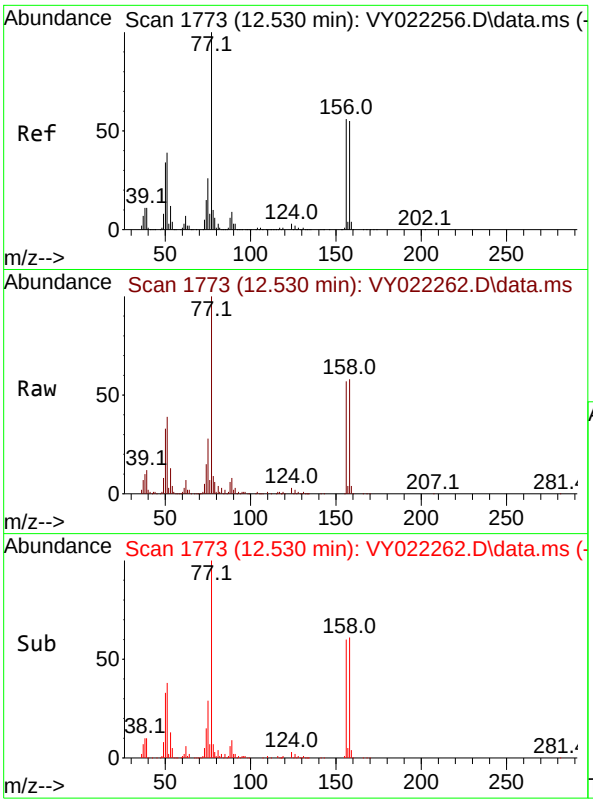


#76
1,2,3-Trichloropropane
Concen: 20.046 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 33194

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

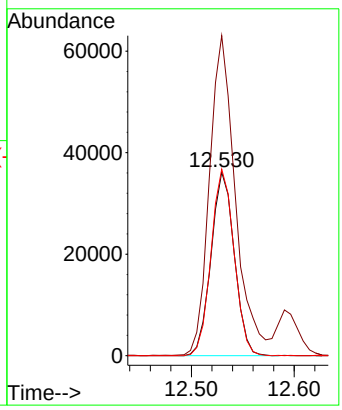




#77
Bromobenzene
Concen: 19.600 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:156 Resp: 5668

Ion	Ratio	Lower	Upper
156	100		
77	194.1	94.5	283.6
158	100.6	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
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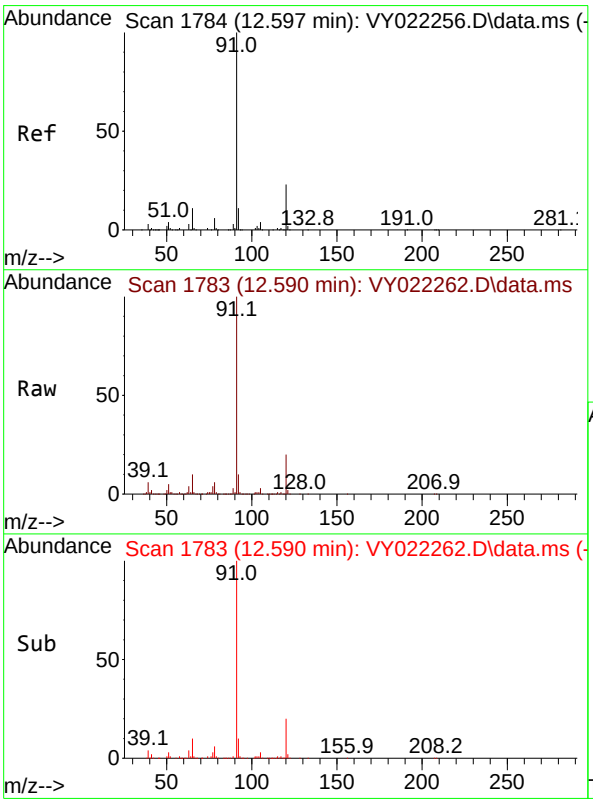
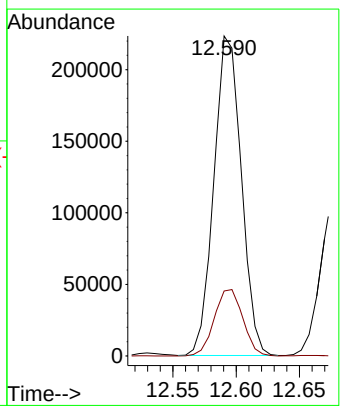
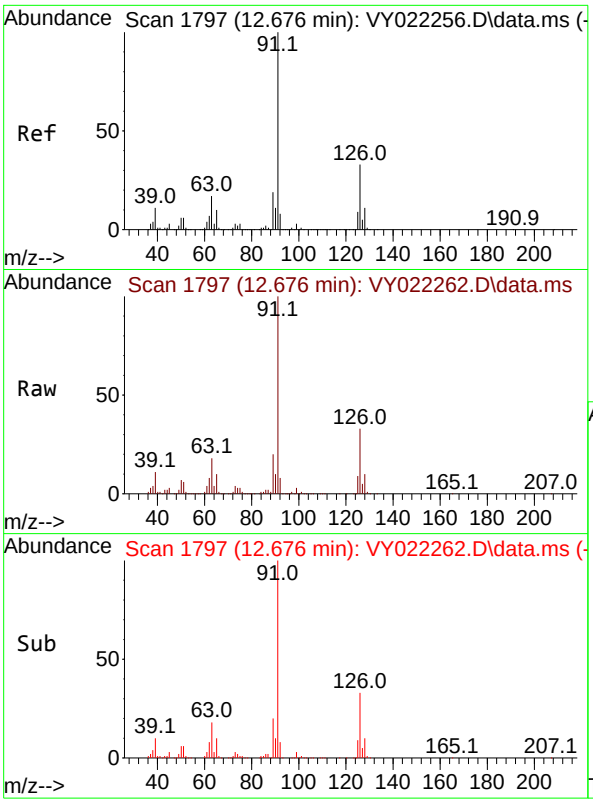


#78
n-propylbenzene
Concen: 20.598 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 91 Resp: 336430

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.3

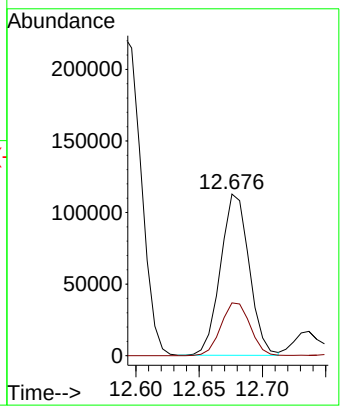




#79
2-Chlorotoluene
Concen: 19.817 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 91 Resp: 17787

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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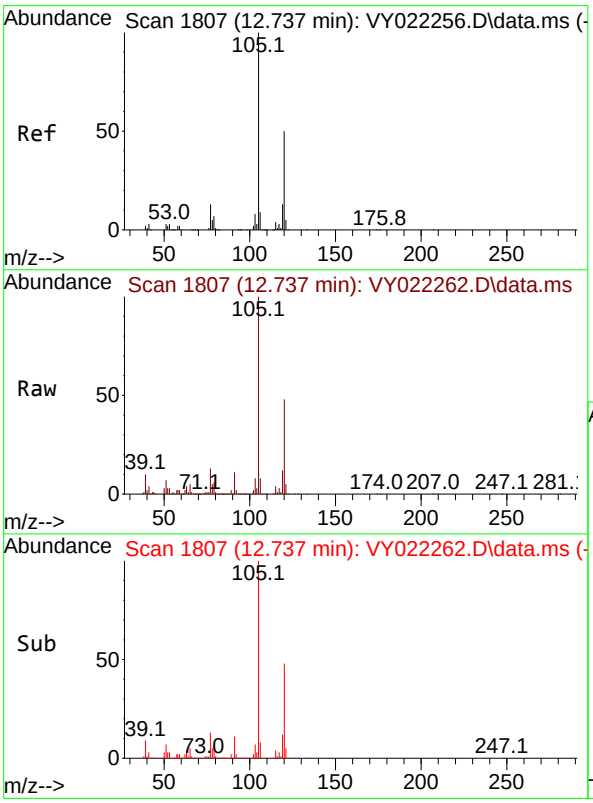
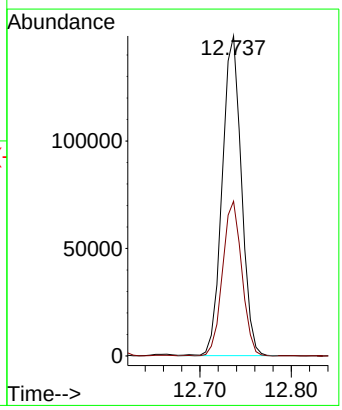
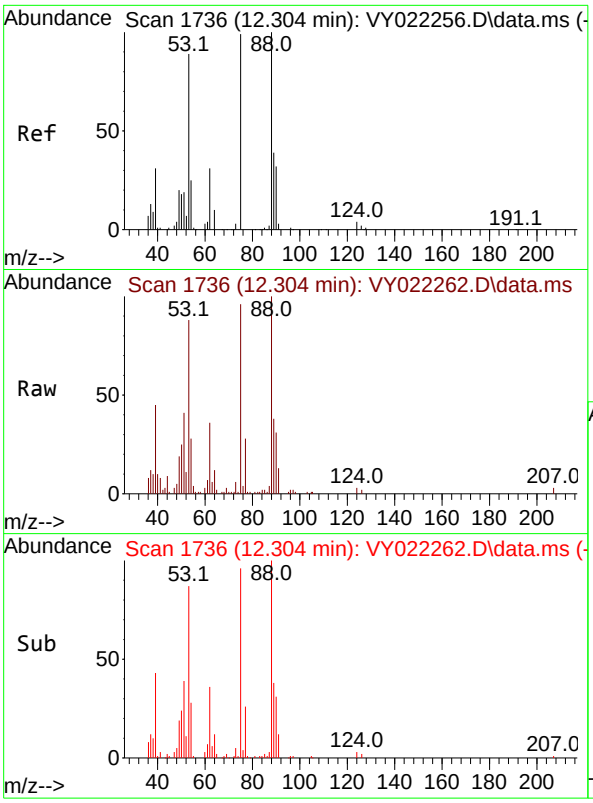


#80
1,3,5-Trimethylbenzene
Concen: 19.858 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:105 Resp: 217065

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6

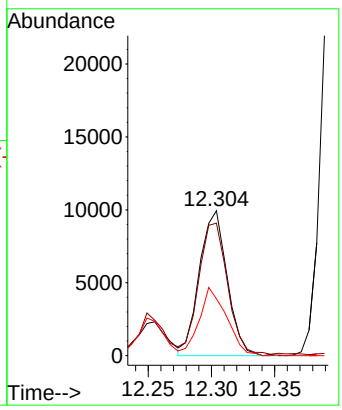




#81
trans-1,4-Dichloro-2-butene
Concen: 18.629 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 1522

Ion	Ratio	Lower	Upper
75	100		
53	94.9	75.8	113.8
89	46.4	36.2	54.2



Instrument :
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ClientSampleId :
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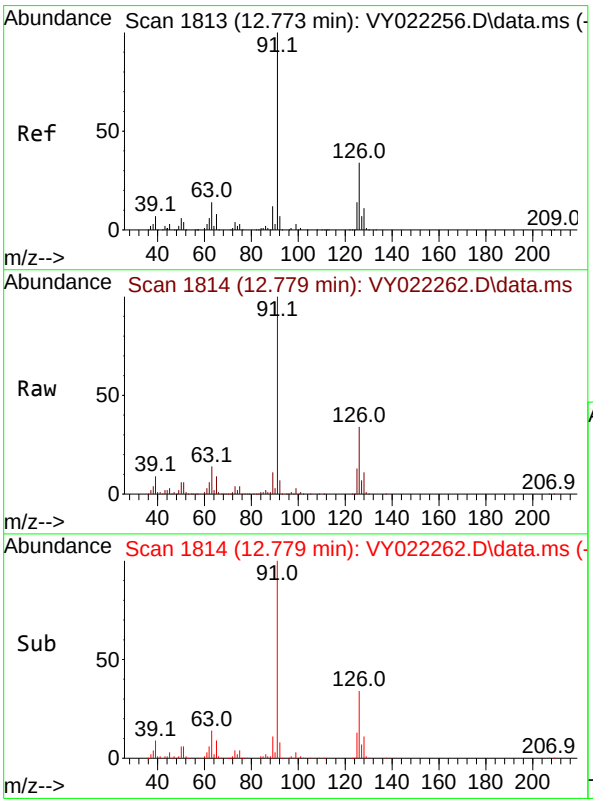
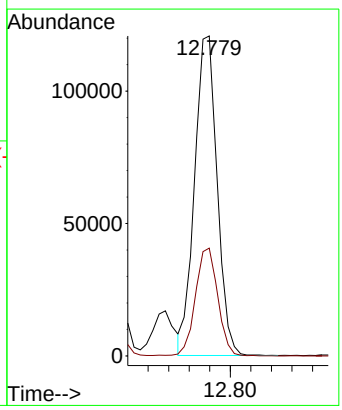
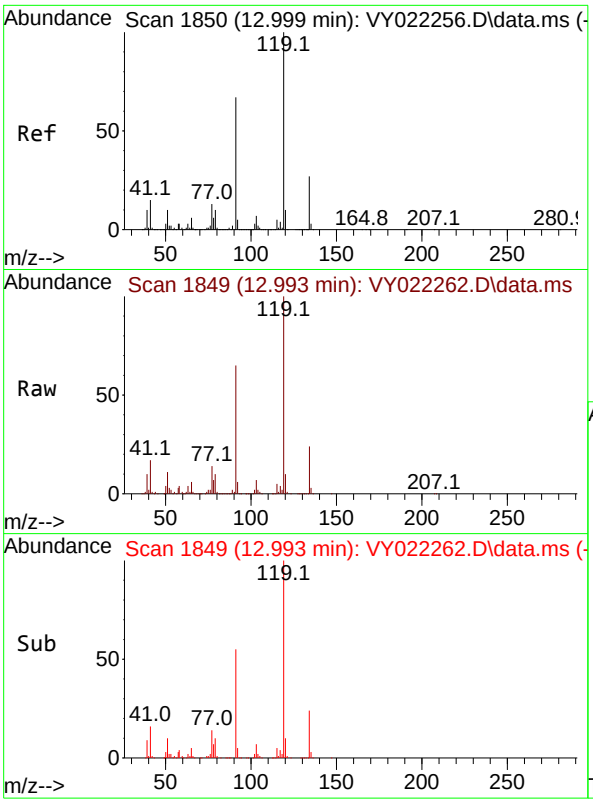


#82
4-Chlorotoluene
Concen: 19.935 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 91 Resp: 184041

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

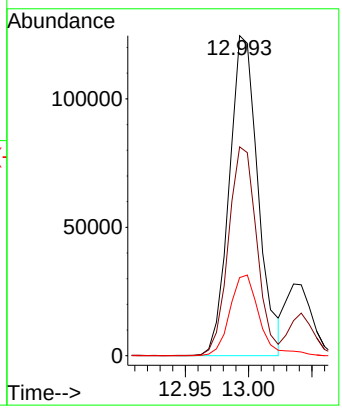




#83
tert-Butylbenzene
Concen: 20.324 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:119 Resp: 19745

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.8	98.3
134	25.8	12.9	38.6



Instrument :
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ClientSampleId :
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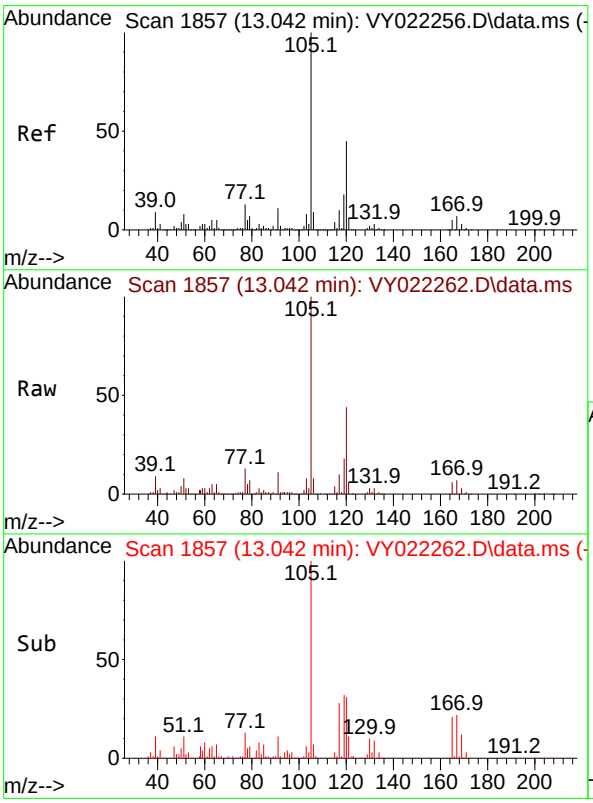
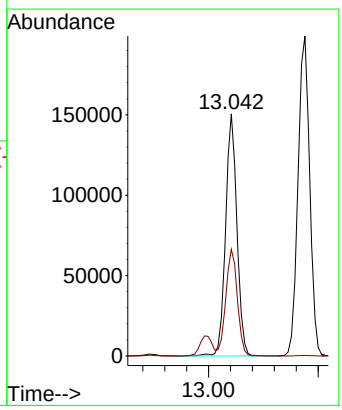
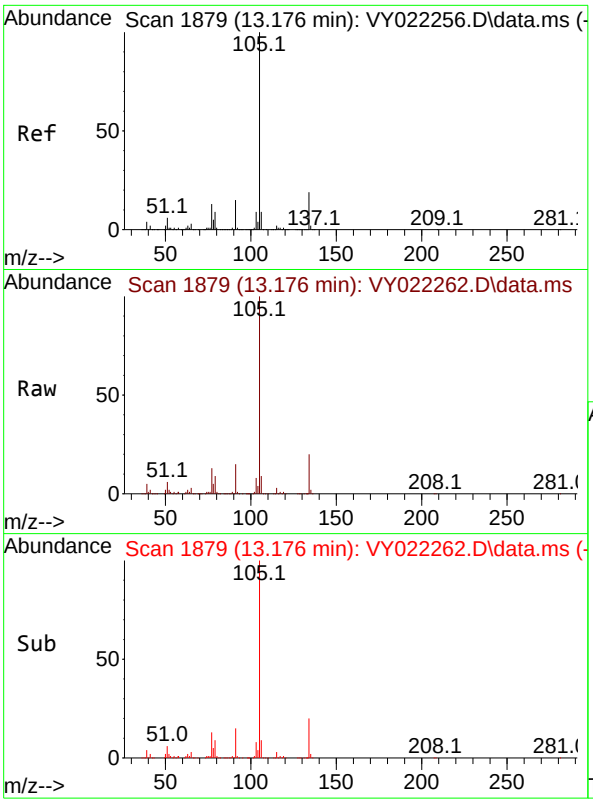


#84
1,2,4-Trimethylbenzene
Concen: 19.988 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:105 Resp: 216888

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9





#85
sec-Butylbenzene
Concen: 20.300 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:105 Resp: 29276

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

Instrument :
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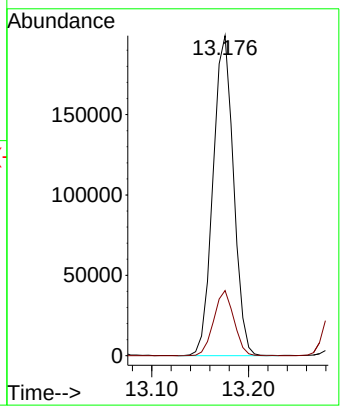
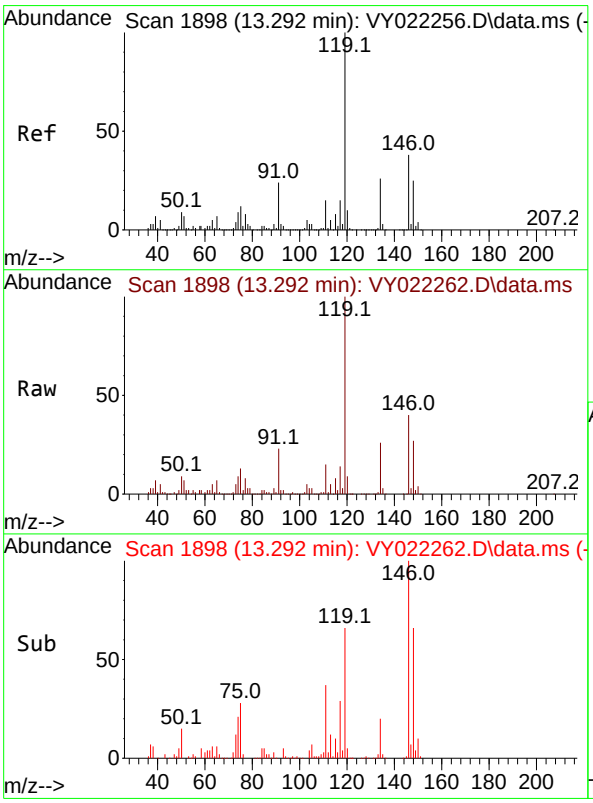
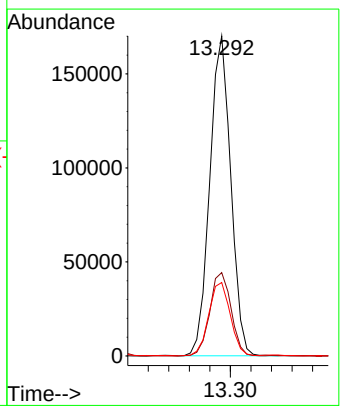


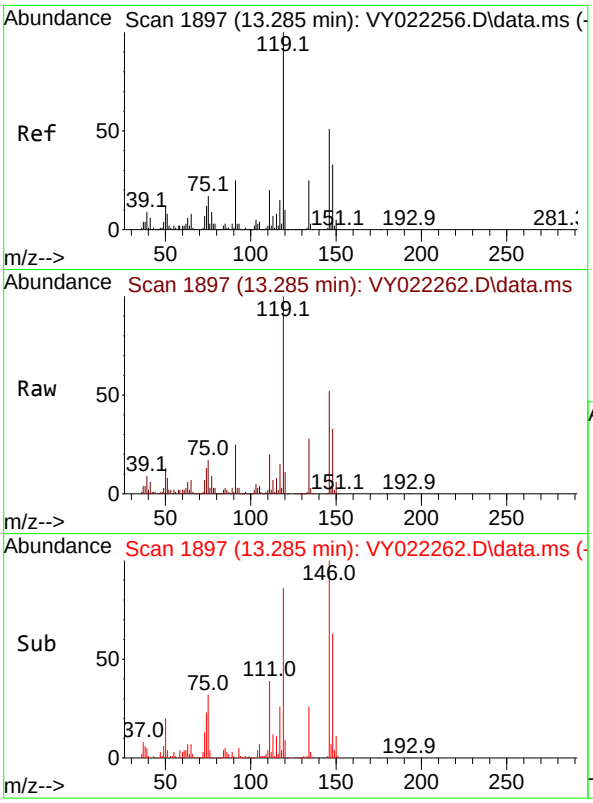


#86
p-Isopropyltoluene
Concen: 19.905 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:119 Resp: 241434

Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.6
91	23.6	12.1	36.3

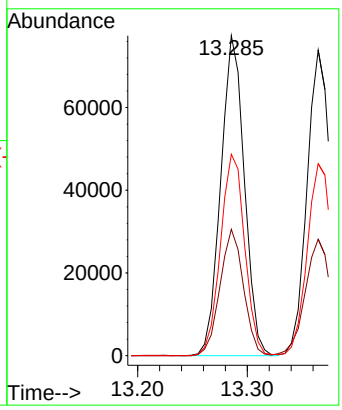




#87
1,3-Dichlorobenzene
Concen: 19.611 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:146 Resp: 11578

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	64.6	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

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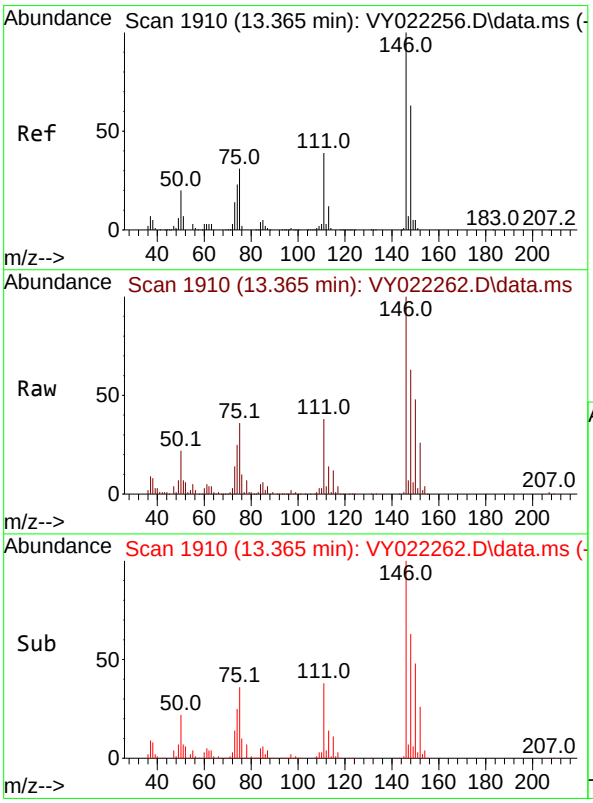
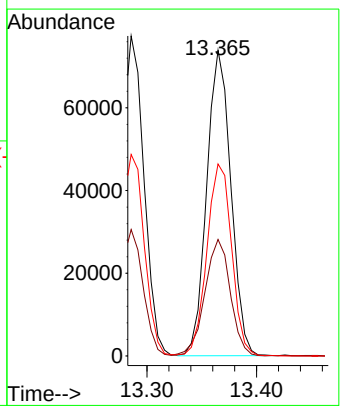
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

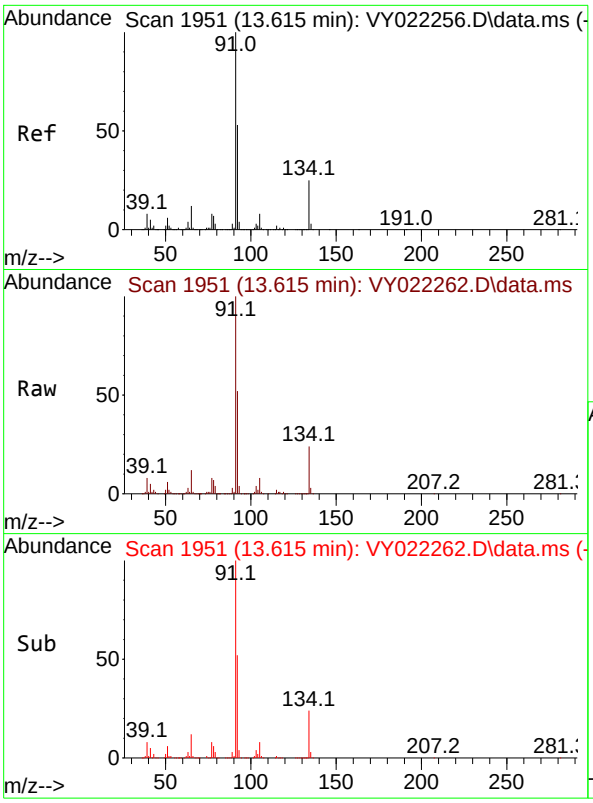


#88
1,4-Dichlorobenzene
Concen: 19.924 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:146 Resp: 113146

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.5	32.1	96.5

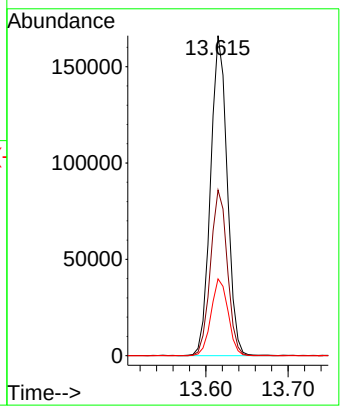




#89
n-Butylbenzene
Concen: 20.370 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 91 Resp: 23374

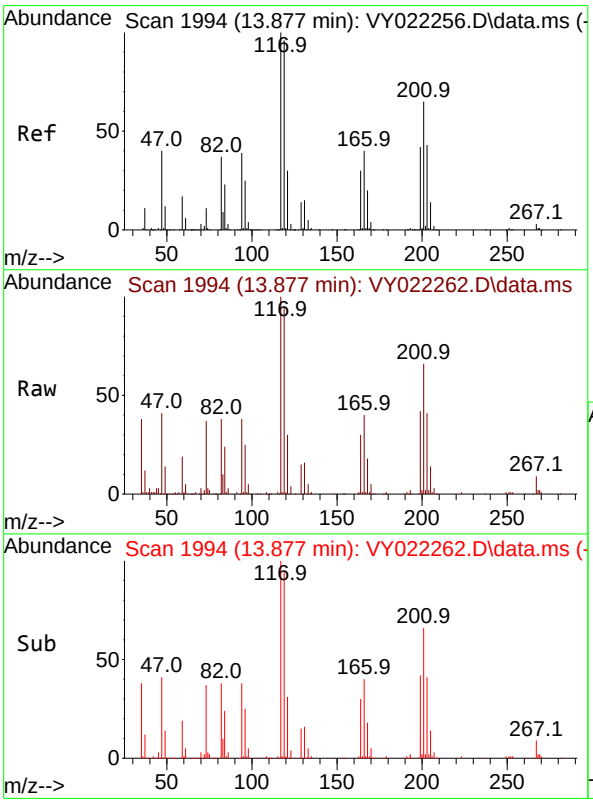
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	24.5	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations APPROVED

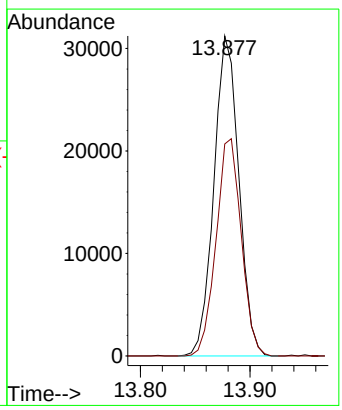
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

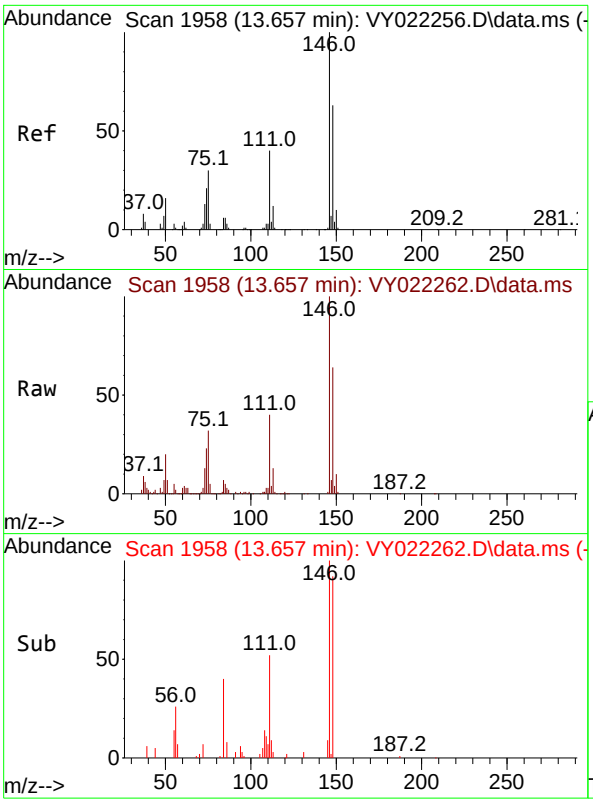


#90
Hexachloroethane
Concen: 20.160 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:117 Resp: 49361

Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6

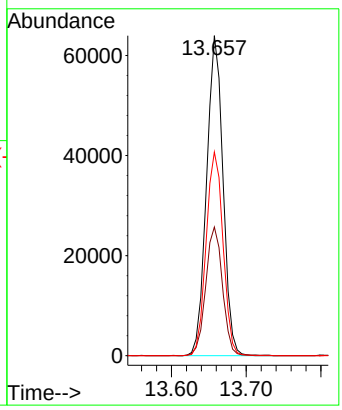




#91
1,2-Dichlorobenzene
Concen: 19.678 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:146 Resp: 9758

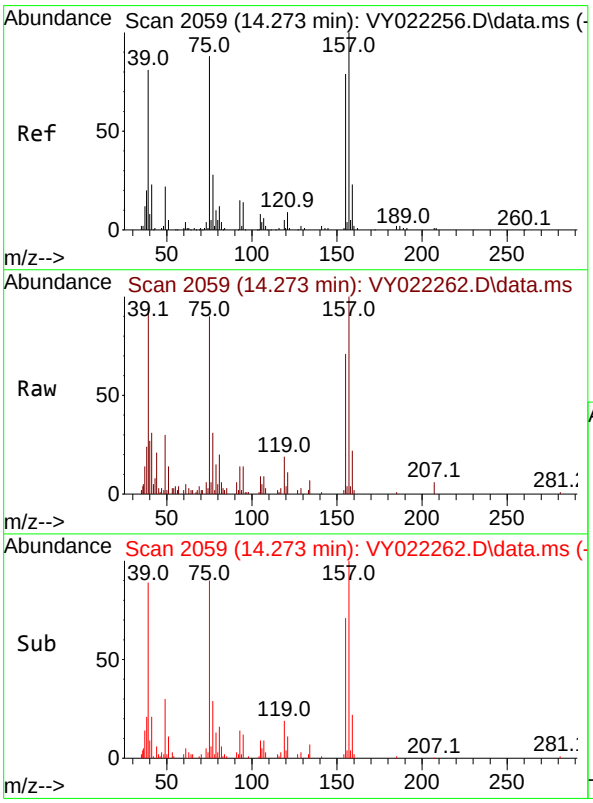
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	65.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

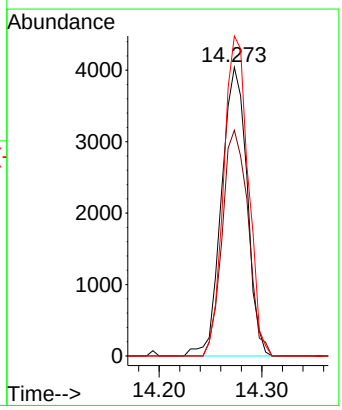
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

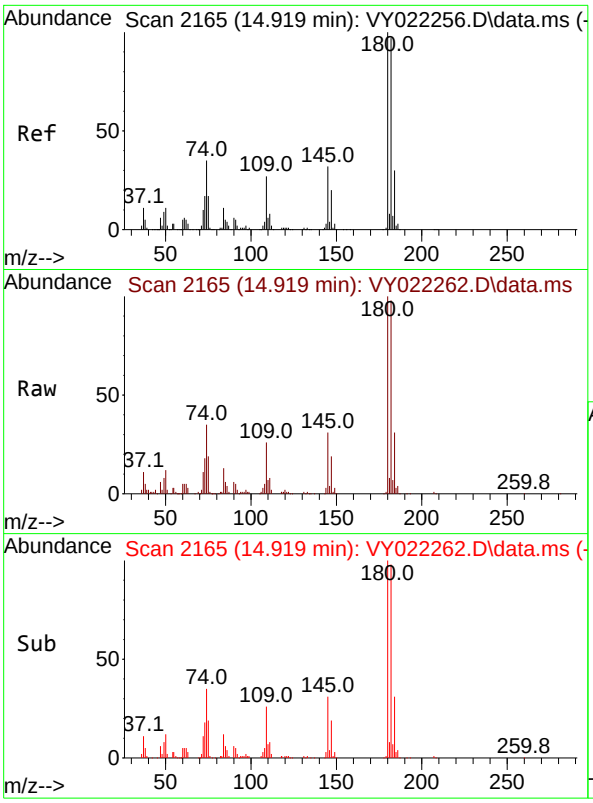


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.726 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 6960

Ion	Ratio	Lower	Upper
75	100		
155	79.0	43.4	130.1
157	106.6	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 19.768 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

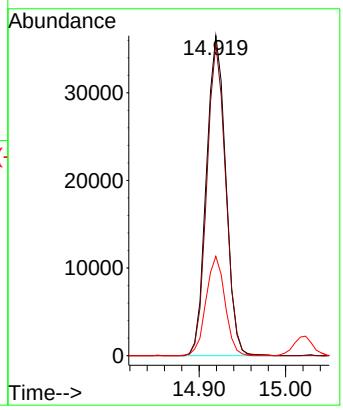
Tgt Ion:180 Resp: 5662

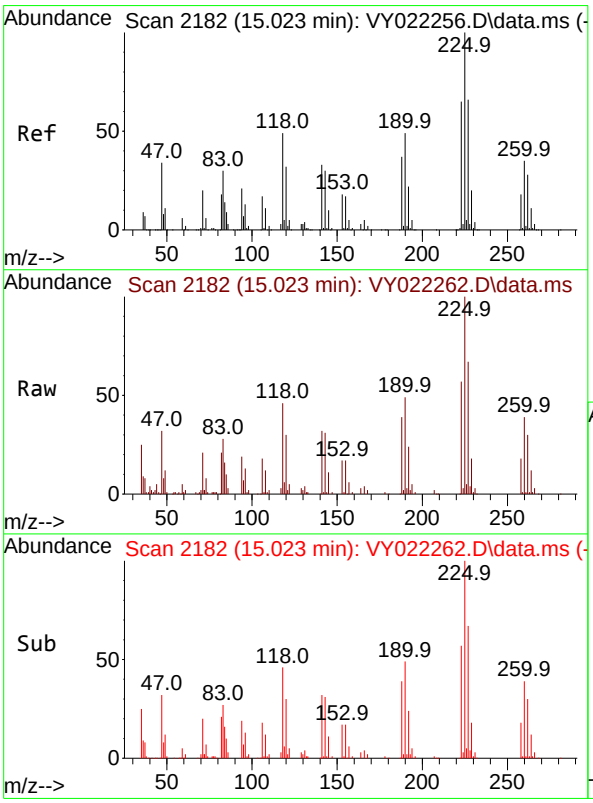
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	30.4	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

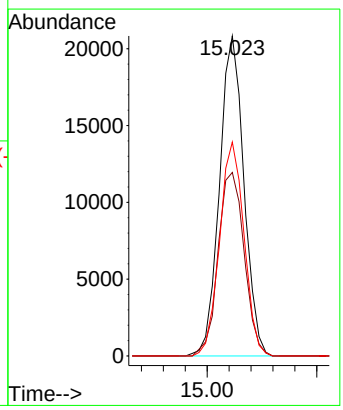


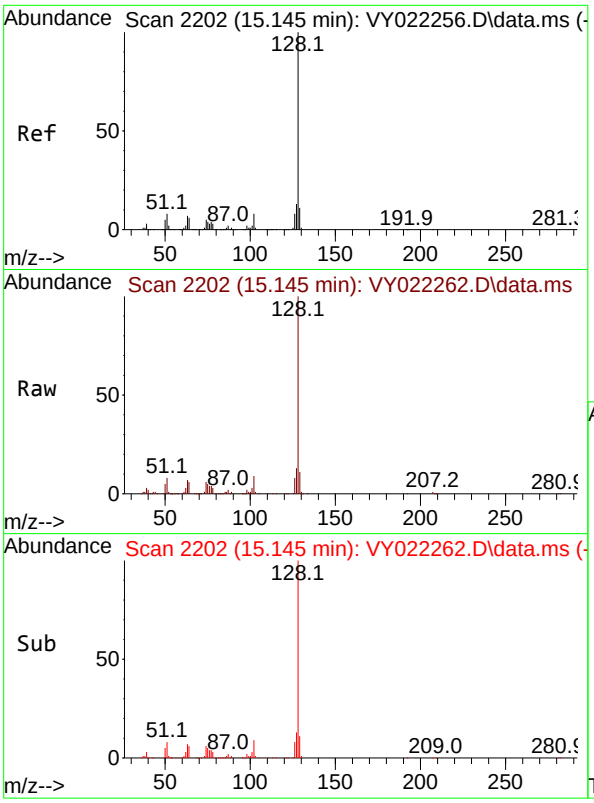


#94
Hexachlorobutadiene
Concen: 20.155 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:225 Resp: 32198

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.5	94.5
227	66.9	32.1	96.3

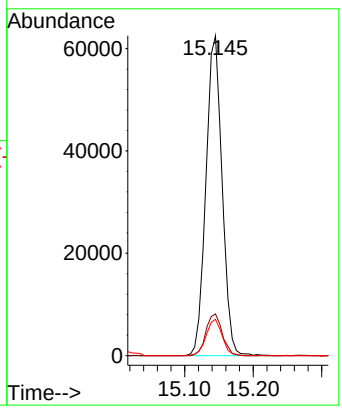




#95
Naphthalene
Concen: 18.892 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

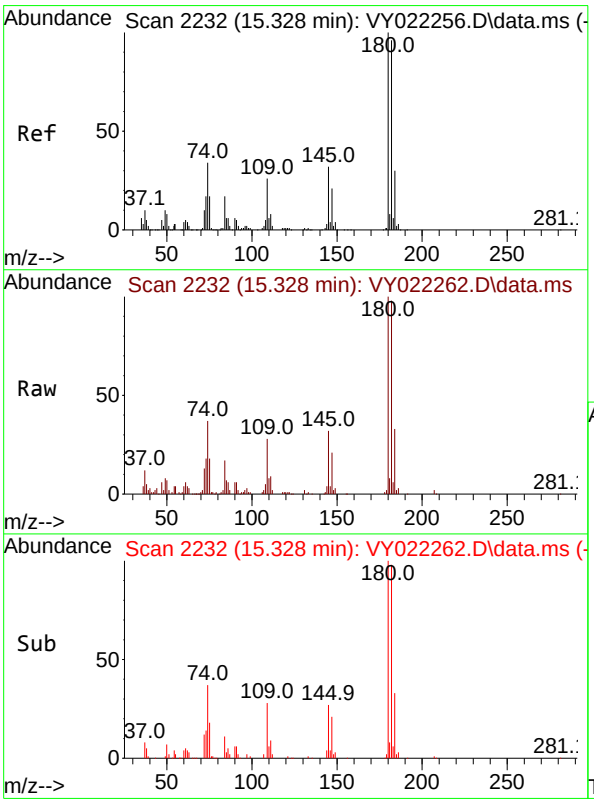
Tgt Ion:128 Resp: 10269

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.3	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

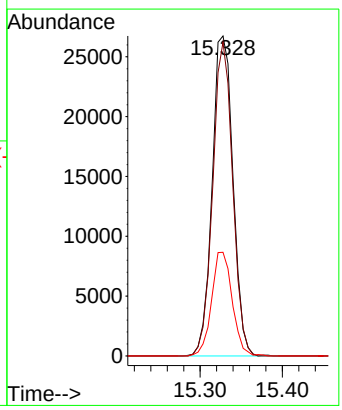
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.376 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:180 Resp: 47086

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.1	141.3
145	32.2	15.9	47.6



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:	VY0516SBS01	SDG No.:	Q1984
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.021		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.024		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.024		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.027		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.025		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.096		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.022		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.021		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.098		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	0.021		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.092		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		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	0.021		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		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	0.019		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.091		0.0036	0.013	0.025	mg/Kg

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:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q1984
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022279.D	1		05/16/25 10:09	VY051625

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	0.089		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	0.020		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	0.019		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	0.038		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.058		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	0.018		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.019		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.019		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.019		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	0.018		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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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q1984
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022279.D	1		05/16/25 10:09	VY051625

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	0.019		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.019		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.019		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.017		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		71 - 136		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.9		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	205000	7.707				
540-36-3	1,4-Difluorobenzene	352000	8.616				
3114-55-4	Chlorobenzene-d5	300000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	141000	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\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	205076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	351708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114577	51.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%			
35) Dibromofluoromethane	7.634	113	106659	50.809	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.620%			
50) Toluene-d8	10.109	98	437632	50.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.408	95	134691	49.426	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45052	21.053	ug/l	96
3) Chloromethane	2.068	50	109640	24.357	ug/l	99
4) Vinyl Chloride	2.202	62	120955	24.051	ug/l	97
5) Bromomethane	2.592	94	108325	26.460	ug/l	96
6) Chloroethane	2.732	64	77272	24.698	ug/l	97
7) Trichlorofluoromethane	3.049	101	112994	22.191	ug/l	98
8) Diethyl Ether	3.452	74	24161	19.772	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	46362	20.973	ug/l	98
10) Methyl Iodide	4.000	142	47690	18.640	ug/l	99
11) Tert butyl alcohol	4.866	59	16251	94.950	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45611	20.793	ug/l	96
13) Acrolein	3.653	56	22588	90.276	ug/l	98
14) Allyl chloride	4.385	41	76691	19.939	ug/l	97
15) Acrylonitrile	5.061	53	49210	97.735	ug/l	98
16) Acetone	3.879	43	35951	85.545	ug/l	98
17) Carbon Disulfide	4.104	76	148086	20.702	ug/l	98
18) Methyl Acetate	4.385	43	26179	19.757	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	122697	20.286	ug/l	98
20) Methylene Chloride	4.616	84	54277	19.987	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	49533	20.457	ug/l	97
22) Diisopropyl ether	6.018	45	160728	19.788	ug/l	99
23) Vinyl Acetate	5.957	43	464752	94.709	ug/l	99
24) 1,1-Dichloroethane	5.915	63	92075	20.290	ug/l	98
25) 2-Butanone	6.896	43	64354	91.546	ug/l	100
26) 2,2-Dichloropropane	6.884	77	80883	20.039	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	57480	20.572	ug/l	99
28) Bromochloromethane	7.250	49	38175	19.722	ug/l	98
29) Tetrahydrofuran	7.268	42	43168	95.450	ug/l	96
30) Chloroform	7.421	83	90925	20.889	ug/l	99
31) Cyclohexane	7.701	56	89576	19.756	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	82428	20.641	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67416	19.498	ug/l	99
37) Ethyl Acetate	6.988	43	30289	18.206	ug/l	96
38) Carbon Tetrachloride	7.817	117	70982	19.833	ug/l	98
39) Methylcyclohexane	9.109	83	90967	19.583	ug/l	96
40) Benzene	8.079	78	206032	20.100	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	20703m	18.760	ug/l		
42) 1,2-Dichloroethane	8.158	62	55663	20.081	ug/l		99
43) Isopropyl Acetate	8.201	43	66577	18.350	ug/l		100
44) Trichloroethene	8.865	130	52001	20.403	ug/l		99
45) 1,2-Dichloropropane	9.140	63	48024	19.433	ug/l		95
46) Dibromomethane	9.231	93	26030	19.529	ug/l		96
47) Bromodichloromethane	9.426	83	69687	20.153	ug/l		99
48) Methyl methacrylate	9.225	41	31270	18.429	ug/l		99
49) 1,4-Dioxane	9.237	88	5450	361.945	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	161776	90.873	ug/l		98
52) Toluene	10.170	92	126577	19.501	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	63643	18.860	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	74469	19.261	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	33647	19.714	ug/l		96
56) Ethyl methacrylate	10.438	69	48650	18.299	ug/l		97
57) 1,3-Dichloropropane	10.719	76	58178	19.185	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	99985	83.786	ug/l		100
59) 2-Hexanone	10.761	43	106492	89.217	ug/l		99
60) Dibromochloromethane	10.914	129	43390	19.586	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31515	19.811	ug/l		99
64) Tetrachloroethene	10.646	164	54813	19.759	ug/l		99
65) Chlorobenzene	11.444	112	133251	19.679	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.517	131	44554	19.140	ug/l		100
67) Ethyl Benzene	11.517	91	241283	19.027	ug/l		98
68) m/p-Xylenes	11.627	106	183701	38.444	ug/l		98
69) o-Xylene	11.956	106	87610	19.379	ug/l		96
70) Styrene	11.969	104	144454	18.942	ug/l		99
71) Bromoform	12.133	173	23136	18.414	ug/l	#	99
73) Isopropylbenzene	12.255	105	226293	19.344	ug/l		100
74) N-amyl acetate	12.072	43	59704	17.844	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34300	19.065	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	27665m	19.338	ug/l		
77) Bromobenzene	12.529	156	47234	18.904	ug/l		97
78) n-propylbenzene	12.597	91	274165	19.430	ug/l		100
79) 2-Chlorotoluene	12.682	91	148305	19.125	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	178884	18.943	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11847	16.775	ug/l		93
82) 4-Chlorotoluene	12.779	91	148832	18.660	ug/l		98
83) tert-Butylbenzene	12.999	119	161923	19.292	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	179642	19.163	ug/l		99
85) sec-Butylbenzene	13.176	105	239464	19.219	ug/l		99
86) p-Isopropyltoluene	13.291	119	197757	18.872	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	93936	18.416	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	92740	18.902	ug/l		99
89) n-Butylbenzene	13.615	91	191322	19.299	ug/l		98
90) Hexachloroethane	13.877	117	40730	19.255	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	81717	19.073	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5507	18.982	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	47875	19.345	ug/l		96
94) Hexachlorobutadiene	15.023	225	26080	18.897	ug/l		98
95) Naphthalene	15.145	128	86461	18.410	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39190	18.667	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

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\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

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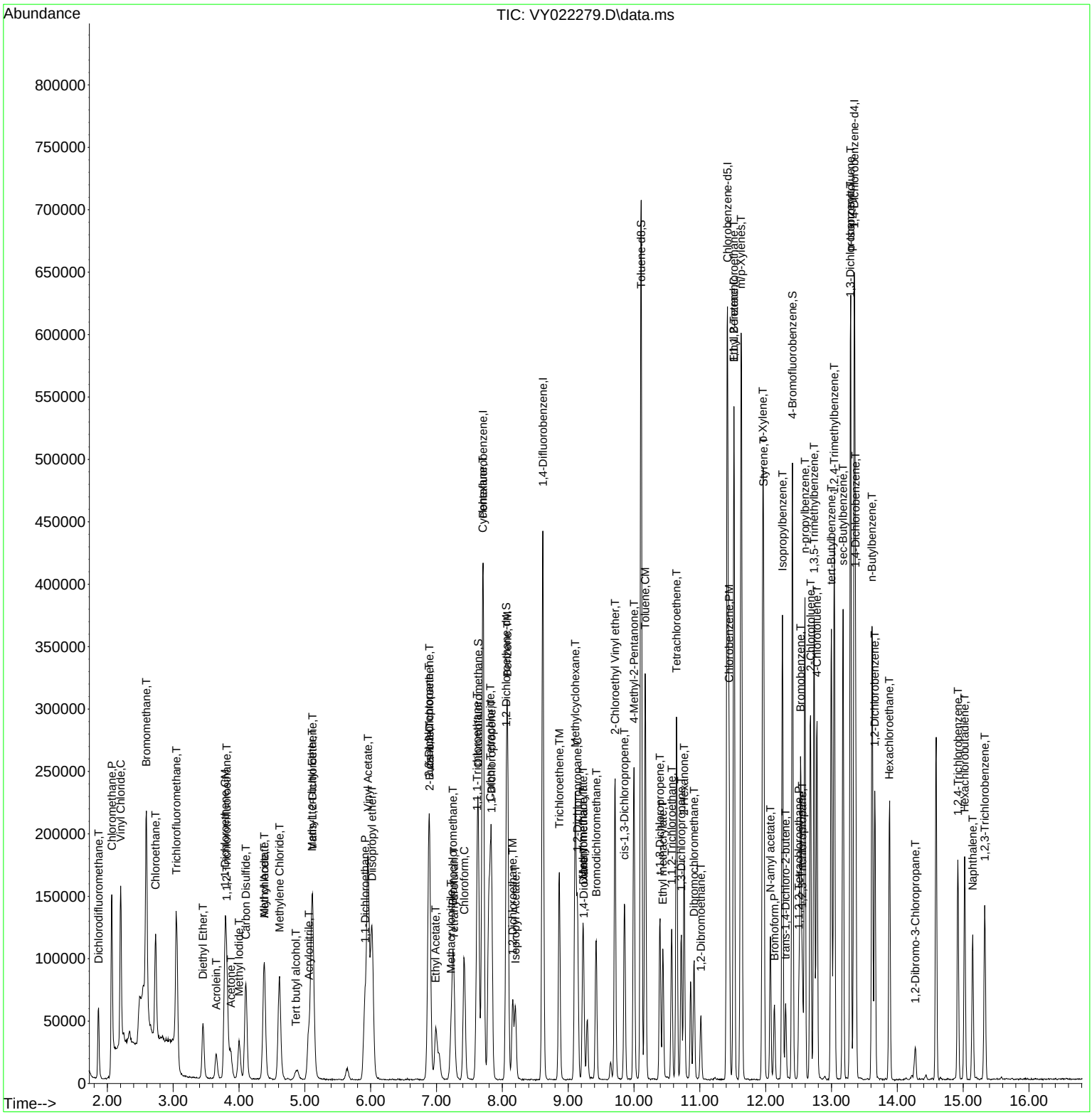
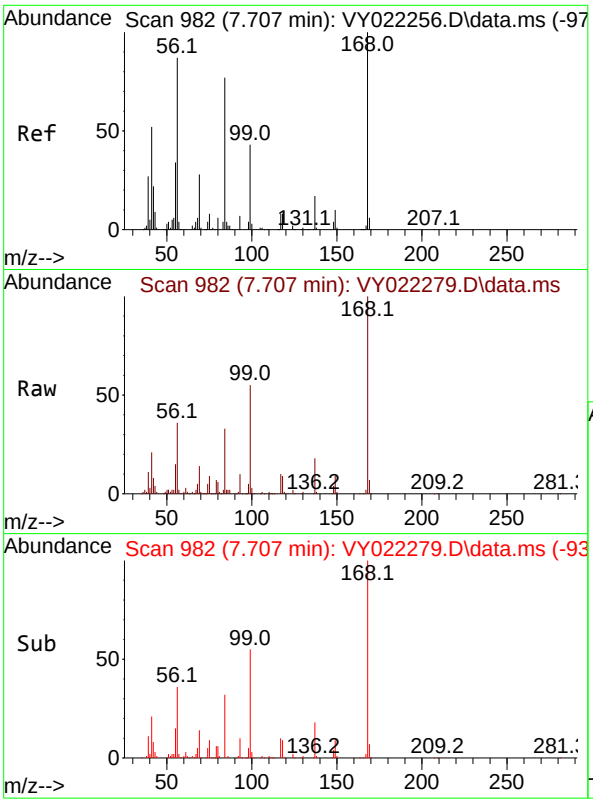
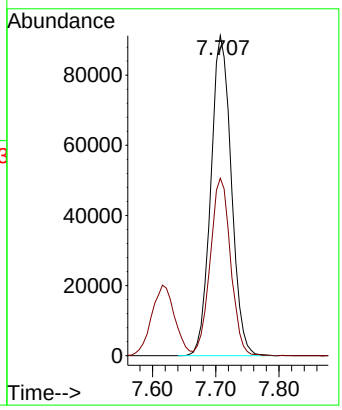




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:168 Resp: 20507

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
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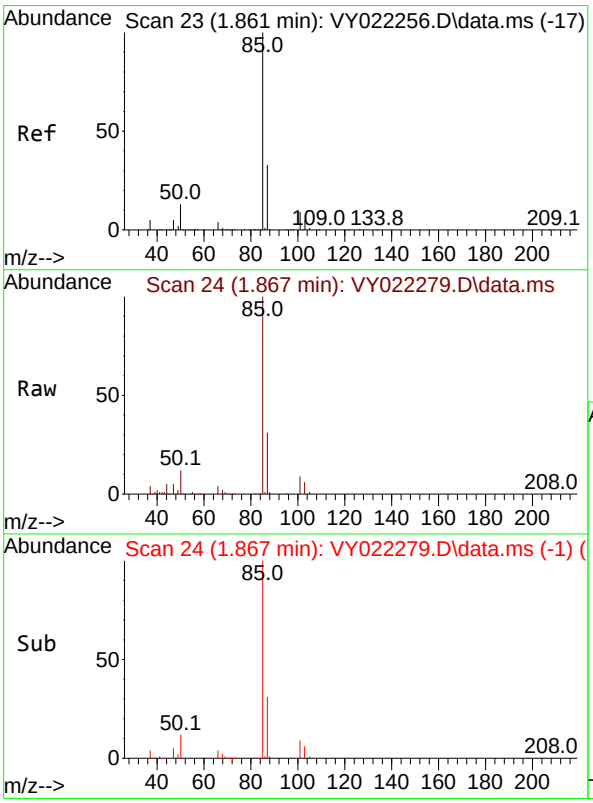
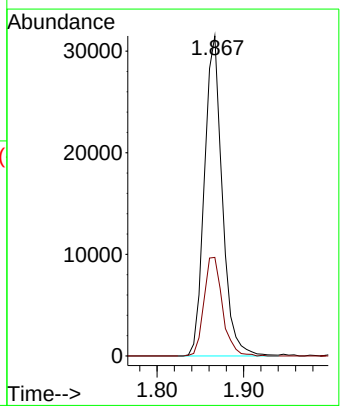
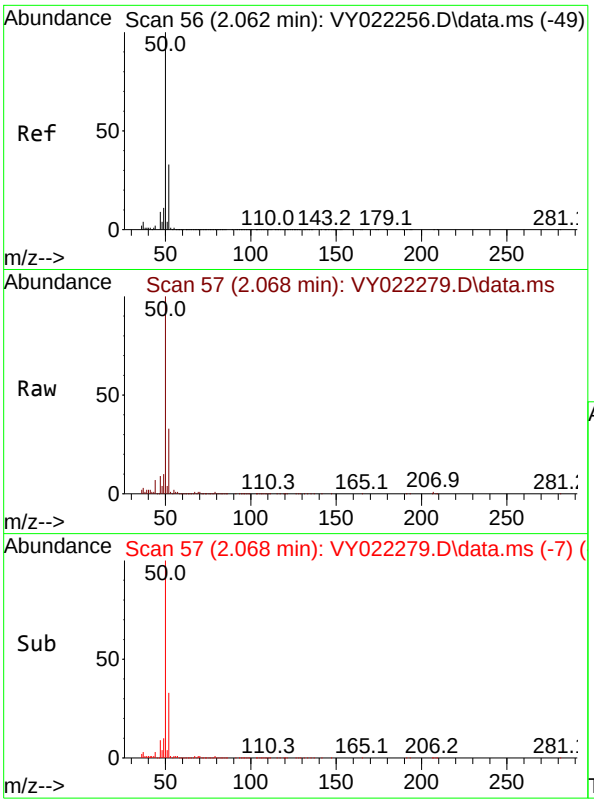


#2
Dichlorodifluoromethane
Concen: 21.053 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 85 Resp: 45052

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.5	49.5

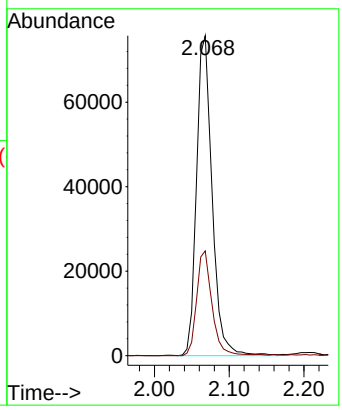




#3
Chloromethane
Concen: 24.357 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 50 Resp: 10964

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

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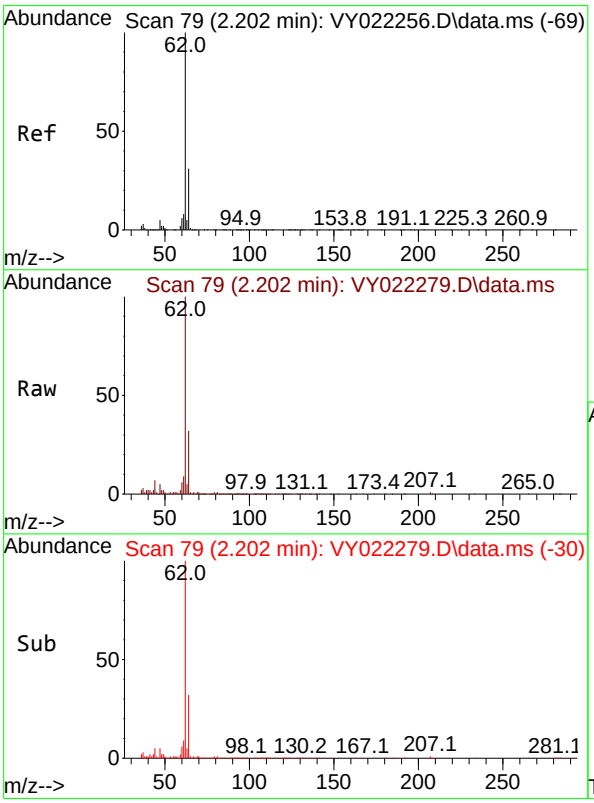
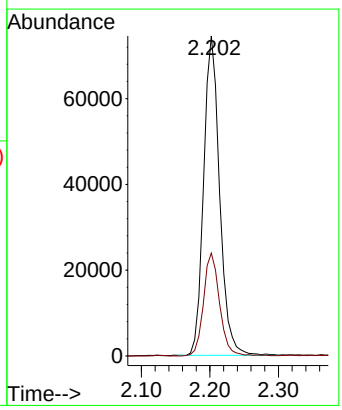
Supervised By :Semsettin Yesilyurt 05/19/2025

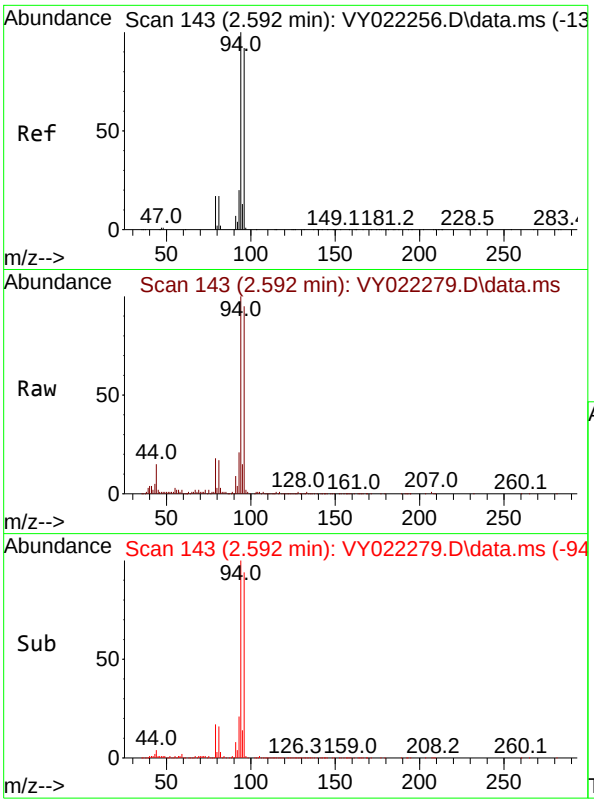


#4
Vinyl Chloride
Concen: 24.051 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 120955

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.5	36.7

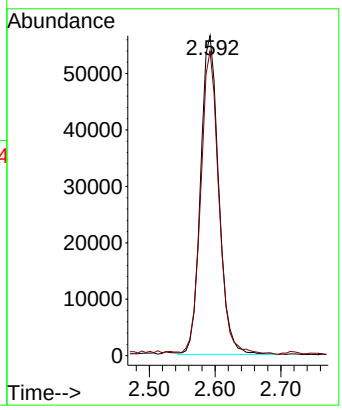




#5
Bromomethane
Concen: 26.460 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 94 Resp: 10832

Ion	Ratio	Lower	Upper
94	100		
96	95.1	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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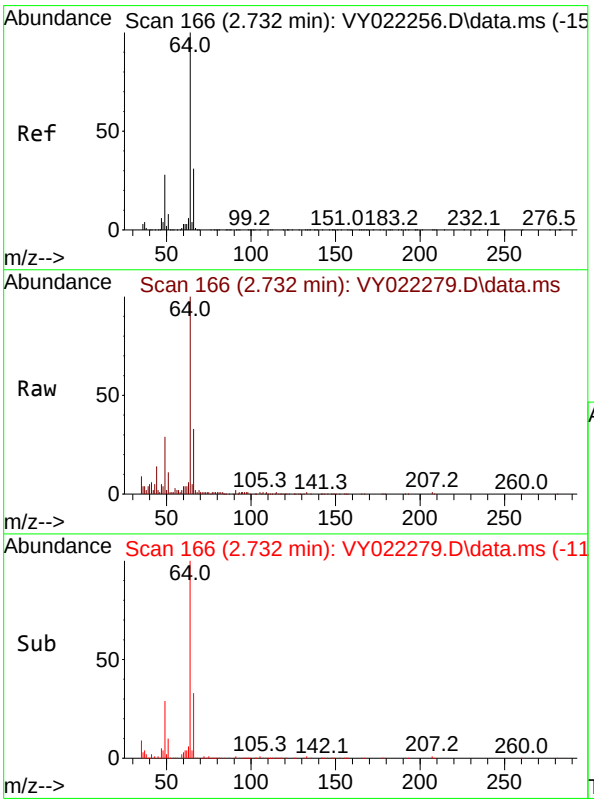
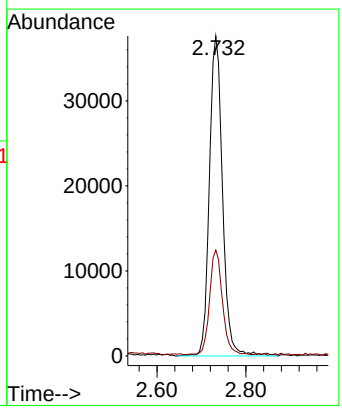
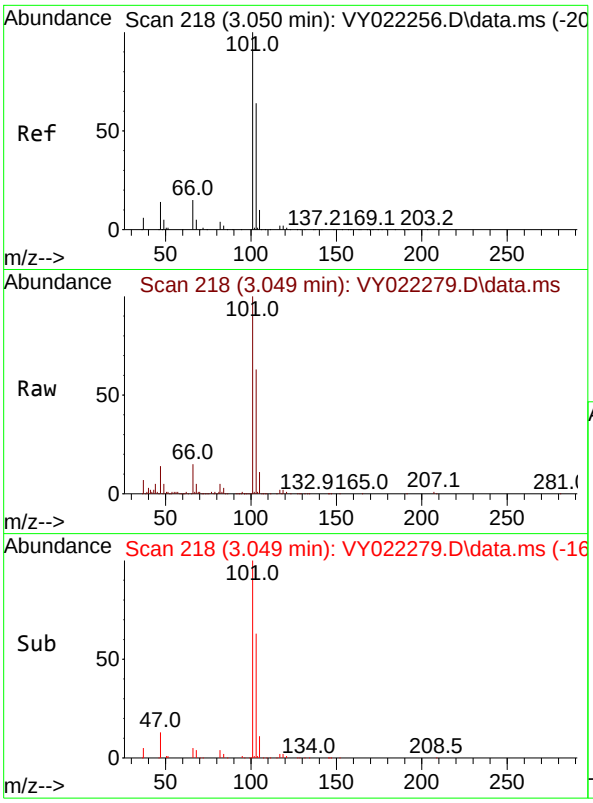


#6
Chloroethane
Concen: 24.698 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 64 Resp: 77272

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.8	37.2

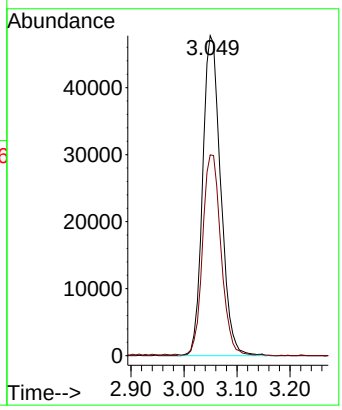




#7
Trichlorofluoromethane
Concen: 22.191 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:101 Resp: 11299

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

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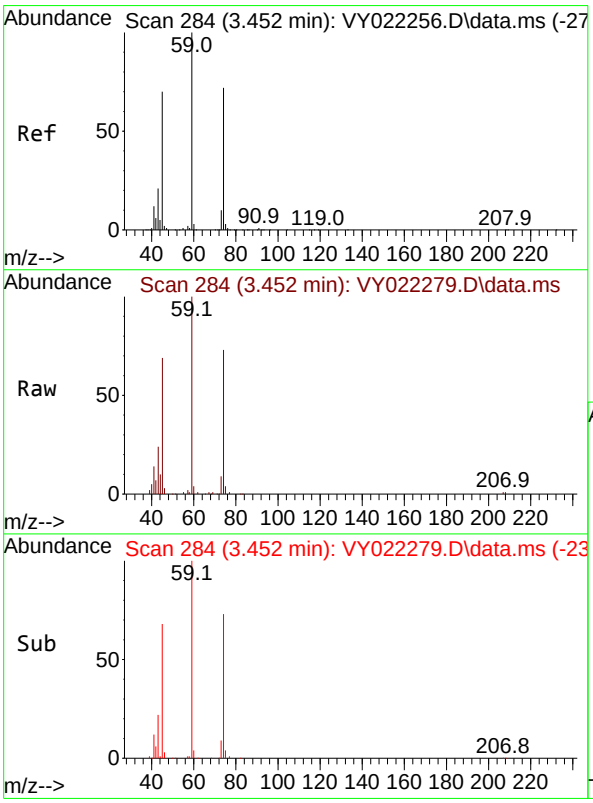
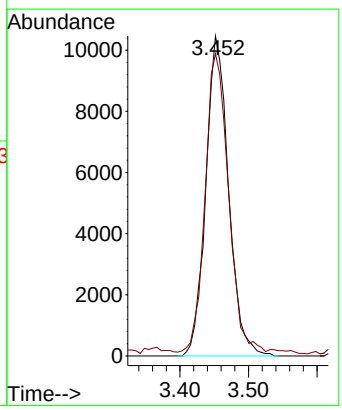
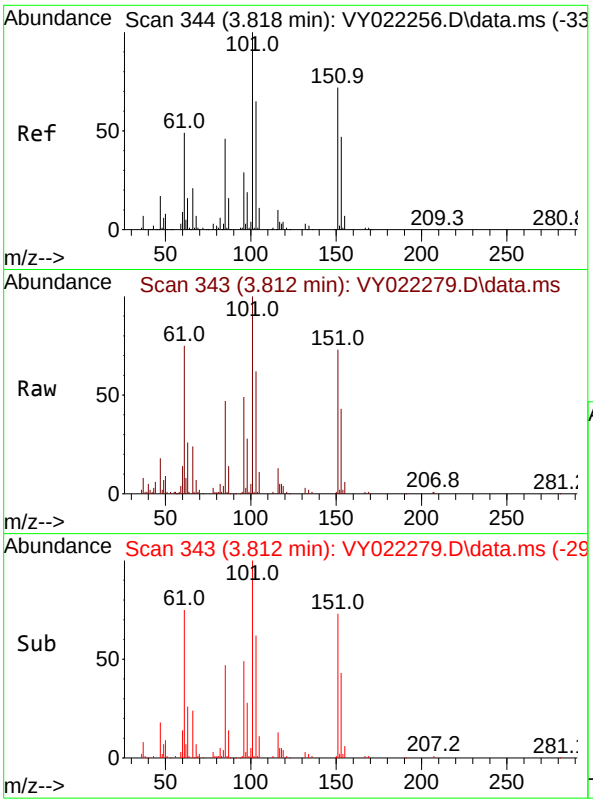


#8
Diethyl Ether
Concen: 19.772 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 74 Resp: 24161

Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.6	145.8

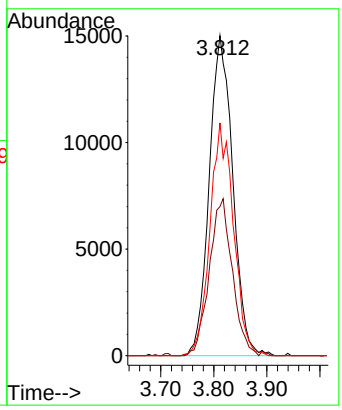




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.973 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:101 Resp: 4636

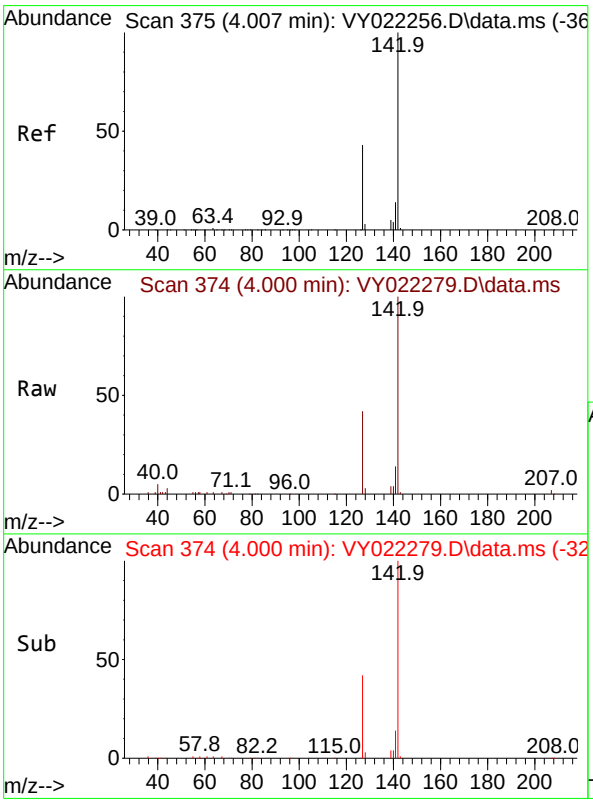
Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.6	58.0
151	72.7	59.7	89.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

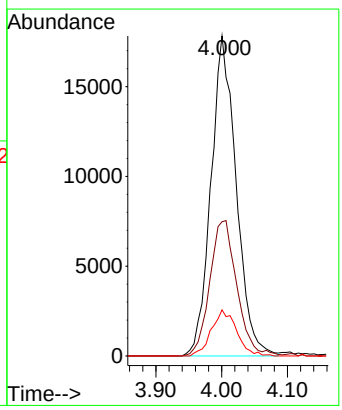
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

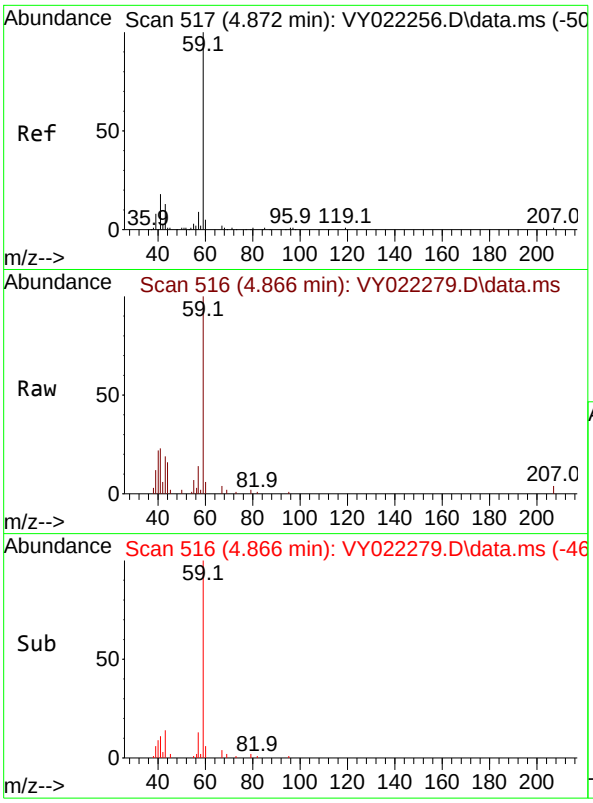


#10
Methyl Iodide
Concen: 18.640 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:142 Resp: 47690

Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.7	53.5
141	14.3	11.1	16.7





#11
Tert butyl alcohol
Concen: 94.950 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 59 Resp: 1625

Ion	Ratio	Lower	Upper
59	100		
57	5.8	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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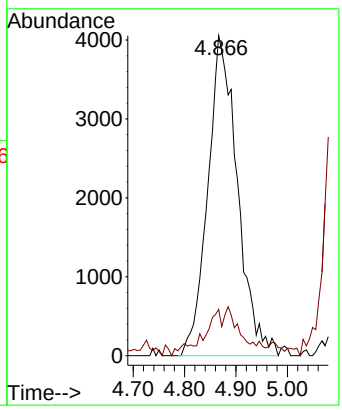
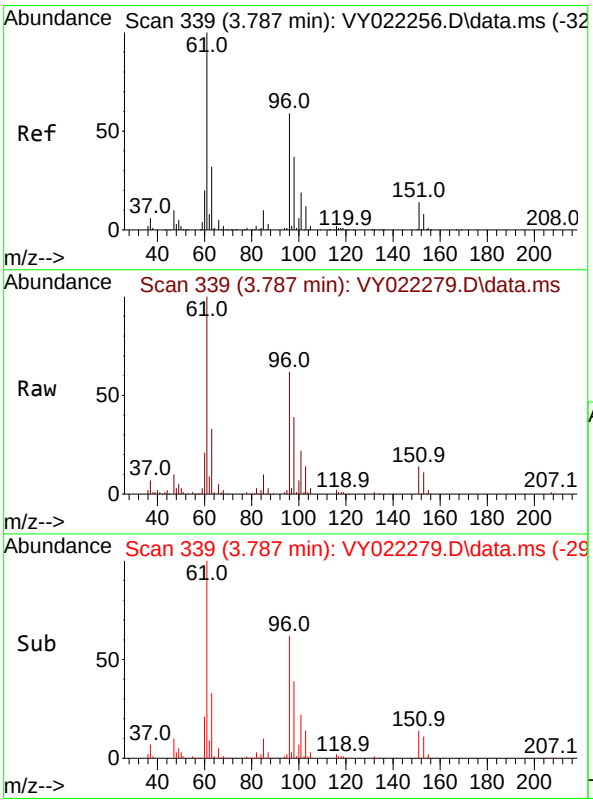
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

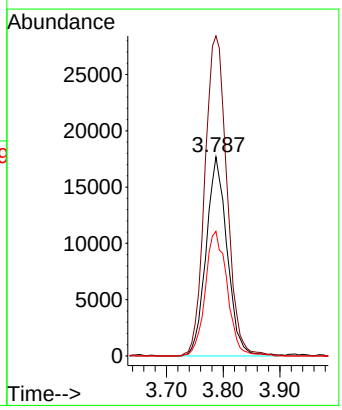


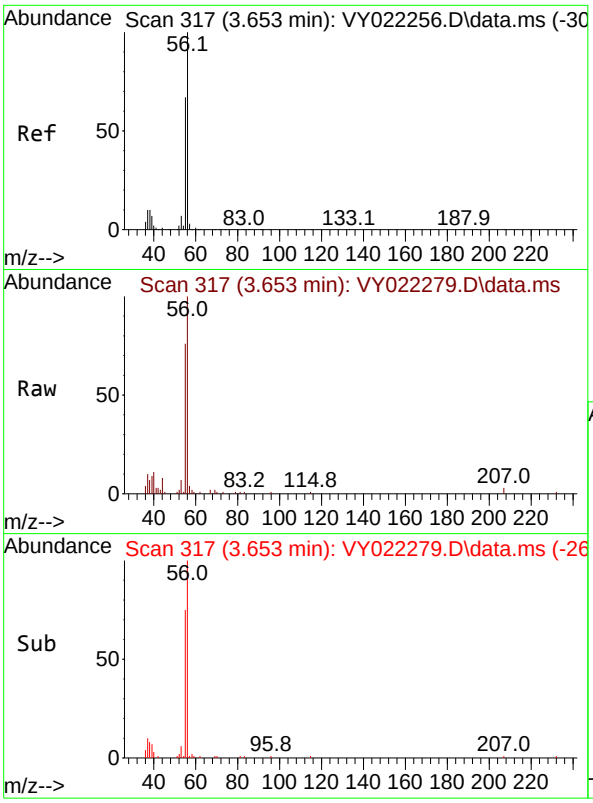


#12
1,1-Dichloroethene
Concen: 20.793 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 96 Resp: 45611

Ion	Ratio	Lower	Upper
96	100		
61	160.8	134.9	202.3
98	62.6	49.9	74.9

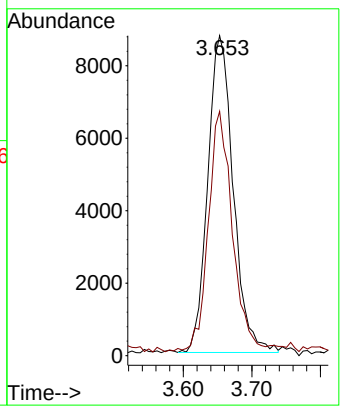




#13
Acrolein
Concen: 90.276 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 56 Resp: 2258

Ion	Ratio	Lower	Upper
56	100		
55	71.4	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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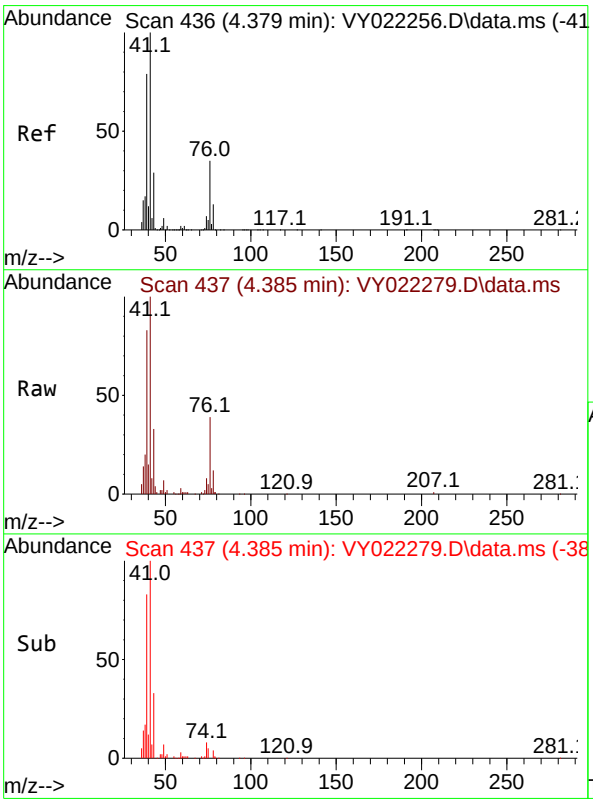
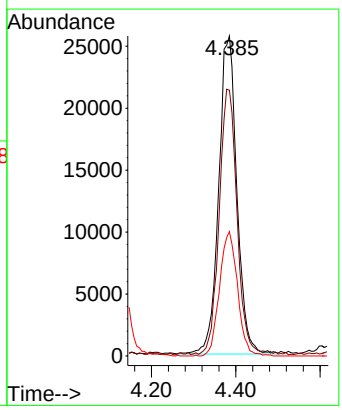
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

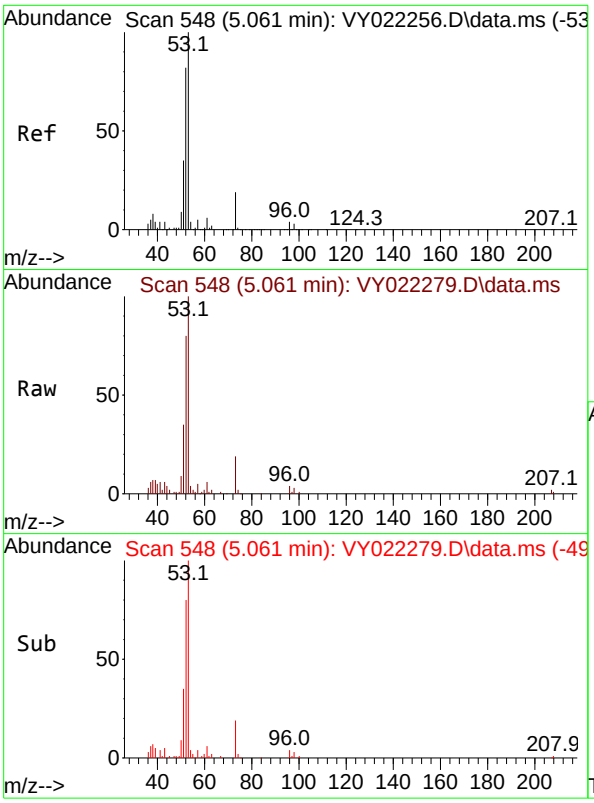


#14
Allyl chloride
Concen: 19.939 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 41 Resp: 76691

Ion	Ratio	Lower	Upper
41	100		
39	81.3	63.4	95.0
76	38.7	29.5	44.3





#15
Acrylonitrile
Concen: 97.735 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 53 Resp: 4921(

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	38.6	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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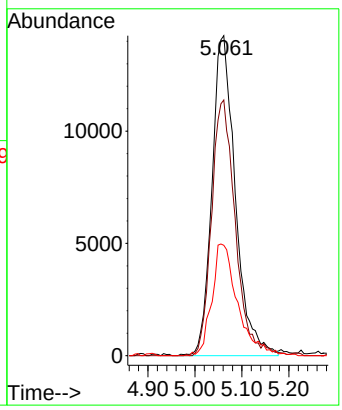
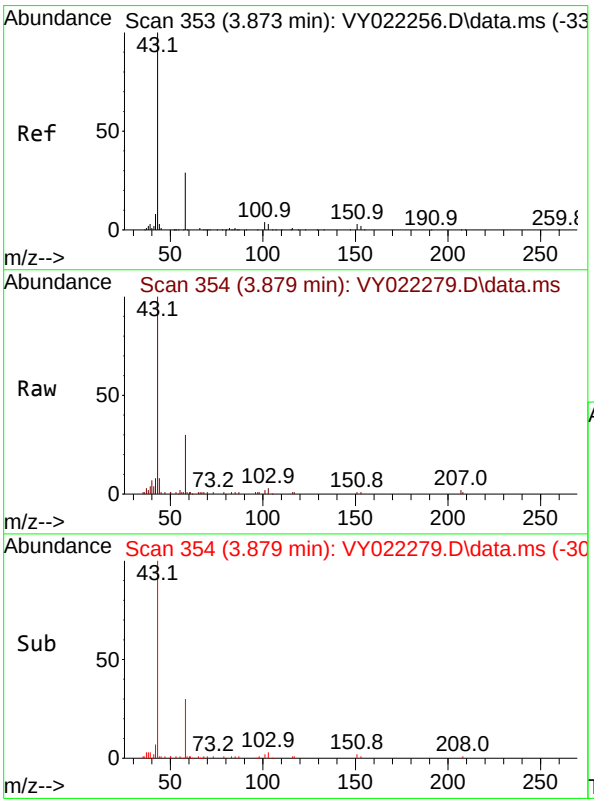
Supervised By :Semsettin Yesilyurt 05/19/2025

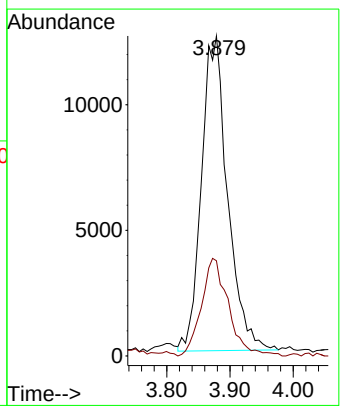


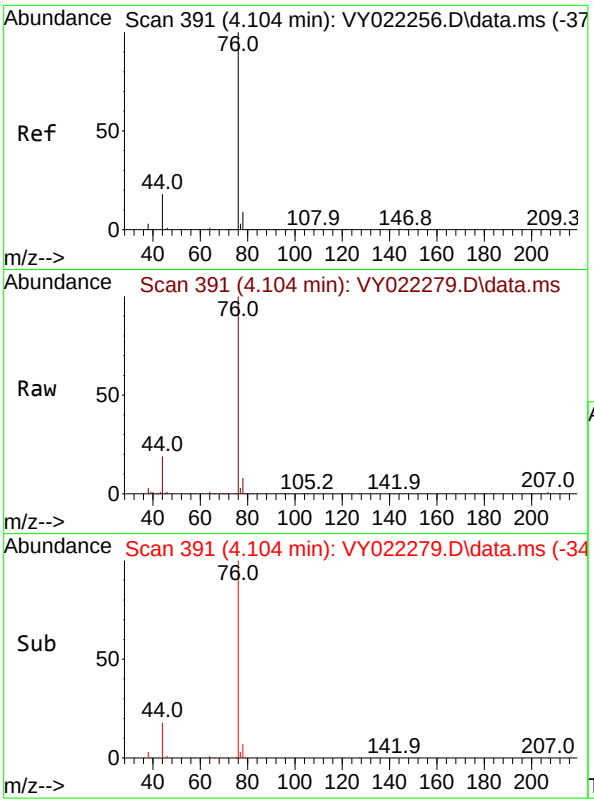


#16
Acetone
Concen: 85.545 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 35951

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.6	35.4

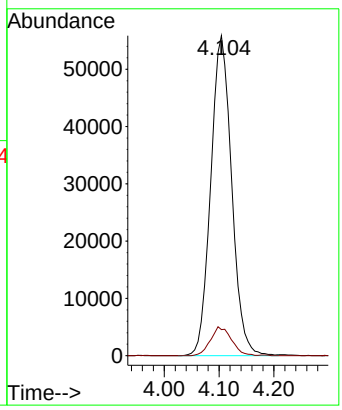




#17
Carbon Disulfide
Concen: 20.702 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 76 Resp: 14808

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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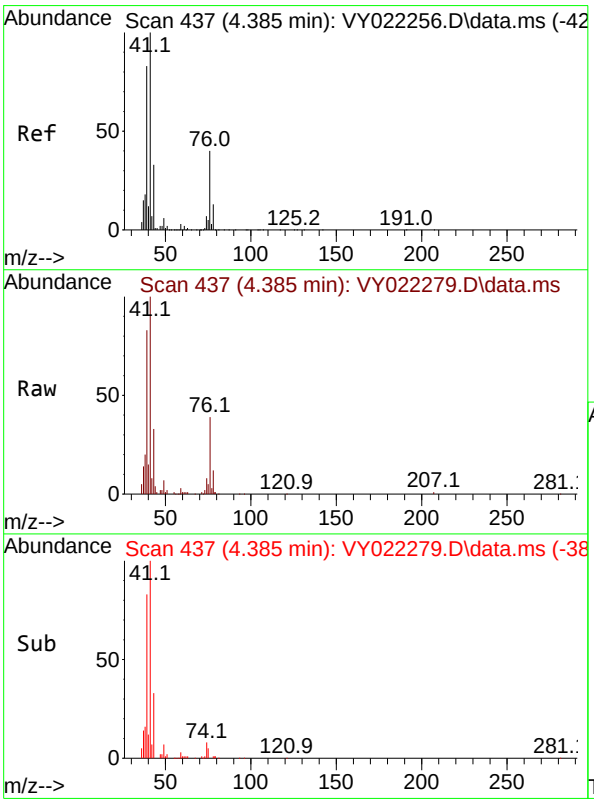
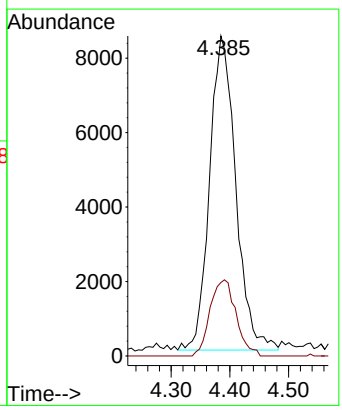
Supervised By :Semsettin Yesilyurt 05/19/2025

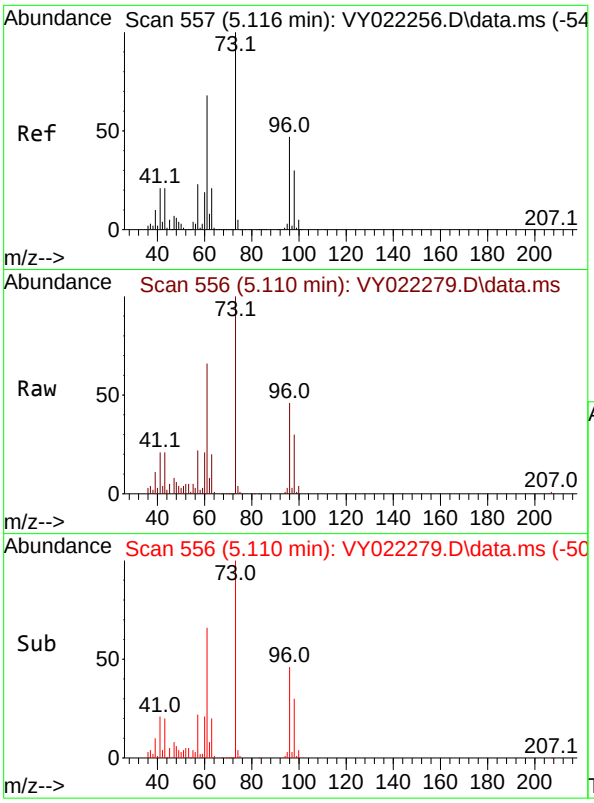


#18
Methyl Acetate
Concen: 19.757 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 26179

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.2	27.4

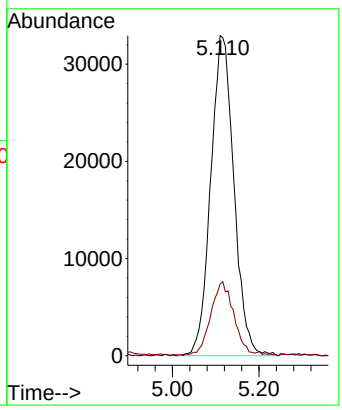




#19
Methyl tert-butyl Ether
Concen: 20.286 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 73 Resp: 12269

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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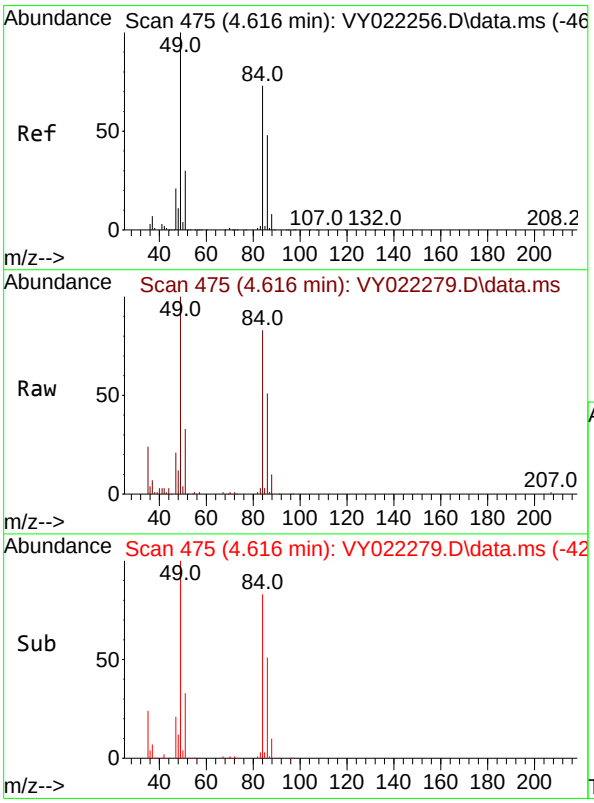
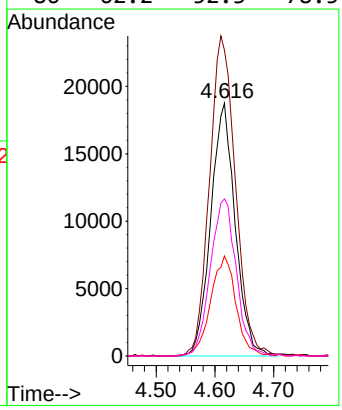
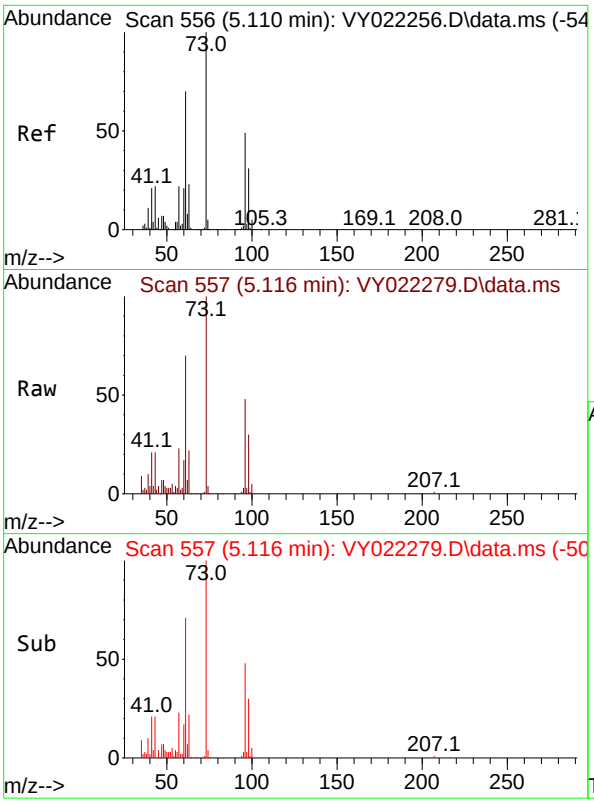


#20
Methylene Chloride
Concen: 19.987 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 84 Resp: 54277

Ion	Ratio	Lower	Upper
84	100		
49	120.7	109.6	164.4
51	39.3	32.4	48.6
86	62.2	52.3	78.5

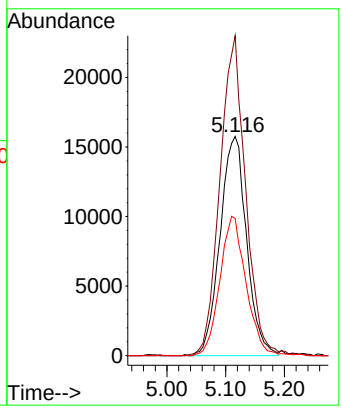




#21
trans-1,2-Dichloroethene
Concen: 20.457 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 96 Resp: 4953

Ion	Ratio	Lower	Upper
96	100		
61	146.0	113.4	170.0
98	62.6	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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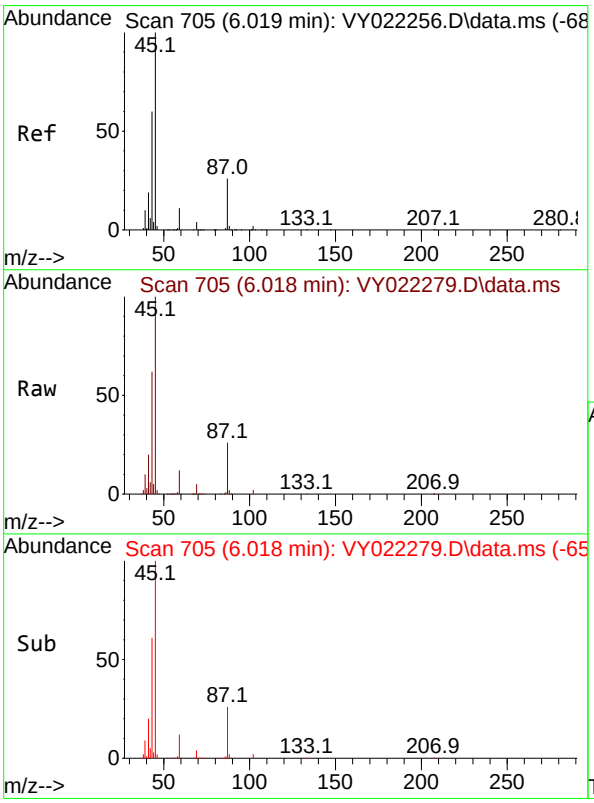
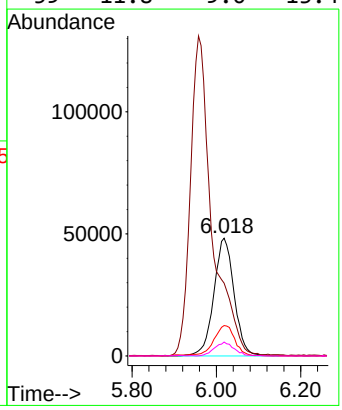
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

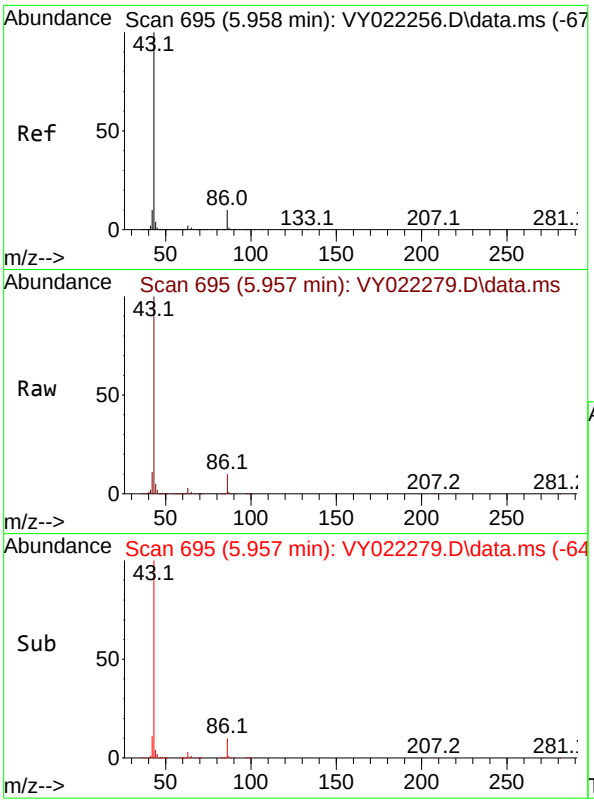


#22
Diisopropyl ether
Concen: 19.788 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 45 Resp: 160728

Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.2	72.2
87	25.7	21.4	32.0
59	11.8	9.0	13.4

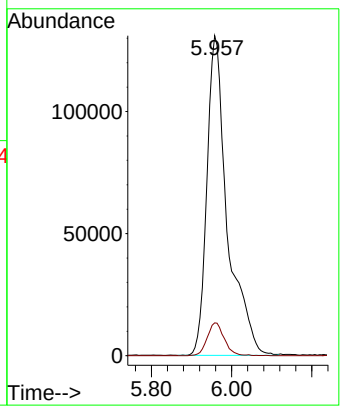




#23
Vinyl Acetate
Concen: 94.709 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 46475

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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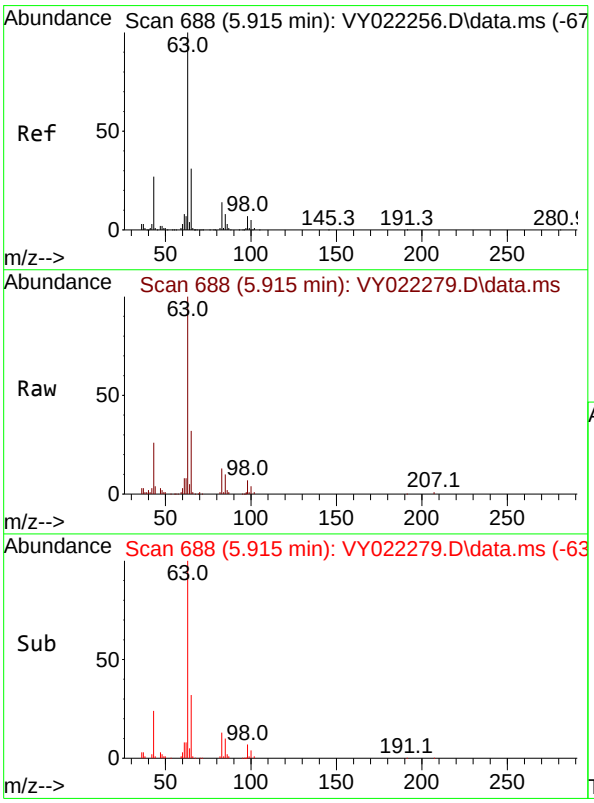
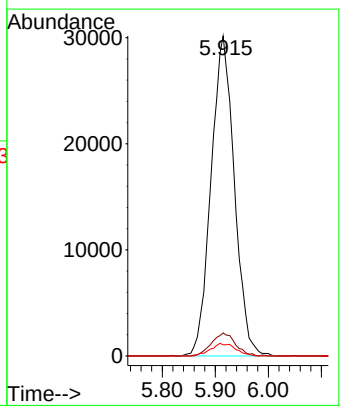
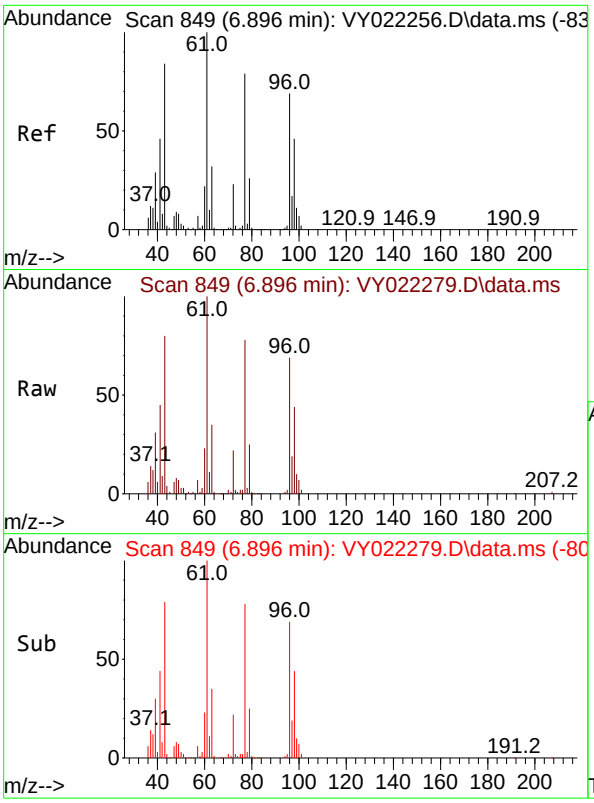


#24
1,1-Dichloroethane
Concen: 20.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 63 Resp: 92075

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	3.5	2.4	7.2





#25
2-Butanone
Concen: 91.546 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 6435

Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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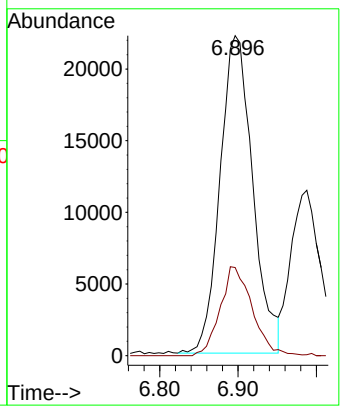
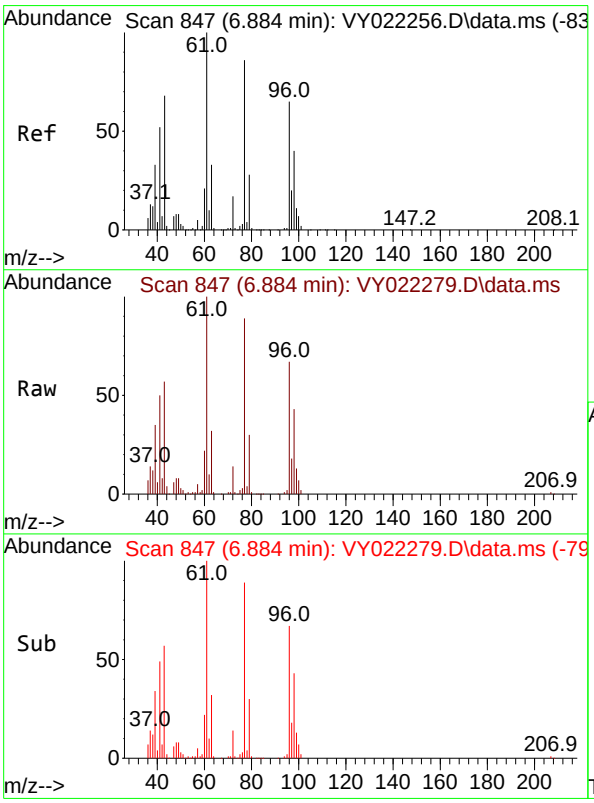
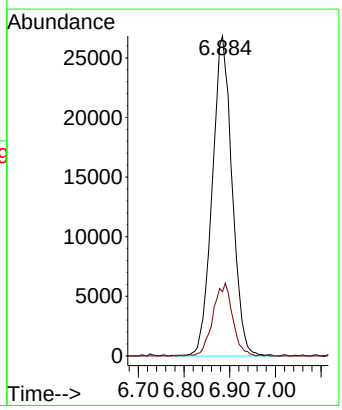


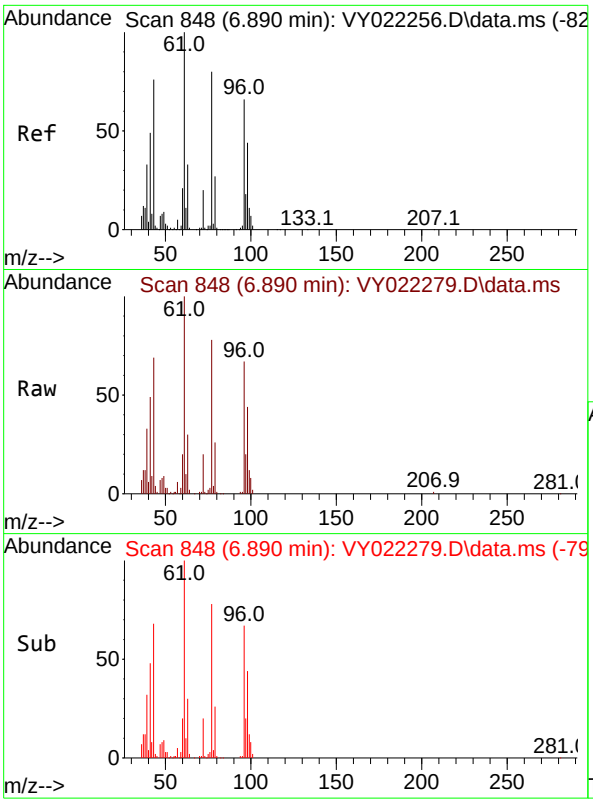


#26
2,2-Dichloropropane
Concen: 20.039 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 77 Resp: 80883

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 20.572 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 96 Resp: 5748(

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	302.6
98	64.6	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/19/2025
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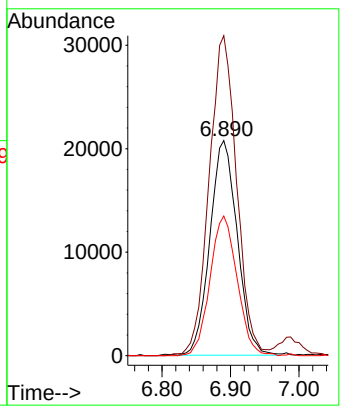
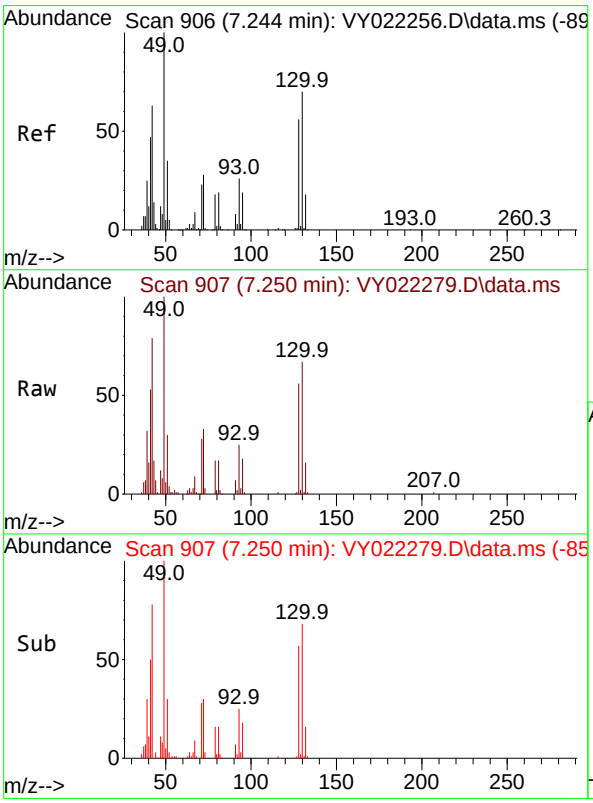
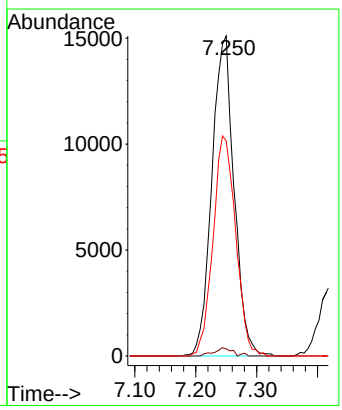


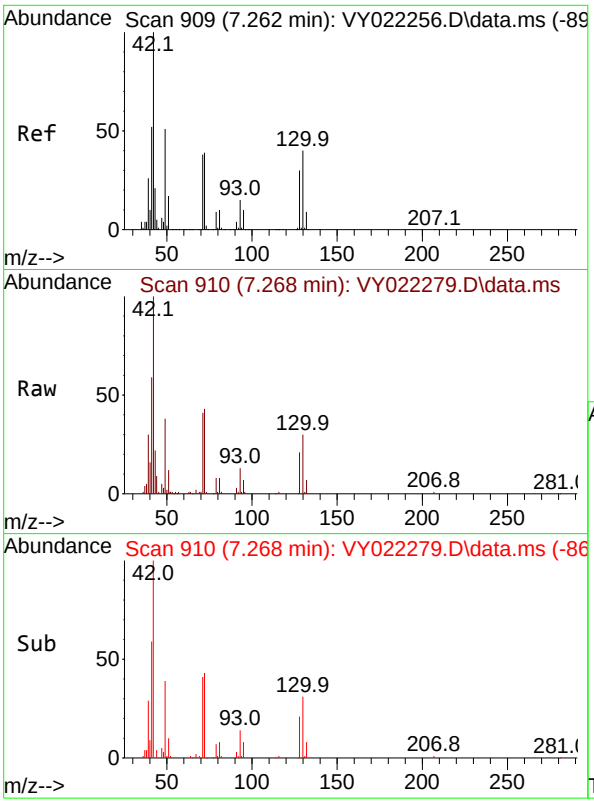


#28
Bromochloromethane
Concen: 19.722 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 49 Resp: 38175

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	70.3	54.7	82.1

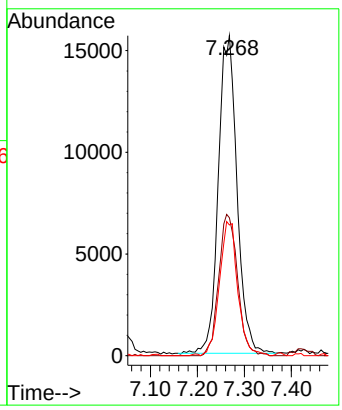




#29
Tetrahydrofuran
Concen: 95.450 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 42 Resp: 4316

Ion	Ratio	Lower	Upper
42	100		
72	44.9	33.8	50.6
71	41.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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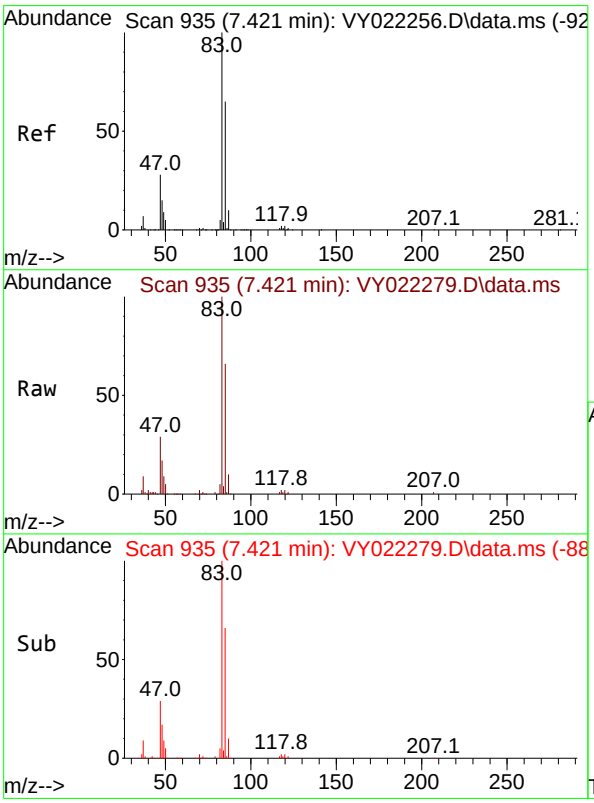
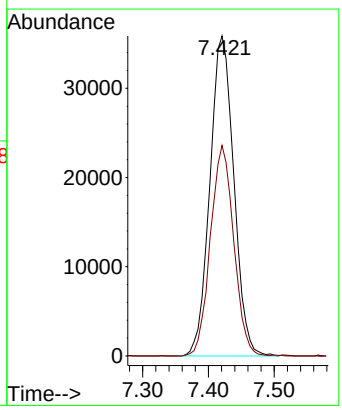
Supervised By :Semsettin Yesilyurt 05/19/2025

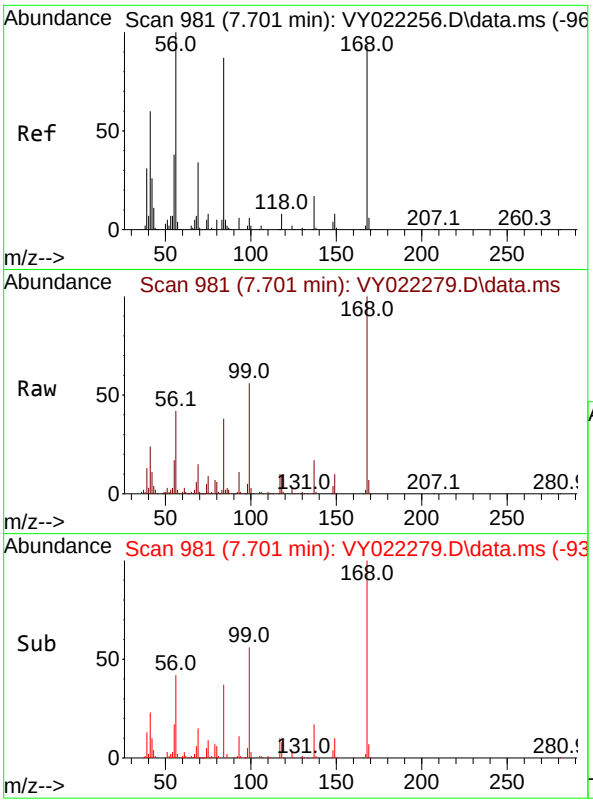


#30
Chloroform
Concen: 20.889 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 90925

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8





#31
Cyclohexane
Concen: 19.756 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 56 Resp: 8957

Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.4	41.2
84	90.5	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
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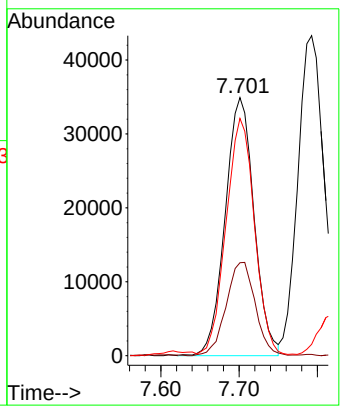
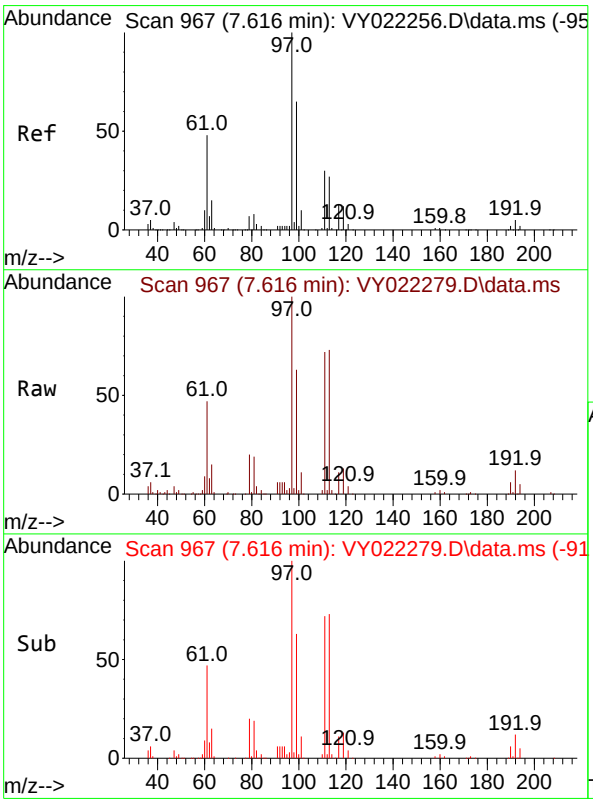
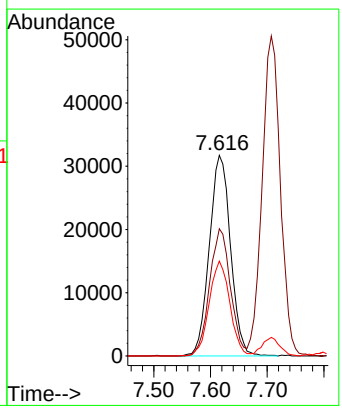


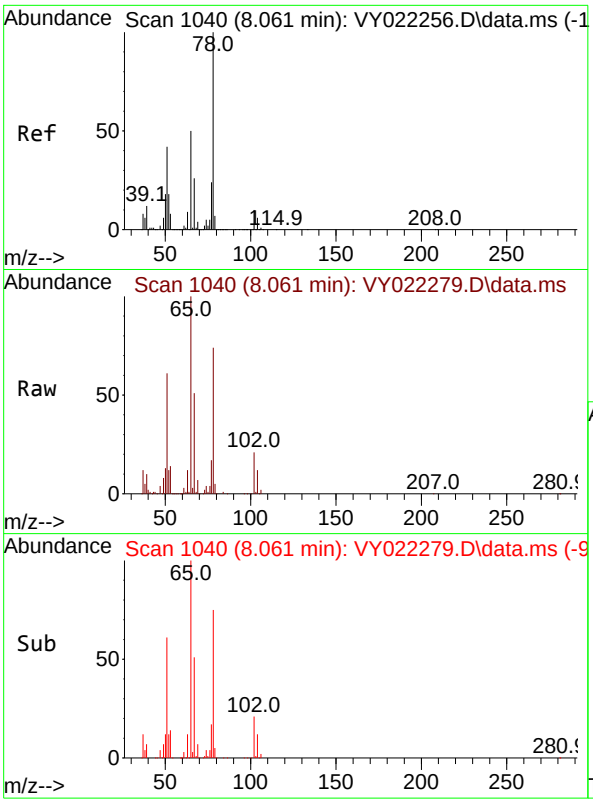


#32
1,1,1-Trichloroethane
Concen: 20.641 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 97 Resp: 82428

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	46.2	38.1	57.1

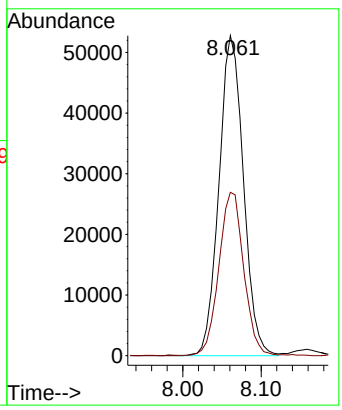




#33
1,2-Dichloroethane-d4
Concen: 51.121 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 65 Resp: 11457

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



Instrument :
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ClientSampleId :
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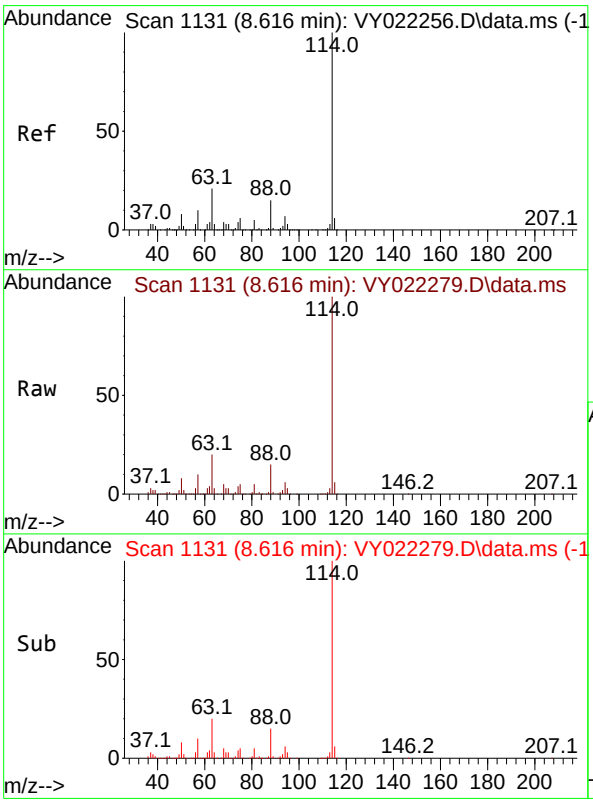
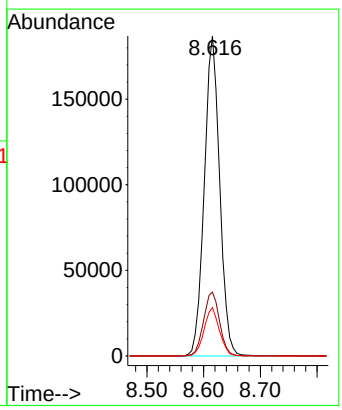
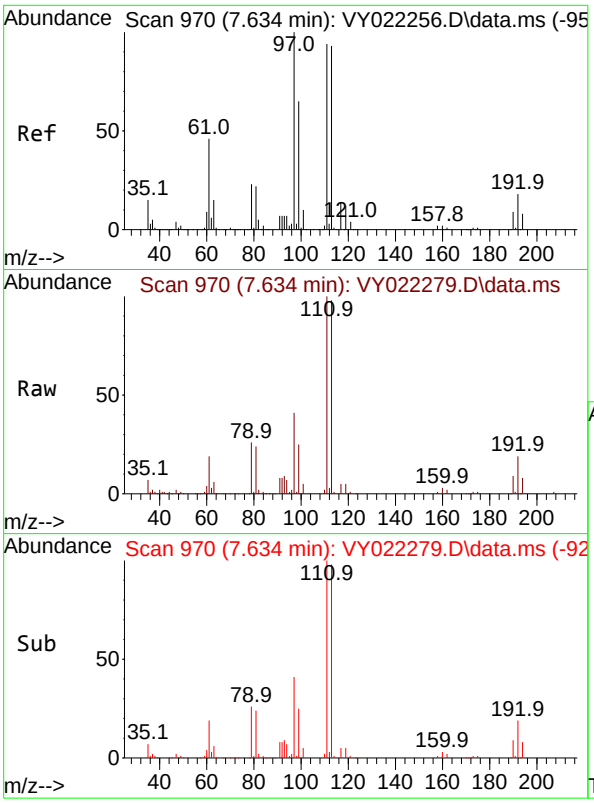


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:114 Resp: 351708

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.0
88	15.1	0.0	29.4

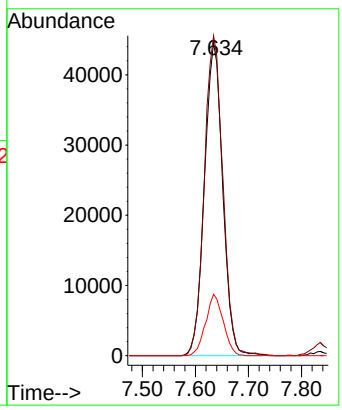




#35
Dibromofluoromethane
Concen: 50.809 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:113 Resp: 10665

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.0	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
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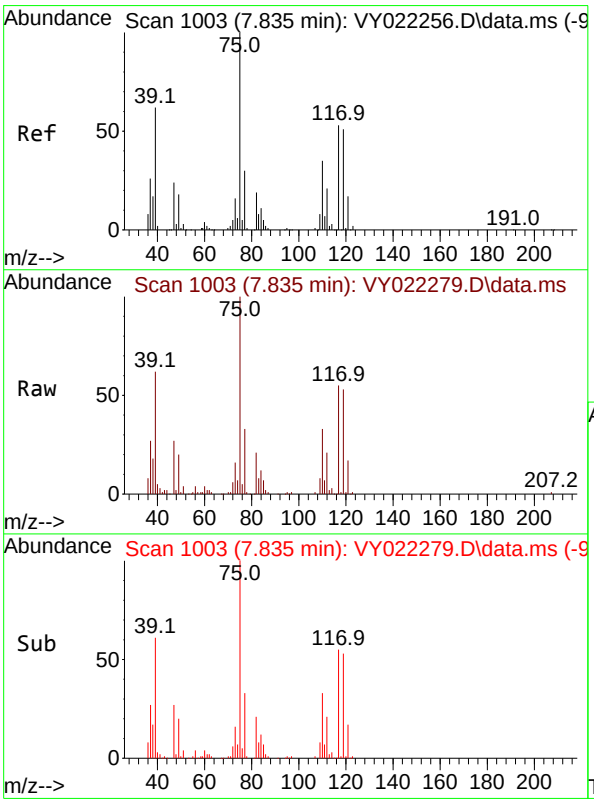
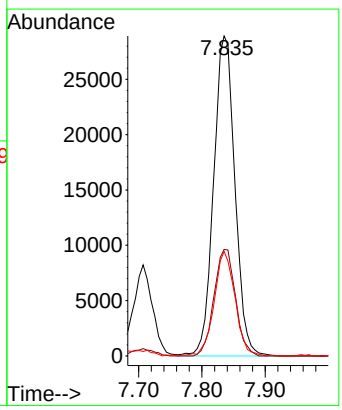
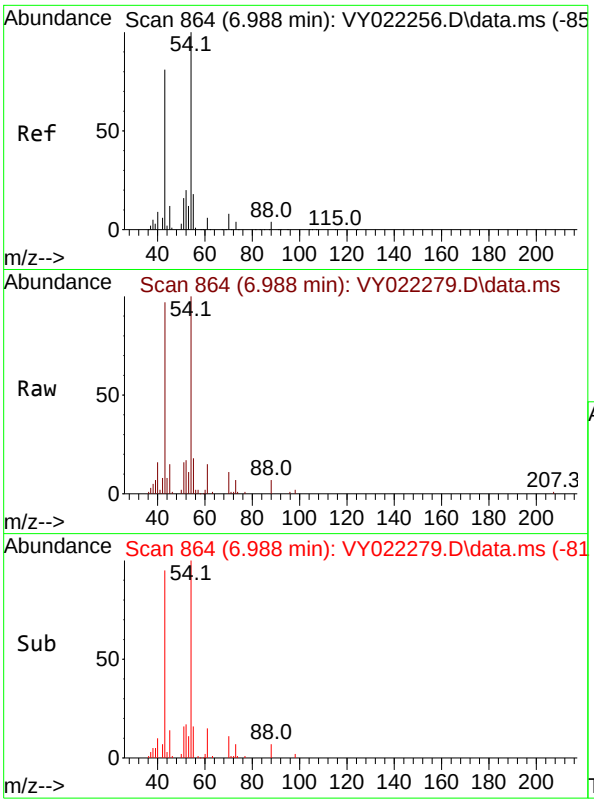


#36
1,1-Dichloropropene
Concen: 19.498 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 67416

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.6	49.8
77	32.0	24.6	37.0





#37
Ethyl Acetate
Concen: 18.206 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 3028

Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.2	15.2
70	10.9	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
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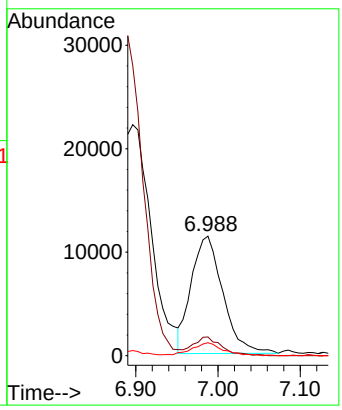
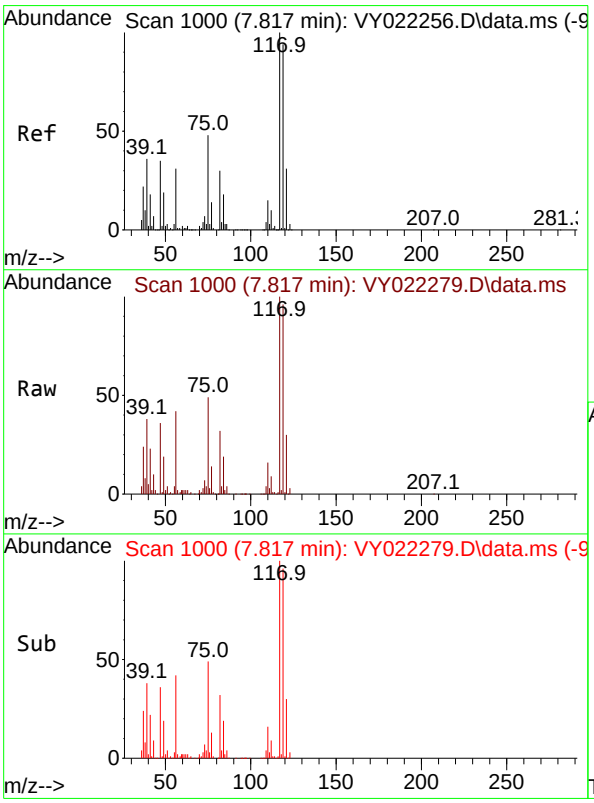
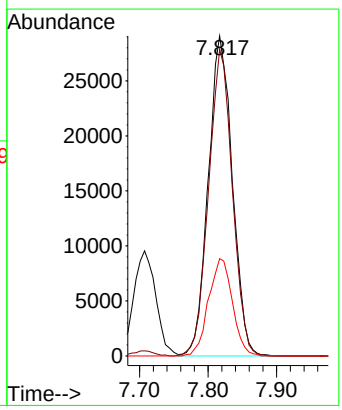


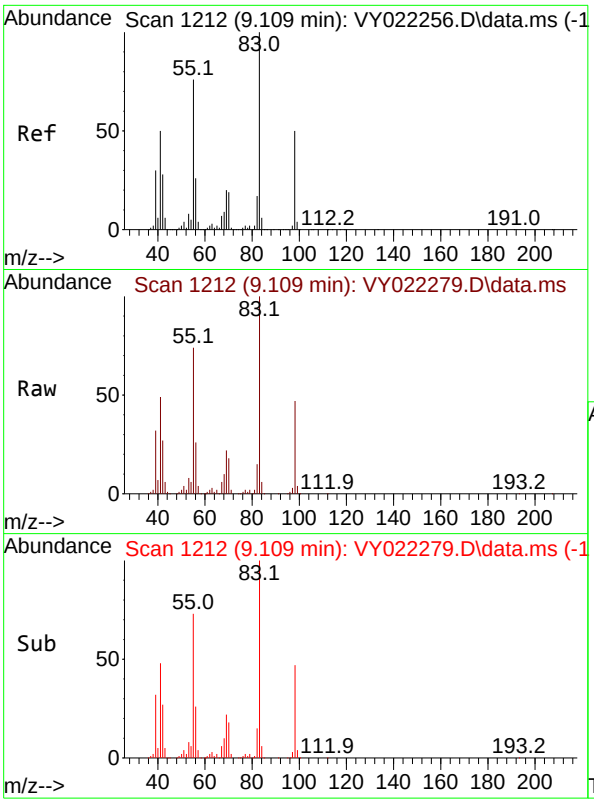


#38
Carbon Tetrachloride
Concen: 19.833 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 70982

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	30.4	24.7	37.1





#39
Methylcyclohexane
Concen: 19.583 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 9096

Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.6	90.8
98	46.6	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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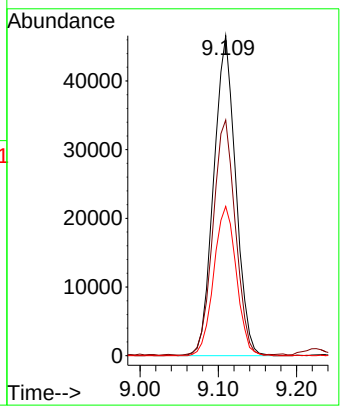
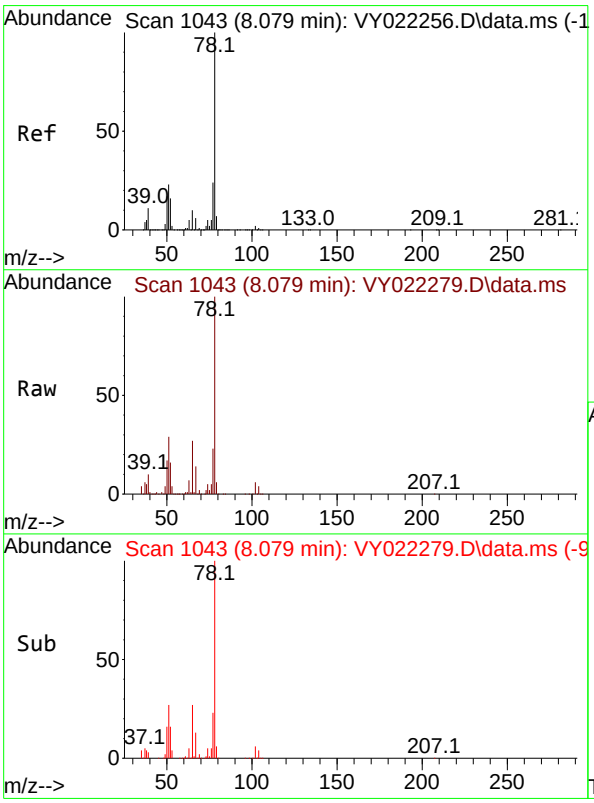
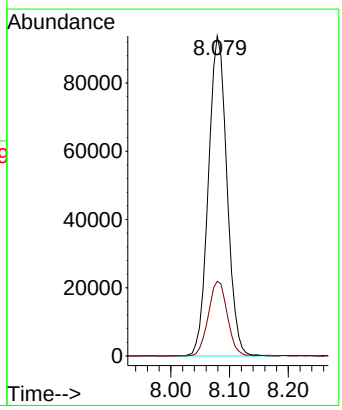


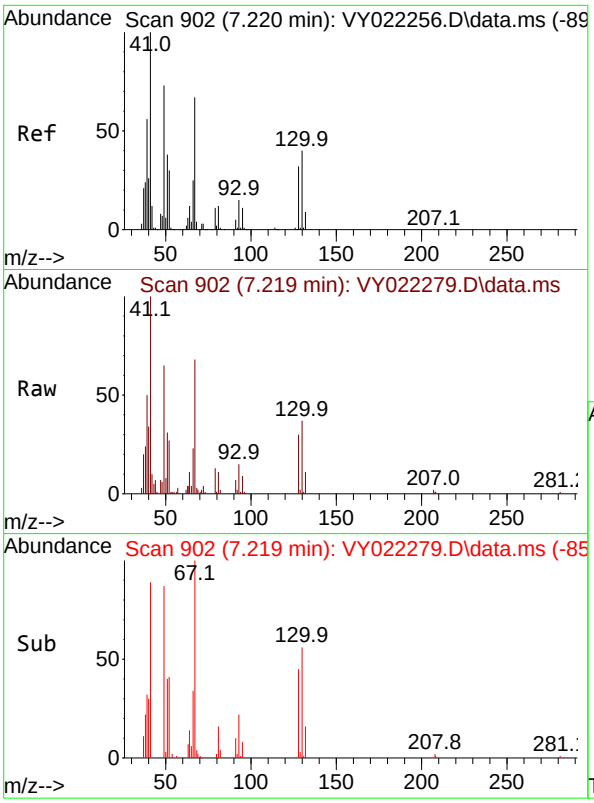


#40
Benzene
Concen: 20.100 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 78 Resp: 206032

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3

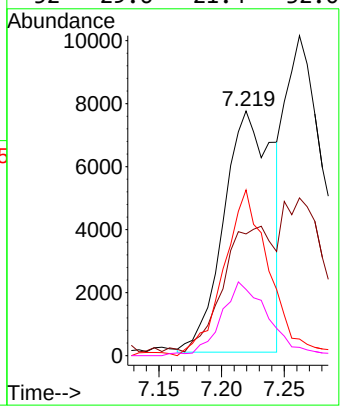




#41
Methacrylonitrile
Concen: 18.760 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 41 Resp: 2070

Ion	Ratio	Lower	Upper
41	100		
39	53.7	39.1	58.7
67	64.4	47.1	70.7
52	29.6	21.4	32.0



Instrument :
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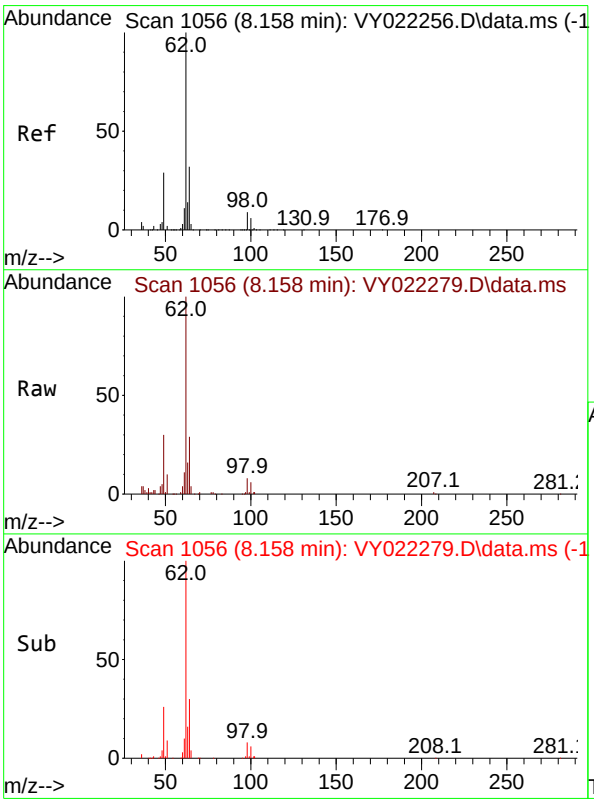
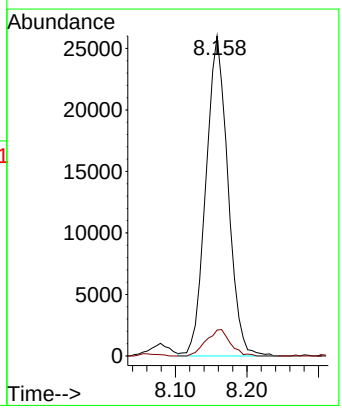
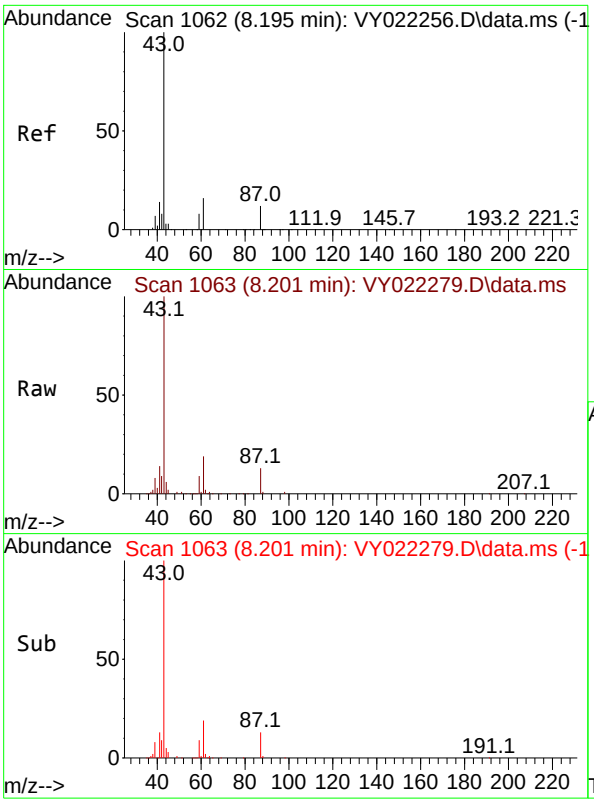


#42
1,2-Dichloroethane
Concen: 20.081 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 55663

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43
Isopropyl Acetate
Concen: 18.350 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 6657

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	12.1	9.7	14.5

Instrument :
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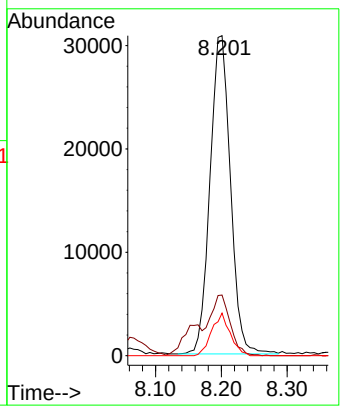
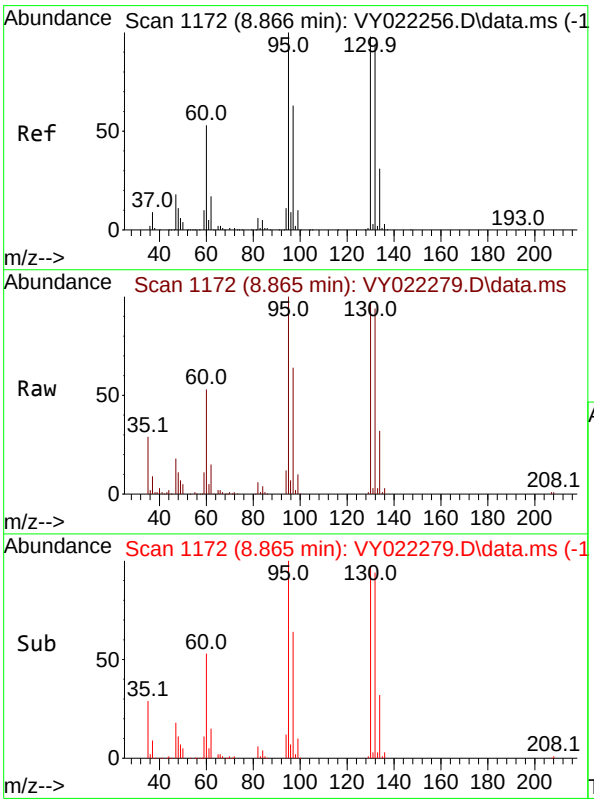
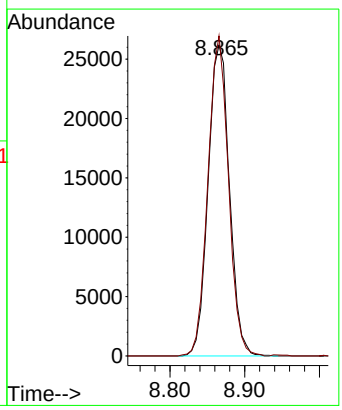


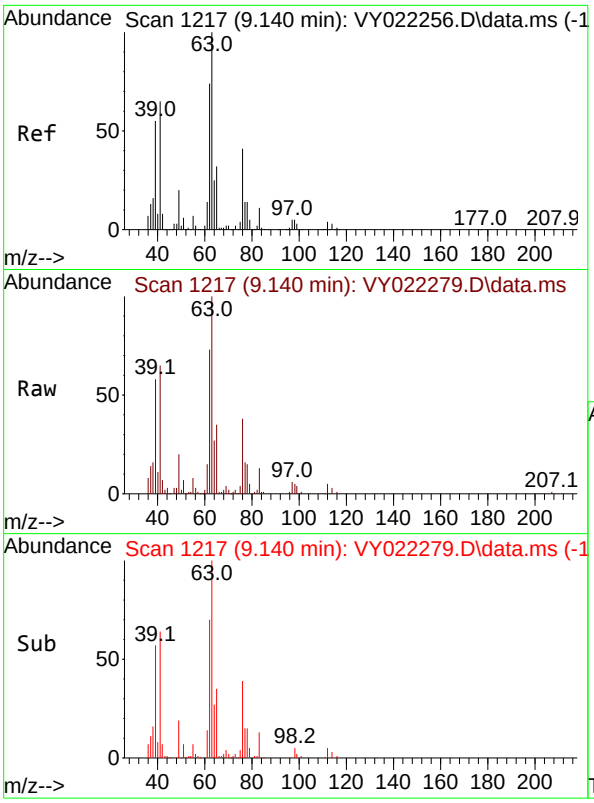


#44
Trichloroethene
Concen: 20.403 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:130 Resp: 52001

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	204.8

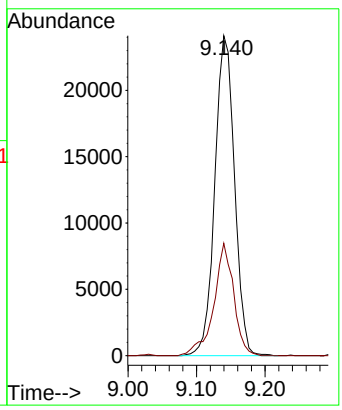




#45
1,2-Dichloropropane
Concen: 19.433 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 63 Resp: 4802

Ion	Ratio	Lower	Upper
63	100		
65	35.1	25.7	38.5



Instrument :
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ClientSampleId :
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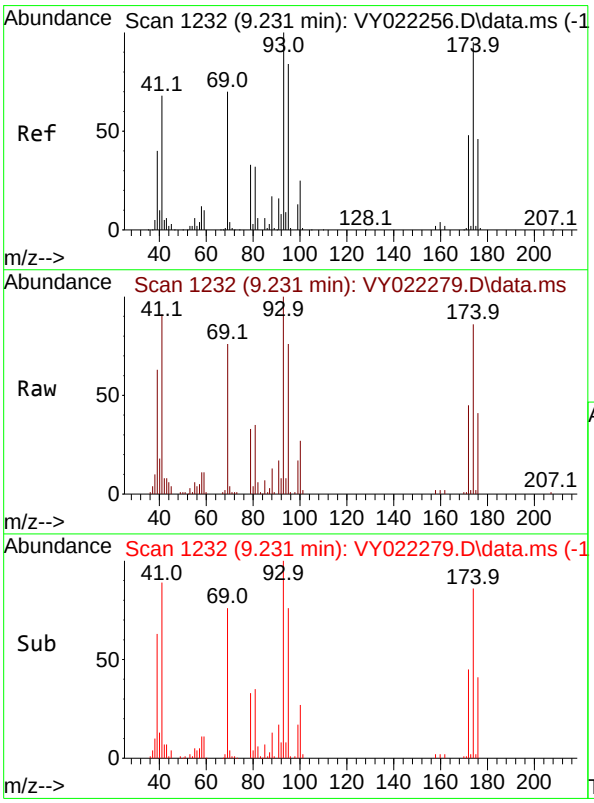
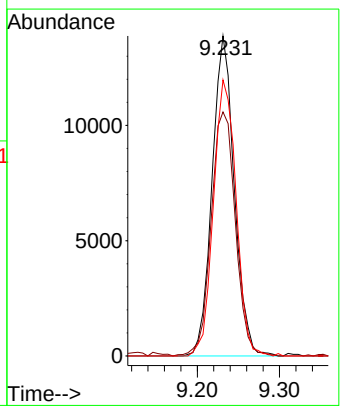
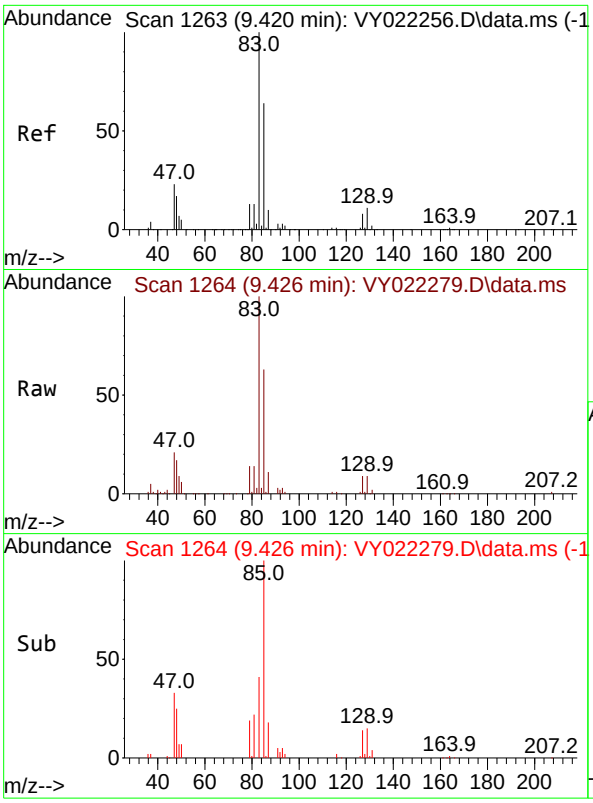


#46
Dibromomethane
Concen: 19.529 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 93 Resp: 26030

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.2	97.8
174	88.1	74.3	111.5

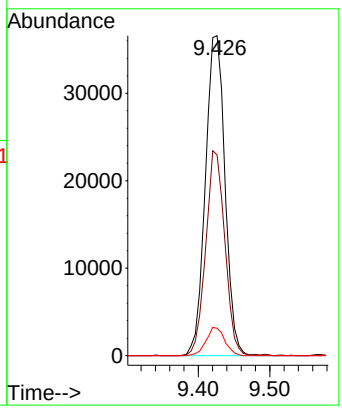




#47
Bromodichloromethane
Concen: 20.153 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 6968

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	8.6	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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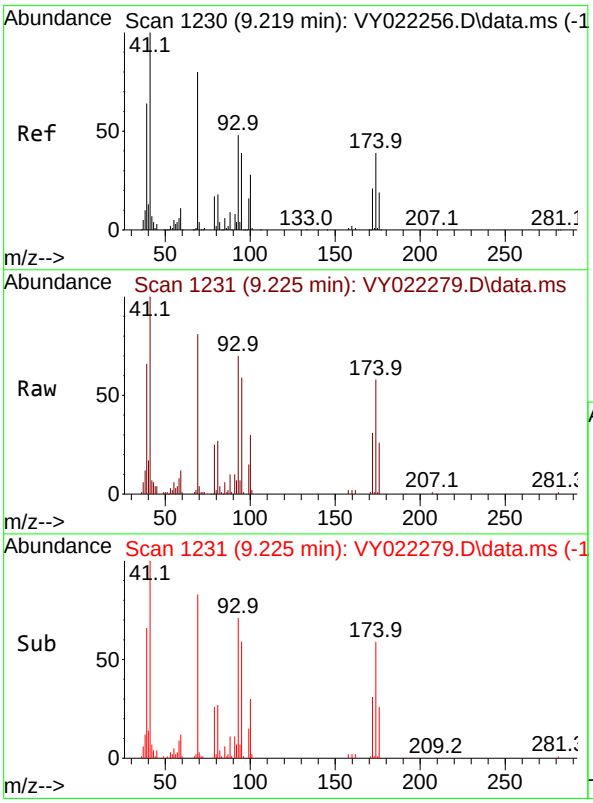
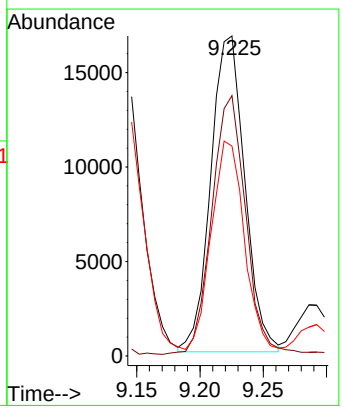
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

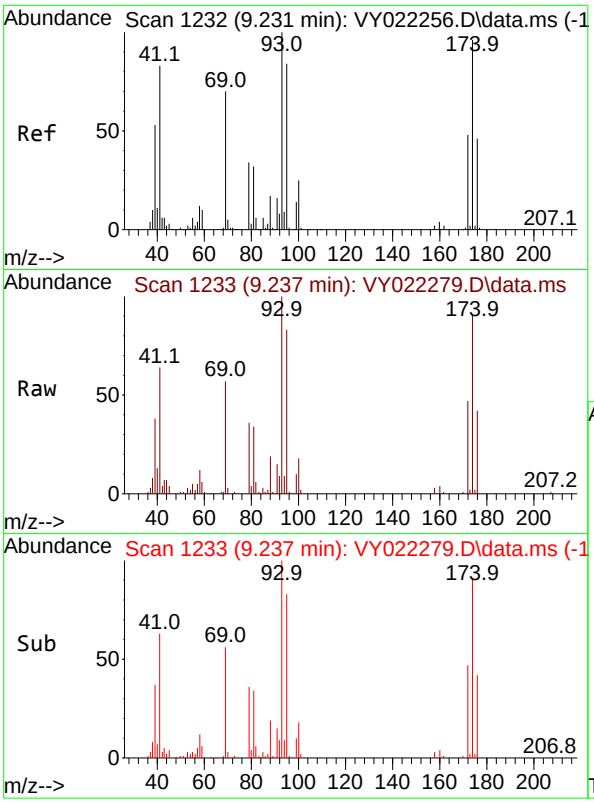


#48
Methyl methacrylate
Concen: 18.429 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 41 Resp: 31270

Ion	Ratio	Lower	Upper
41	100		
69	81.4	63.5	95.3
39	63.7	50.8	76.2

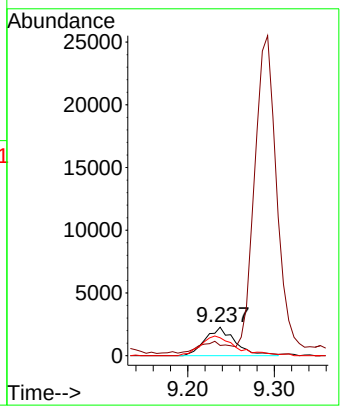




#49
1,4-Dioxane
Concen: 361.945 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 88 Resp: 545

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.5	42.7
58	82.6	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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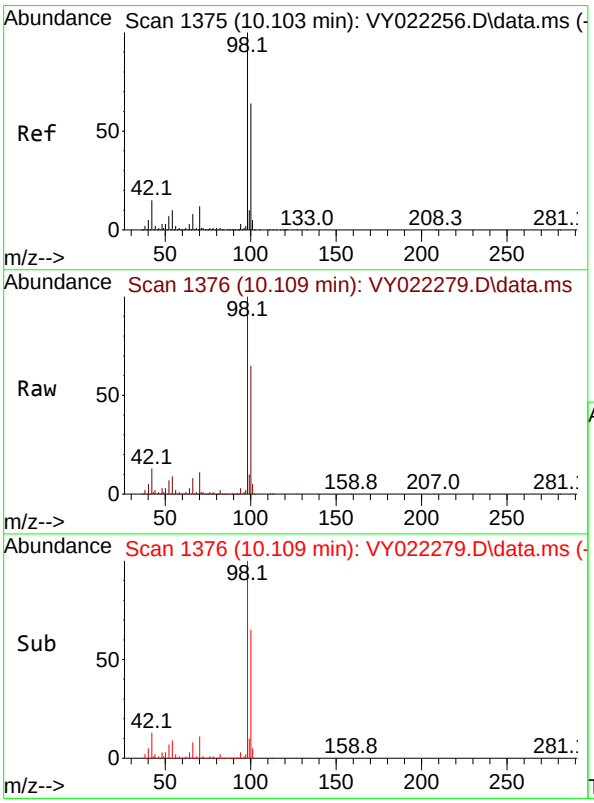
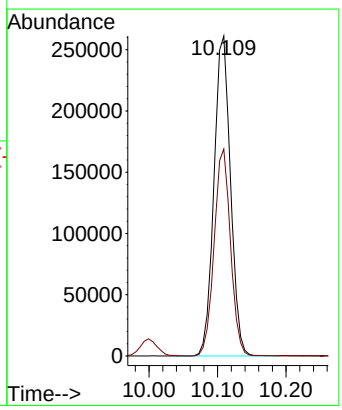
Supervised By :Semsettin Yesilyurt 05/19/2025

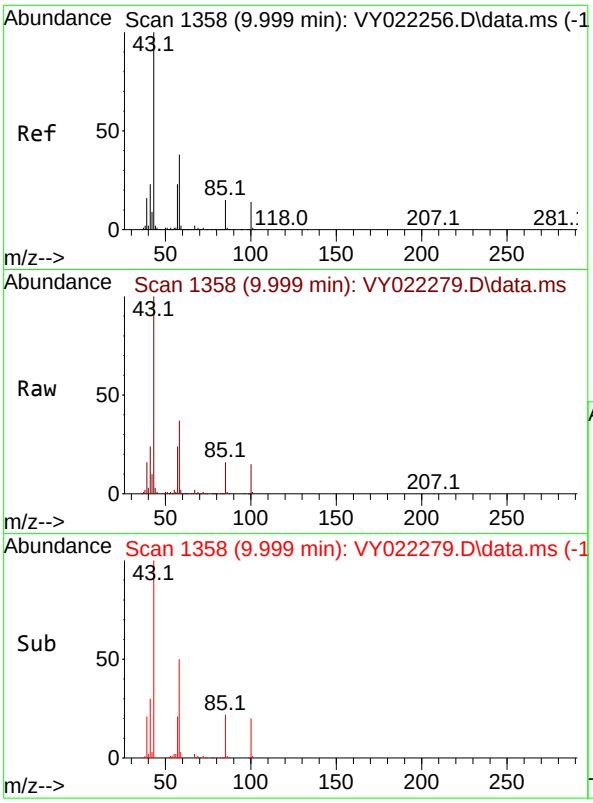


#50
Toluene-d8
Concen: 50.903 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 98 Resp: 437632

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#51
4-Methyl-2-Pentanone
Concen: 90.873 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 16177

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.4	44.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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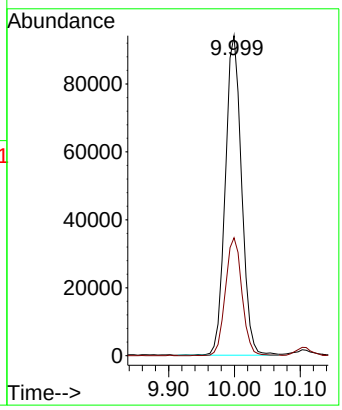
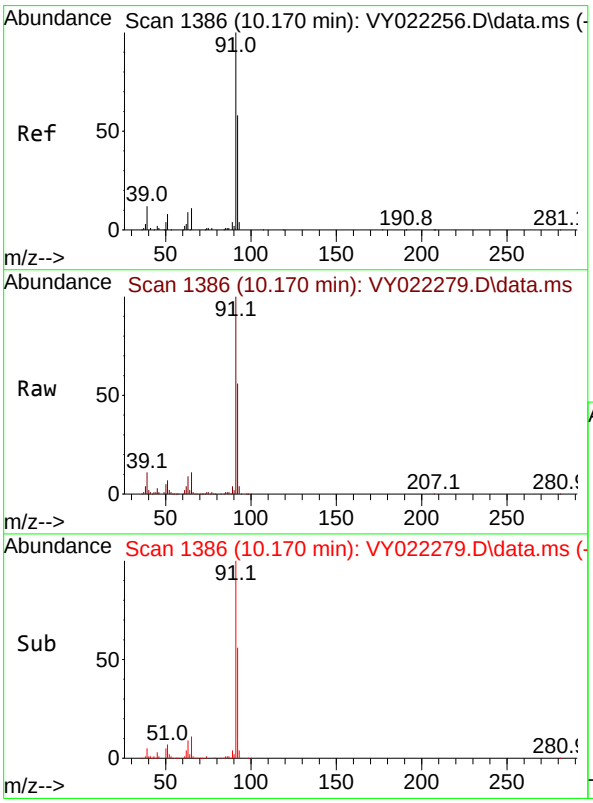
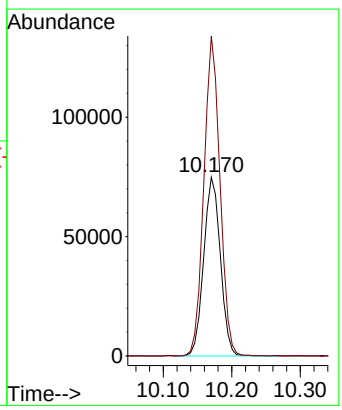


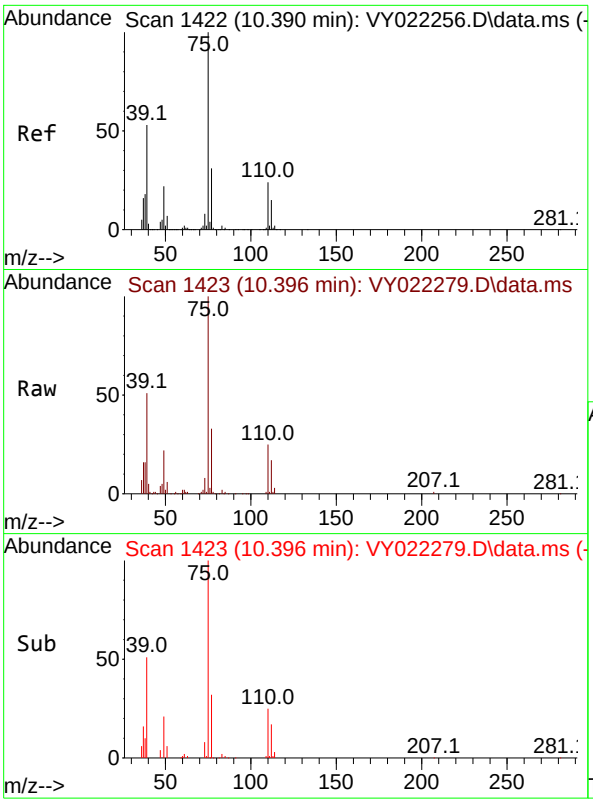


#52
Toluene
Concen: 19.501 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 92 Resp: 126577

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.1	208.7

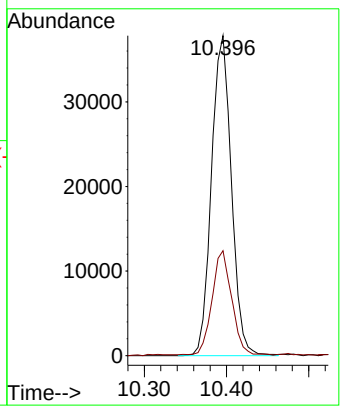




#53
t-1,3-Dichloropropene
Concen: 18.860 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 6364

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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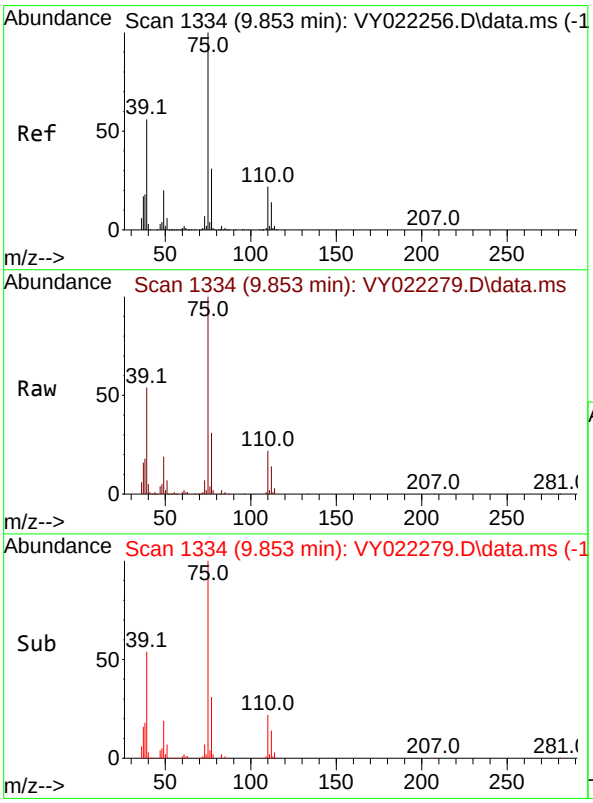
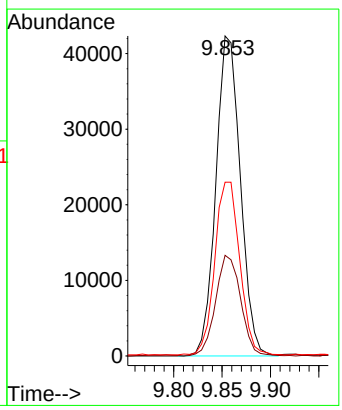
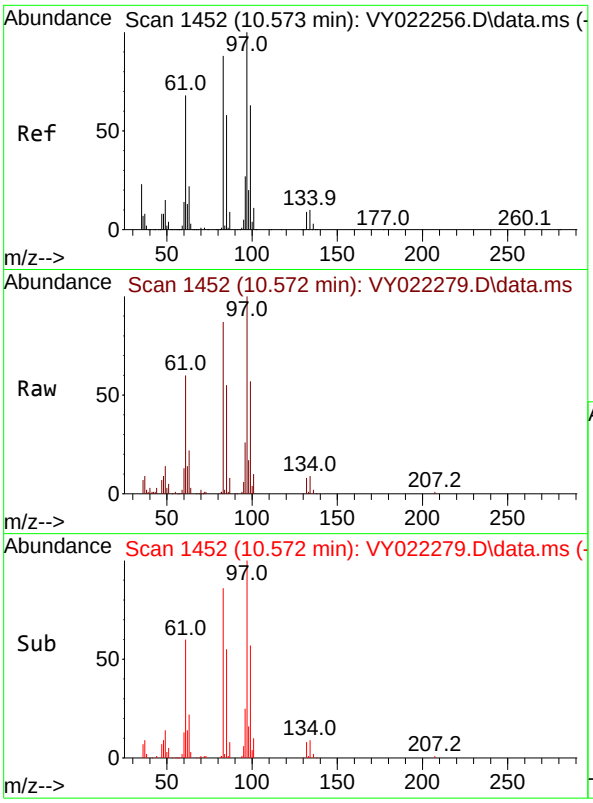


#54
cis-1,3-Dichloropropene
Concen: 19.261 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 74469

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	54.0	44.5	66.7

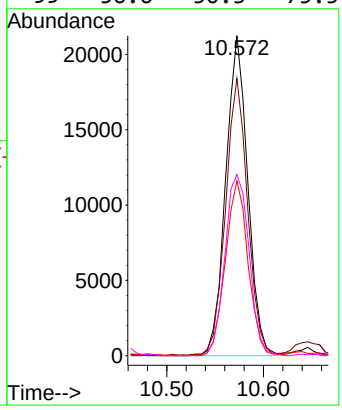




#55
1,1,2-Trichloroethane
Concen: 19.714 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 97 Resp: 3364

Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.3	105.5
85	54.7	46.2	69.4
99	56.6	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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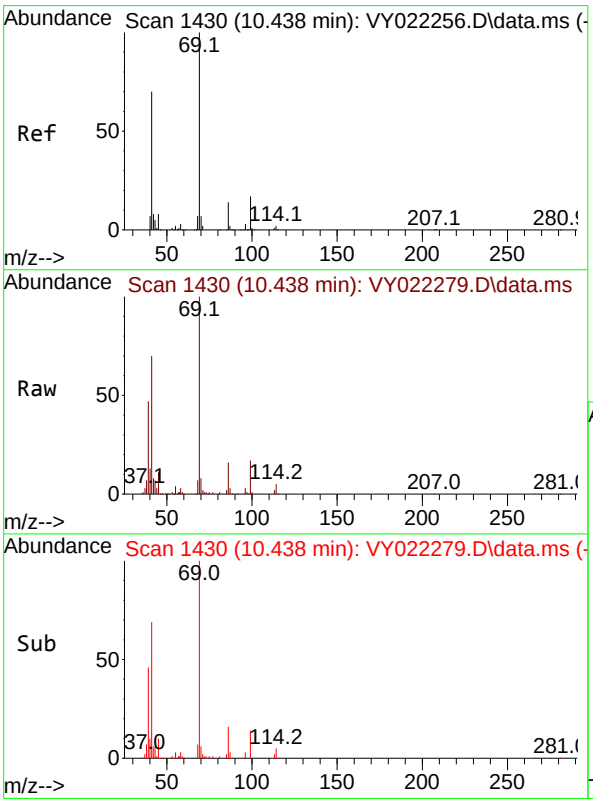
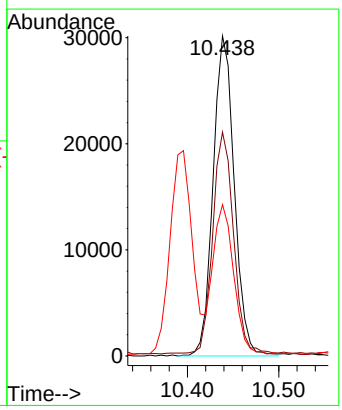
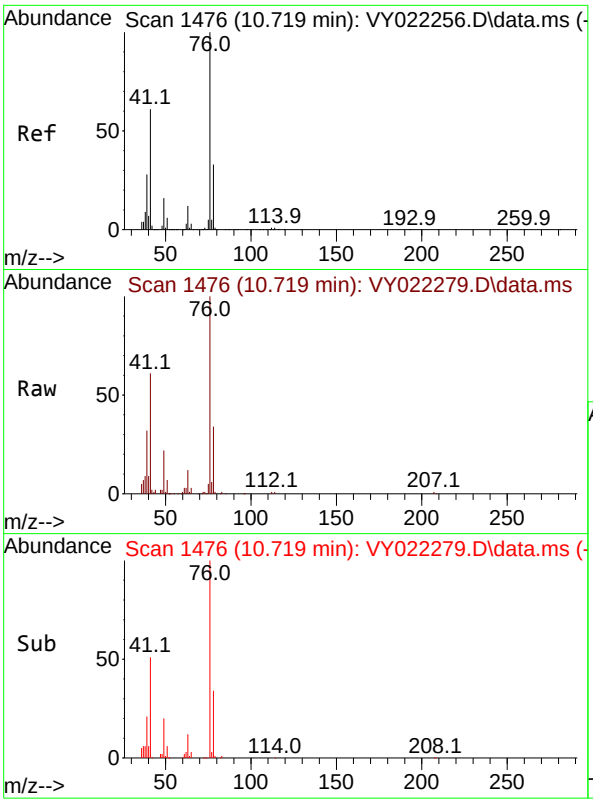


#56
Ethyl methacrylate
Concen: 18.299 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 69 Resp: 48650

Ion	Ratio	Lower	Upper
69	100		
41	68.1	56.5	84.7
39	44.5	37.1	55.7





#57
1,3-Dichloropropane
Concen: 19.185 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 76 Resp: 5817

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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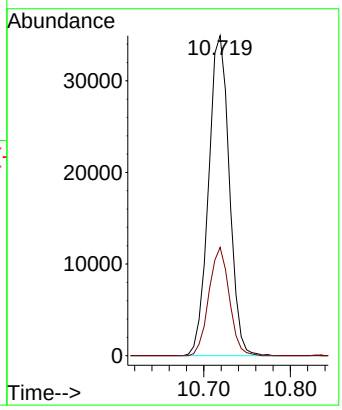
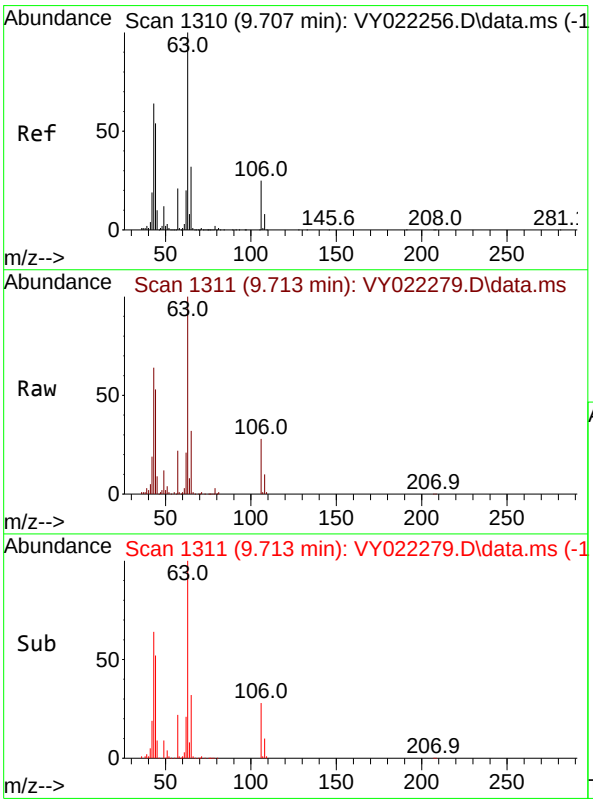
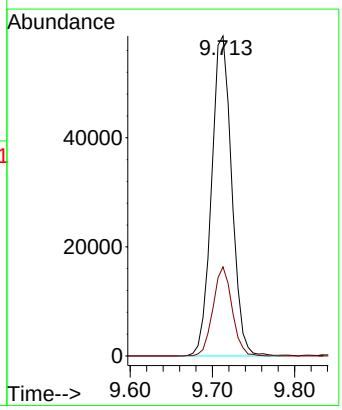


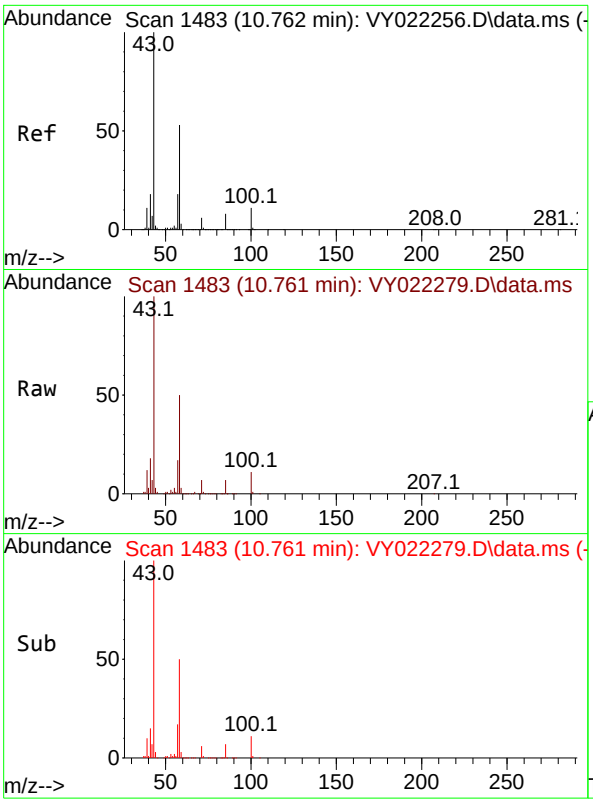


#58
2-Chloroethyl Vinyl ether
Concen: 83.786 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 63 Resp: 99985

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.4





#59
2-Hexanone
Concen: 89.217 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 10649

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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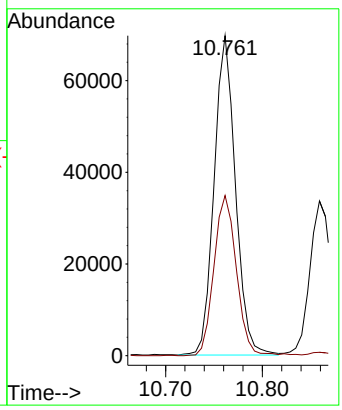
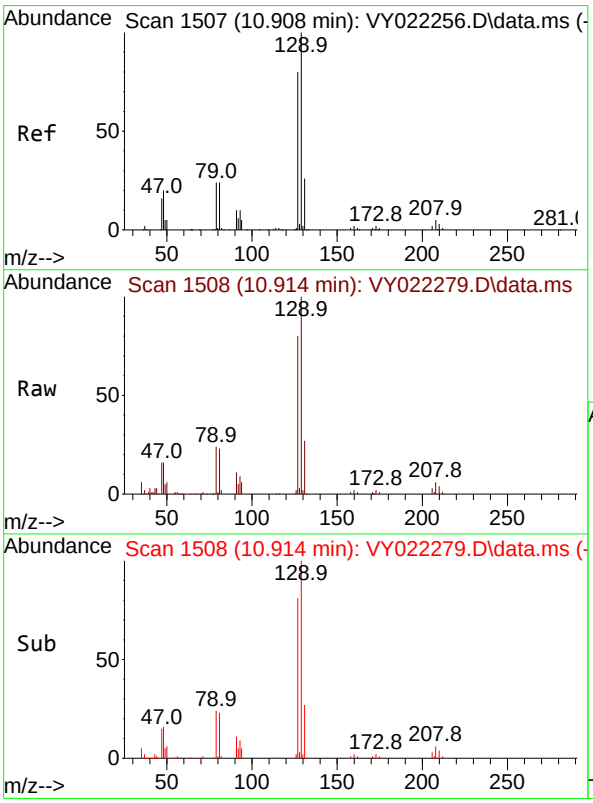
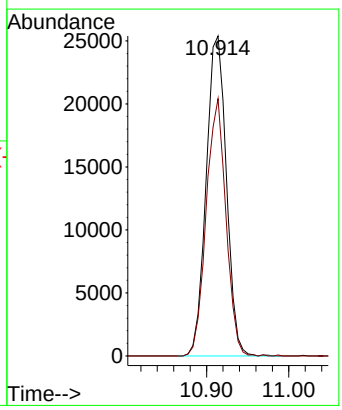


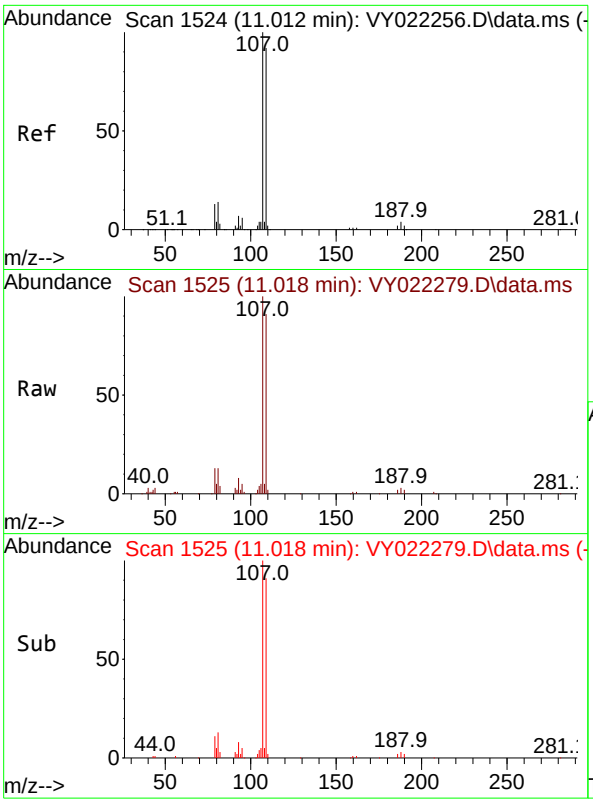


#60
Dibromochloromethane
Concen: 19.586 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:129 Resp: 43390

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7

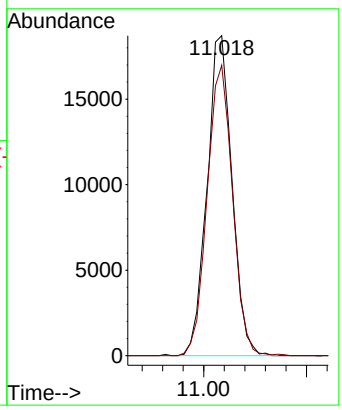




#61
1,2-Dibromoethane
Concen: 19.811 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:107 Resp: 3151

Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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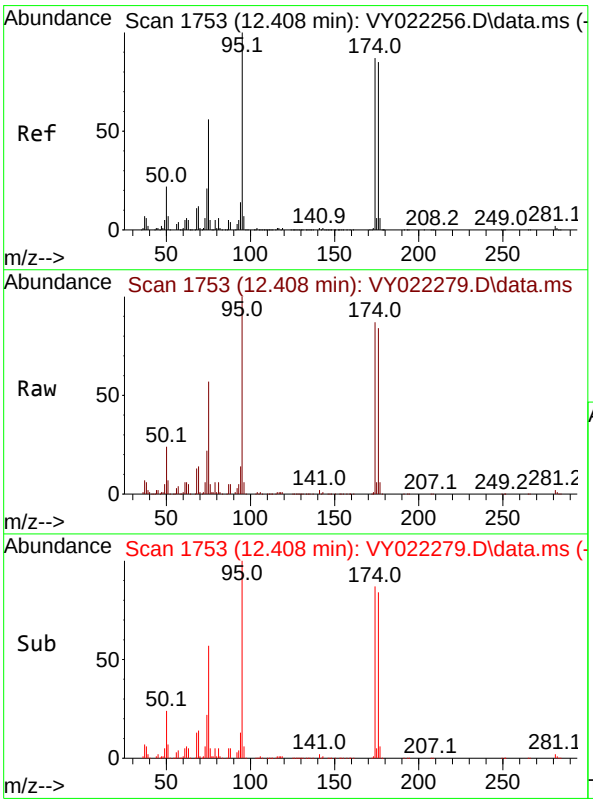
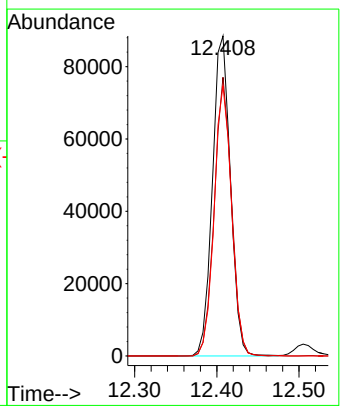
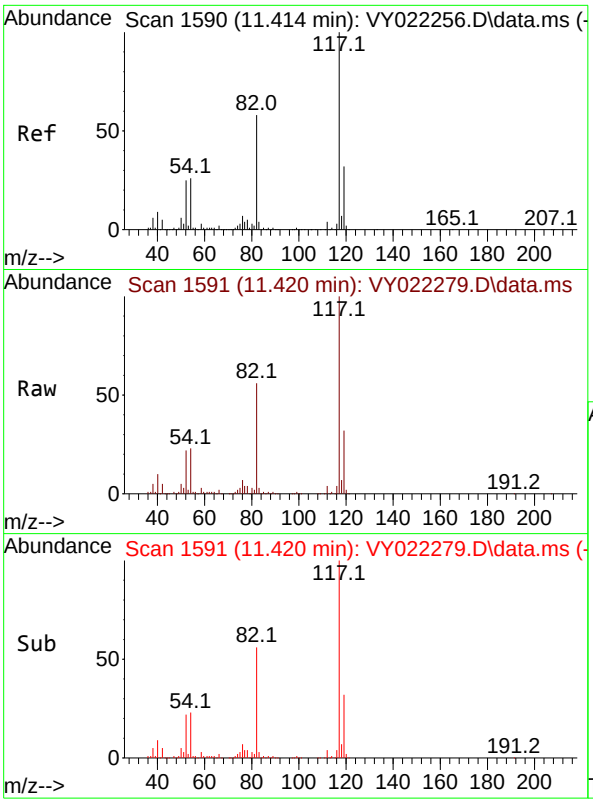


#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 95 Resp: 134691

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.8
176	82.1	0.0	160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 30012

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	31.6	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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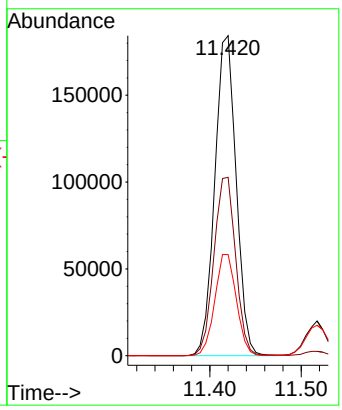
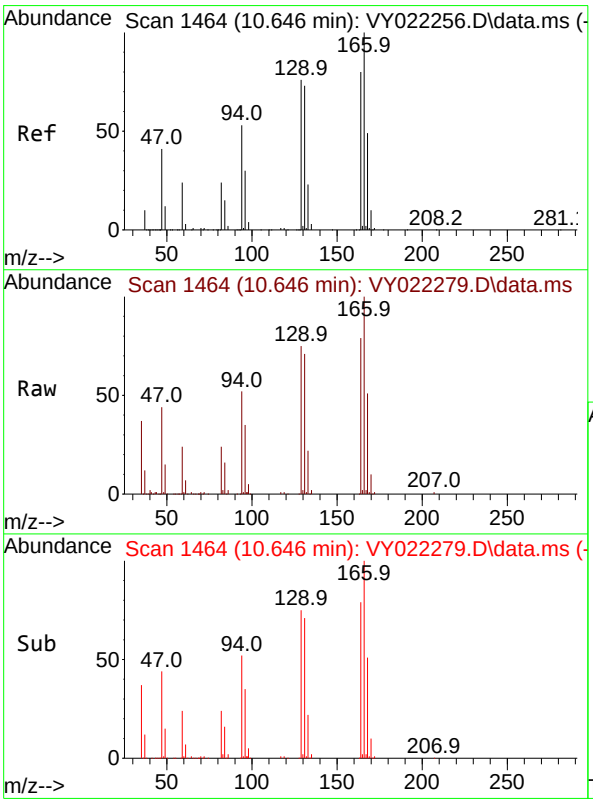
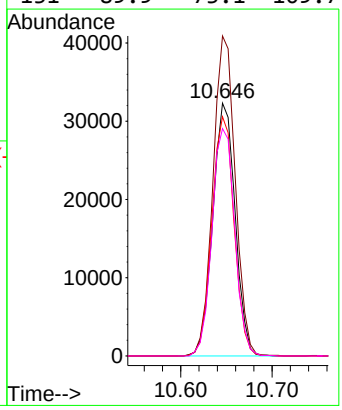


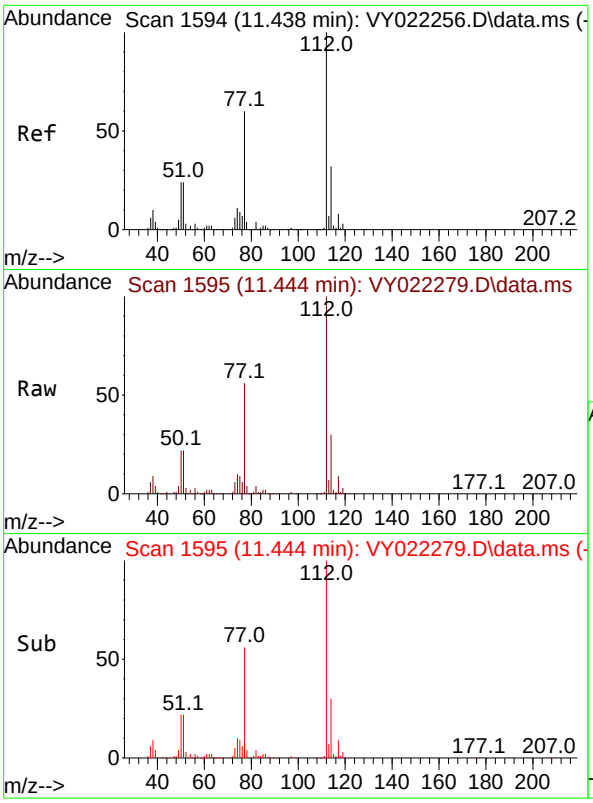


#64
Tetrachloroethene
Concen: 19.759 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:164 Resp: 54813

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.4	150.6
129	94.6	76.4	114.6
131	89.9	73.1	109.7





#65
Chlorobenzene
Concen: 19.679 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:112 Resp: 13325

Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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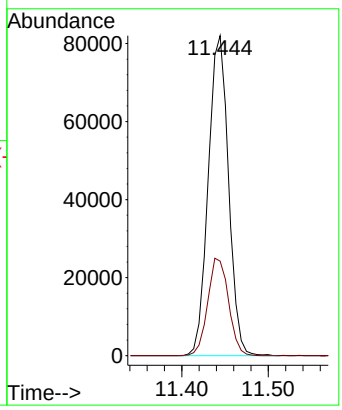
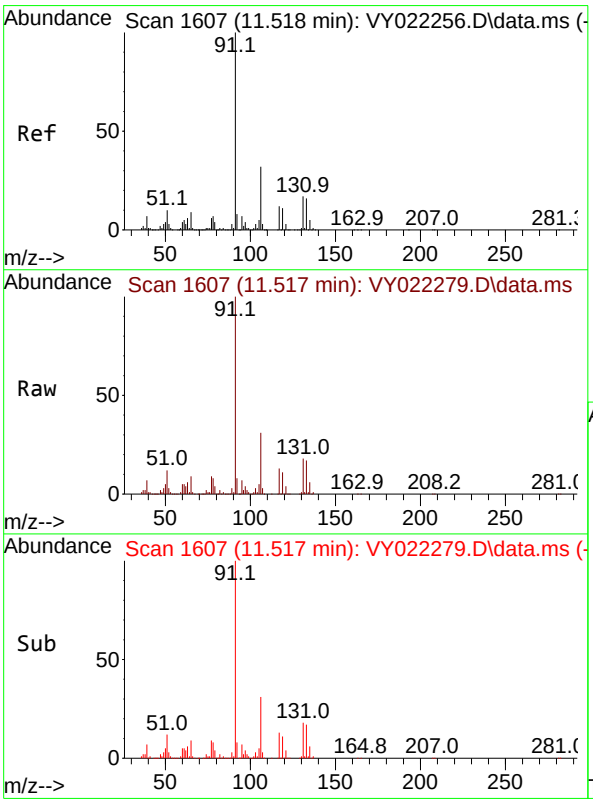
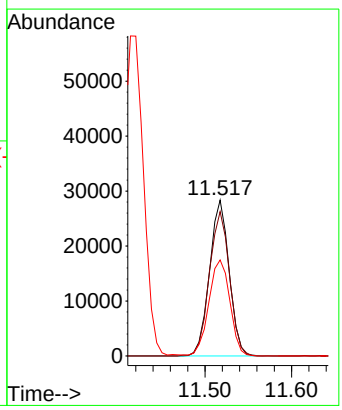


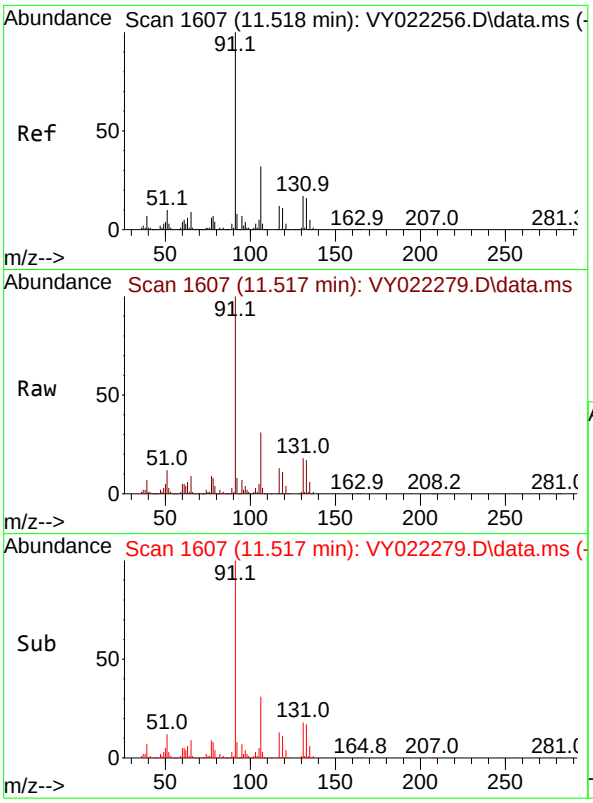


#66
1,1,1,2-Tetrachloroethane
Concen: 19.140 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:131 Resp: 44554

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	66.3	33.1	99.2

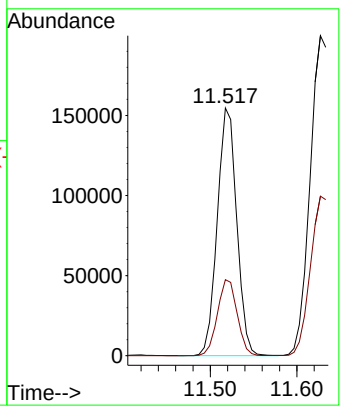




#67
Ethyl Benzene
Concen: 19.027 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 24128

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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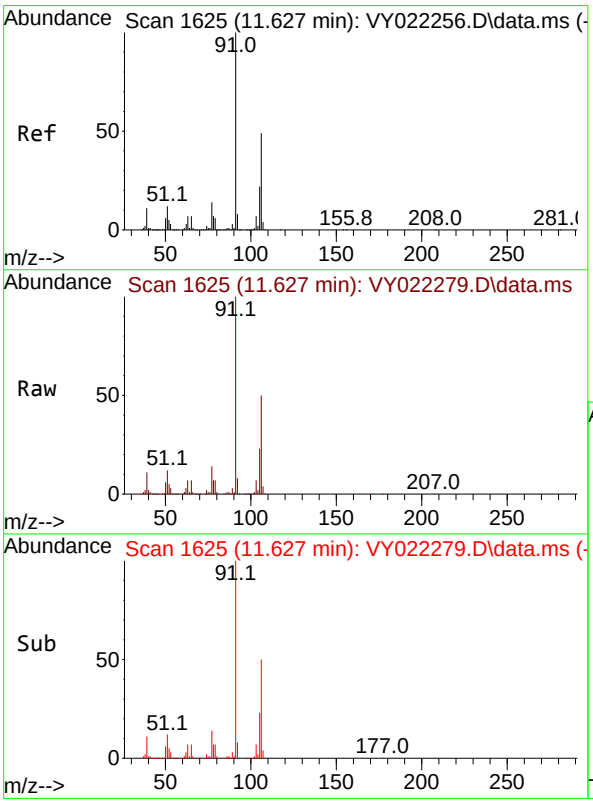
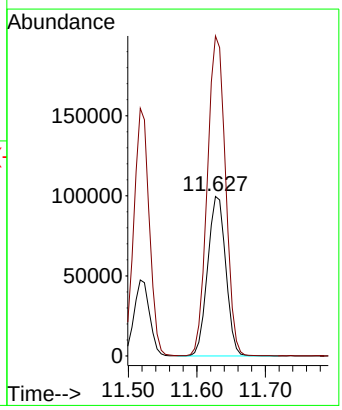
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

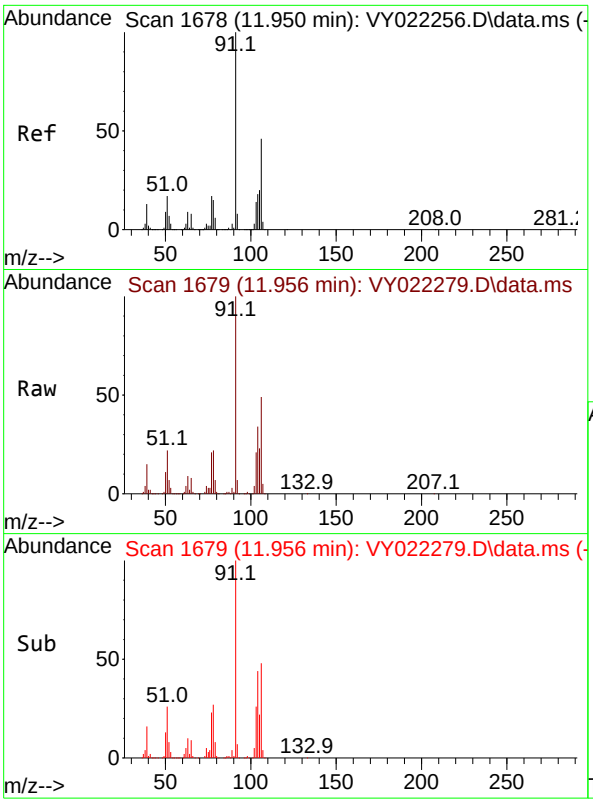


#68
m/p-Xylenes
Concen: 38.444 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:106 Resp: 183701

Ion	Ratio	Lower	Upper
106	100		
91	200.7	163.0	244.4

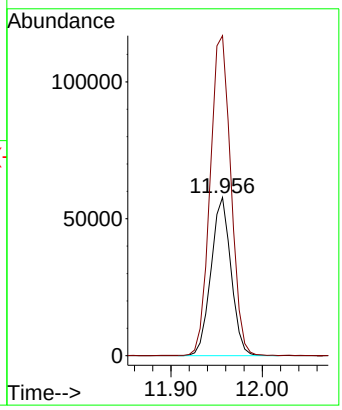




#69
o-Xylene
Concen: 19.379 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:106 Resp: 8761

Ion	Ratio	Lower	Upper
106	100		
91	209.7	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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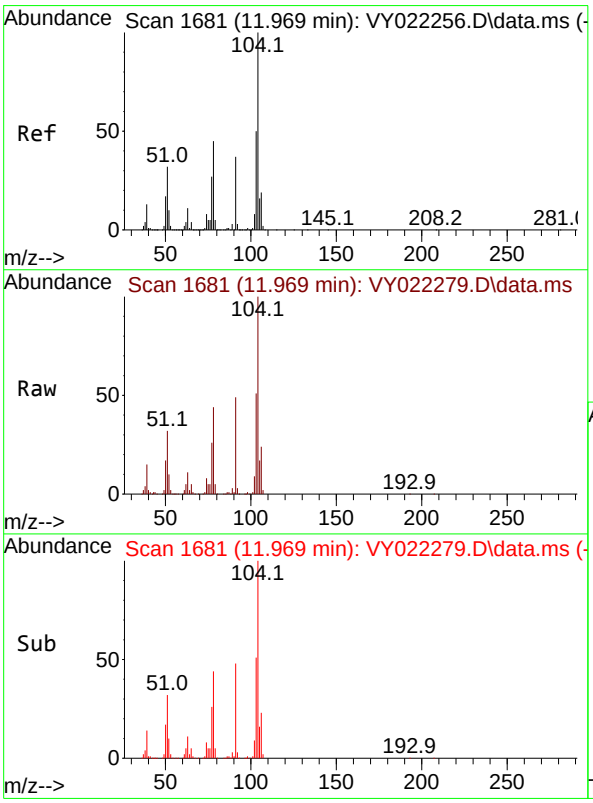
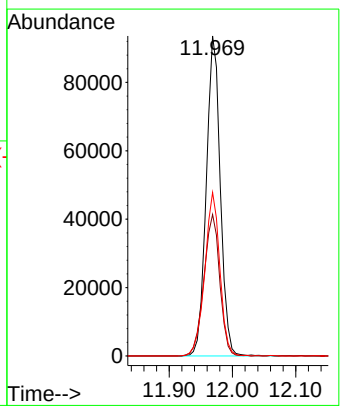
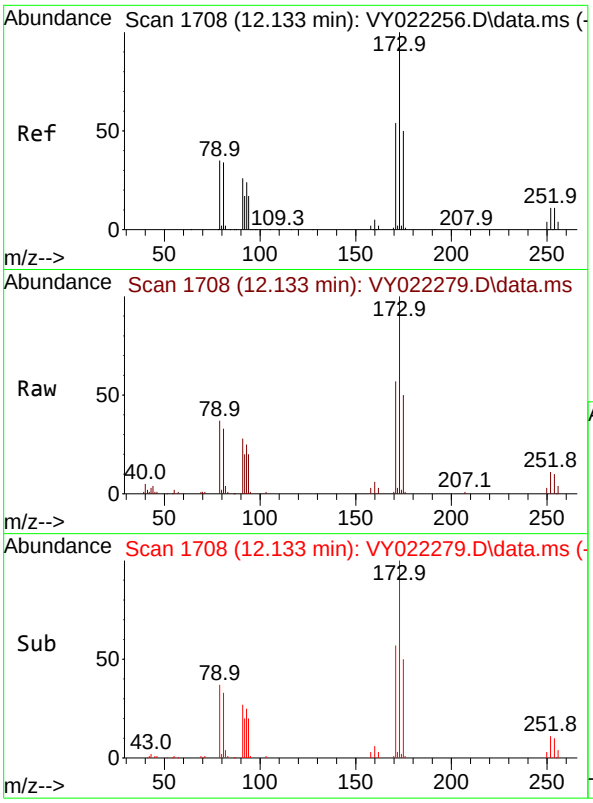


#70
Styrene
Concen: 18.942 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:104 Resp: 144454

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.9	61.3
103	54.8	43.7	65.5

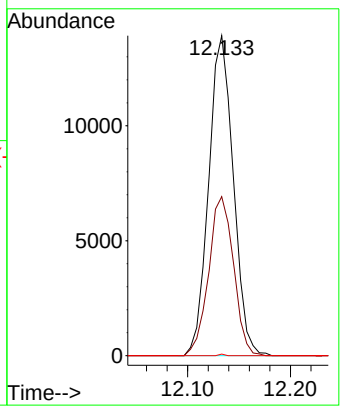




#71
Bromoform
Concen: 18.414 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:173 Resp: 2313

Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.7	74.1
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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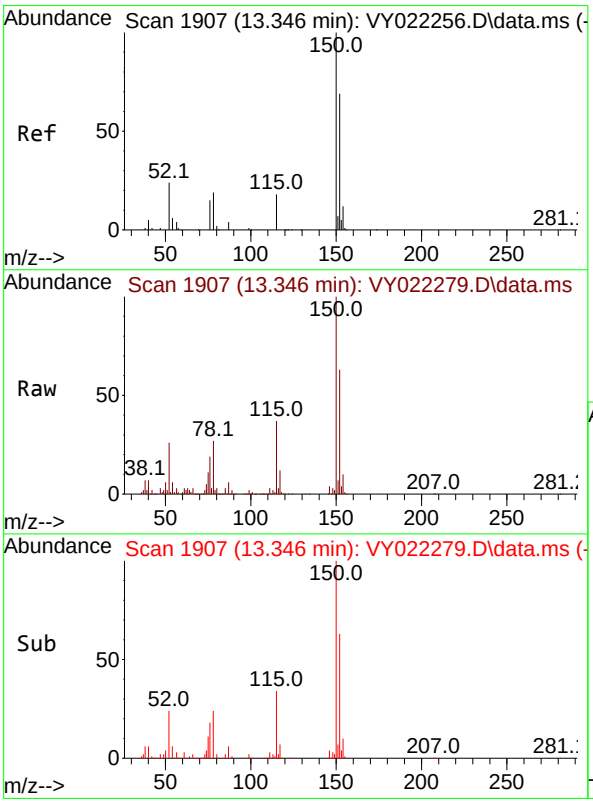
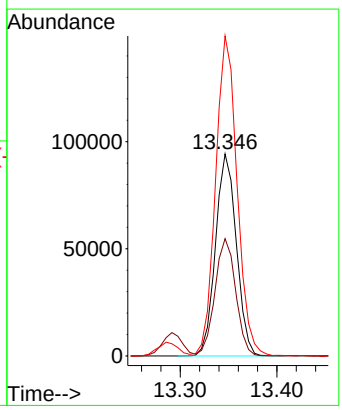
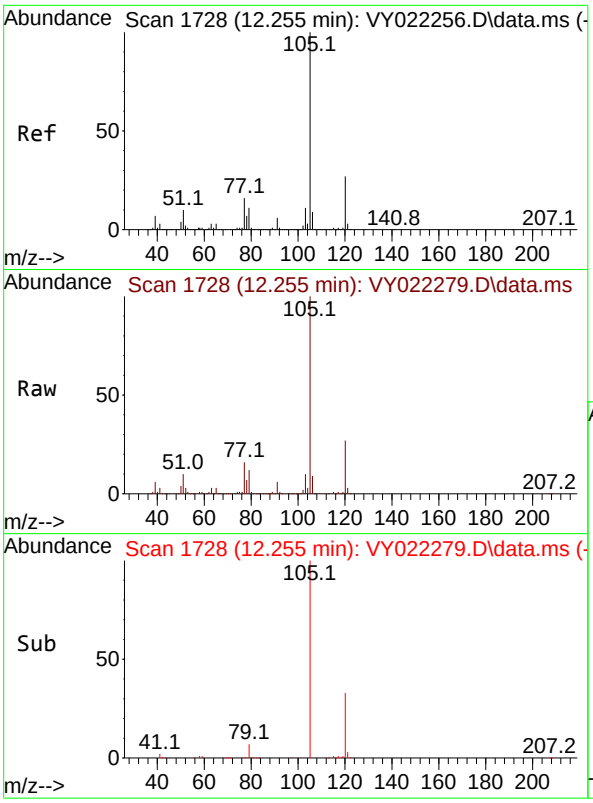


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:152 Resp: 141210

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.2
150	162.9	0.0	353.8

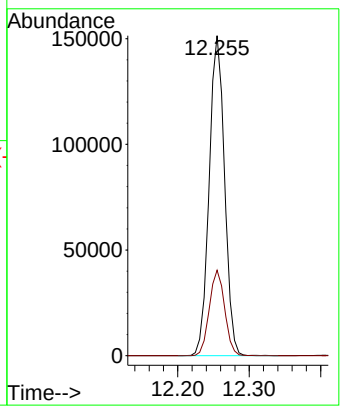




#73
Isopropylbenzene
Concen: 19.344 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:105 Resp: 22629

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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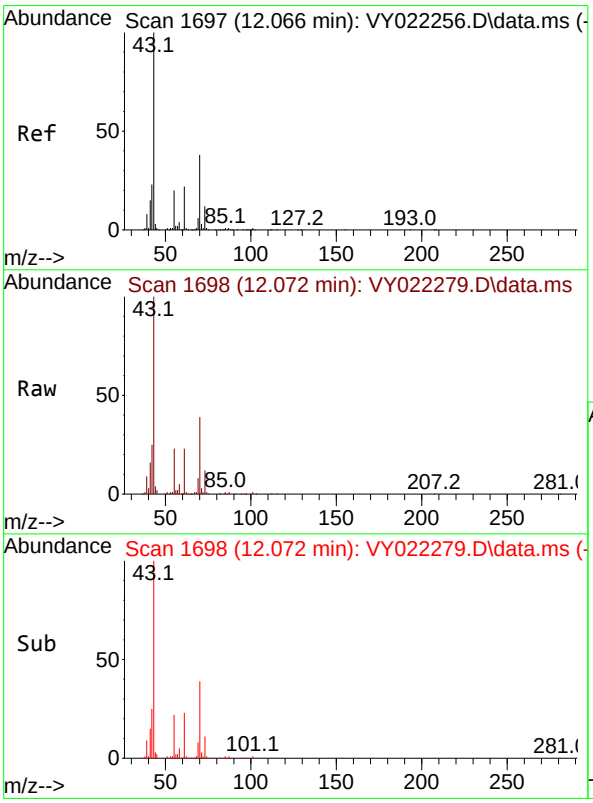
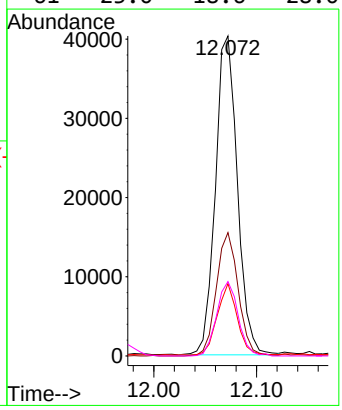
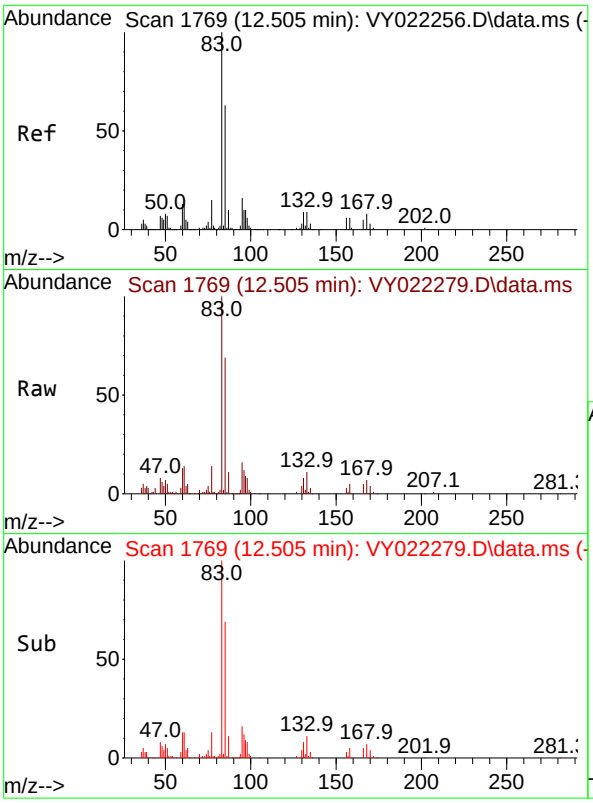


#74
N-amyl acetate
Concen: 17.844 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 59704

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.4	47.0
55	20.6	17.0	25.6
61	23.0	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 19.065 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 3430

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.5	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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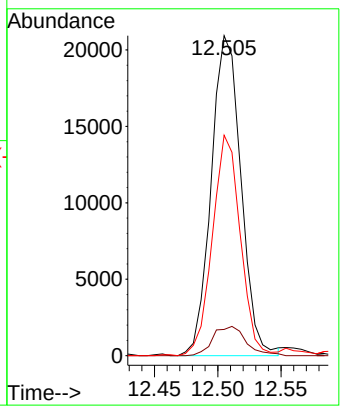
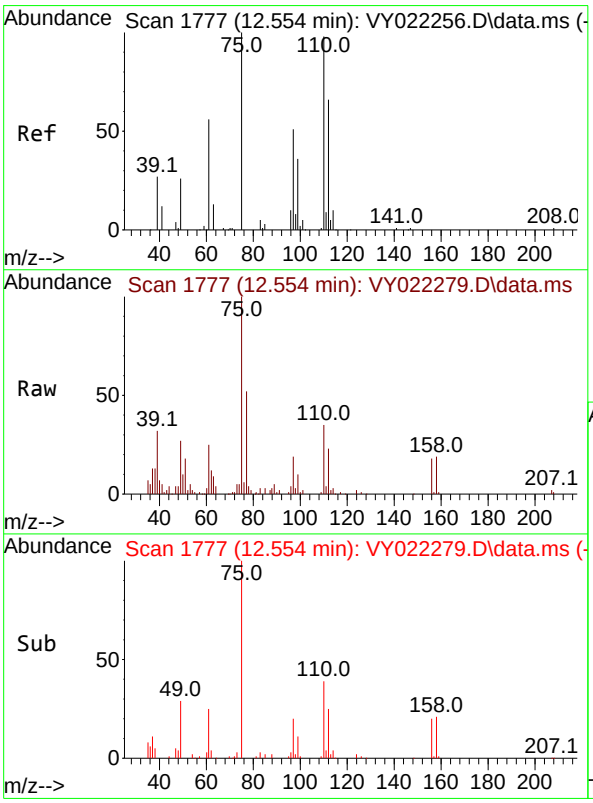
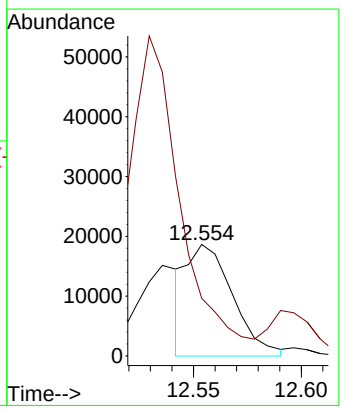


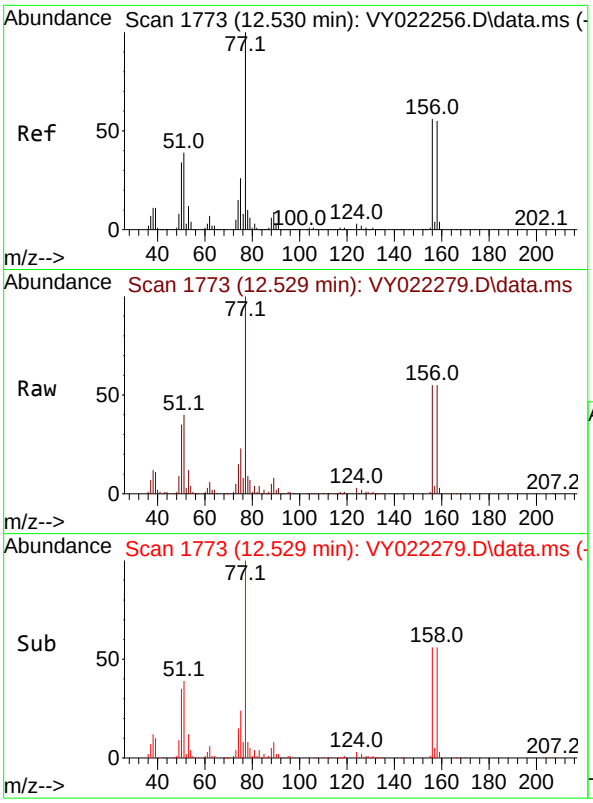


#76
1,2,3-Trichloropropane
Concen: 19.338 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 27665

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

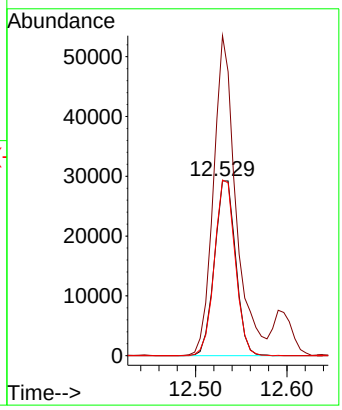




#77
Bromobenzene
Concen: 18.904 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:156 Resp: 4723

Ion	Ratio	Lower	Upper
156	100		
77	193.6	94.5	283.6
158	98.6	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
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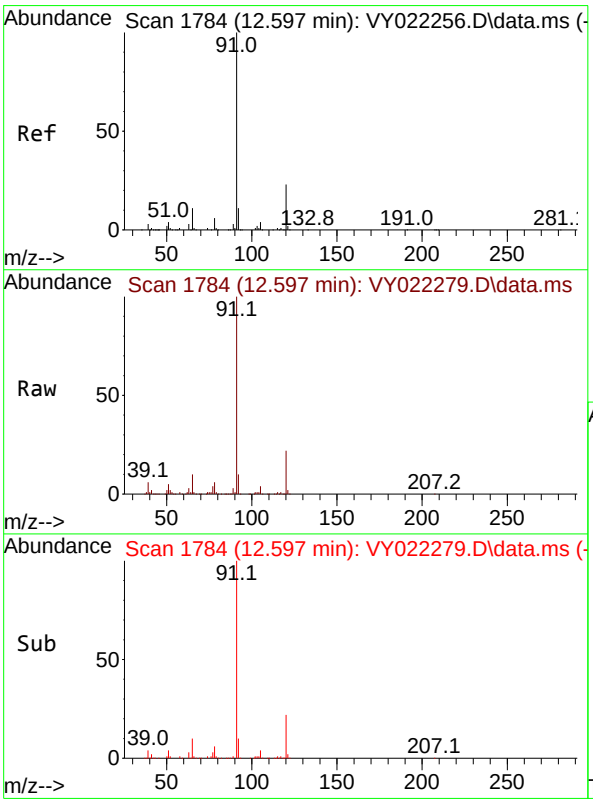
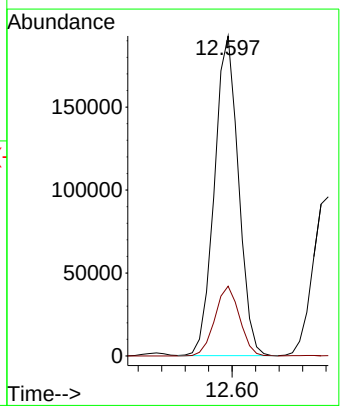
Supervised By :Semsettin Yesilyurt 05/19/2025

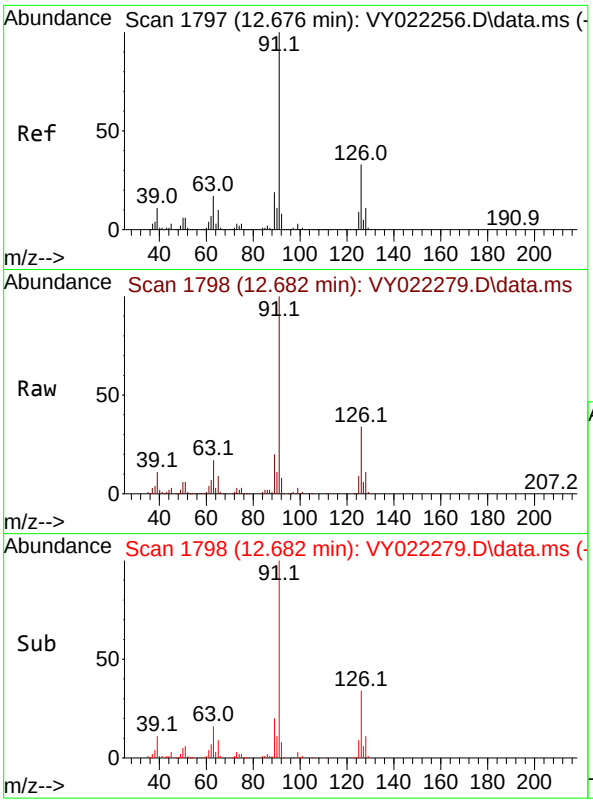


#78
n-propylbenzene
Concen: 19.430 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 274165

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.3

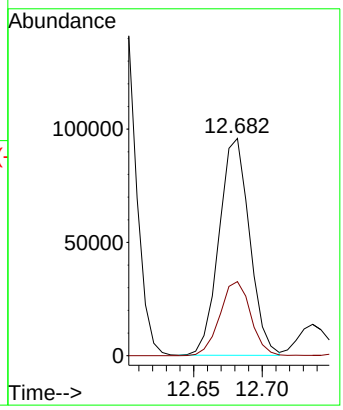




#79
2-Chlorotoluene
Concen: 19.125 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 14830

Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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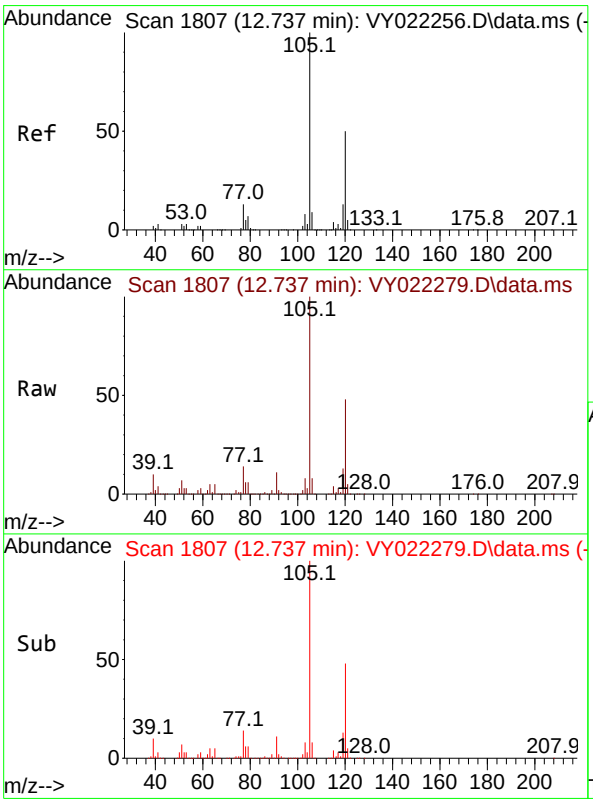
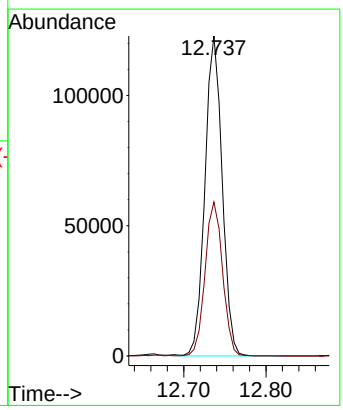
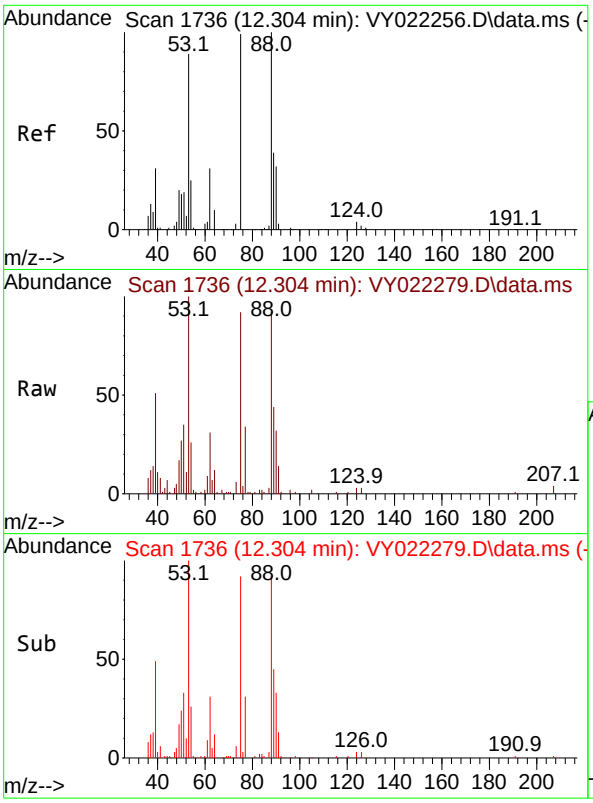


#80
1,3,5-Trimethylbenzene
Concen: 18.943 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:105 Resp: 178884

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.2	72.6

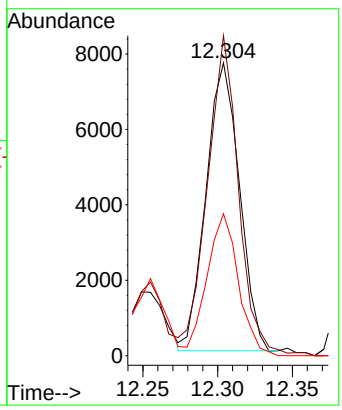




#81
trans-1,4-Dichloro-2-butene
Concen: 16.775 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 1184

Ion	Ratio	Lower	Upper
75	100		
53	104.1	75.8	113.8
89	46.1	36.2	54.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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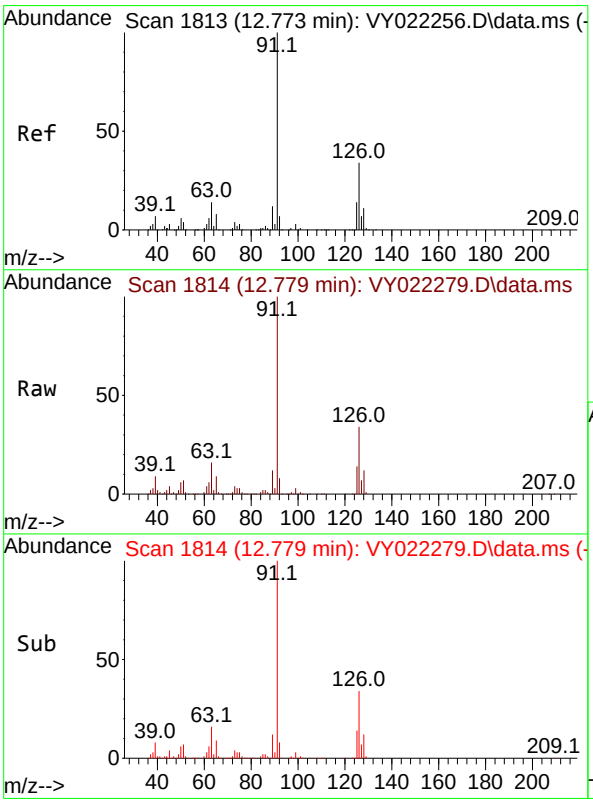
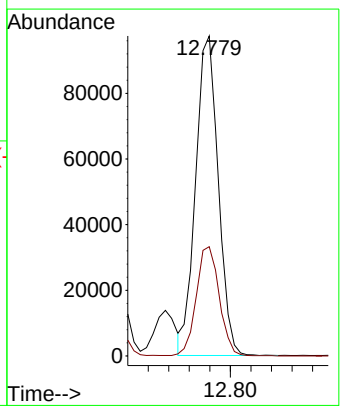
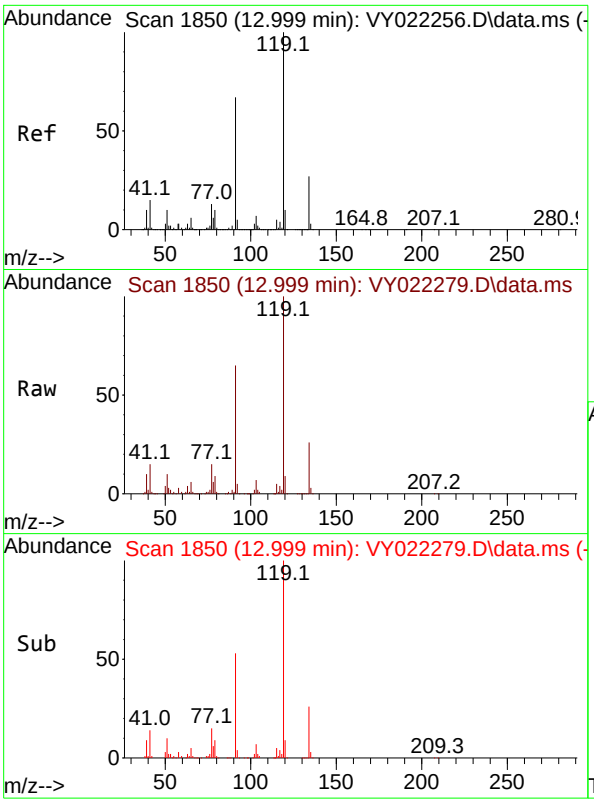


#82
4-Chlorotoluene
Concen: 18.660 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 148832

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.8	50.4

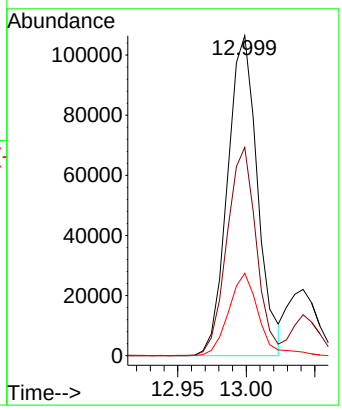




#83
tert-Butylbenzene
Concen: 19.292 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:119 Resp: 16192

Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.8	98.3
134	26.0	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

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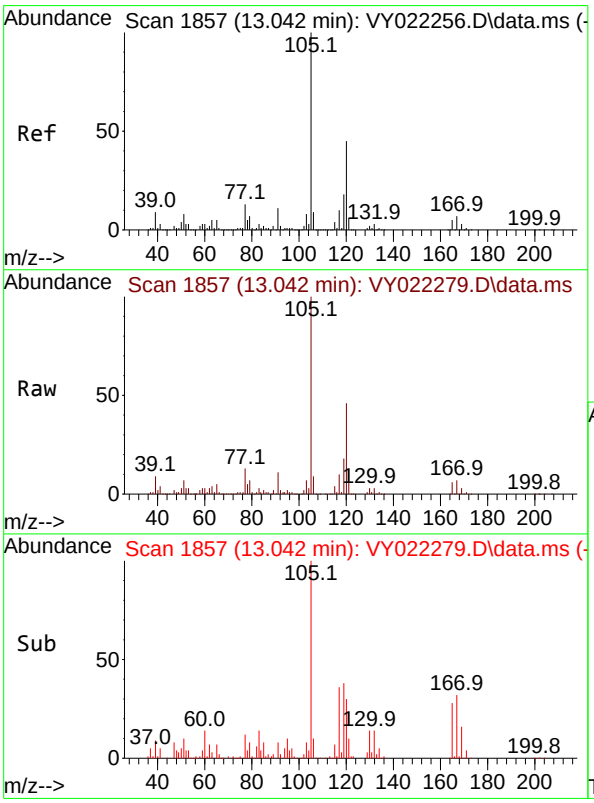
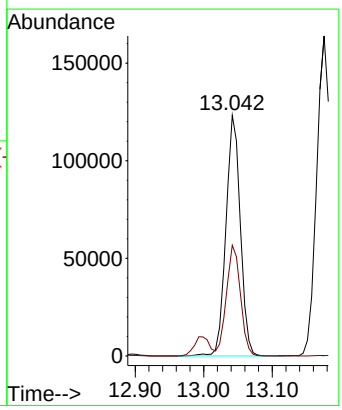
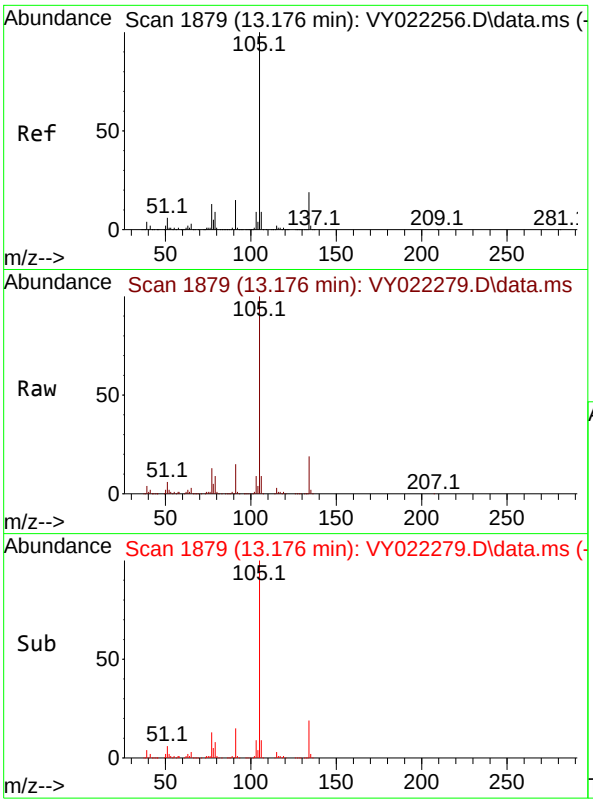


#84
1,2,4-Trimethylbenzene
Concen: 19.163 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:105 Resp: 179642

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9

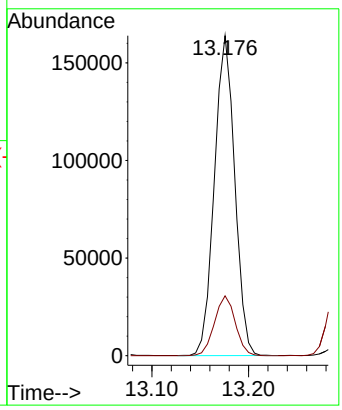




#85
sec-Butylbenzene
Concen: 19.219 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:105 Resp: 23946

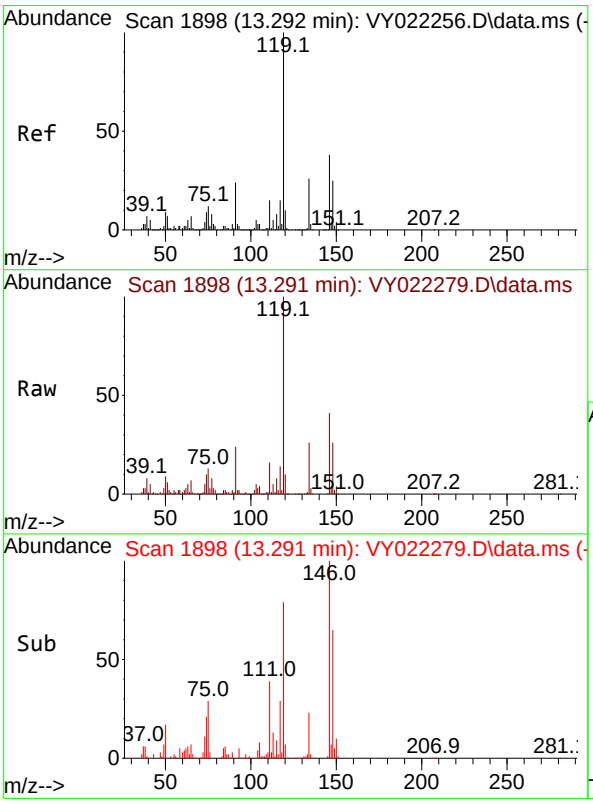
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

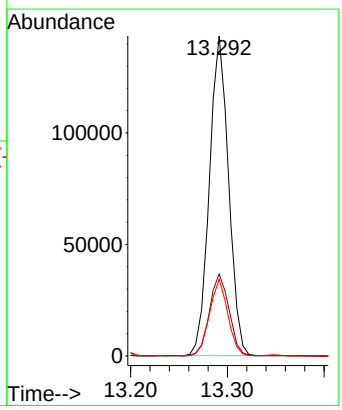
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

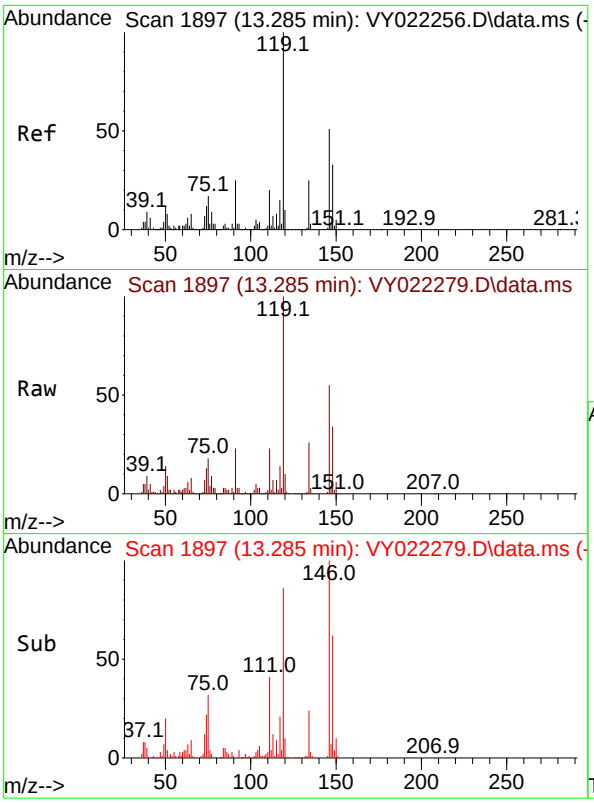


#86
p-Isopropyltoluene
Concen: 18.872 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:119 Resp: 197757

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	22.8	12.1	36.3

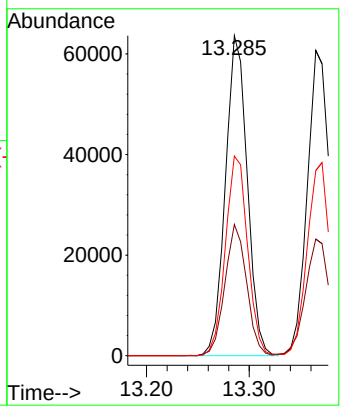




#87
1,3-Dichlorobenzene
Concen: 18.416 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:146 Resp: 9393

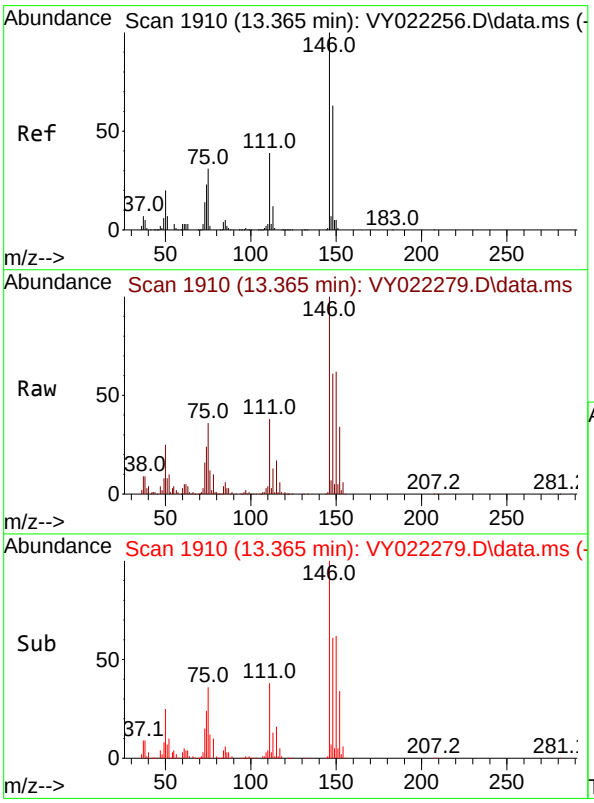
Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	63.5	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

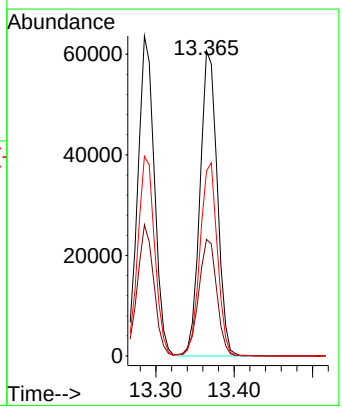
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

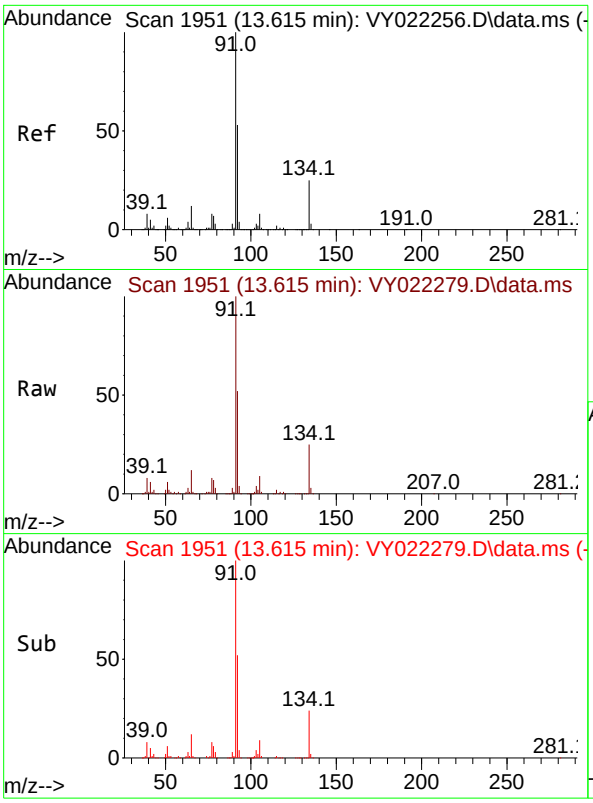


#88
1,4-Dichlorobenzene
Concen: 18.902 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:146 Resp: 92740

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	63.5	32.1	96.5

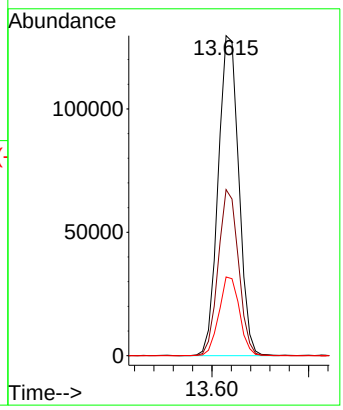




#89
n-Butylbenzene
Concen: 19.299 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 19132

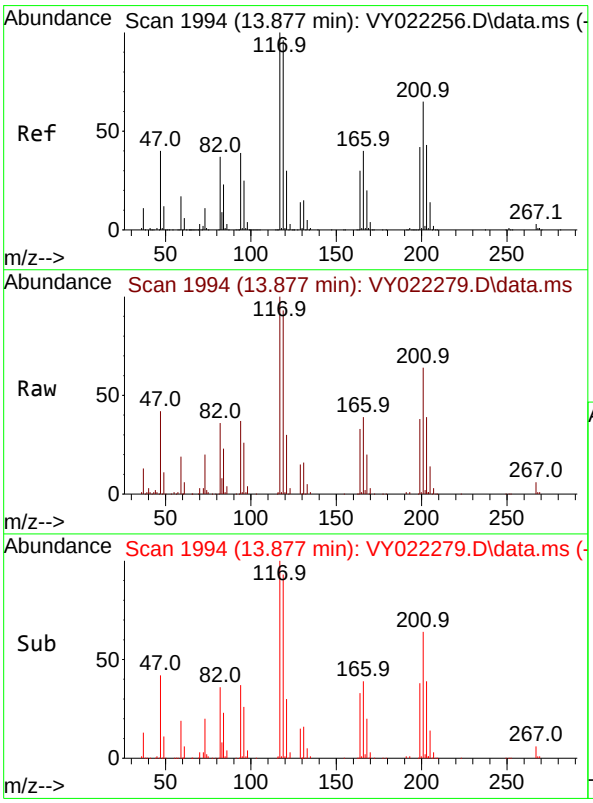
Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.9
134	24.5	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

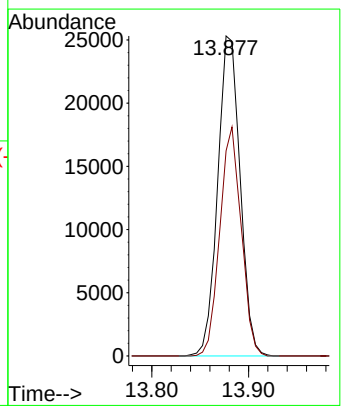
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

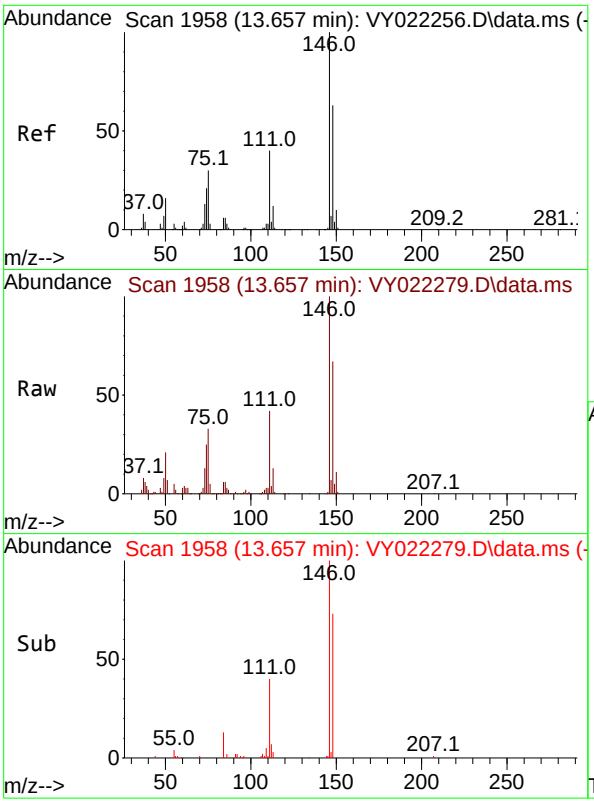


#90
Hexachloroethane
Concen: 19.255 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 40730

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6

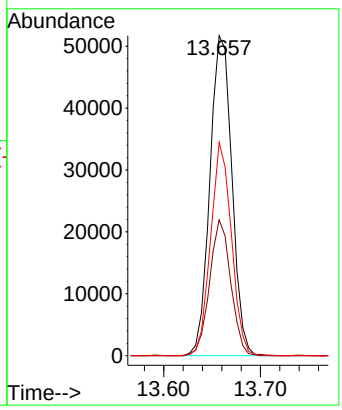




#91
1,2-Dichlorobenzene
Concen: 19.073 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:146 Resp: 8171

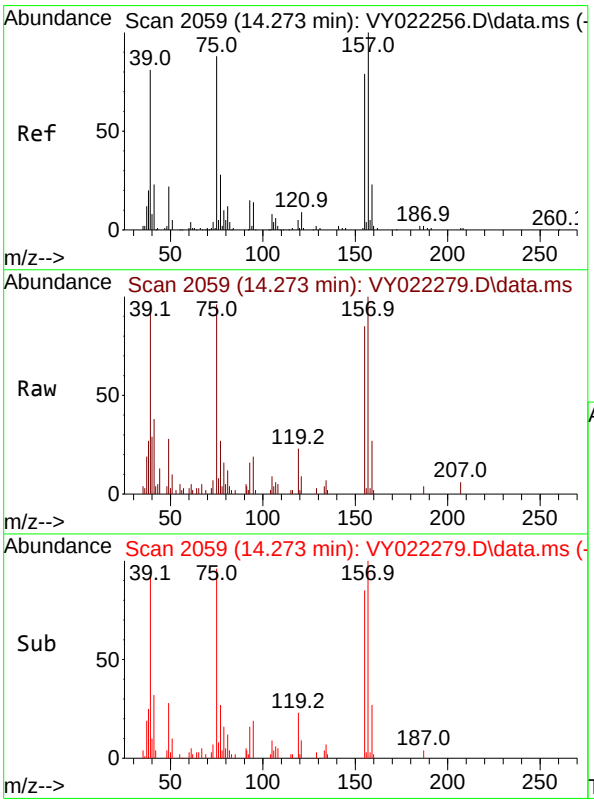
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.5
148	63.1	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

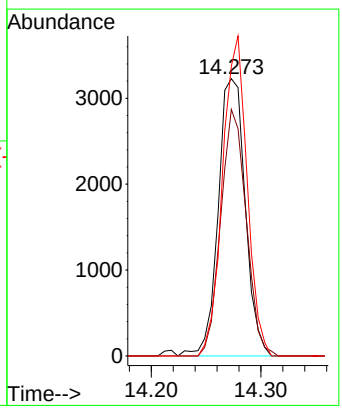
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

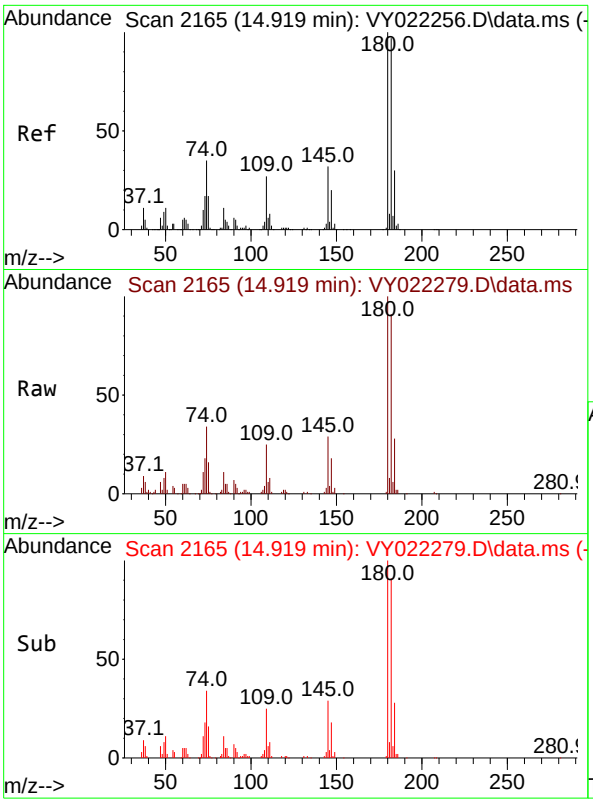


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.982 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 5507

Ion	Ratio	Lower	Upper
75	100		
155	83.7	43.4	130.1
157	104.7	54.6	163.9

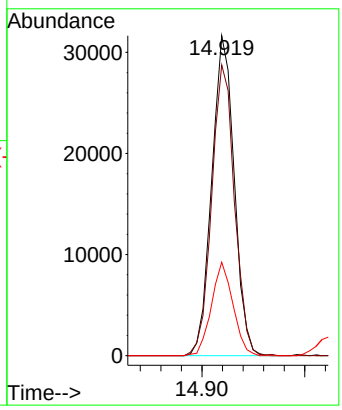




#93
1,2,4-Trichlorobenzene
Concen: 19.345 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:180 Resp: 4787

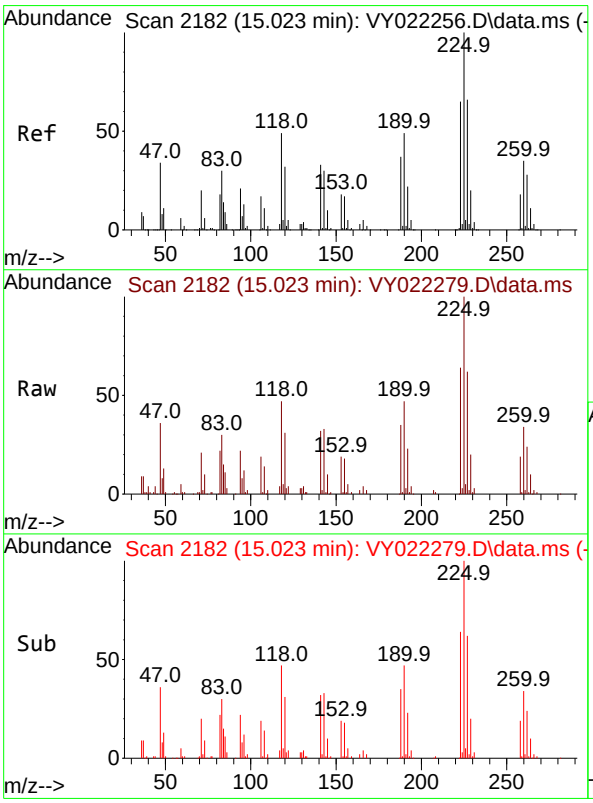
Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.0	144.0
145	28.0	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

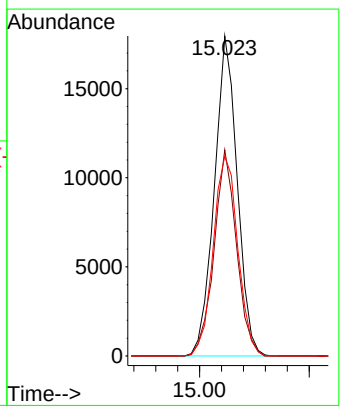
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

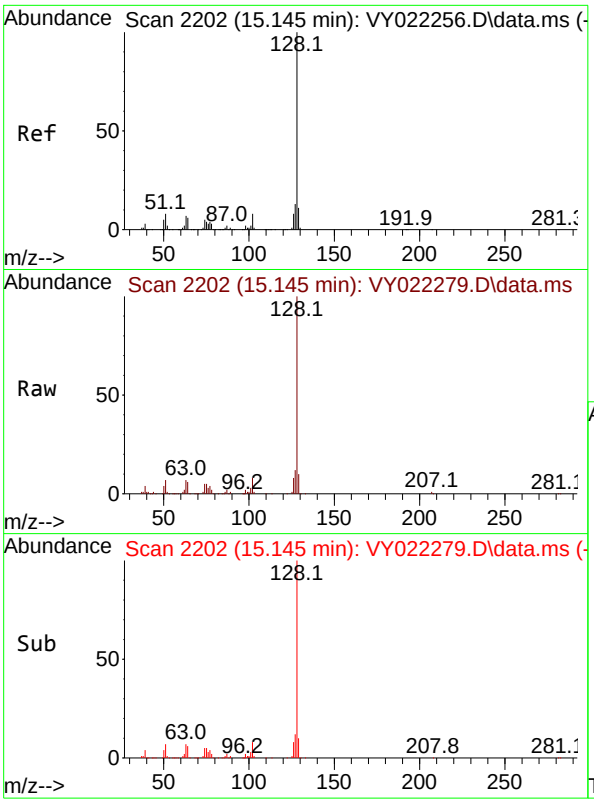


#94
Hexachlorobutadiene
Concen: 18.897 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:225 Resp: 26080

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.5	94.5
227	67.0	32.1	96.3

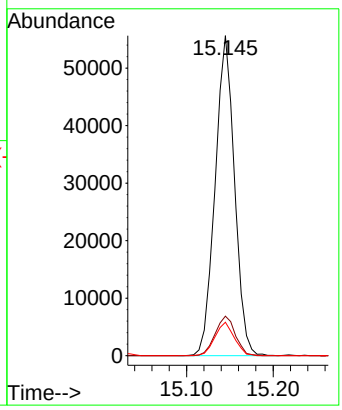




#95
Naphthalene
Concen: 18.410 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:128 Resp: 8646

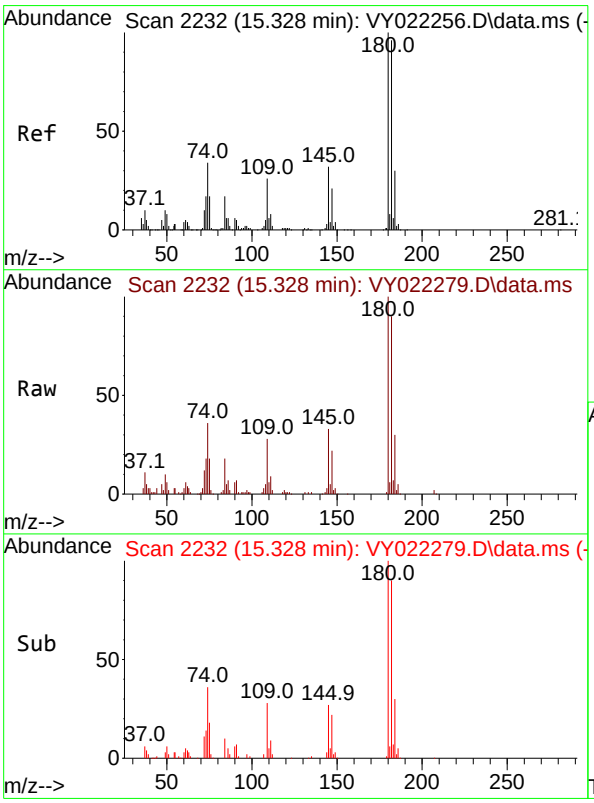
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations
APPROVED

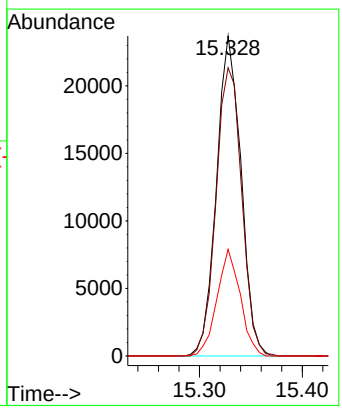
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.667 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:180 Resp: 39190

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	31.7	15.9	47.6



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:	VY0515SBSD01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022263.D	1		05/15/25 14:29	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.021		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.023		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.023		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.024		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.022		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.11		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.022		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.11		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.10		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.021		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.021		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		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	0.10		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	0.021		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		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:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0515SBSD01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022263.D	1		05/15/25 14:29	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.10		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	0.021		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	0.020		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	0.020		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	0.019		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.021		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.020		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.019		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.020		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.020		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.020		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0515SBSD01	SDG No.:	Q1984
Lab Sample ID:	VY0515SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022263.D	1		05/15/25 14:29	VY051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.021		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.021		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.020		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.9		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.2		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	239000	7.707				
540-36-3	1,4-Difluorobenzene	402000	8.616				
3114-55-4	Chlorobenzene-d5	342000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	161000	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\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	402031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	341987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135626	51.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.634	113	123255	51.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.103	98	503583	51.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	156883	50.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	53122	21.308	ug/l	100
3) Chloromethane	2.062	50	120806	23.036	ug/l	99
4) Vinyl Chloride	2.202	62	133825	22.841	ug/l	95
5) Bromomethane	2.586	94	115963	24.313	ug/l	97
6) Chloroethane	2.726	64	81580	22.381	ug/l	99
7) Trichlorofluoromethane	3.050	101	131275	22.130	ug/l	97
8) Diethyl Ether	3.452	74	30102	21.145	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	53293	20.694	ug/l	99
10) Methyl Iodide	4.001	142	56585	18.984	ug/l	98
11) Tert butyl alcohol	4.872	59	22281	111.741	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	51053	19.977	ug/l	99
13) Acrolein	3.653	56	29646	101.701	ug/l	95
14) Allyl chloride	4.379	41	90707	20.242	ug/l	98
15) Acrylonitrile	5.061	53	63262	107.846	ug/l	100
16) Acetone	3.873	43	49080	100.243	ug/l	97
17) Carbon Disulfide	4.104	76	170931	20.511	ug/l	100
18) Methyl Acetate	4.385	43	32845	21.277	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	147866	20.984	ug/l	100
20) Methylene Chloride	4.616	84	67252	21.257	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	58391	20.700	ug/l	97
22) Diisopropyl ether	6.019	45	191390	20.225	ug/l	99
23) Vinyl Acetate	5.958	43	582104	101.820	ug/l	99
24) 1,1-Dichloroethane	5.915	63	107336	20.303	ug/l	99
25) 2-Butanone	6.896	43	84807	103.553	ug/l	94
26) 2,2-Dichloropropane	6.884	77	94109	20.013	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	65488	20.118	ug/l	99
28) Bromochloromethane	7.244	49	45781	20.301	ug/l	100
29) Tetrahydrofuran	7.262	42	57613	109.345	ug/l	98
30) Chloroform	7.421	83	103980	20.505	ug/l	97
31) Cyclohexane	7.695	56	104972	19.873	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	93522	20.102	ug/l	99
36) 1,1-Dichloropropene	7.835	75	78647	19.899	ug/l	99
37) Ethyl Acetate	6.982	43	41008	21.564	ug/l	98
38) Carbon Tetrachloride	7.817	117	80942	19.785	ug/l	98
39) Methylcyclohexane	9.109	83	105996	19.962	ug/l	98
40) Benzene	8.079	78	234747	20.035	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	23758m	18.834	ug/l		
42) 1,2-Dichloroethane	8.158	62	64565	20.377	ug/l		99
43) Isopropyl Acetate	8.195	43	86552	20.869	ug/l		98
44) Trichloroethene	8.866	130	57705	19.807	ug/l		97
45) 1,2-Dichloropropane	9.140	63	56246	19.911	ug/l		99
46) Dibromomethane	9.231	93	31011	20.354	ug/l		99
47) Bromodichloromethane	9.420	83	80217	20.295	ug/l		97
48) Methyl methacrylate	9.219	41	39908	20.576	ug/l		99
49) 1,4-Dioxane	9.237	88	7653	444.632	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	213720	105.023	ug/l		98
52) Toluene	10.170	92	144686	19.501	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	76950	19.949	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	88052	19.924	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	40220	20.615	ug/l		94
56) Ethyl methacrylate	10.438	69	62553	20.583	ug/l		99
57) 1,3-Dichloropropane	10.719	76	71496	20.625	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	129032	94.593	ug/l		99
59) 2-Hexanone	10.762	43	142594	104.509	ug/l		99
60) Dibromochloromethane	10.908	129	51719	20.424	ug/l		98
61) 1,2-Dibromoethane	11.012	107	37293	20.509	ug/l		96
64) Tetrachloroethene	10.646	164	62797	19.866	ug/l		96
65) Chlorobenzene	11.438	112	153929	19.950	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	50248	18.944	ug/l		97
67) Ethyl Benzene	11.518	91	283493	19.619	ug/l		98
68) m/p-Xylenes	11.627	106	212811	39.085	ug/l		98
69) o-Xylene	11.950	106	101365	19.677	ug/l		97
70) Styrene	11.969	104	168741	19.418	ug/l		99
71) Bromoform	12.127	173	29512	20.613	ug/l	#	98
73) Isopropylbenzene	12.255	105	261986	19.627	ug/l		100
74) N-amyl acetate	12.066	43	79208	20.747	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	43741	21.307	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	33956m	20.802	ug/l		
77) Bromobenzene	12.530	156	55800	19.572	ug/l		98
78) n-propylbenzene	12.591	91	317668	19.730	ug/l		99
79) 2-Chlorotoluene	12.676	91	172805	19.530	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	208067	19.309	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	16041	19.907	ug/l		99
82) 4-Chlorotoluene	12.773	91	178952	19.663	ug/l		100
83) tert-Butylbenzene	12.993	119	190568	19.898	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	210149	19.646	ug/l		99
85) sec-Butylbenzene	13.176	105	281045	19.768	ug/l		99
86) p-Isopropyltoluene	13.292	119	233015	19.488	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	112481	19.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	111832	19.976	ug/l		99
89) n-Butylbenzene	13.615	91	225170	19.906	ug/l		99
90) Hexachloroethane	13.877	117	47537	19.695	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	97586	19.962	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7093	21.427	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	58146	20.591	ug/l		98
94) Hexachlorobutadiene	15.023	225	33000	20.955	ug/l		98
95) Naphthalene	15.145	128	111947	20.890	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	50425	21.049	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

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\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations APPROVED

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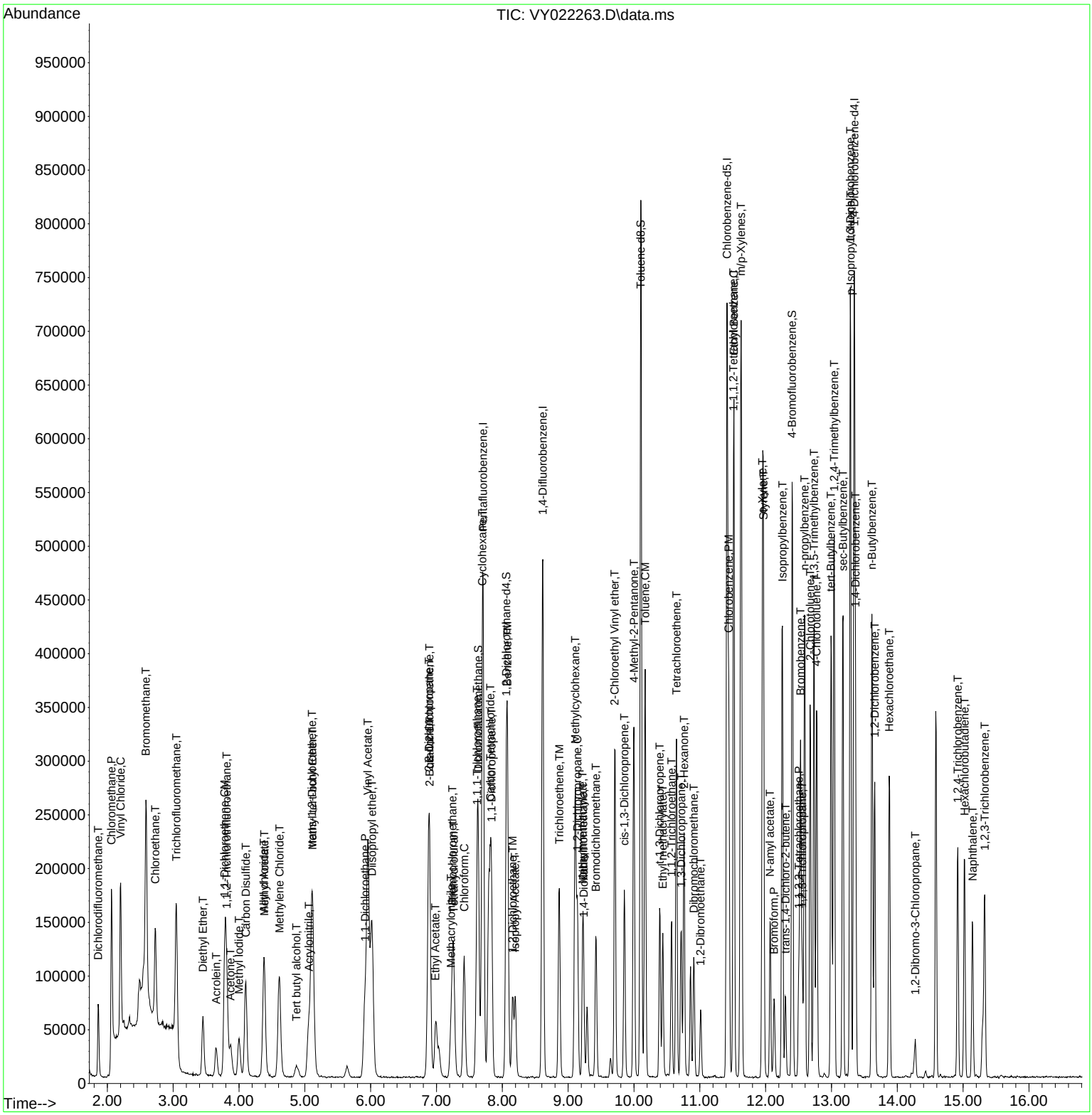
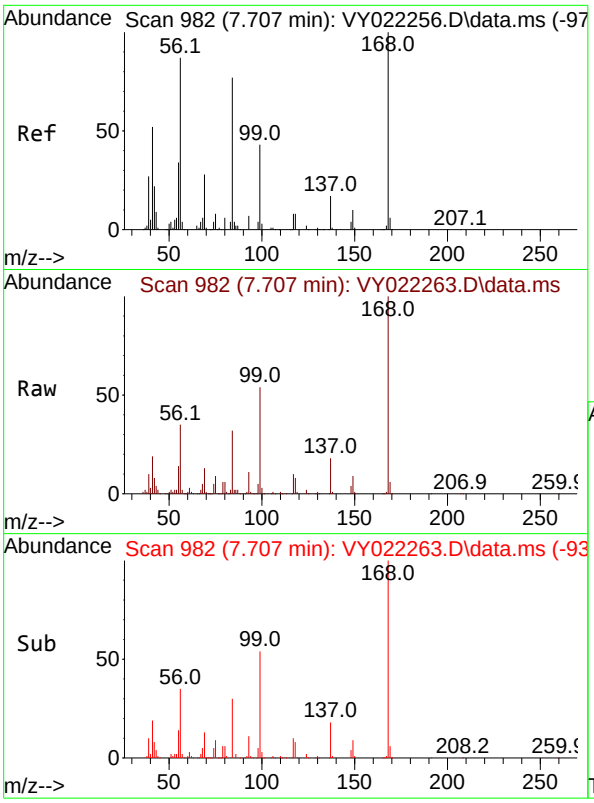
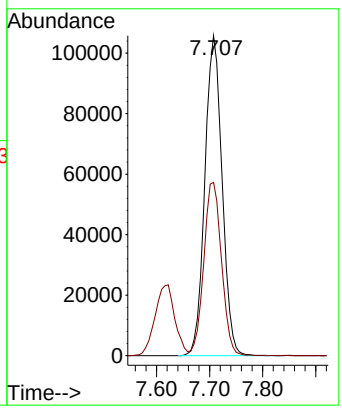




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:168 Resp: 23891

Ion	Ratio	Lower	Upper
168	100		
99	54.2	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
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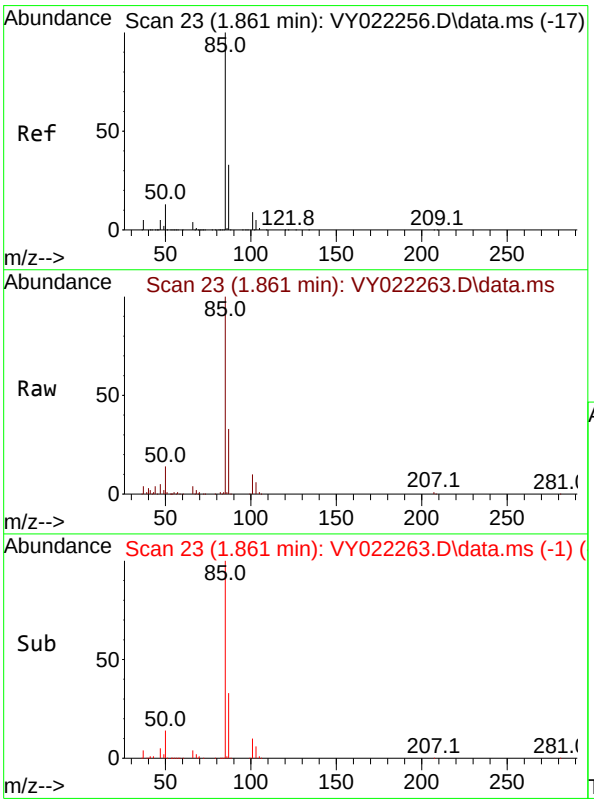
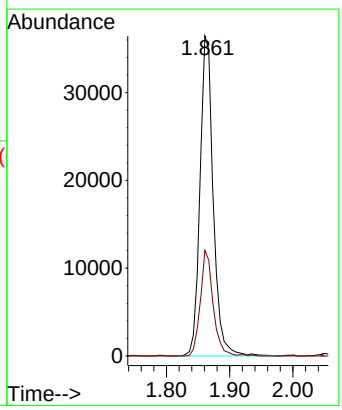
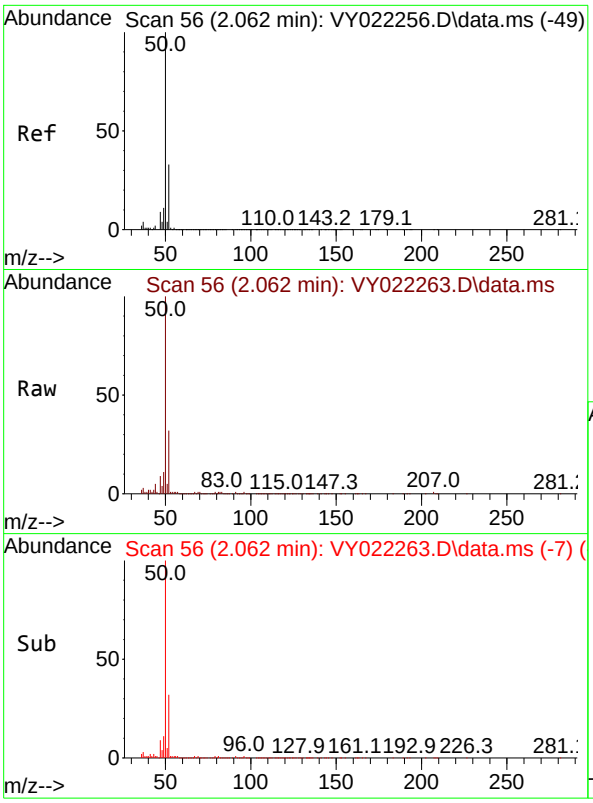


#2
Dichlorodifluoromethane
Concen: 21.308 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 85 Resp: 53122

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5

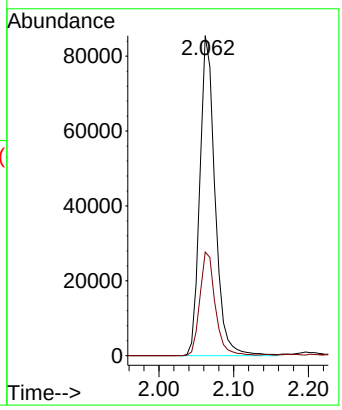




#3
Chloromethane
Concen: 23.036 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 50 Resp: 12080

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.5	39.7



Instrument :
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ClientSampleId :
VY0515SBSD01

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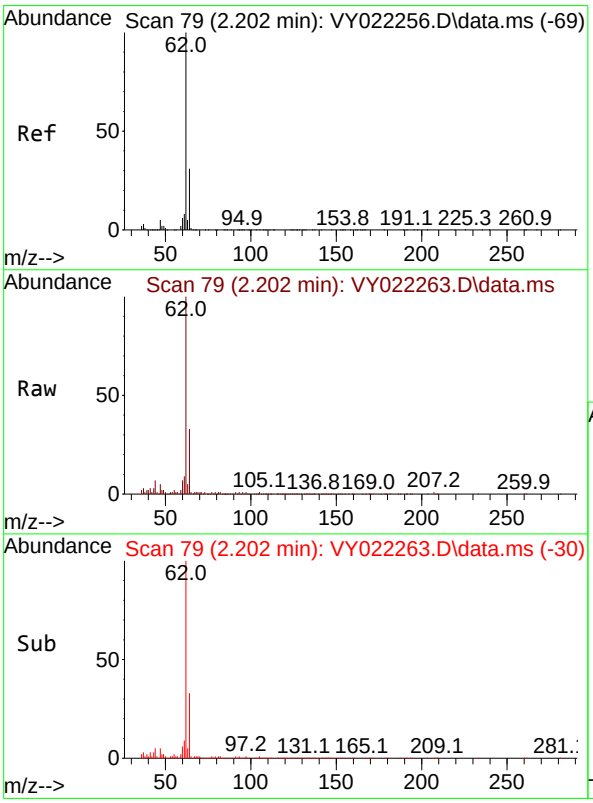
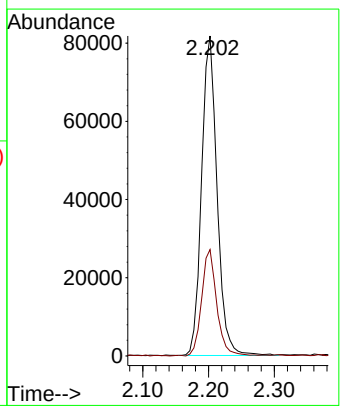
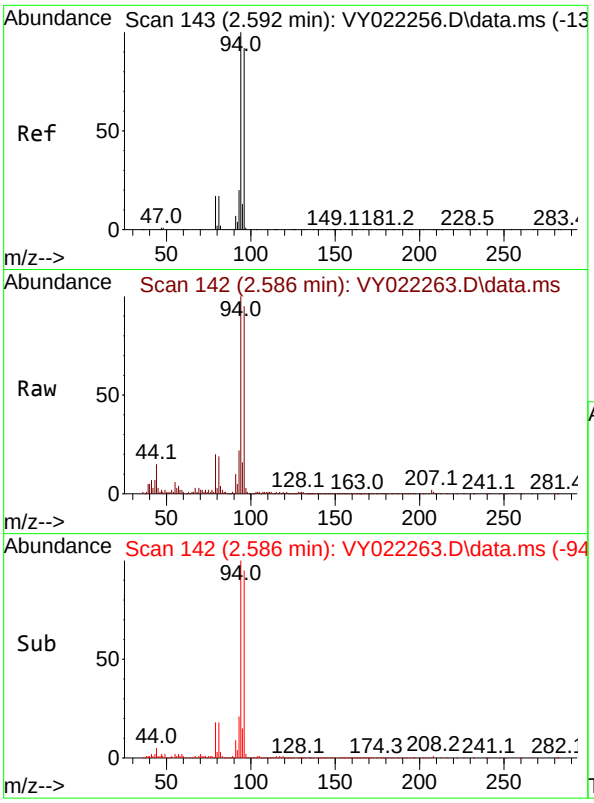


#4
Vinyl Chloride
Concen: 22.841 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 62 Resp: 133825

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.5	36.7

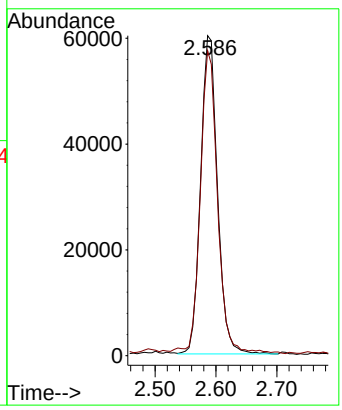




#5
Bromomethane
Concen: 24.313 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 94 Resp: 11596

Ion	Ratio	Lower	Upper
94	100		
96	94.7	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
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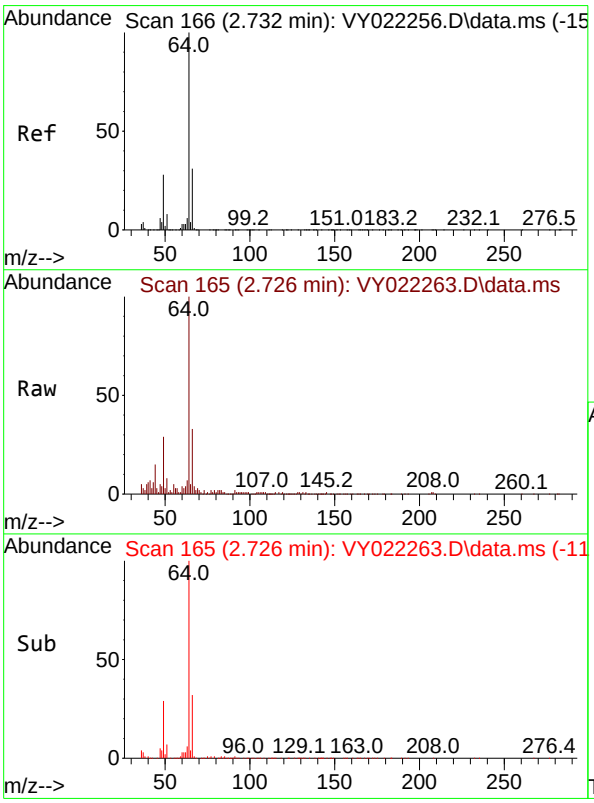
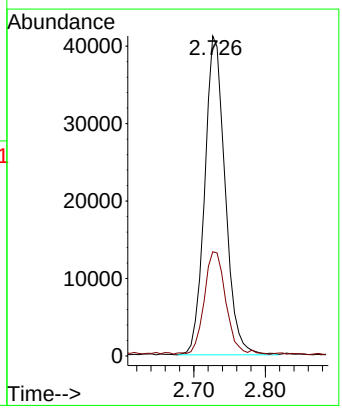
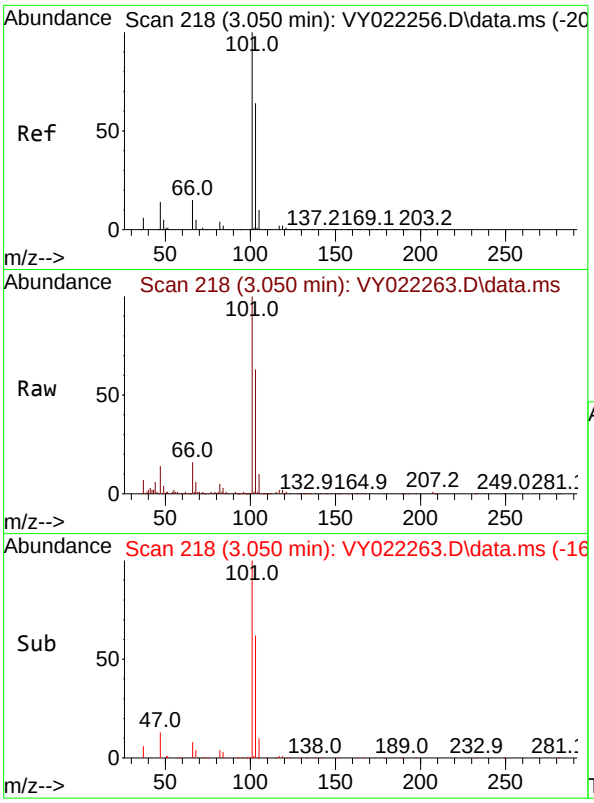


#6
Chloroethane
Concen: 22.381 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 64 Resp: 81580

Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.8	37.2

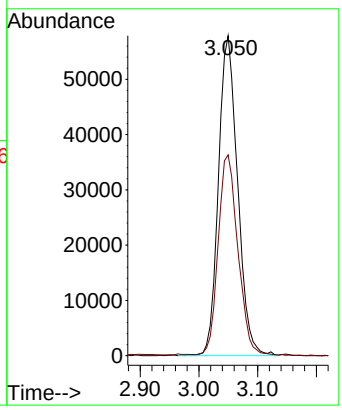




#7
Trichlorofluoromethane
Concen: 22.130 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:101 Resp: 13127

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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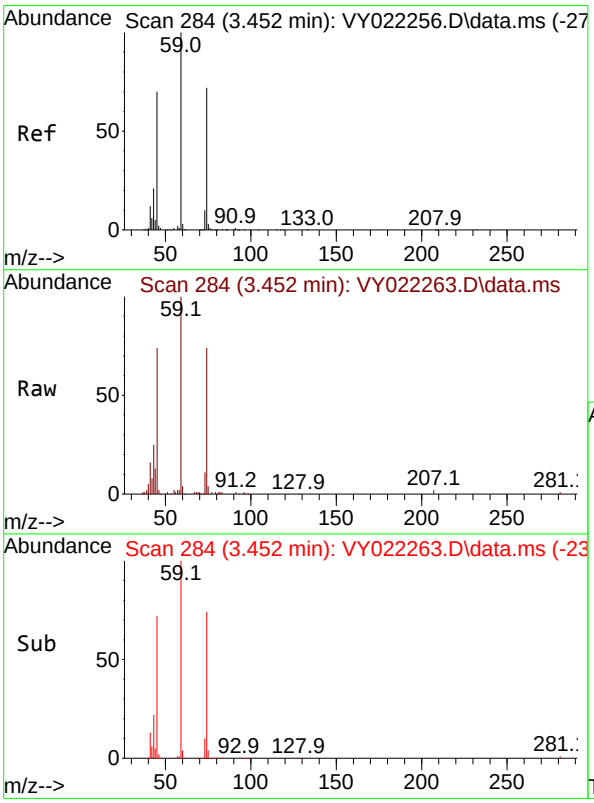
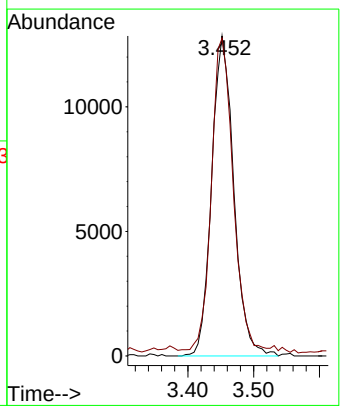
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

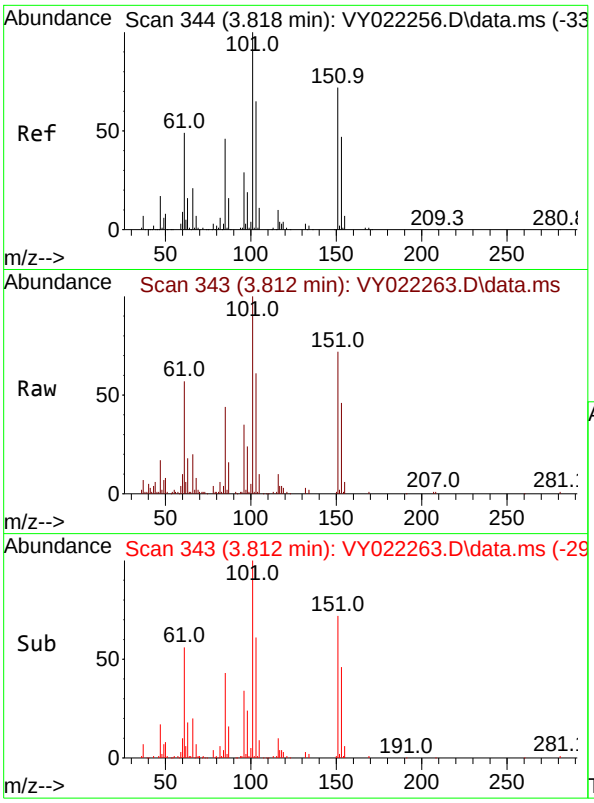


#8
Diethyl Ether
Concen: 21.145 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 74 Resp: 30102

Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.694 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:101 Resp: 5329

Ion	Ratio	Lower	Upper
101	100		
85	47.4	38.6	58.0
151	74.4	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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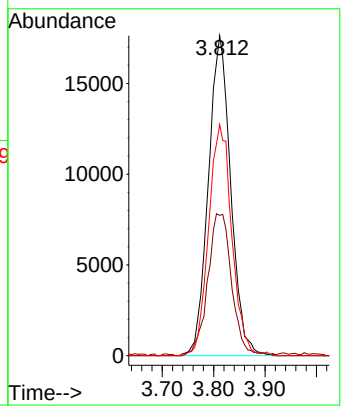
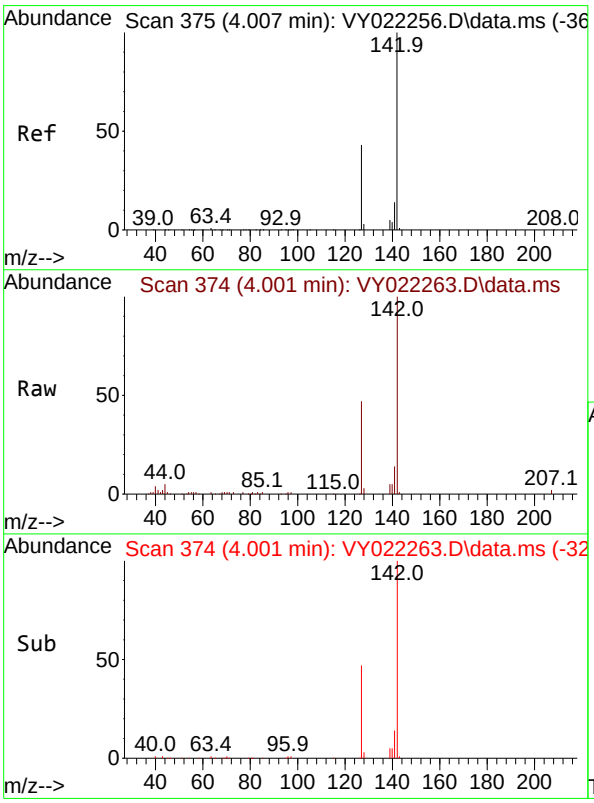
Supervised By :Semsettin Yesilyurt 05/16/2025

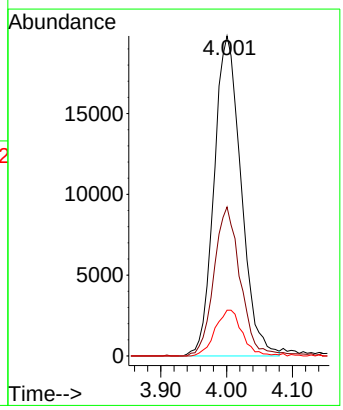


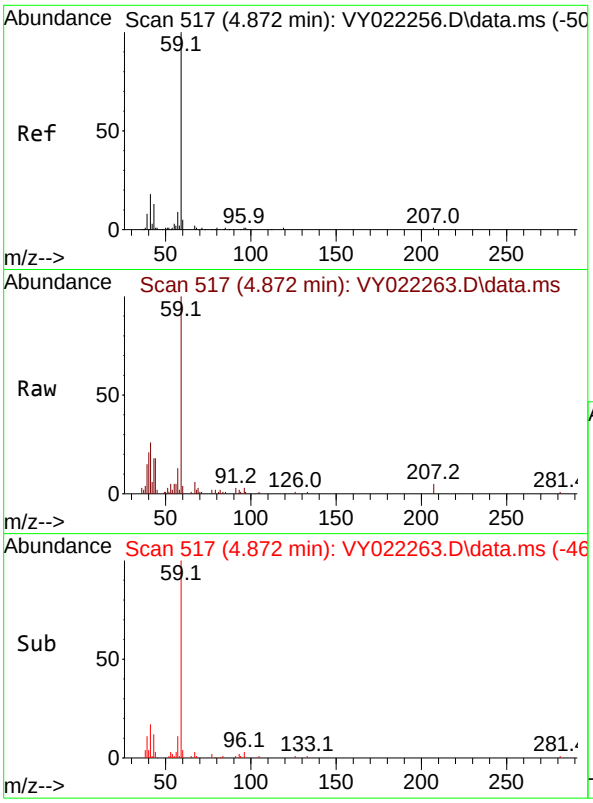


#10
Methyl Iodide
Concen: 18.984 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:142 Resp: 56585

Ion	Ratio	Lower	Upper
142	100		
127	46.1	35.7	53.5
141	14.2	11.1	16.7





#11
Tert butyl alcohol
Concen: 111.741 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 59 Resp: 2228

Ion	Ratio	Lower	Upper
59	100		
57	8.4	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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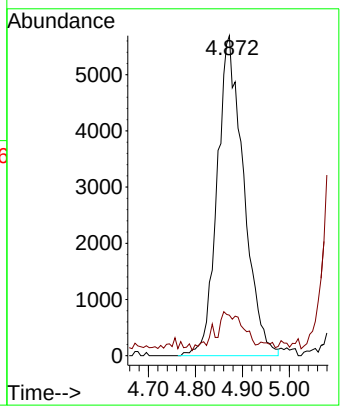
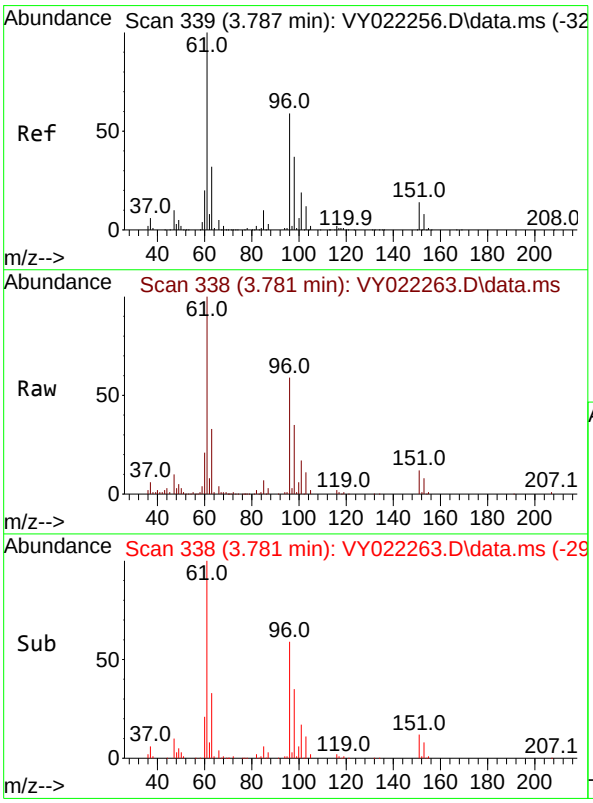
Supervised By :Semsettin Yesilyurt 05/16/2025

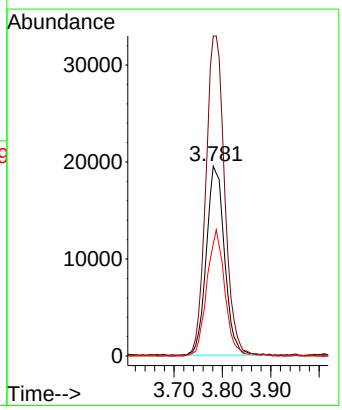


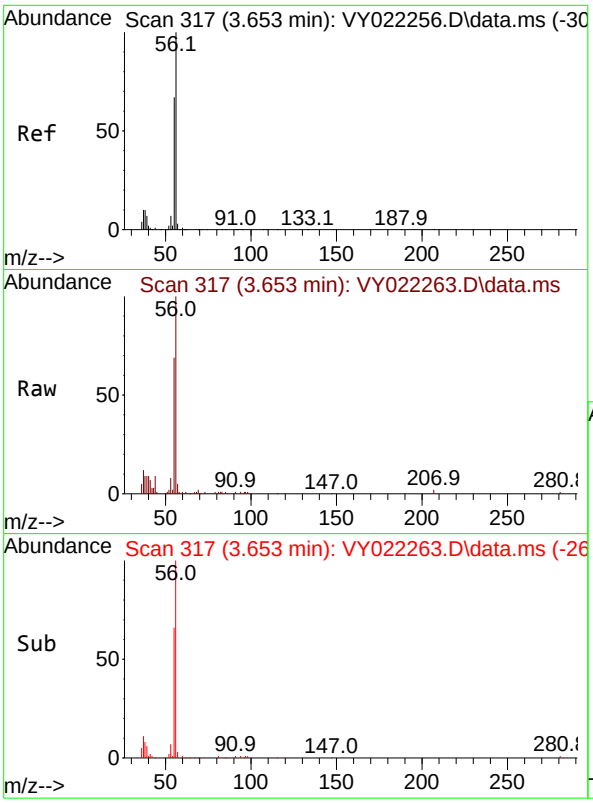


#12
1,1-Dichloroethene
Concen: 19.977 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 96 Resp: 51053

Ion	Ratio	Lower	Upper
96	100		
61	169.2	134.9	202.3
98	59.1	49.9	74.9

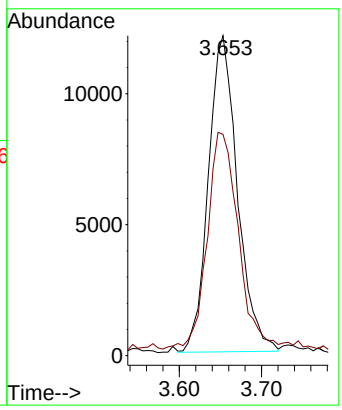




#13
Acrolein
Concen: 101.701 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 56 Resp: 2964

Ion	Ratio	Lower	Upper
56	100		
55	73.6	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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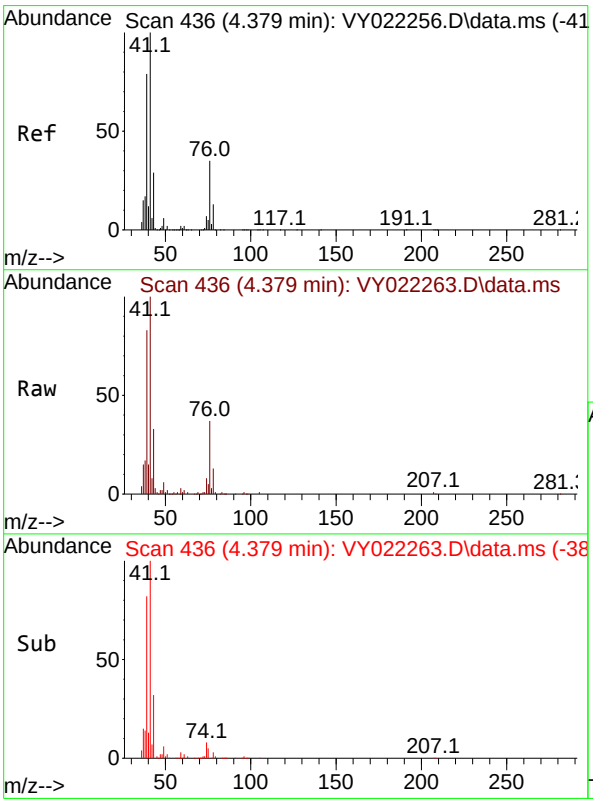
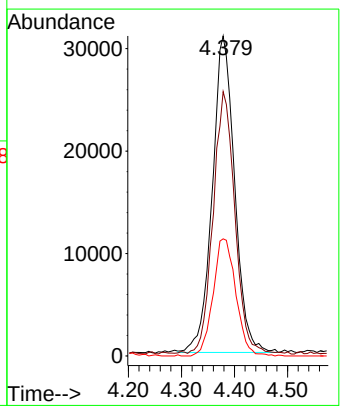
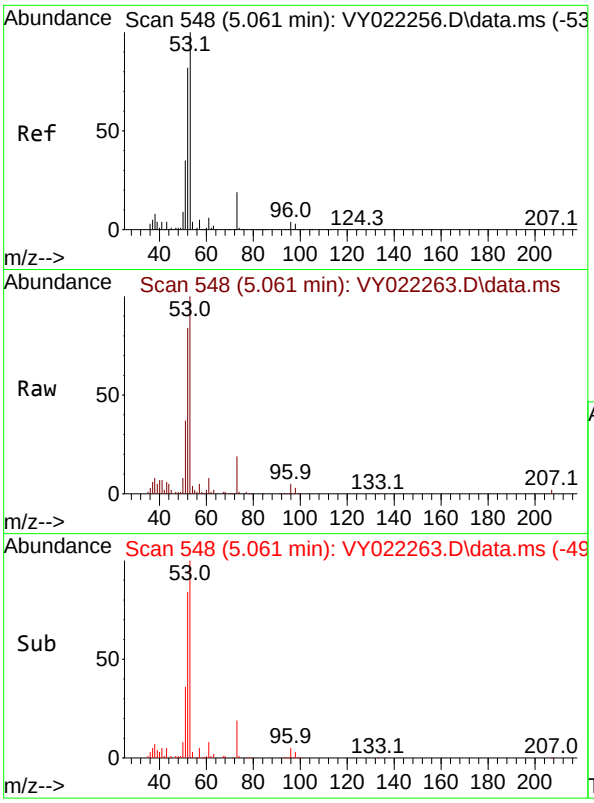


#14
Allyl chloride
Concen: 20.242 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 41 Resp: 90707

Ion	Ratio	Lower	Upper
41	100		
39	80.8	63.4	95.0
76	37.6	29.5	44.3

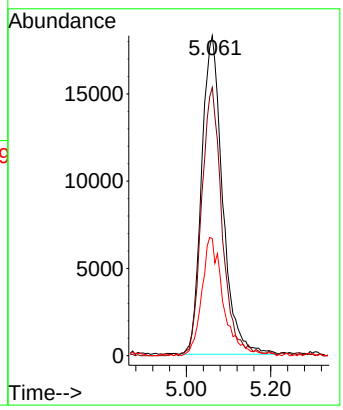




#15
Acrylonitrile
Concen: 107.846 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 53 Resp: 6326

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	38.0	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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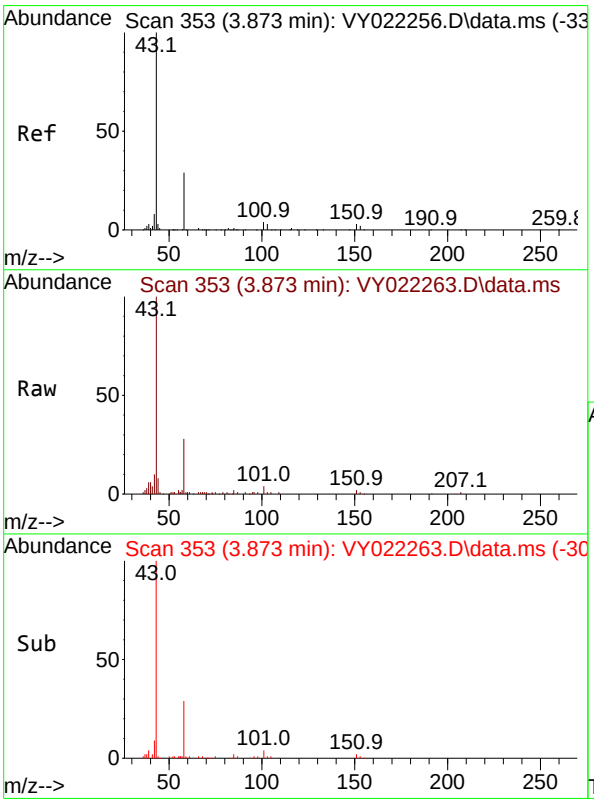
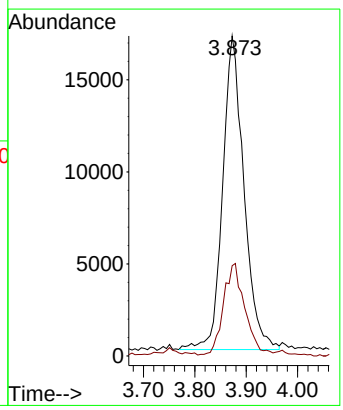
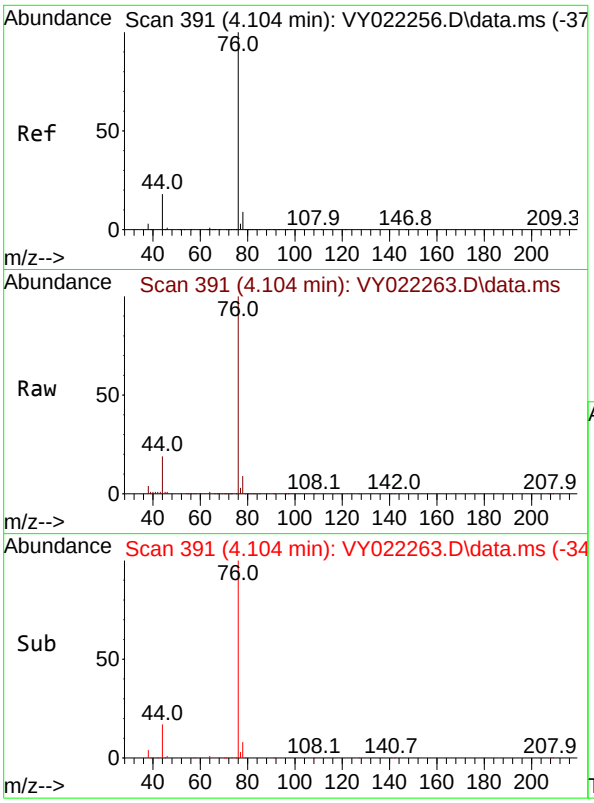


#16
Acetone
Concen: 100.243 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 49080

Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.6	35.4





#17
Carbon Disulfide
Concen: 20.511 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 76 Resp: 17093

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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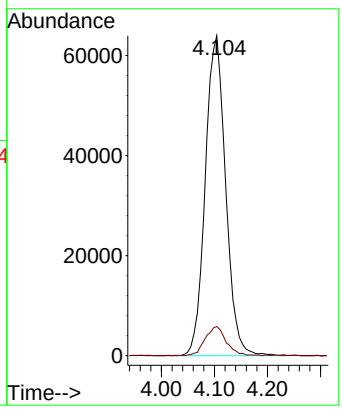
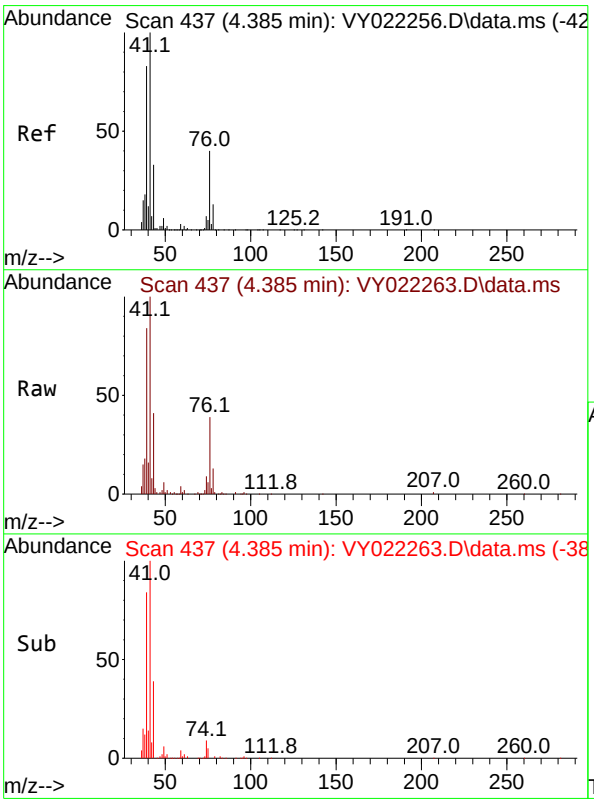
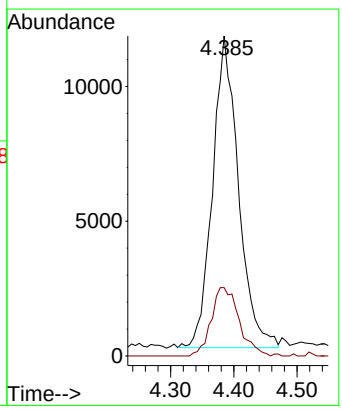


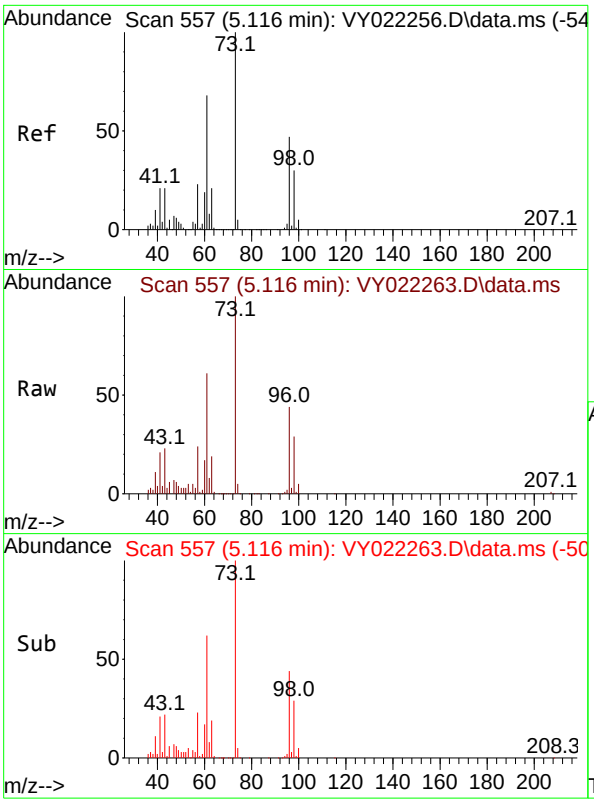


#18
Methyl Acetate
Concen: 21.277 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 32845

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.2	27.4

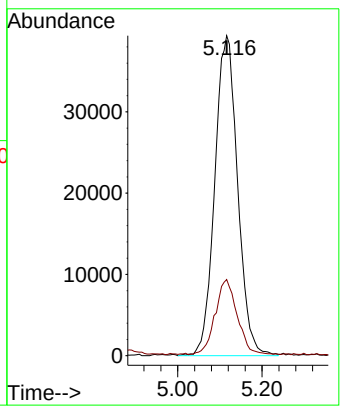




#19
Methyl tert-butyl Ether
Concen: 20.984 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 73 Resp: 14786

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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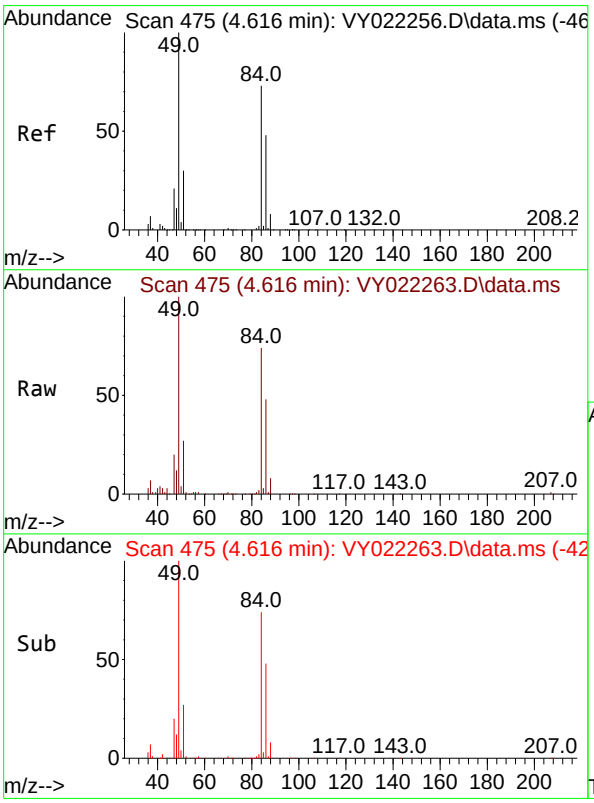
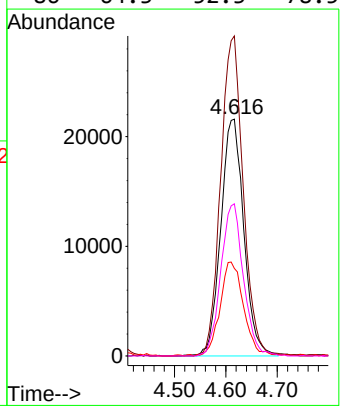
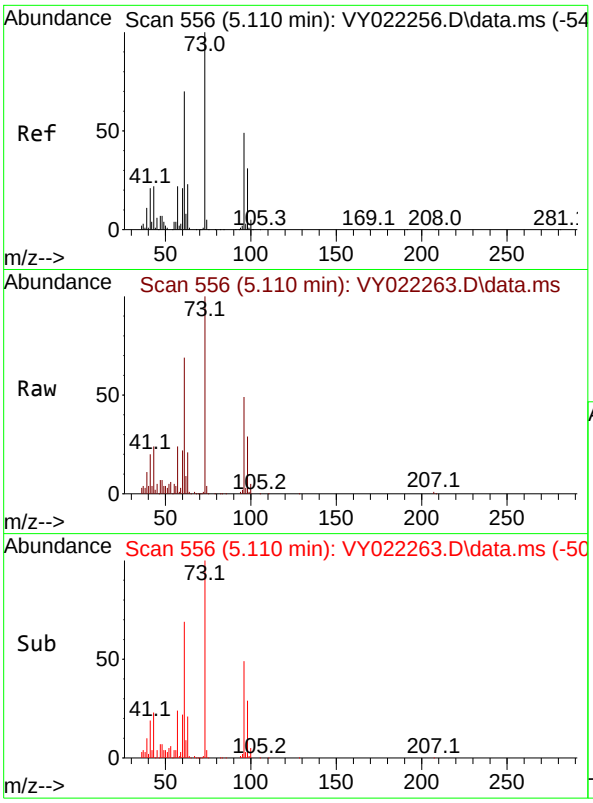


#20
Methylene Chloride
Concen: 21.257 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 84 Resp: 67252

Ion	Ratio	Lower	Upper
84	100		
49	135.1	109.6	164.4
51	36.5	32.4	48.6
86	64.3	52.3	78.5

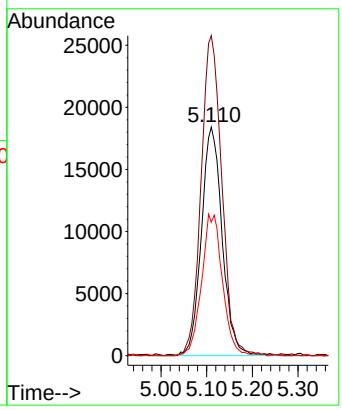




#21
trans-1,2-Dichloroethene
Concen: 20.700 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 96 Resp: 5839

Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.4	170.0
98	58.1	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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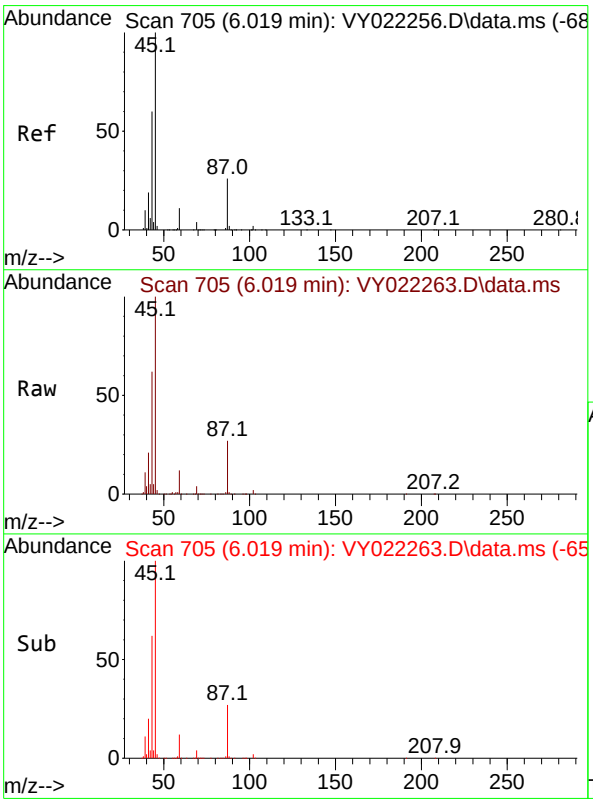
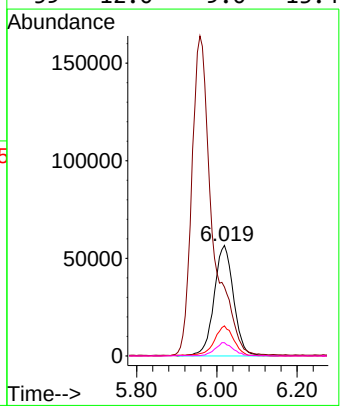
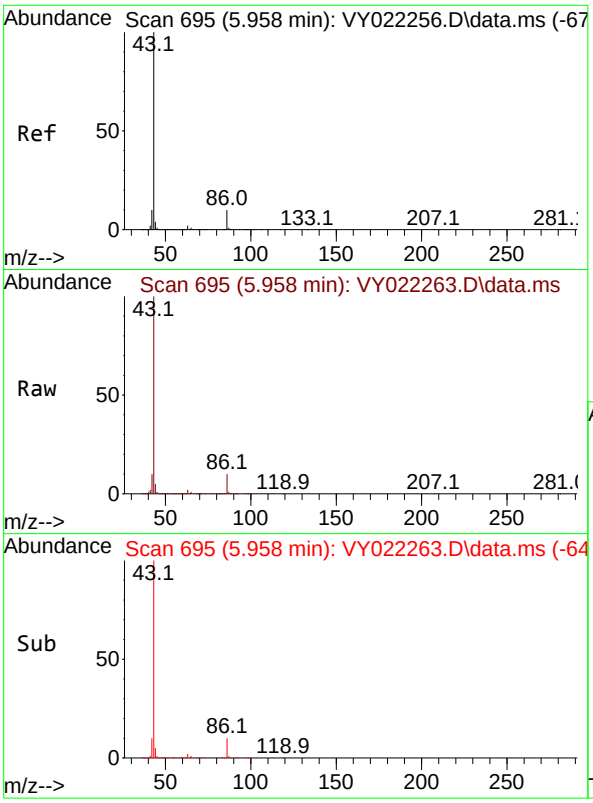


#22
Diisopropyl ether
Concen: 20.225 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 45 Resp: 191390

Ion	Ratio	Lower	Upper
45	100		
43	61.3	48.2	72.2
87	27.3	21.4	32.0
59	12.0	9.0	13.4





#23
Vinyl Acetate
Concen: 101.820 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 58210

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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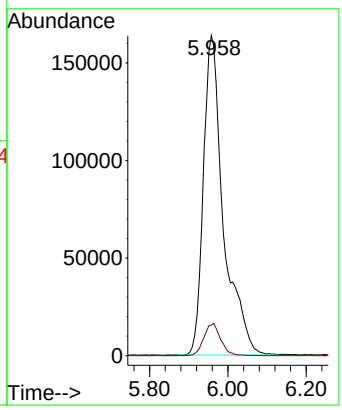
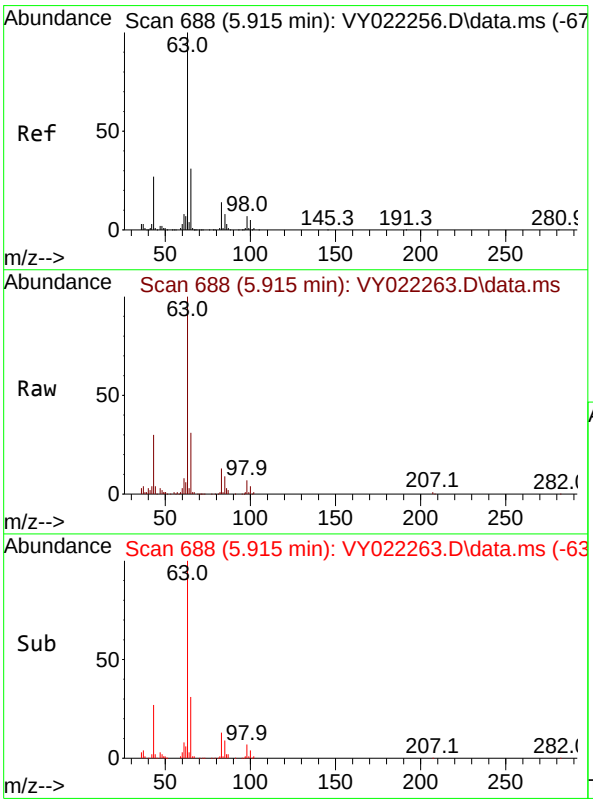
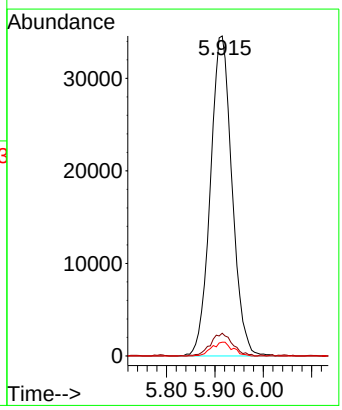


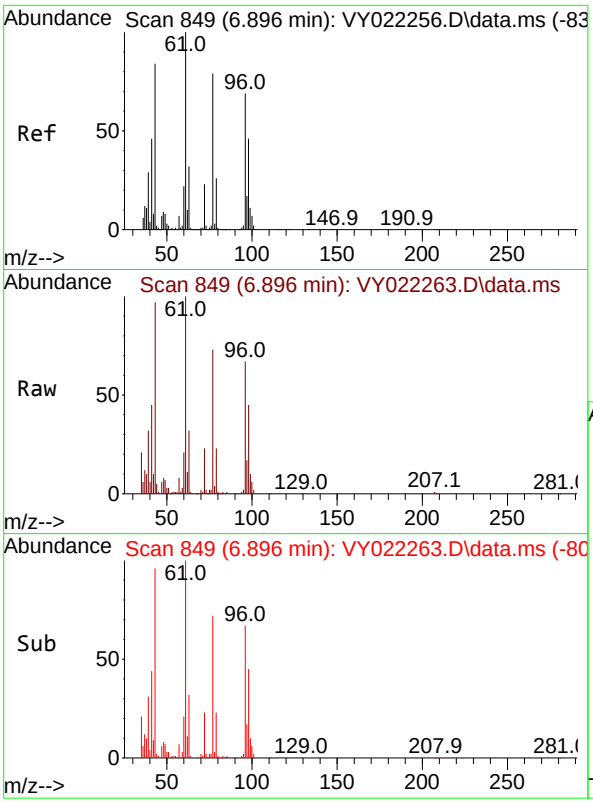


#24
1,1-Dichloroethane
Concen: 20.303 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 63 Resp: 107336

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.5
100	4.3	2.4	7.2





#25
2-Butanone
Concen: 103.553 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 8480

Ion	Ratio	Lower	Upper
43	100		
72	24.3	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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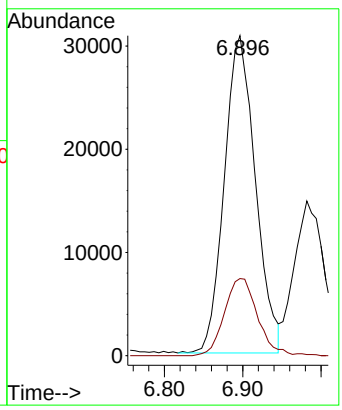
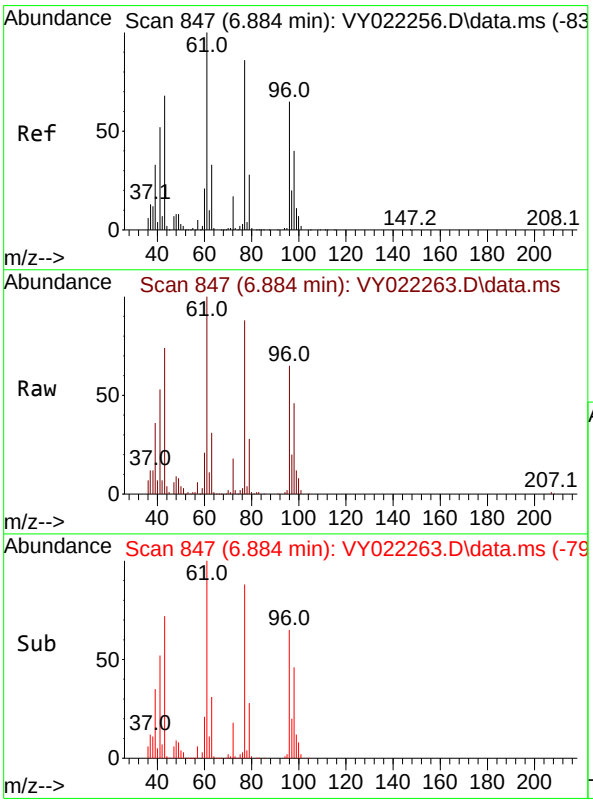
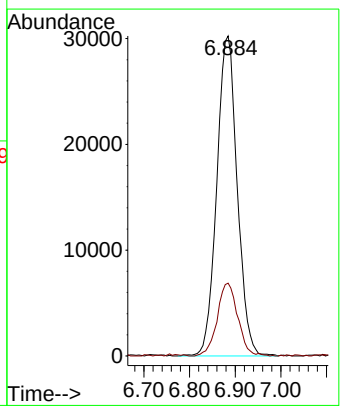


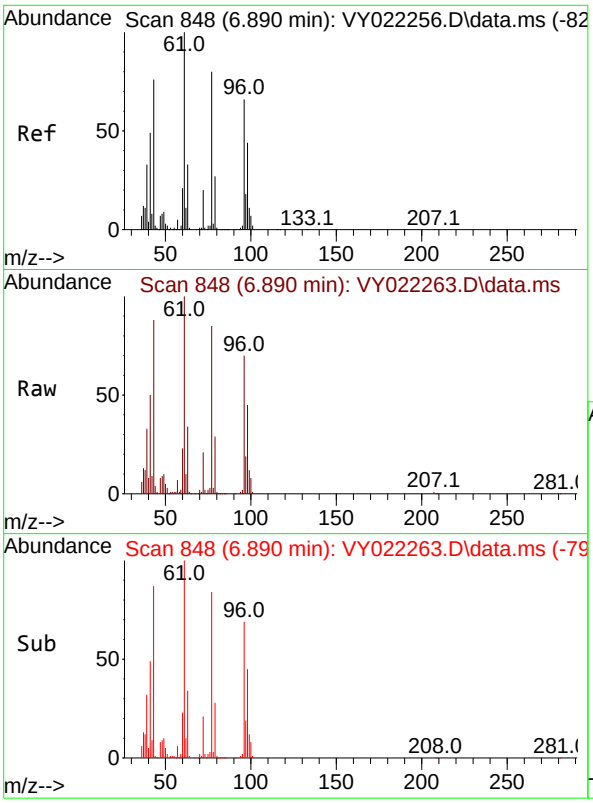


#26
2,2-Dichloropropane
Concen: 20.013 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 77 Resp: 94109

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 20.118 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 96 Resp: 6548

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	302.6
98	65.3	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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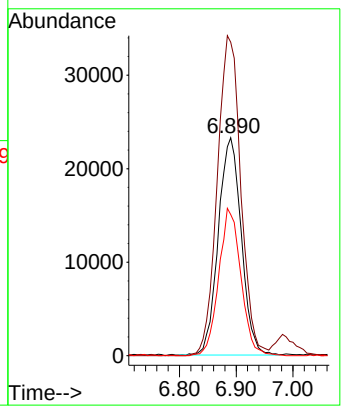
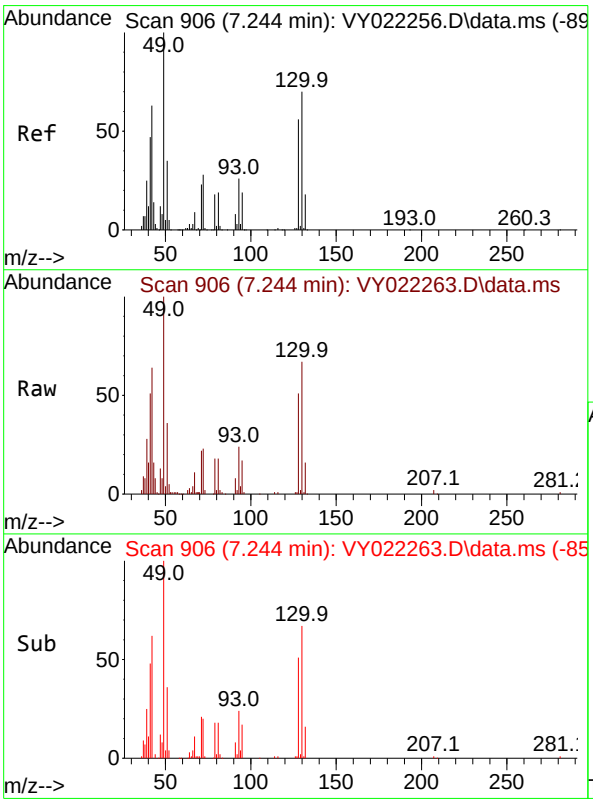
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

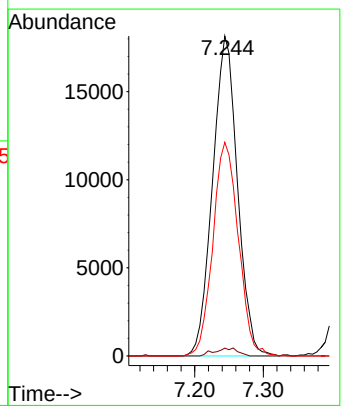


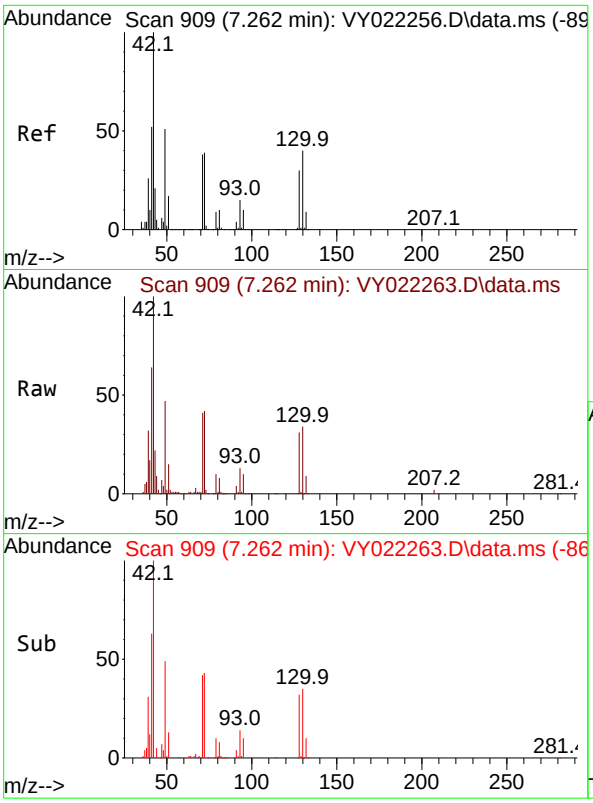


#28
Bromochloromethane
Concen: 20.301 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 49 Resp: 45781

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	68.3	54.7	82.1





#29
Tetrahydrofuran
Concen: 109.345 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 42 Resp: 5761

Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.8	50.6
71	41.5	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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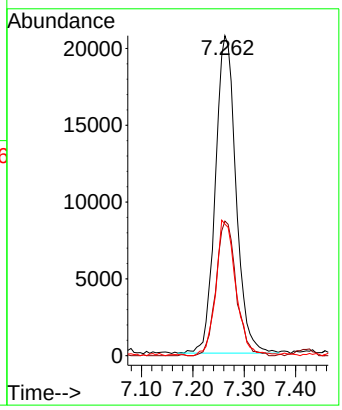
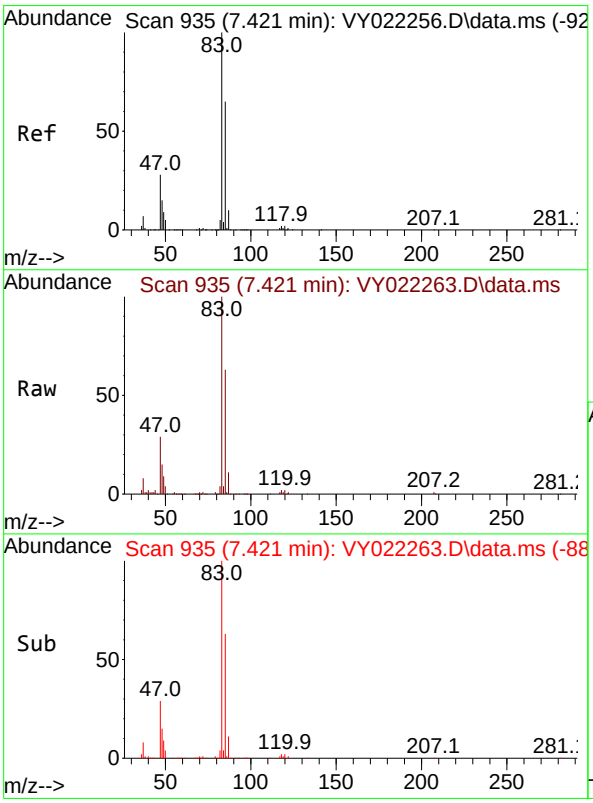
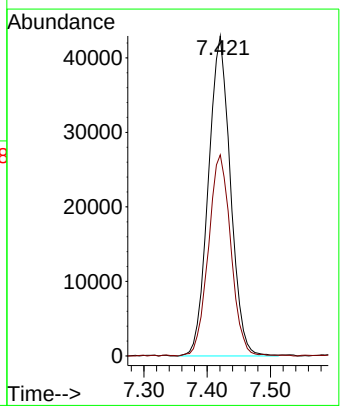


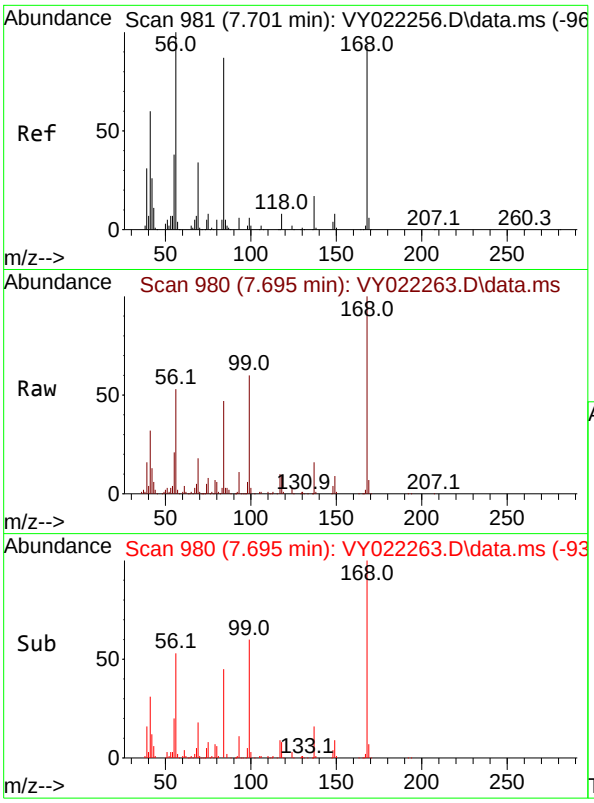


#30
Chloroform
Concen: 20.505 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 83 Resp: 103980

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8

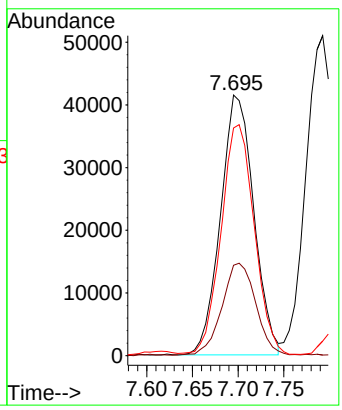




#31
Cyclohexane
Concen: 19.873 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 56 Resp: 10497

Ion	Ratio	Lower	Upper
56	100		
69	34.5	27.4	41.2
84	86.8	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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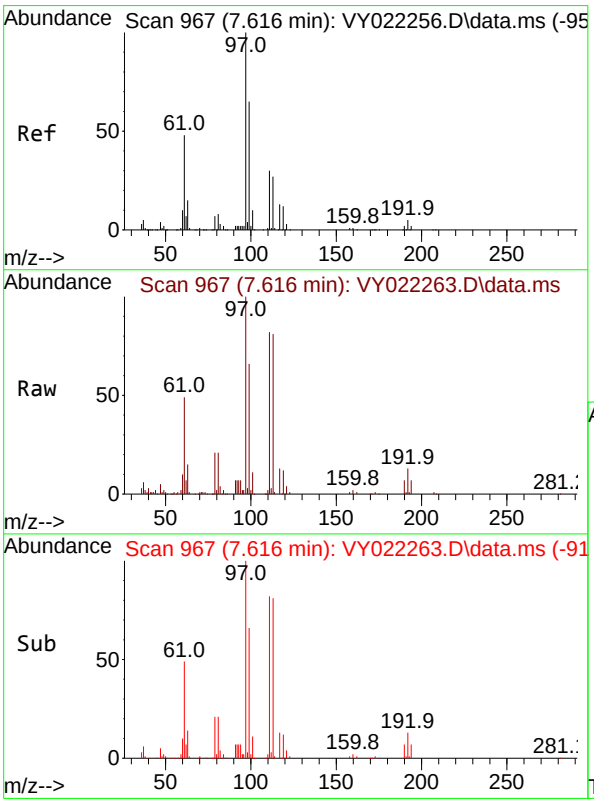
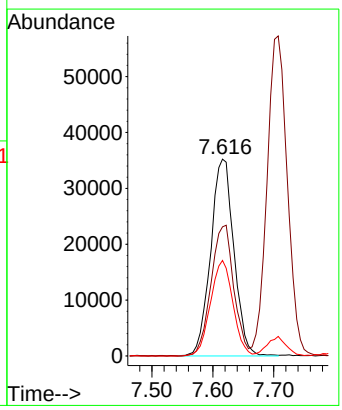
Supervised By :Semsettin Yesilyurt 05/16/2025

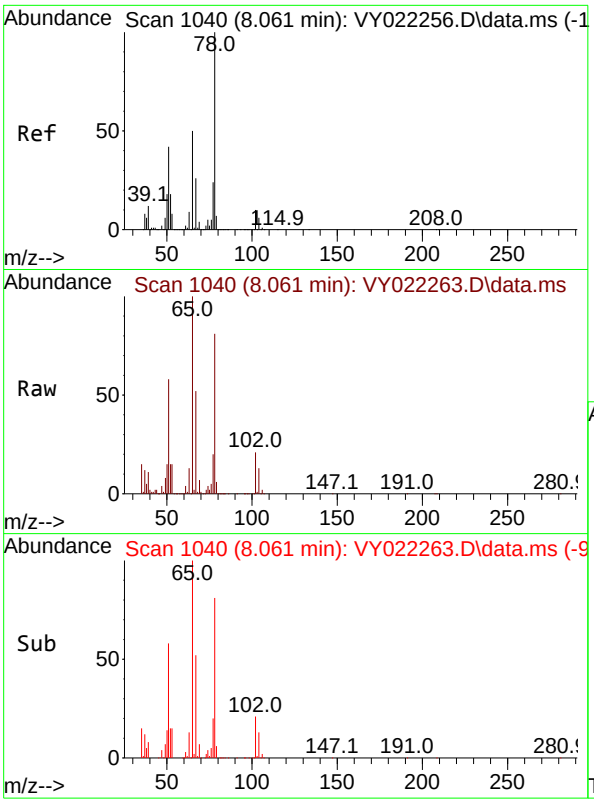


#32
1,1,1-Trichloroethane
Concen: 20.102 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 97 Resp: 93522

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	46.7	38.1	57.1

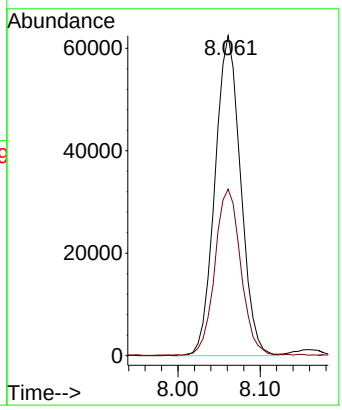




#33
1,2-Dichloroethane-d4
Concen: 51.941 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 65 Resp: 13562

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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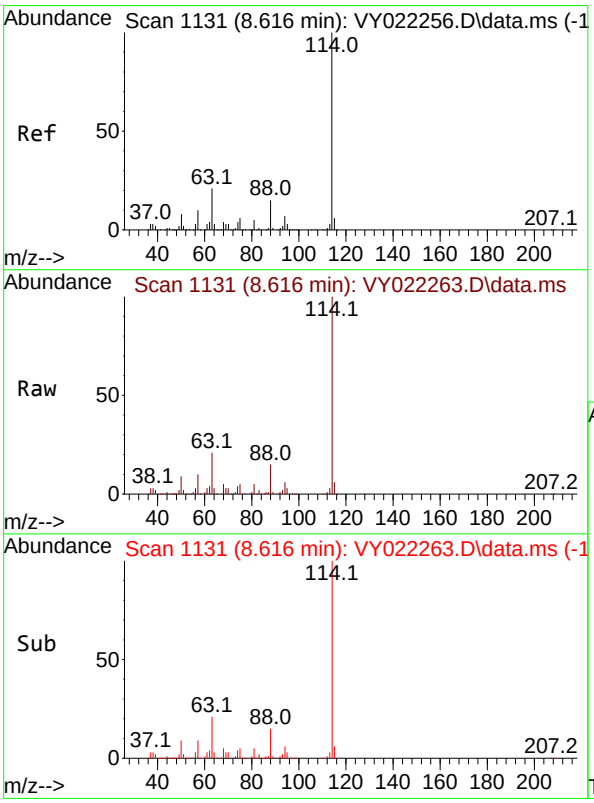
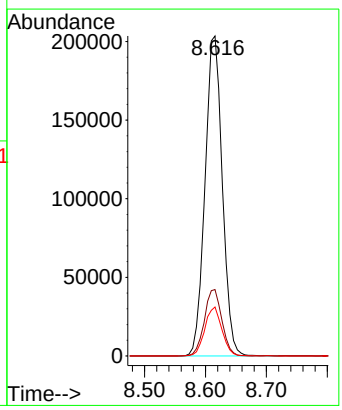
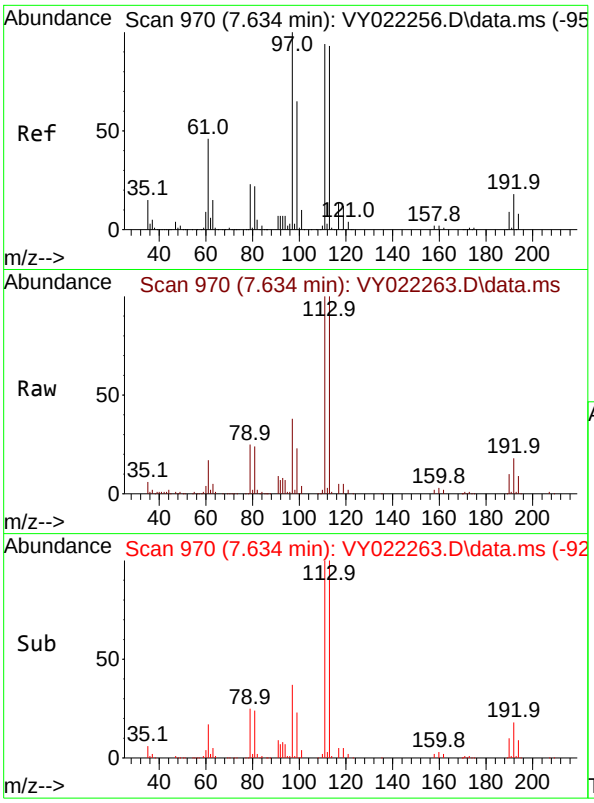


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:114 Resp: 402031

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	15.3	0.0	29.4

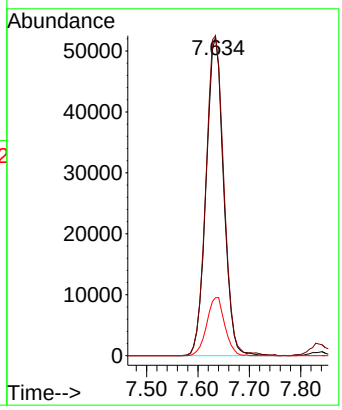




#35
Dibromofluoromethane
Concen: 51.366 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:113 Resp: 12325

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	18.9	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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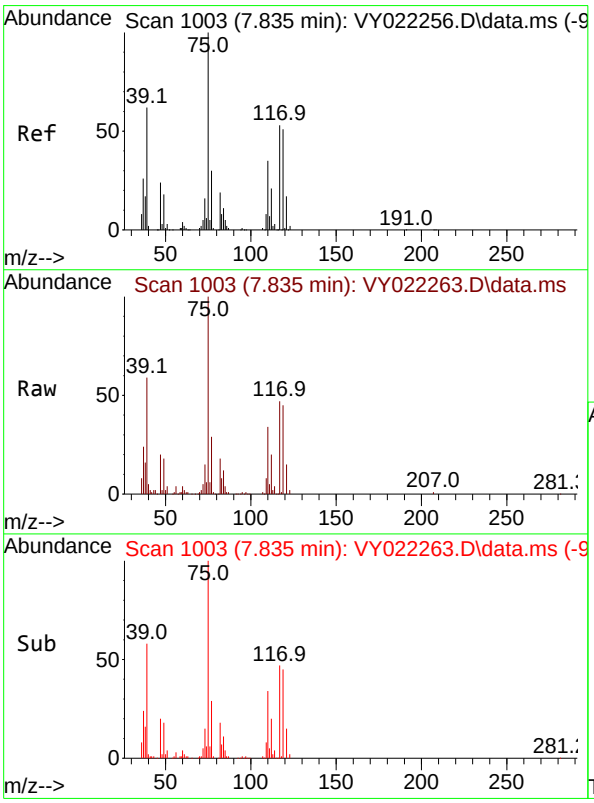
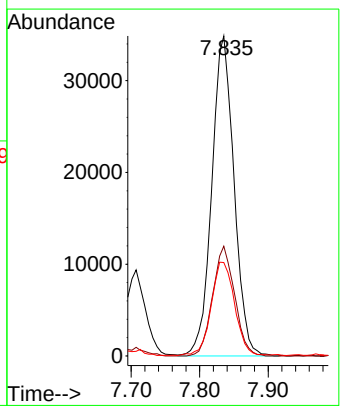
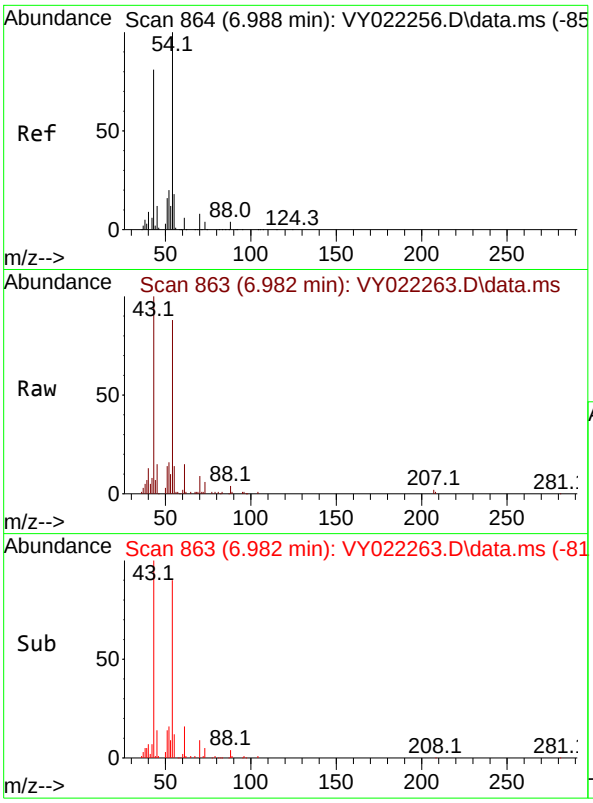


#36
1,1-Dichloropropene
Concen: 19.899 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 78647

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.6	49.8
77	30.4	24.6	37.0

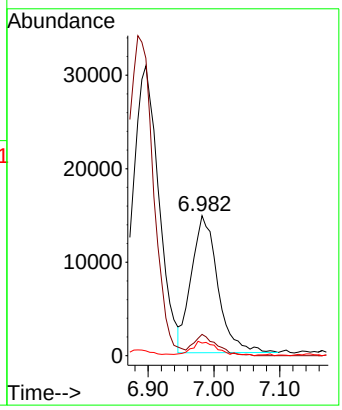




#37
Ethyl Acetate
Concen: 21.564 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 4100

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.2
70	10.3	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
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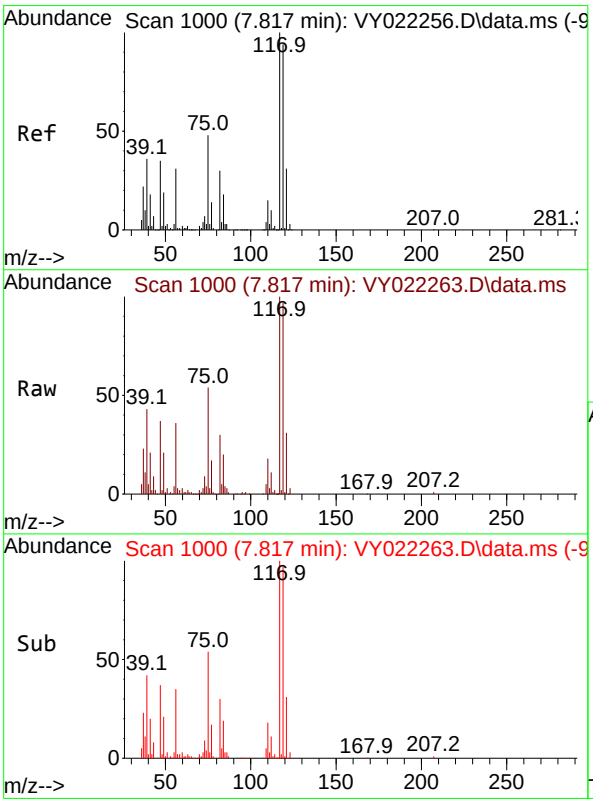
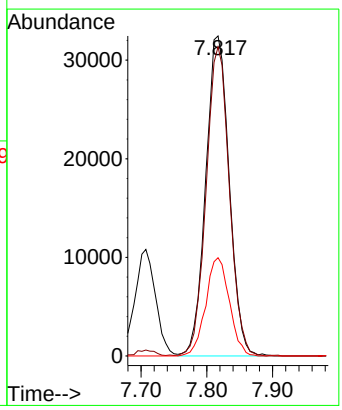
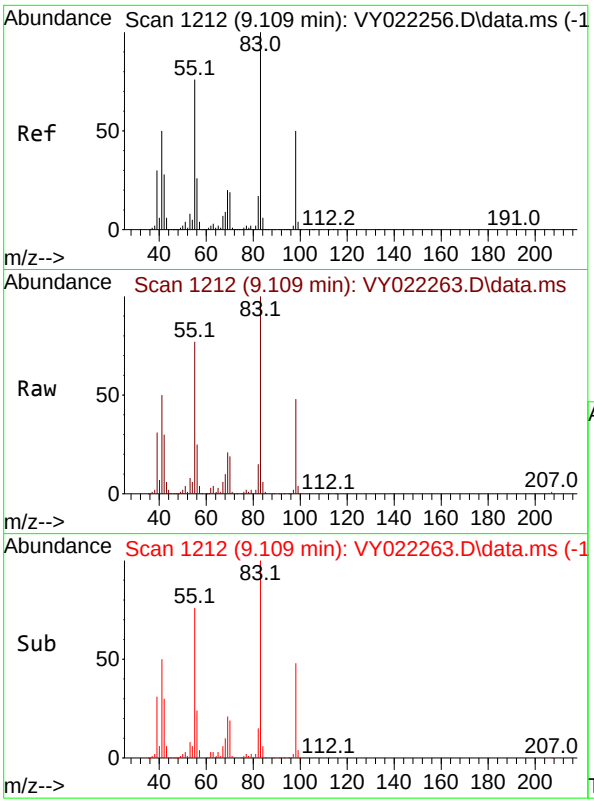


#38
Carbon Tetrachloride
Concen: 19.785 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:117 Resp: 80942

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.3	112.9
121	30.7	24.7	37.1





#39
Methylcyclohexane
Concen: 19.962 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 83 Resp: 10599

Ion	Ratio	Lower	Upper
83	100		
55	76.5	60.6	90.8
98	47.6	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
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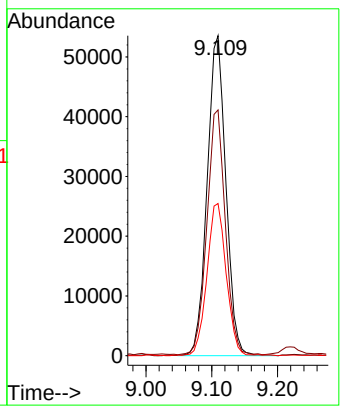
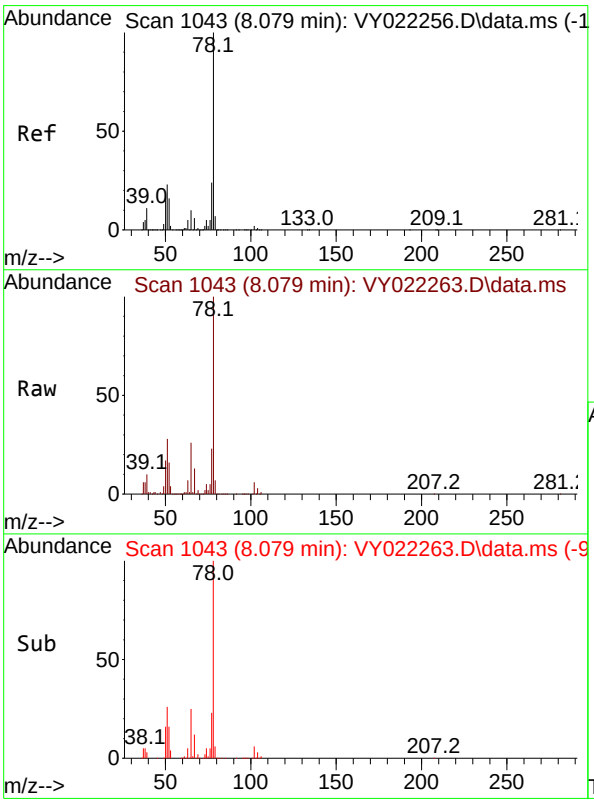
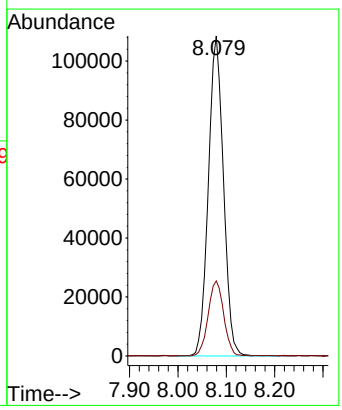


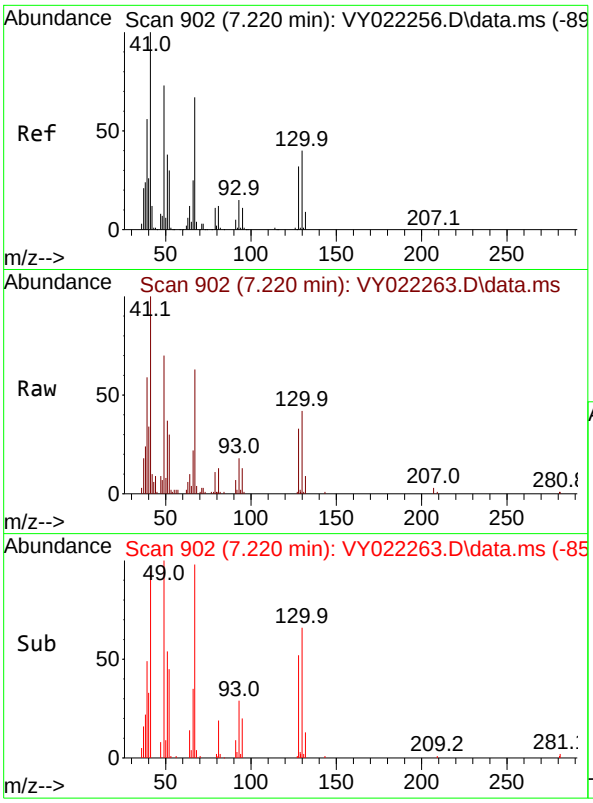


#40
Benzene
Concen: 20.035 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 78 Resp: 234747

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3

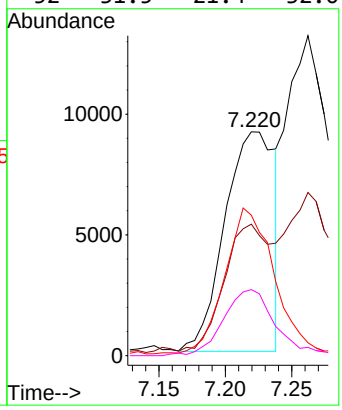




#41
Methacrylonitrile
Concen: 18.834 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 41 Resp: 2375

Ion	Ratio	Lower	Upper
41	100		
39	48.9	39.1	58.7
67	66.5	47.1	70.7
52	31.5	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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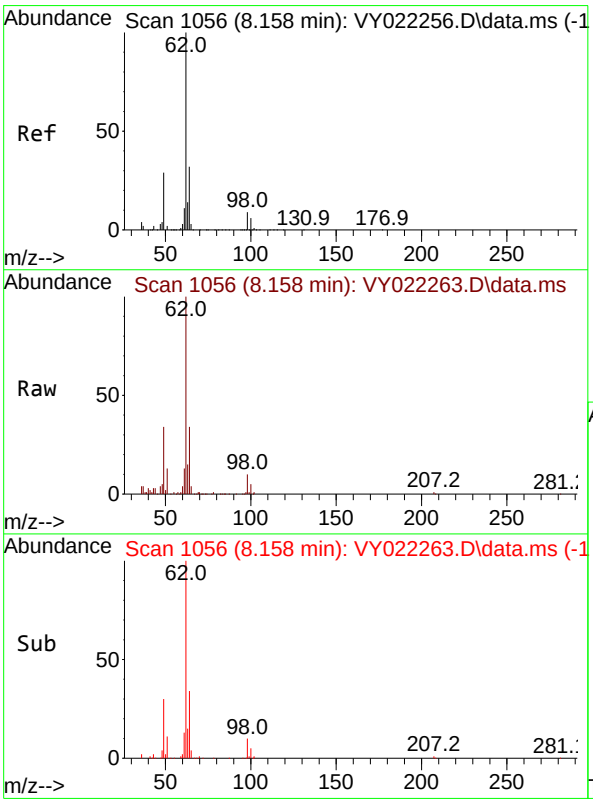
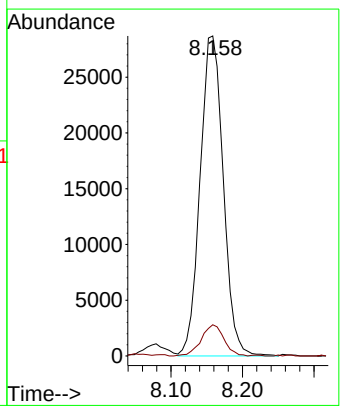
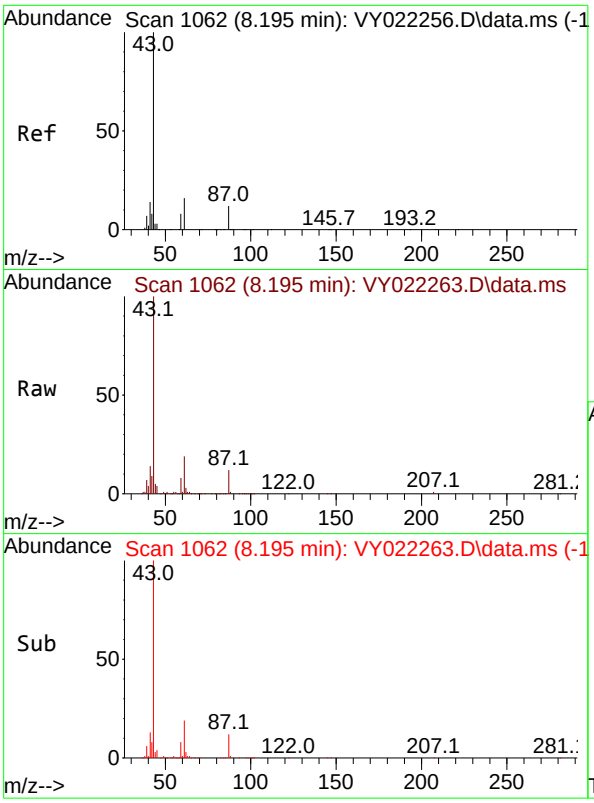


#42
1,2-Dichloroethane
Concen: 20.377 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 62 Resp: 64565

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43
Isopropyl Acetate
Concen: 20.869 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 8655

Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.1	22.7
87	12.1	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
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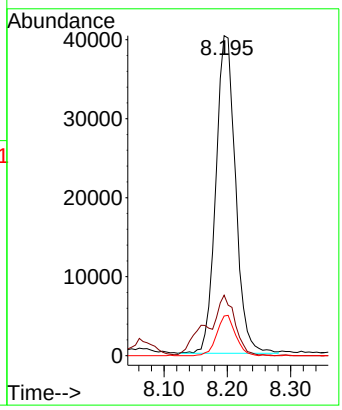
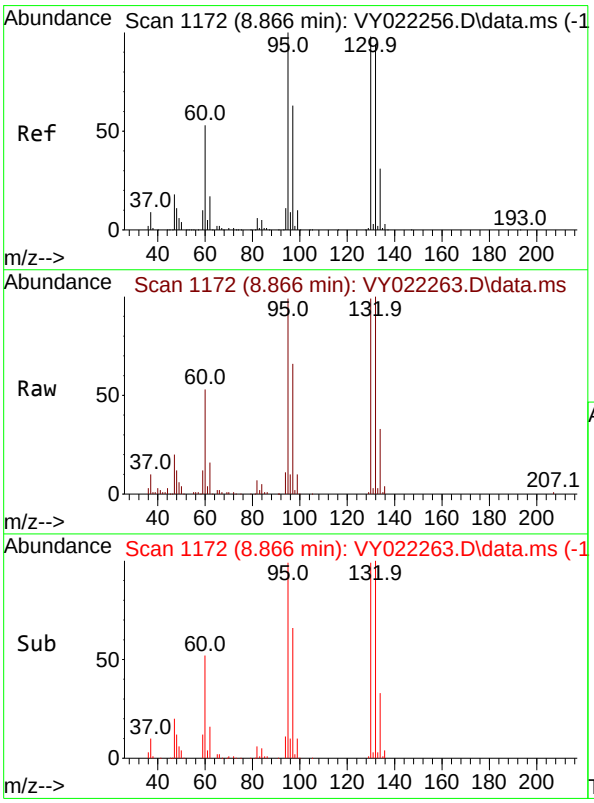
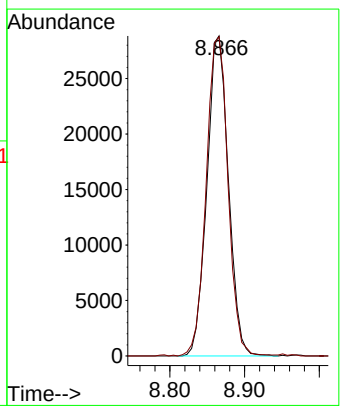


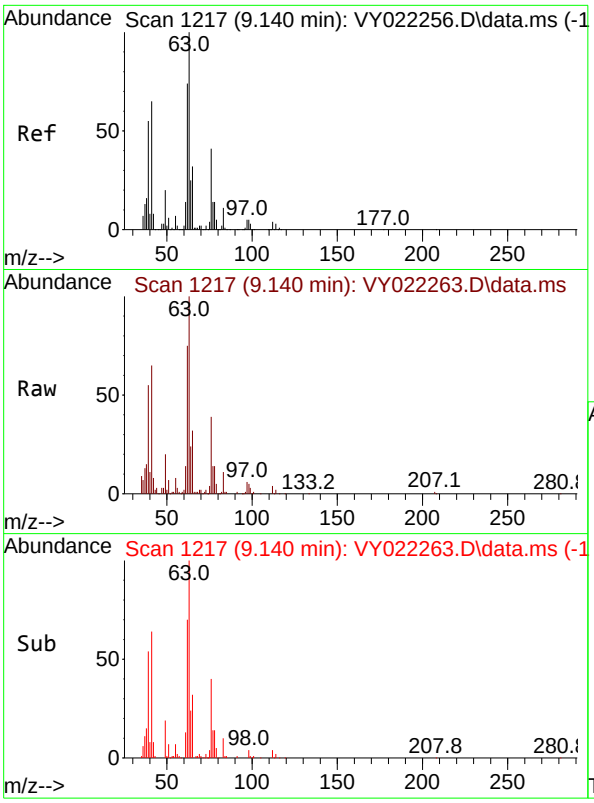


#44
Trichloroethene
Concen: 19.807 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:130 Resp: 57705

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	204.8

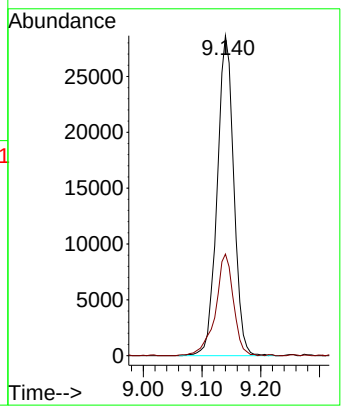




#45
1,2-Dichloropropane
Concen: 19.911 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 63 Resp: 5624

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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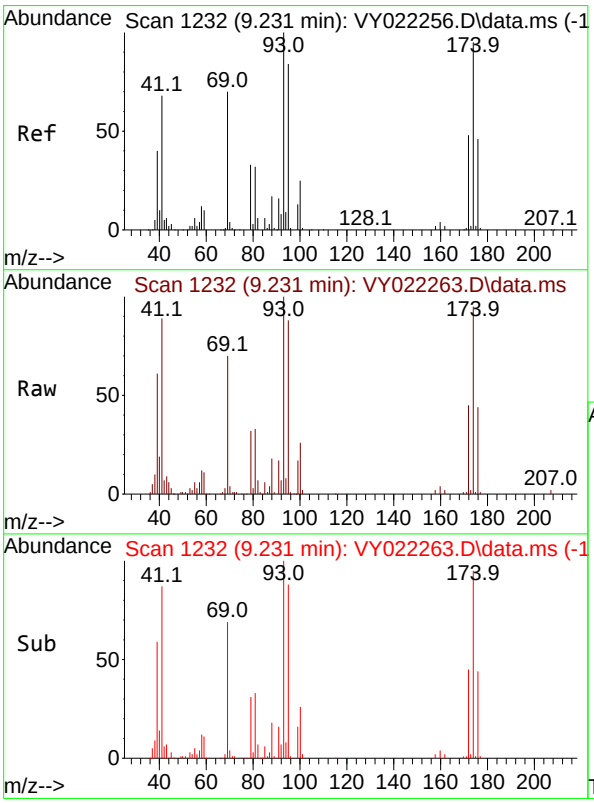
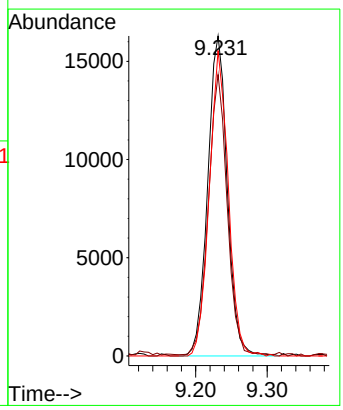
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

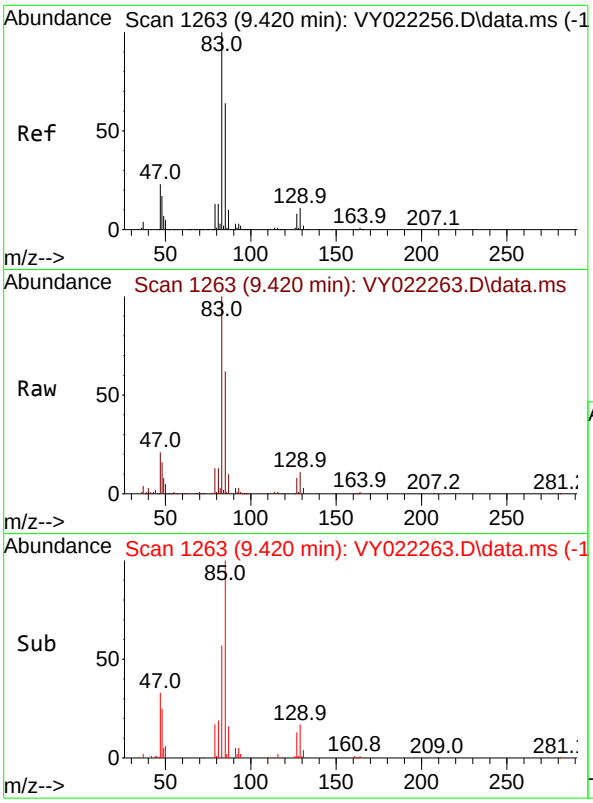


#46
Dibromomethane
Concen: 20.354 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 93 Resp: 31011

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.2	97.8
174	92.6	74.3	111.5

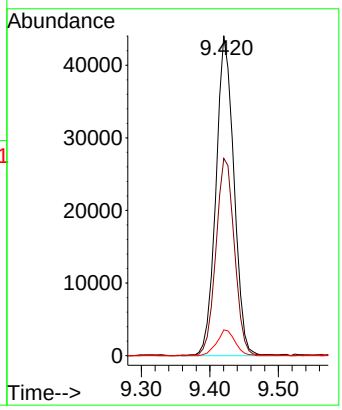




#47
Bromodichloromethane
Concen: 20.295 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 83 Resp: 8021

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7
127	8.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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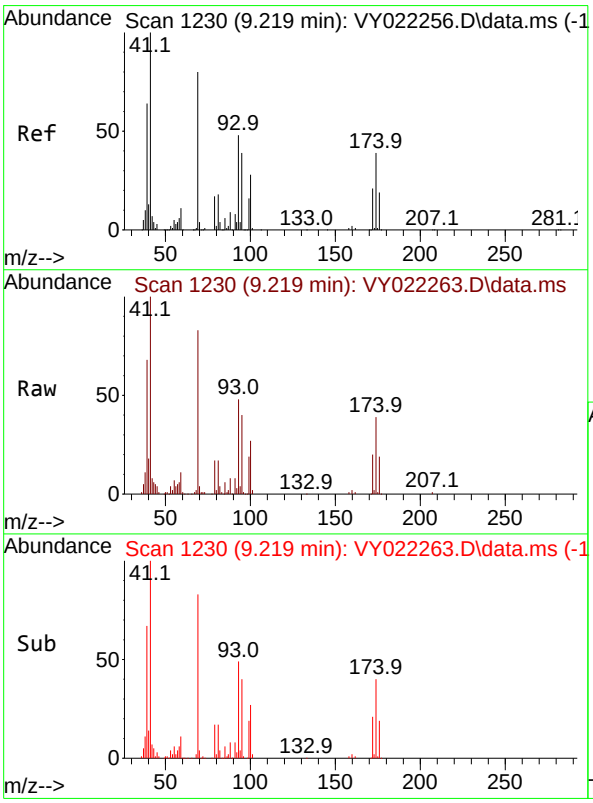
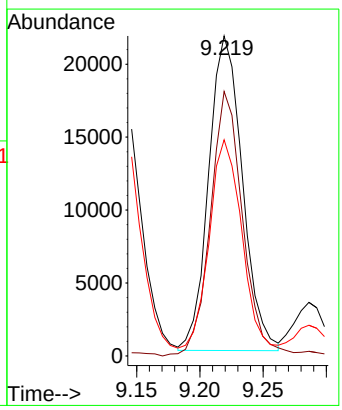
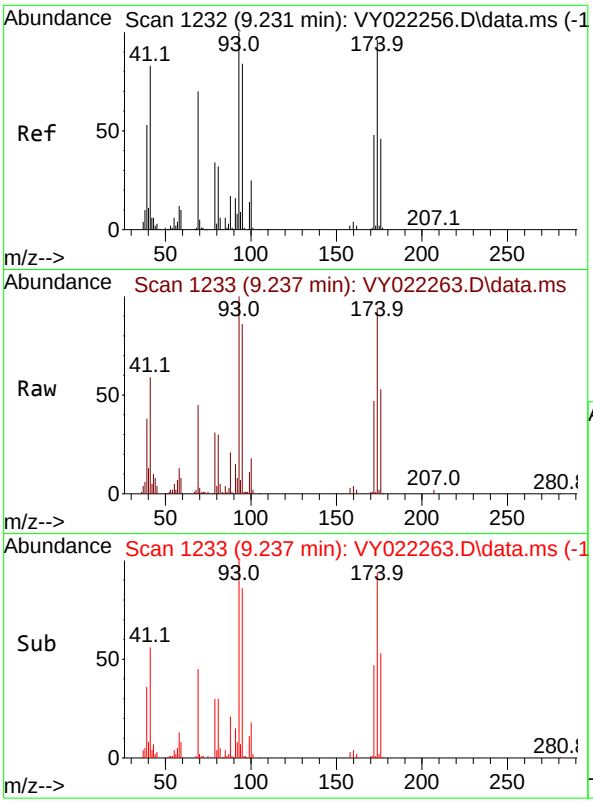


#48
Methyl methacrylate
Concen: 20.576 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 41 Resp: 39908

Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.5	95.3
39	63.6	50.8	76.2

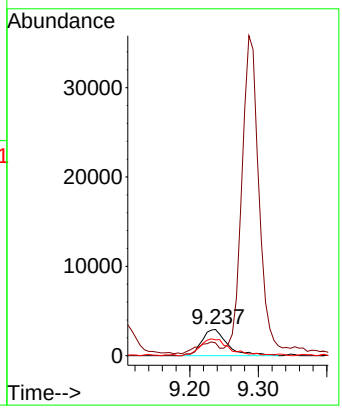




#49
1,4-Dioxane
Concen: 444.632 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 88 Resp: 765

Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.5	42.7
58	72.7	61.4	92.2



Instrument :
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ClientSampleId :
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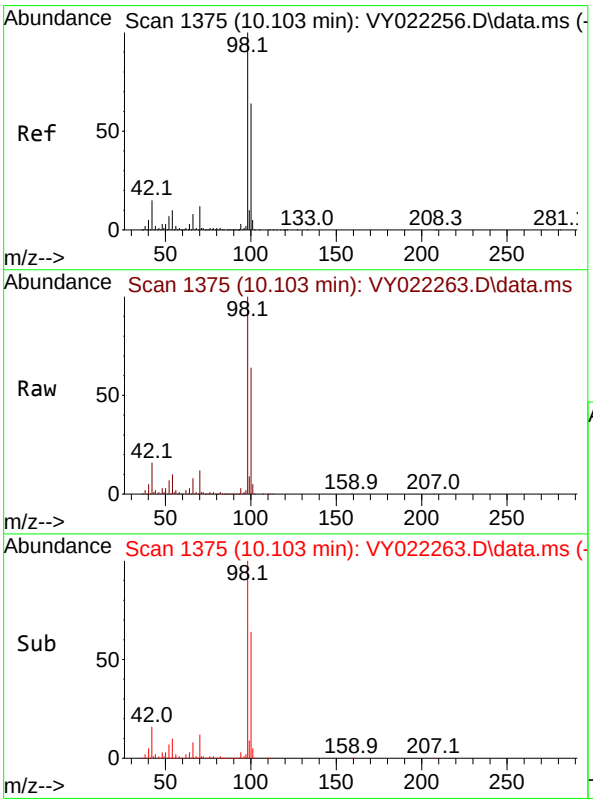
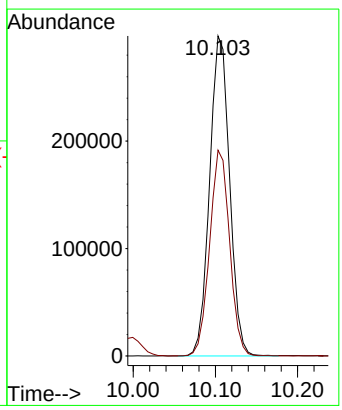
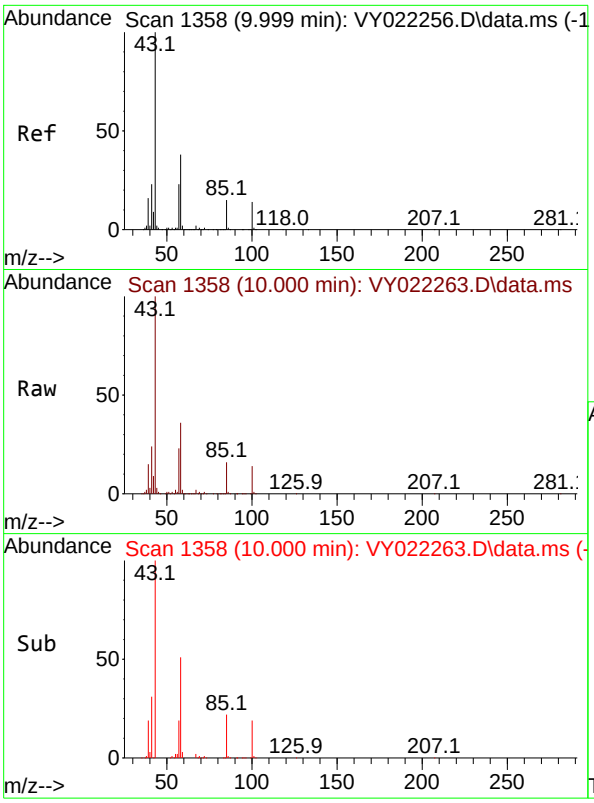


#50
Toluene-d8
Concen: 51.242 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 98 Resp: 503583

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

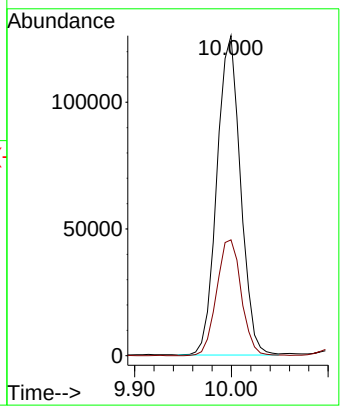




#51
4-Methyl-2-Pentanone
Concen: 105.023 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 21372

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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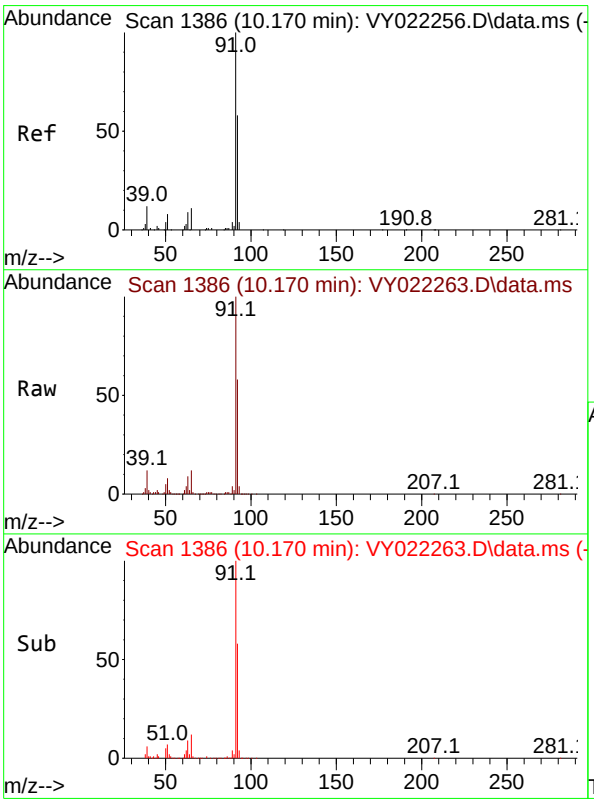
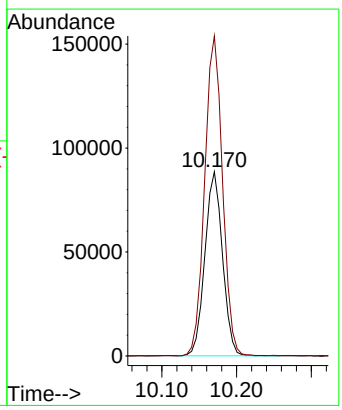
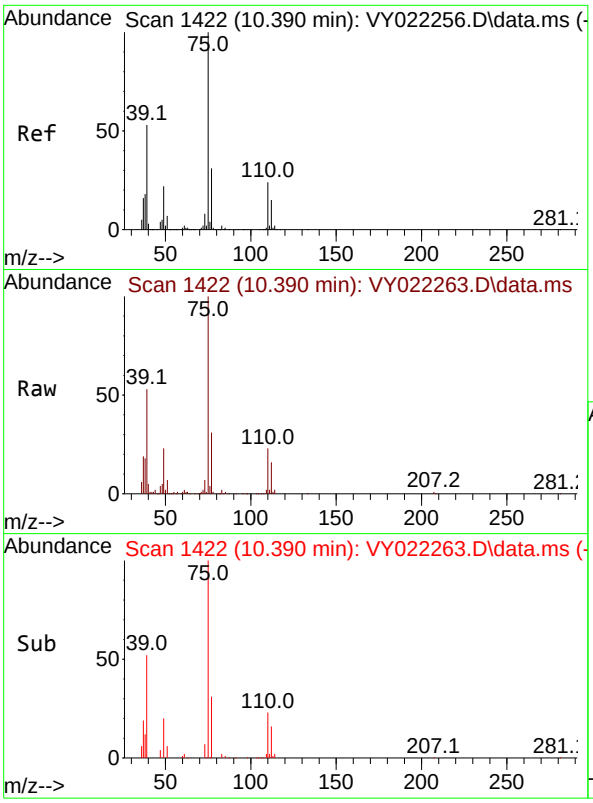


#52
Toluene
Concen: 19.501 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 92 Resp: 144686

Ion	Ratio	Lower	Upper
92	100		
91	175.8	139.1	208.7

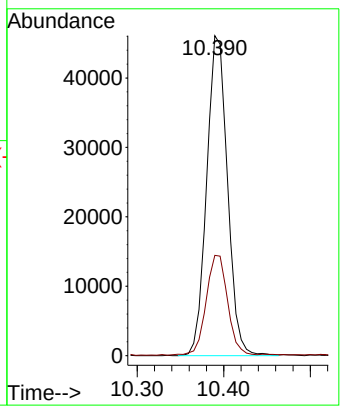




#53
t-1,3-Dichloropropene
Concen: 19.949 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 7695

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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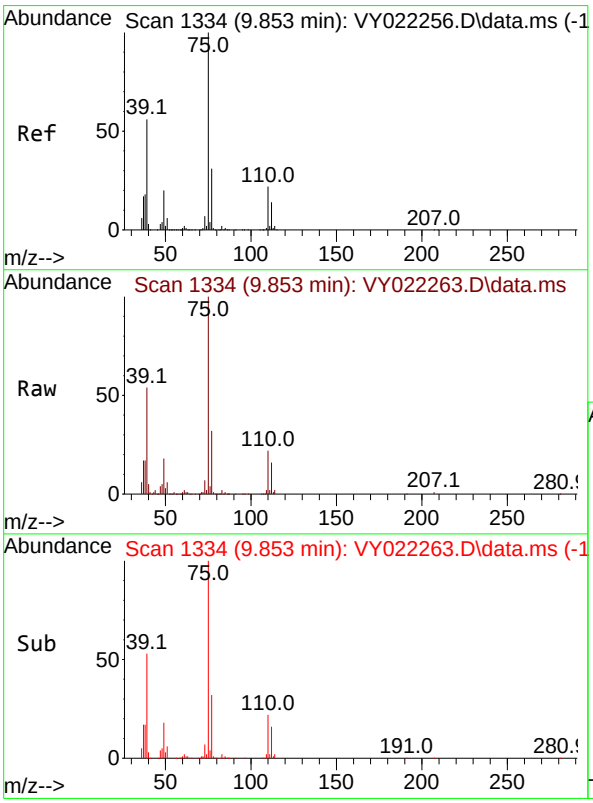
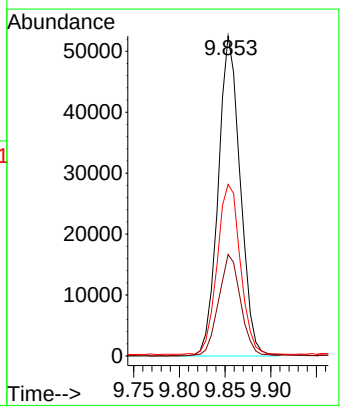
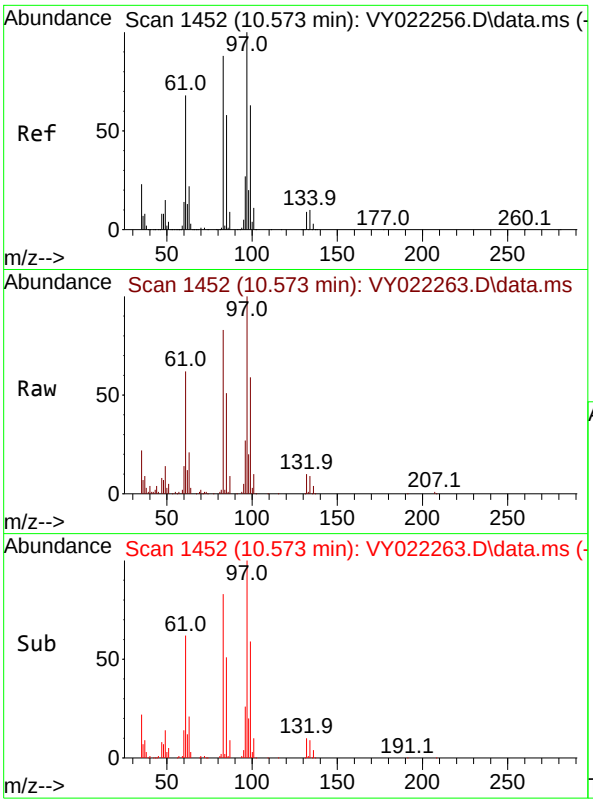


#54
cis-1,3-Dichloropropene
Concen: 19.924 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 88052

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	53.1	44.5	66.7

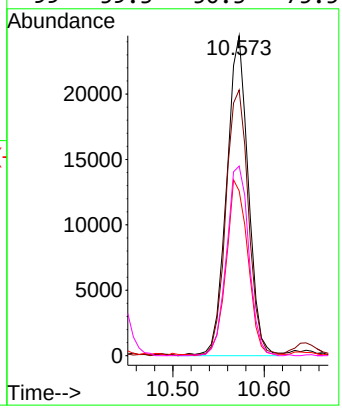




#55
1,1,2-Trichloroethane
Concen: 20.615 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 97 Resp: 4022

Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.3	105.5
85	51.1	46.2	69.4
99	59.3	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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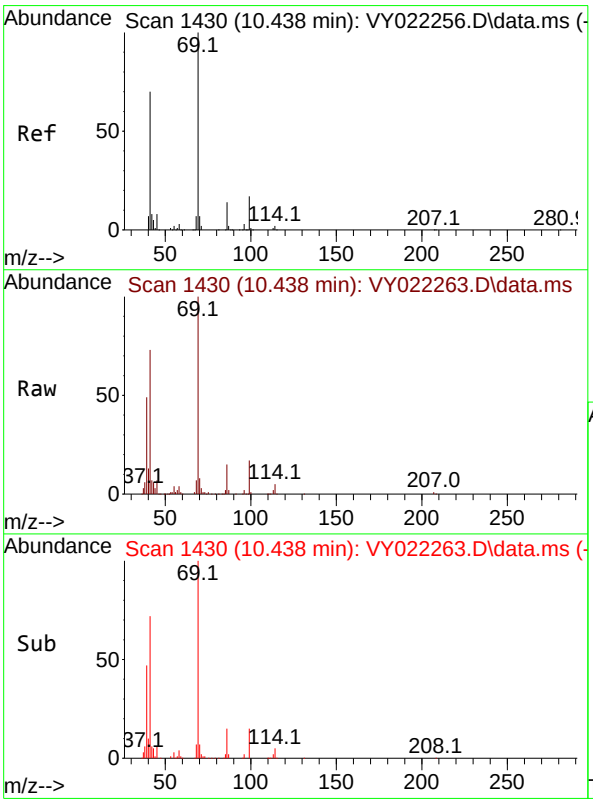
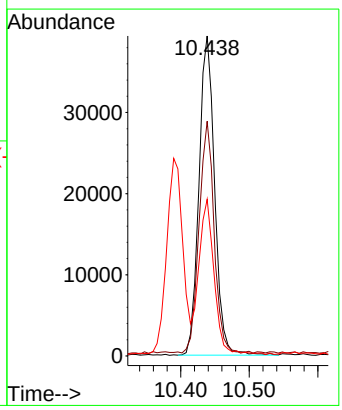
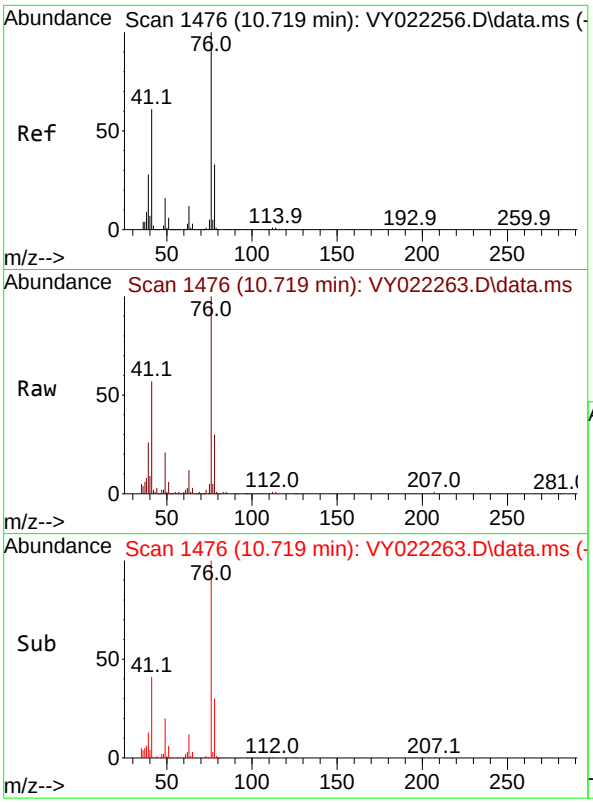


#56
Ethyl methacrylate
Concen: 20.583 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 69 Resp: 62553

Ion	Ratio	Lower	Upper
69	100		
41	69.8	56.5	84.7
39	47.6	37.1	55.7

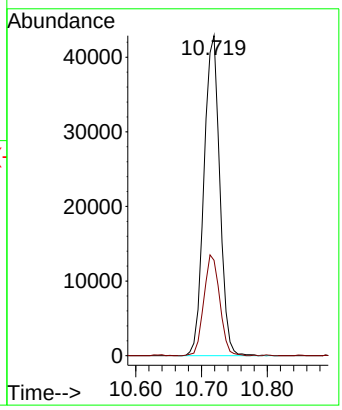




#57
1,3-Dichloropropane
Concen: 20.625 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 76 Resp: 7149

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8



Instrument :
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ClientSampleId :
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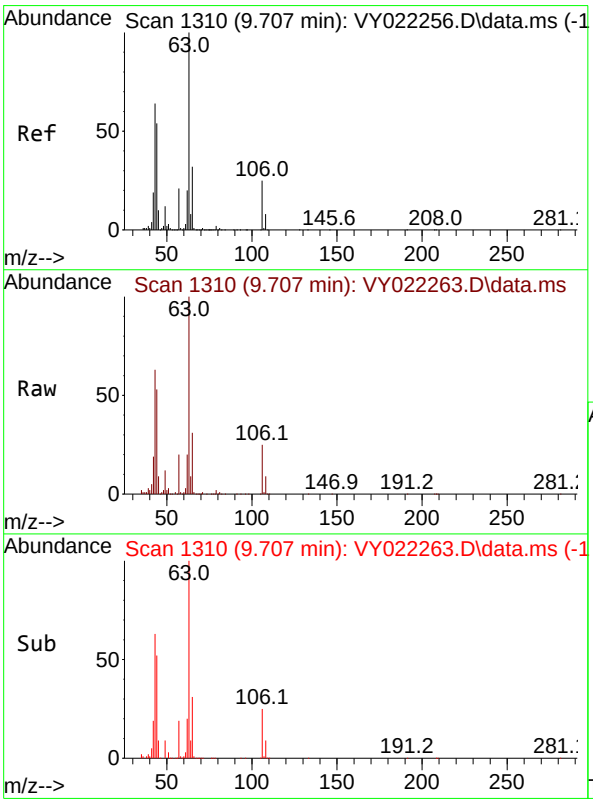
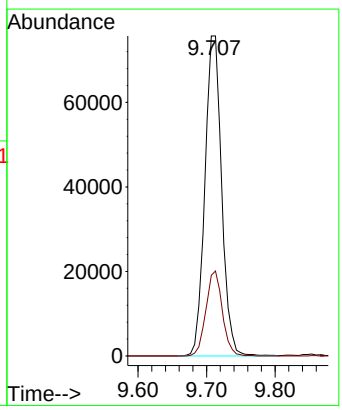
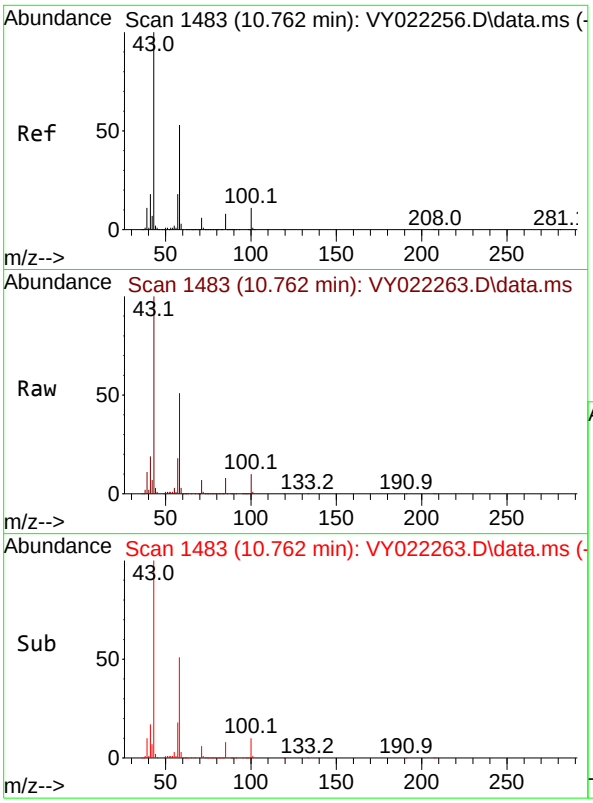


#58
2-Chloroethyl Vinyl ether
Concen: 94.593 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 63 Resp: 129032

Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.0	31.4

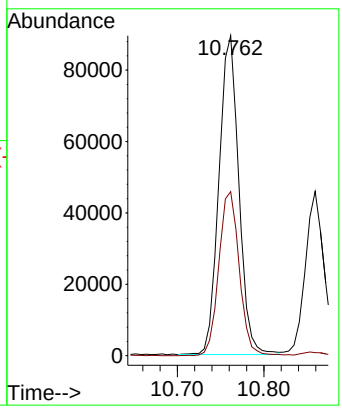




#59
2-Hexanone
Concen: 104.509 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 14259

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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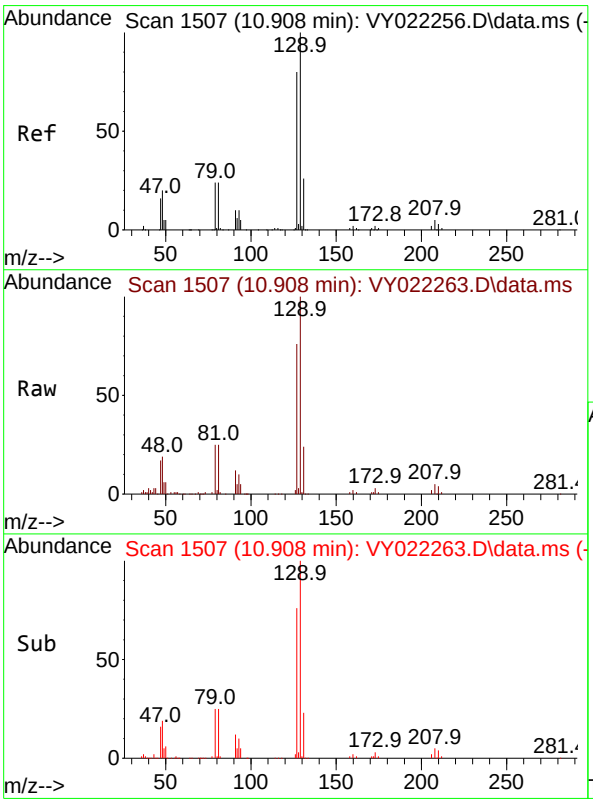
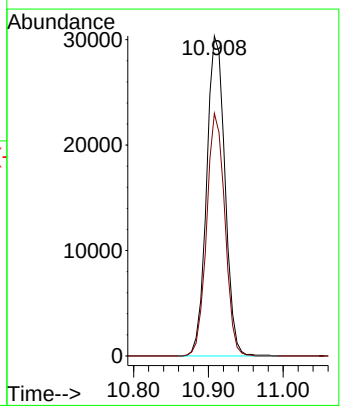
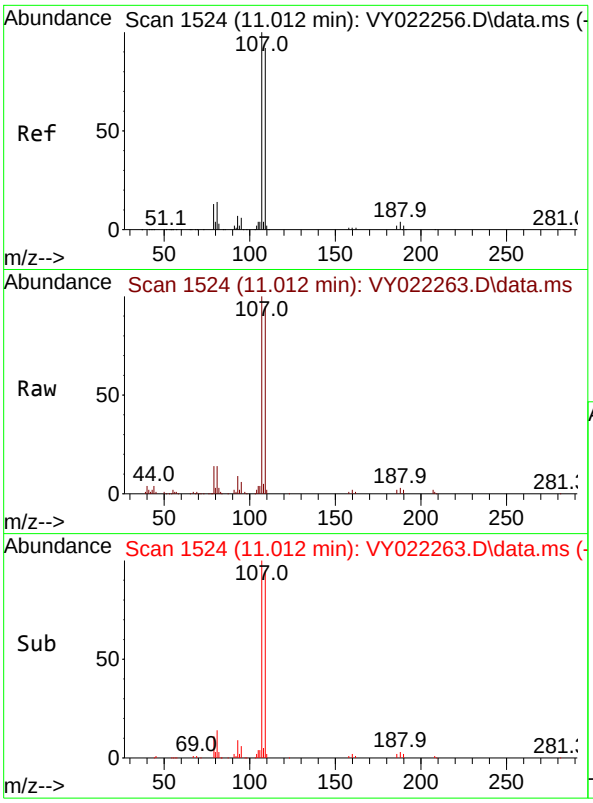


#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:129 Resp: 51719

Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.6	115.7

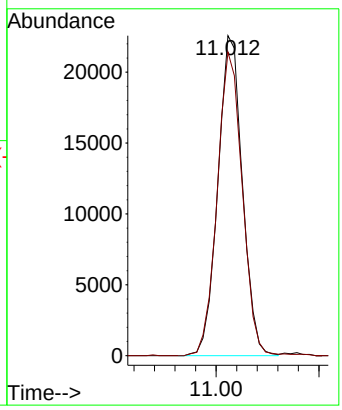




#61
1,2-Dibromoethane
Concen: 20.509 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:107 Resp: 3729

Ion	Ratio	Lower	Upper
107	100		
109	97.3	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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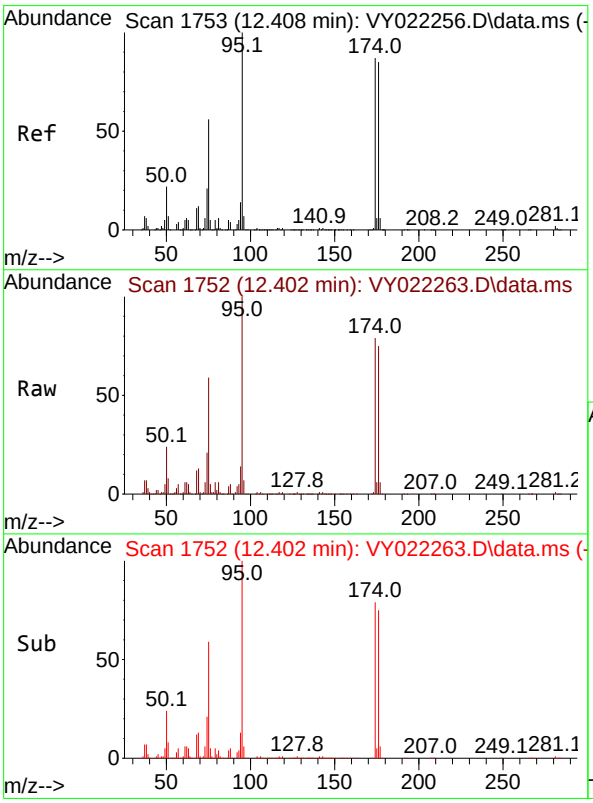
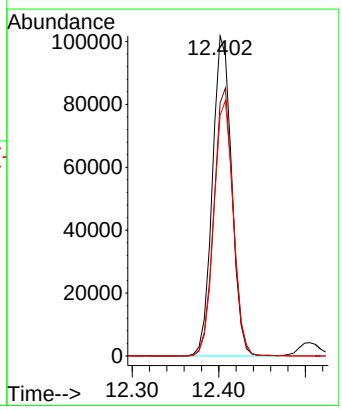
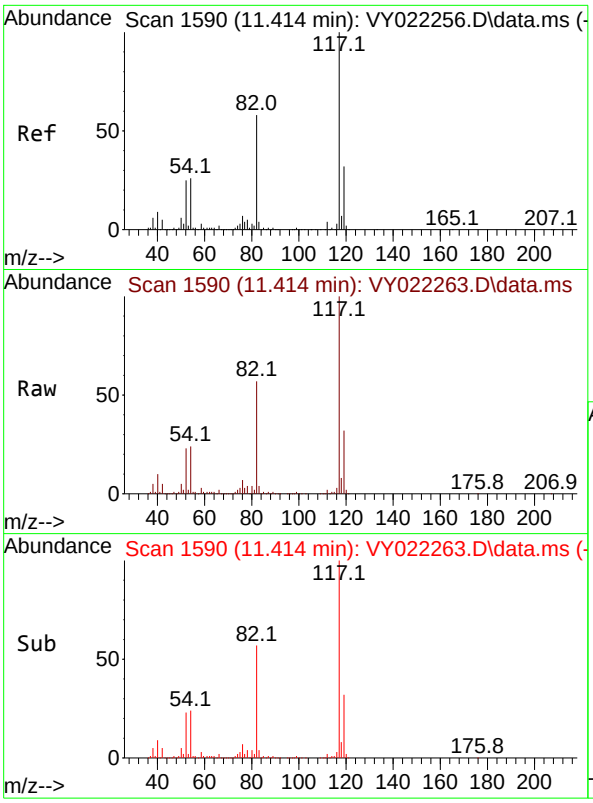


#62
4-Bromofluorobenzene
Concen: 50.364 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 95 Resp: 156883

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	166.8
176	80.8	0.0	160.8

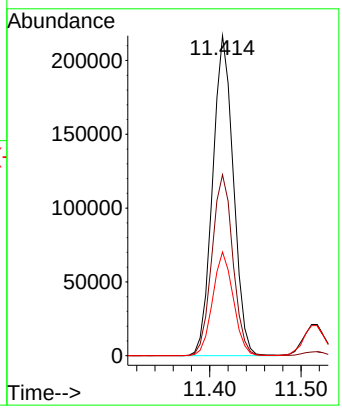




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:117 Resp: 34198

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.6	70.0
119	32.4	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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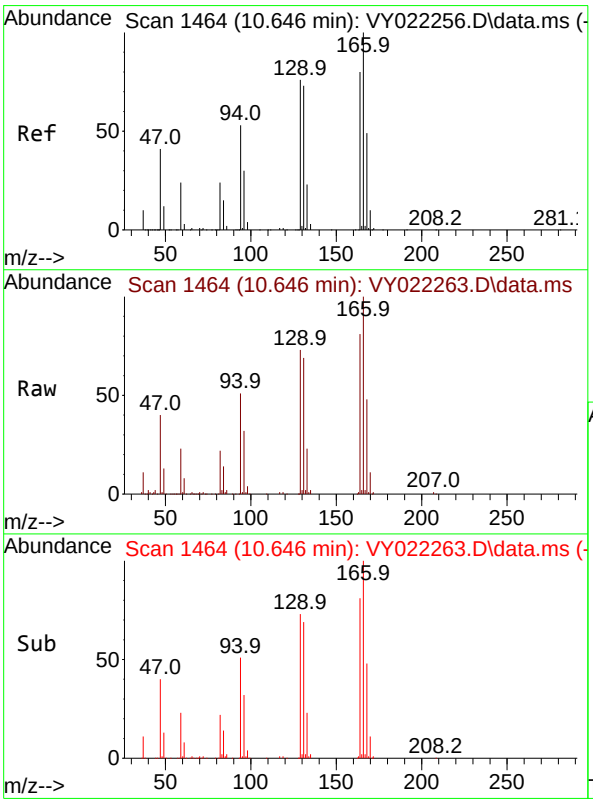
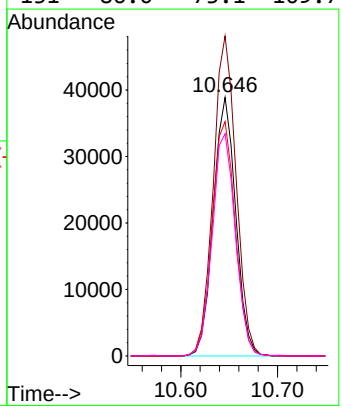
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

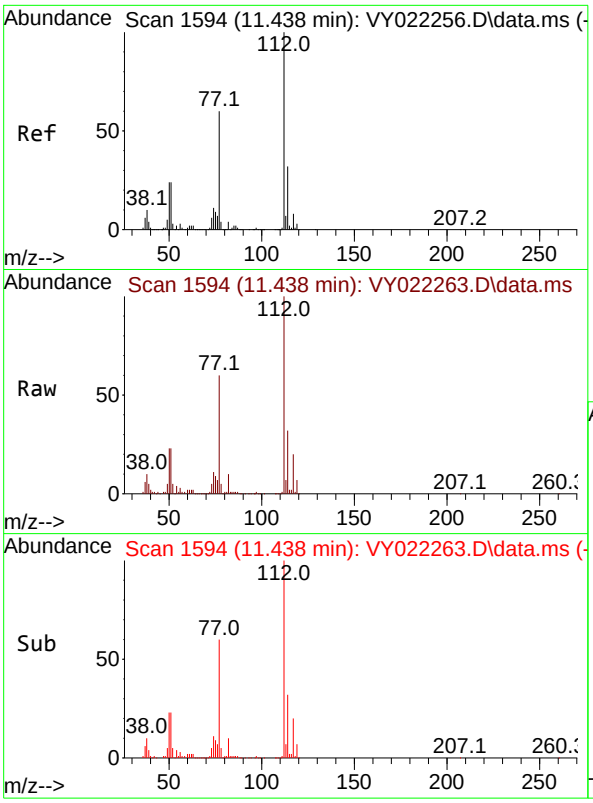


#64
Tetrachloroethene
Concen: 19.866 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:164 Resp: 62797

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.4	150.6
129	90.7	76.4	114.6
131	86.0	73.1	109.7

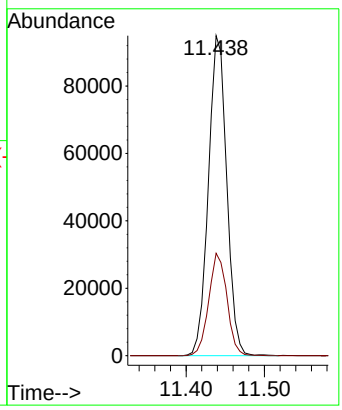




#65
Chlorobenzene
Concen: 19.950 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:112 Resp: 15392

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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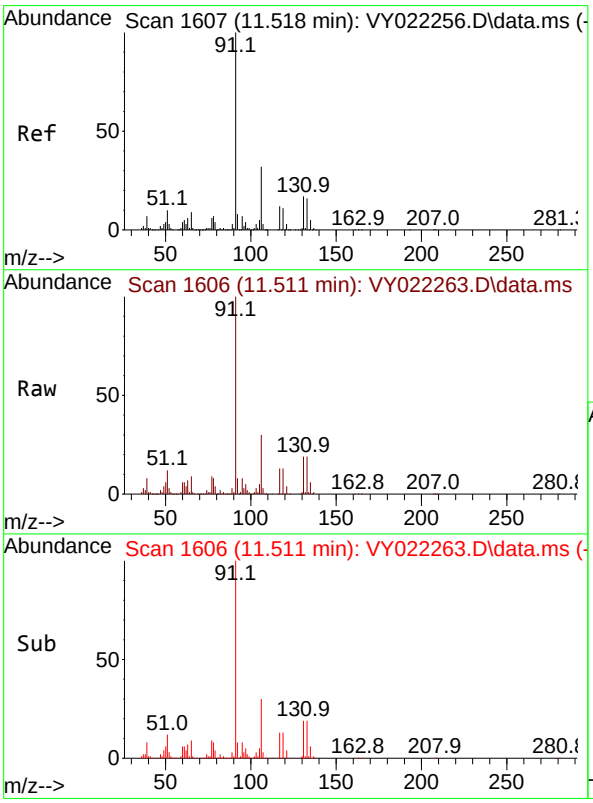
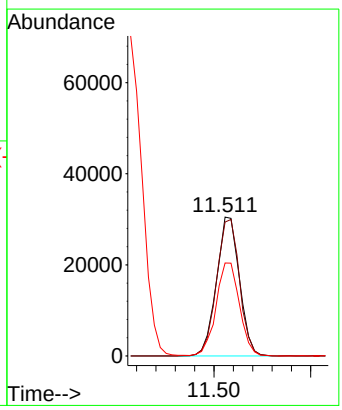
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

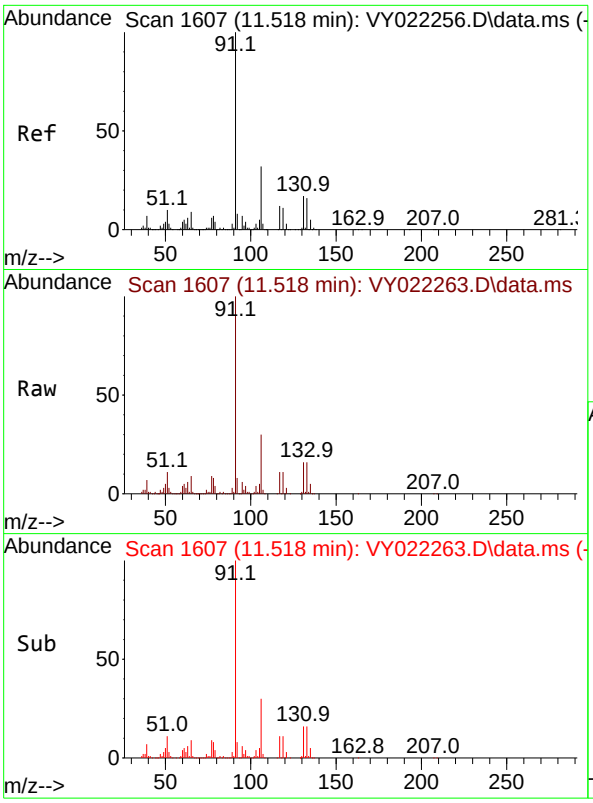


#66
1,1,1,2-Tetrachloroethane
Concen: 18.944 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:131 Resp: 50248

Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.3	141.9
119	68.3	33.1	99.2

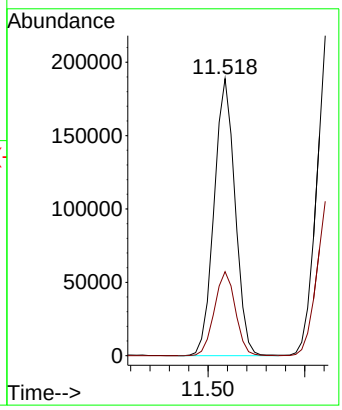




#67
Ethyl Benzene
Concen: 19.619 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 28349

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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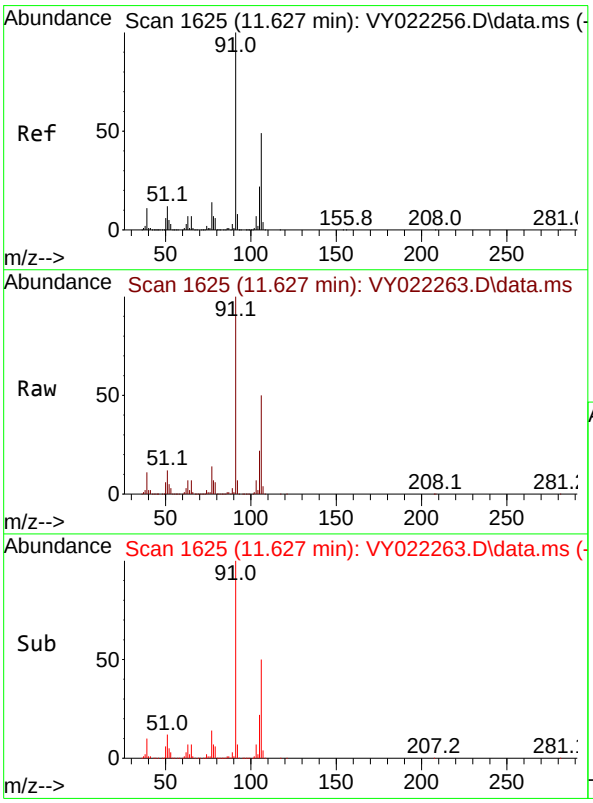
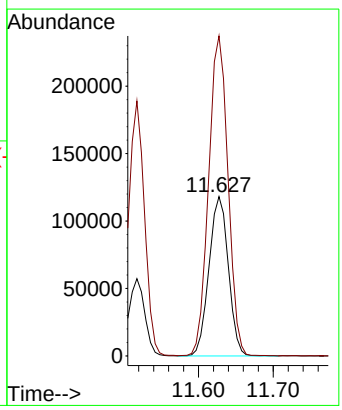
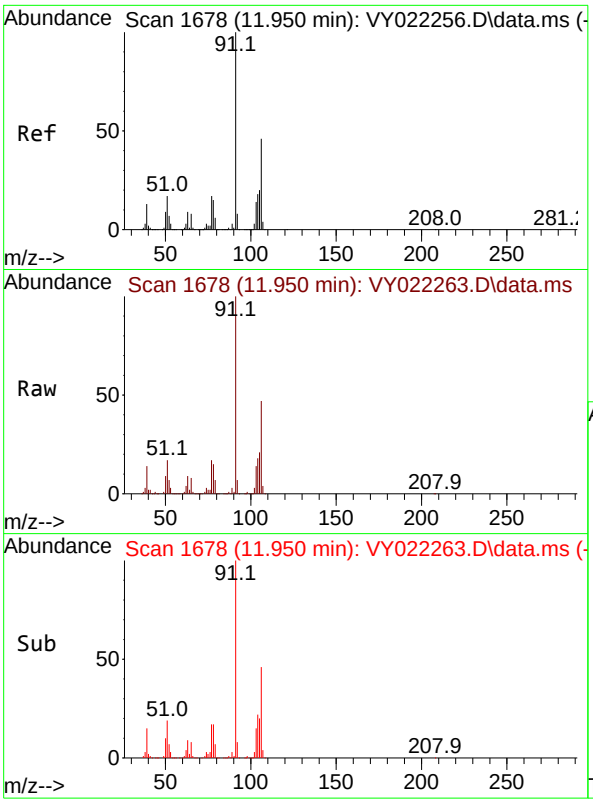


#68
m/p-Xylenes
Concen: 39.085 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:106 Resp: 212811

Ion	Ratio	Lower	Upper
106	100		
91	201.1	163.0	244.4

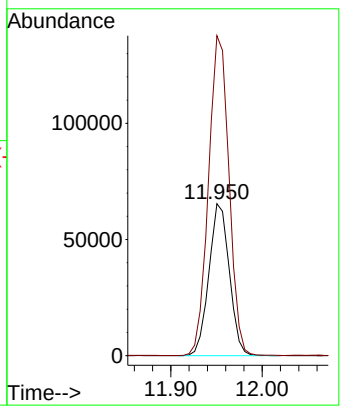




#69
o-Xylene
Concen: 19.677 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:106 Resp: 10136

Ion	Ratio	Lower	Upper
106	100		
91	211.6	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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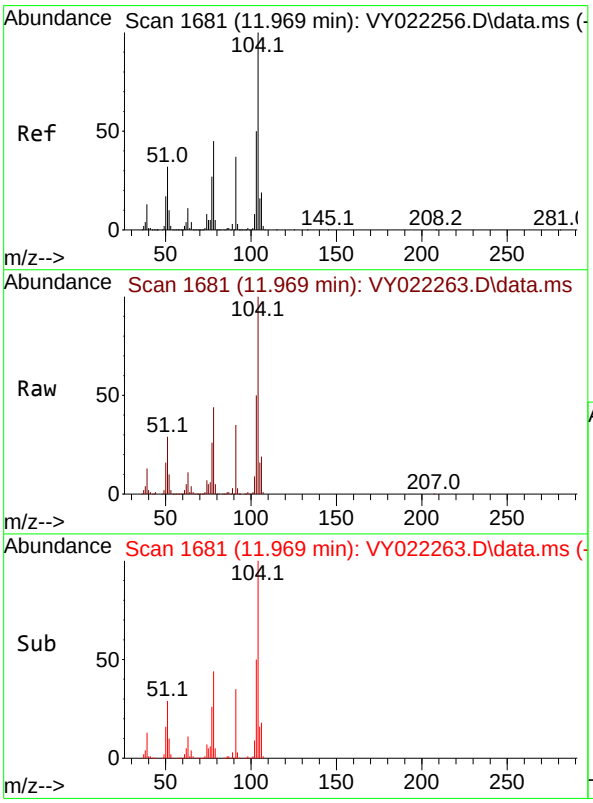
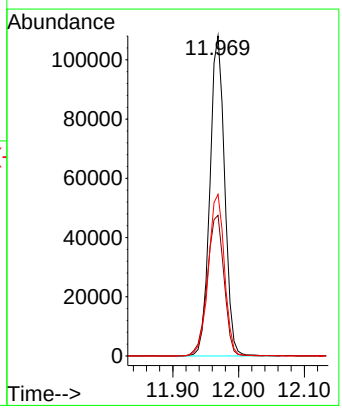
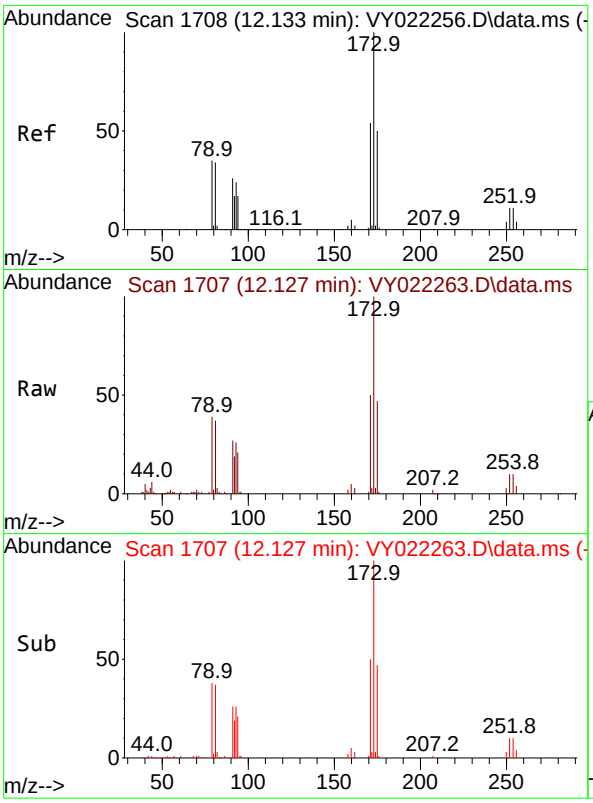


#70
Styrene
Concen: 19.418 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:104 Resp: 168741

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.9	61.3
103	55.1	43.7	65.5





#71
Bromoform
Concen: 20.613 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:173 Resp: 2951

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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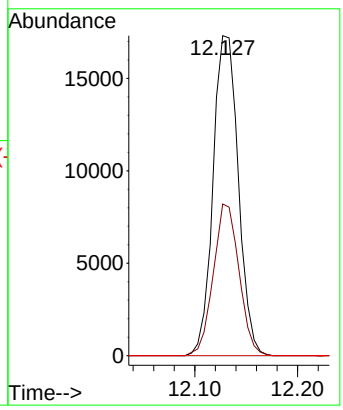
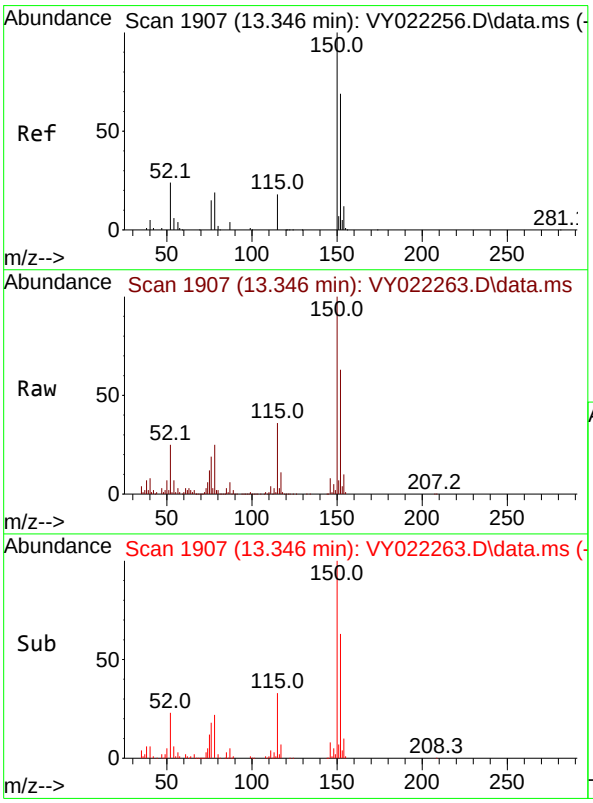
Supervised By :Semsettin Yesilyurt 05/16/2025

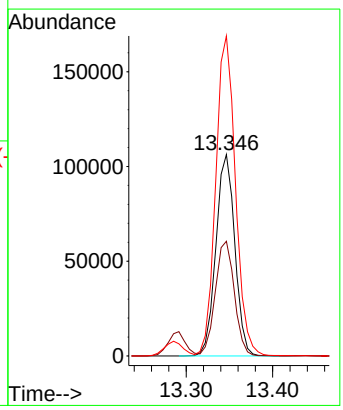


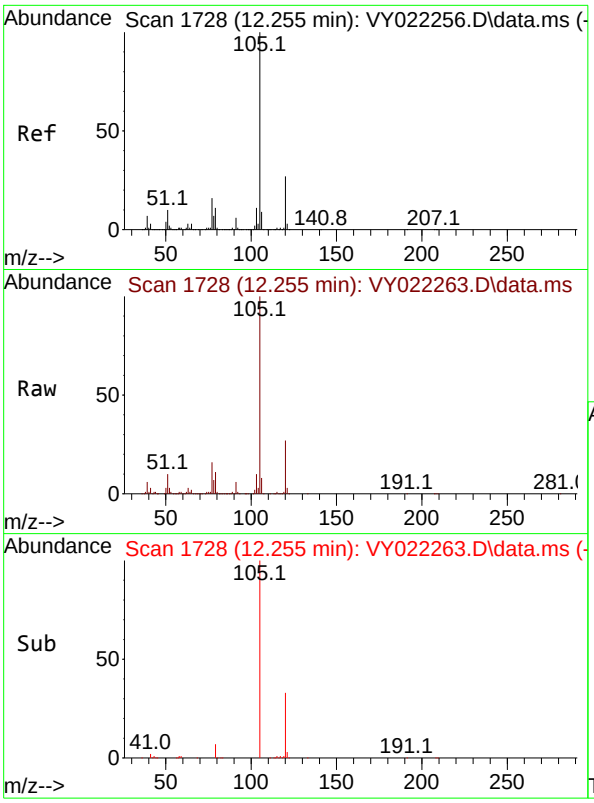


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:152 Resp: 161126

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.4	88.2
150	166.0	0.0	353.8





#73
Isopropylbenzene
Concen: 19.627 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:105 Resp: 26198(

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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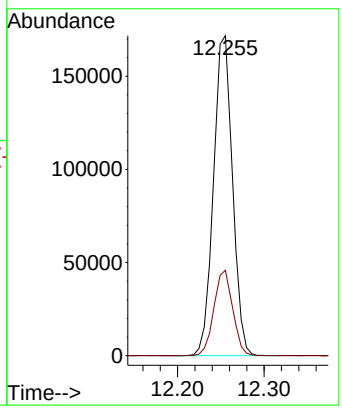
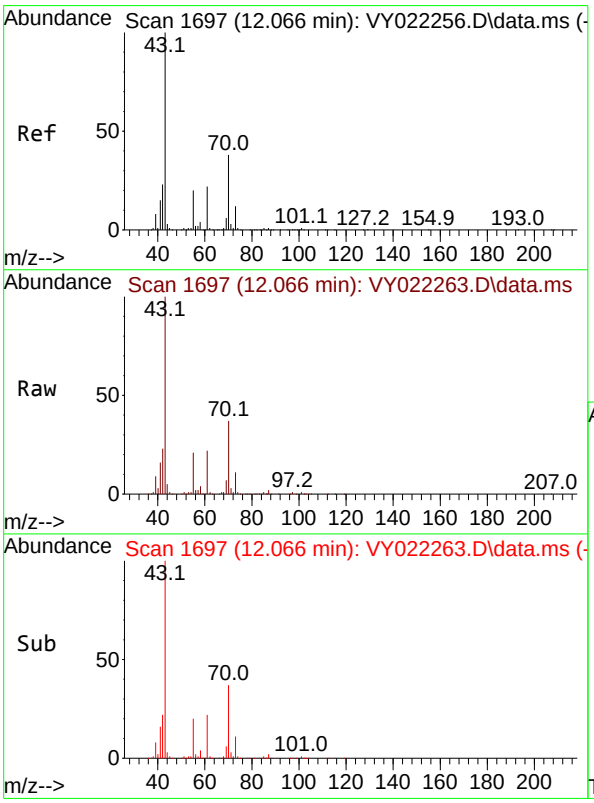
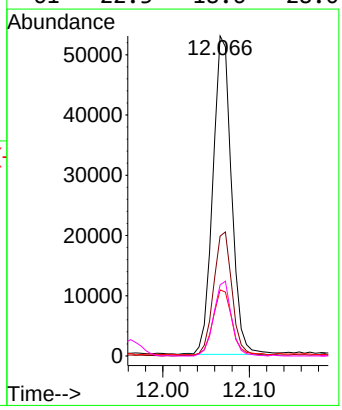


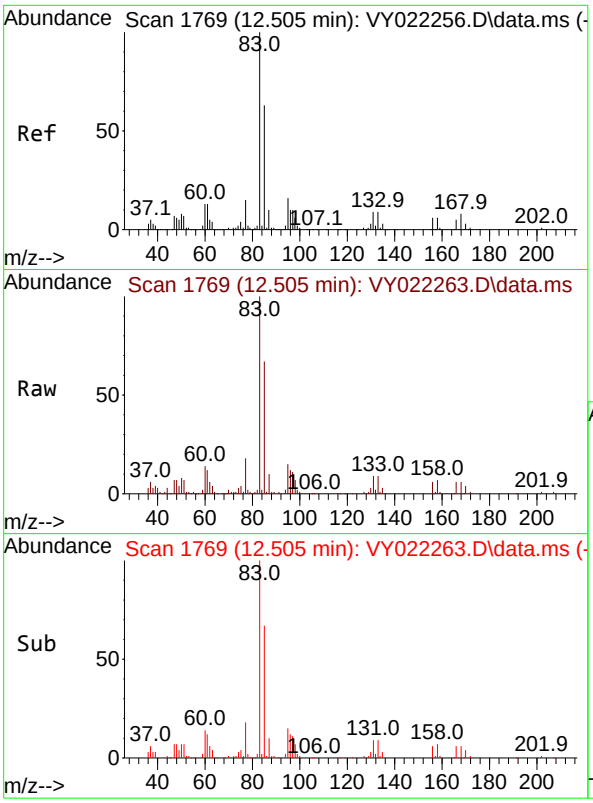


#74
N-amyl acetate
Concen: 20.747 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 79208

Ion	Ratio	Lower	Upper
43	100		
70	38.8	31.4	47.0
55	20.3	17.0	25.6
61	22.3	18.6	28.0

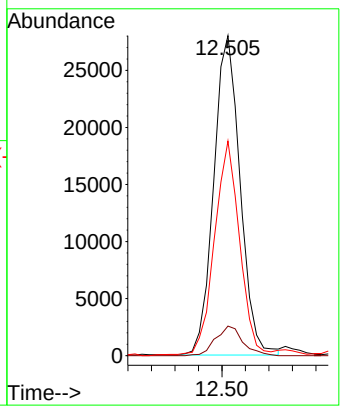




#75
1,1,2,2-Tetrachloroethane
Concen: 21.307 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 83 Resp: 4374

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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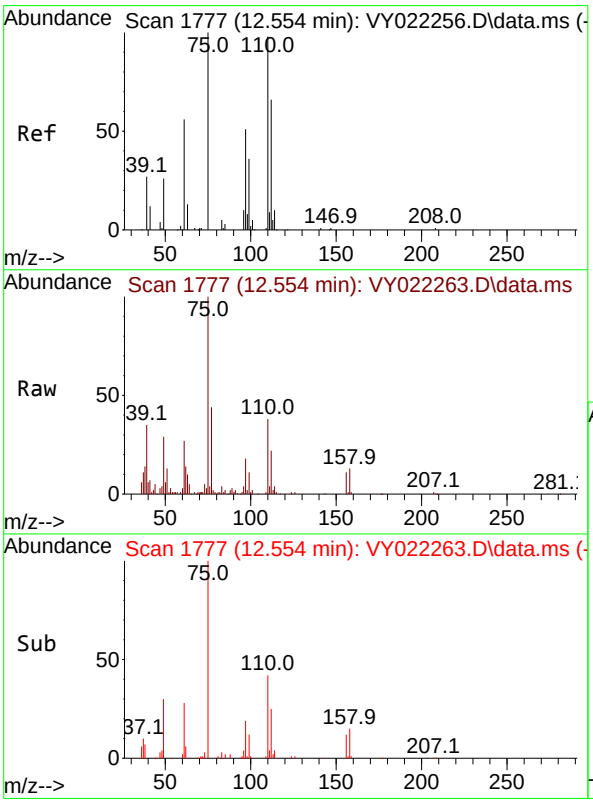
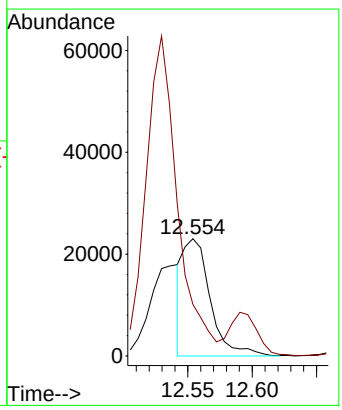
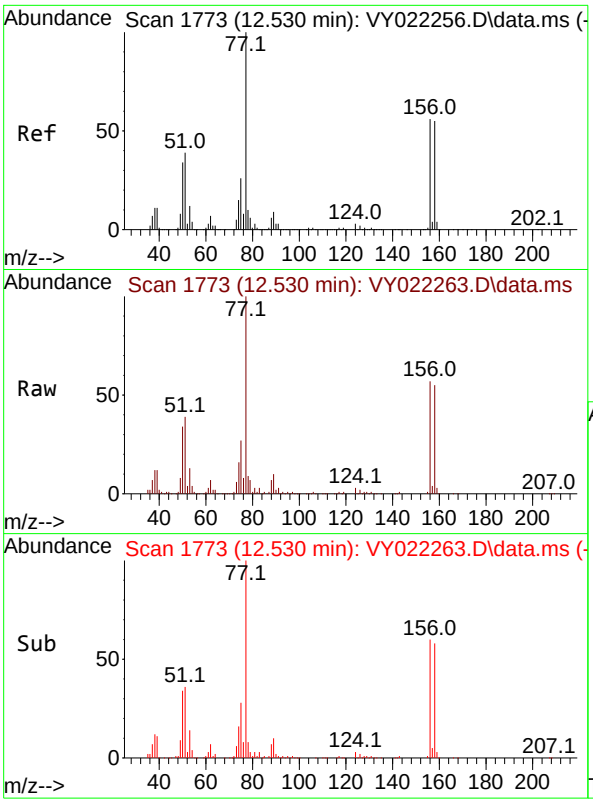


#76
1,2,3-Trichloropropane
Concen: 20.802 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 33956

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

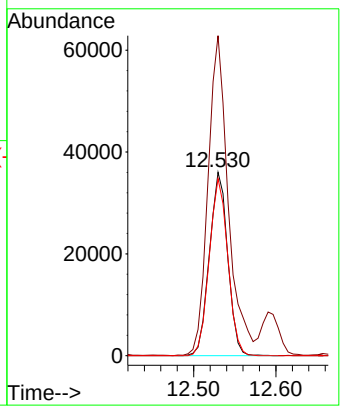




#77
Bromobenzene
Concen: 19.572 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:156 Resp: 5580

Ion	Ratio	Lower	Upper
156	100		
77	192.9	94.5	283.6
158	97.6	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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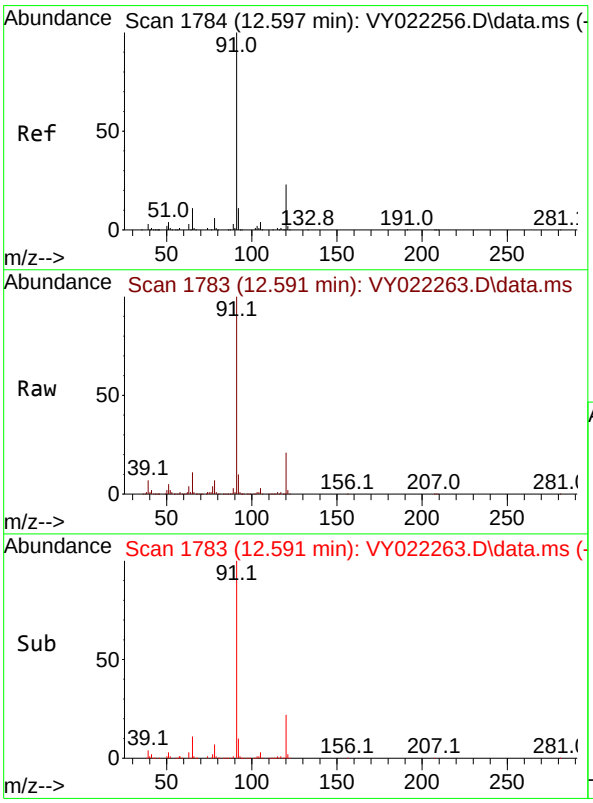
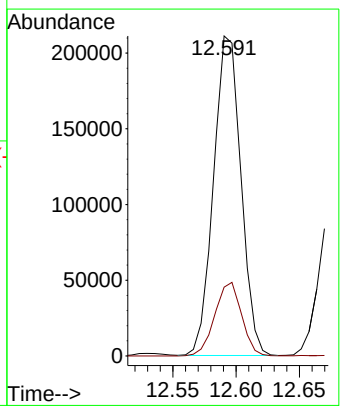
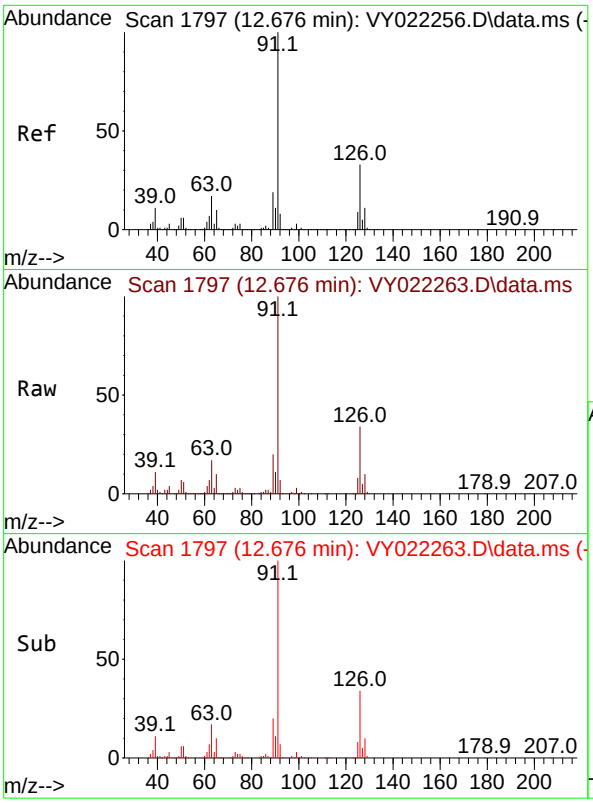


#78
n-propylbenzene
Concen: 19.730 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 317668

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3

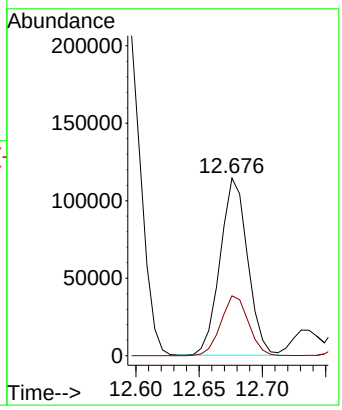




#79
2-Chlorotoluene
Concen: 19.530 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 17280

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

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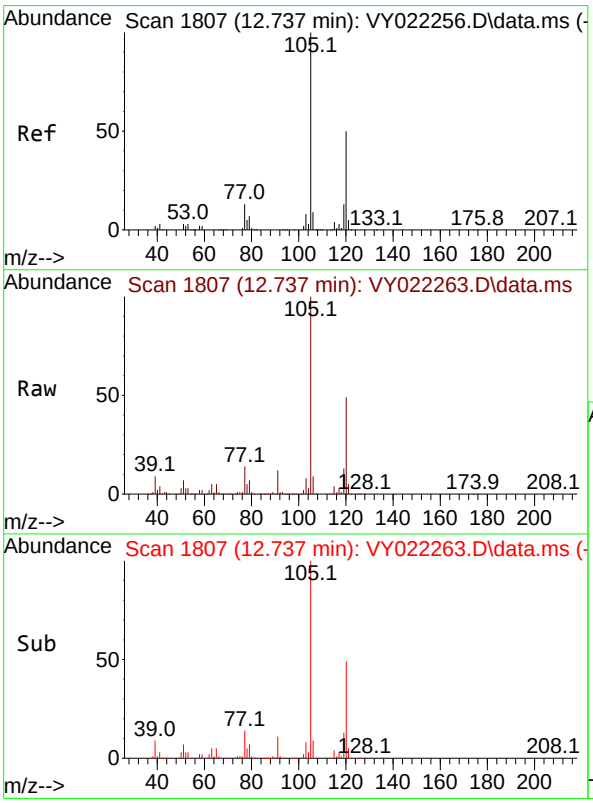
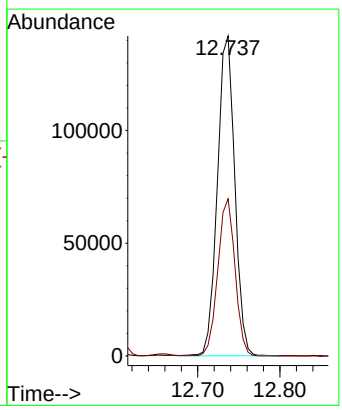
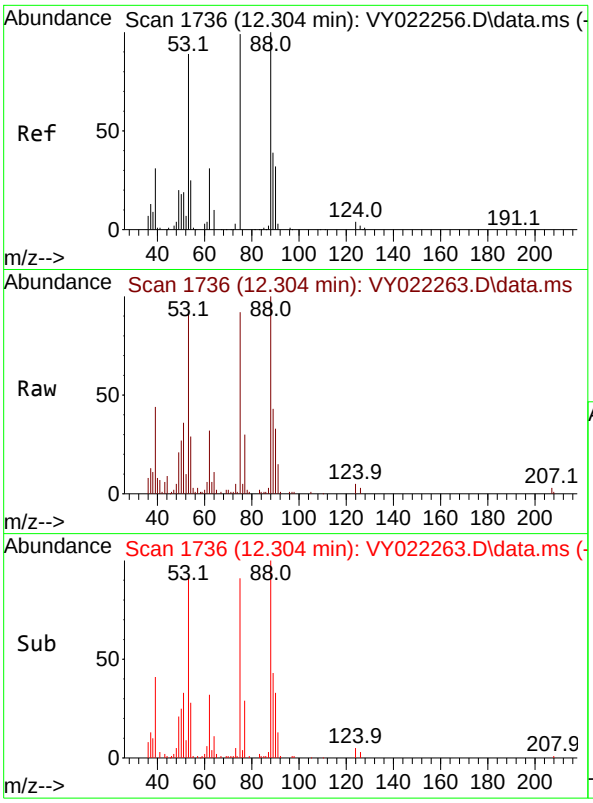


#80
1,3,5-Trimethylbenzene
Concen: 19.309 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:105 Resp: 208067

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.907 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 1604

Ion	Ratio	Lower	Upper
75	100		
53	93.0	75.8	113.8
89	45.5	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
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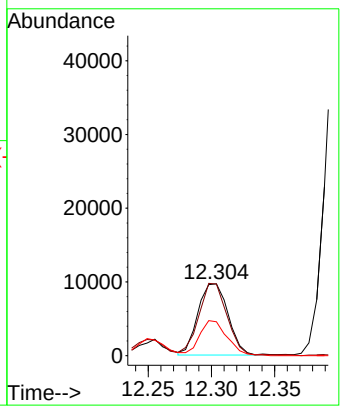
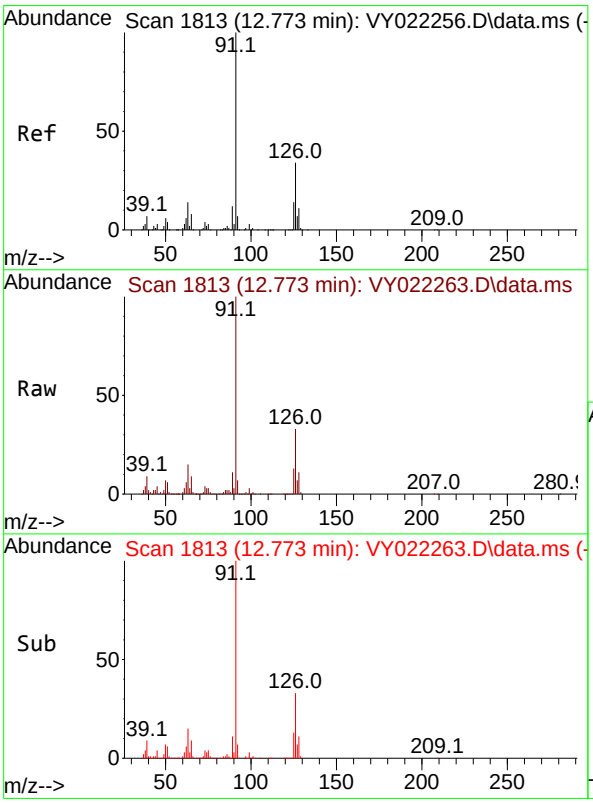
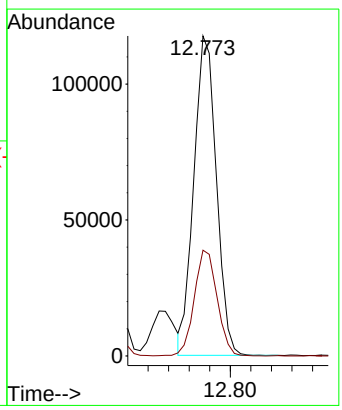


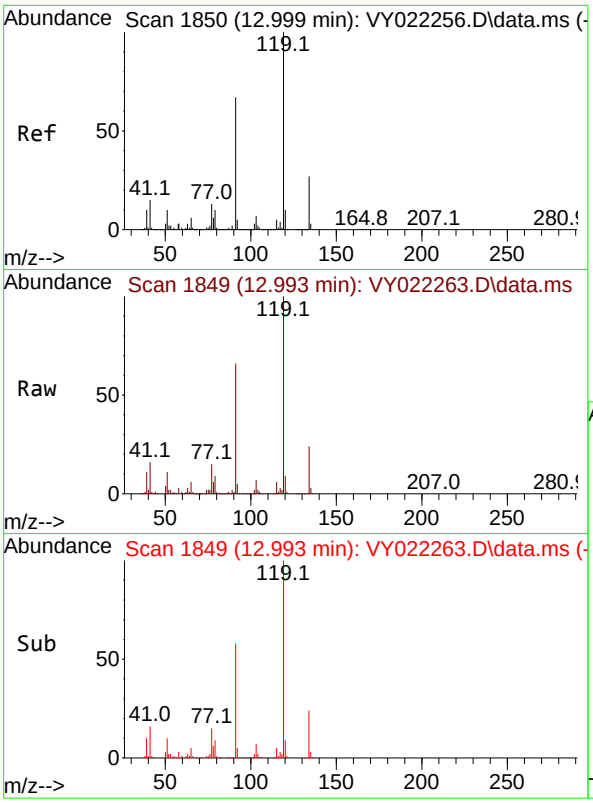


#82
4-Chlorotoluene
Concen: 19.663 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 178952

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4





#83
tert-Butylbenzene
Concen: 19.898 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

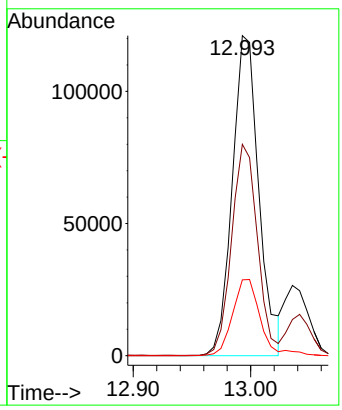
Tgt Ion:119 Resp: 19056

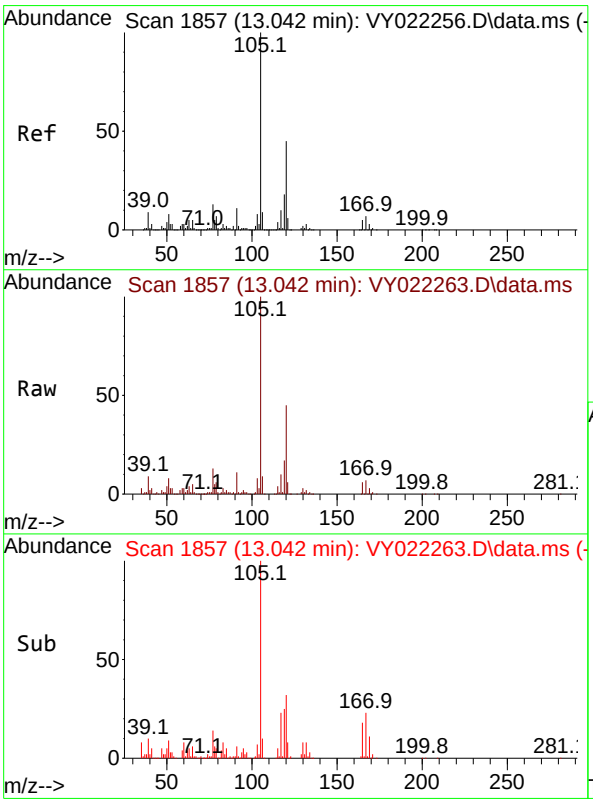
Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	24.9	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

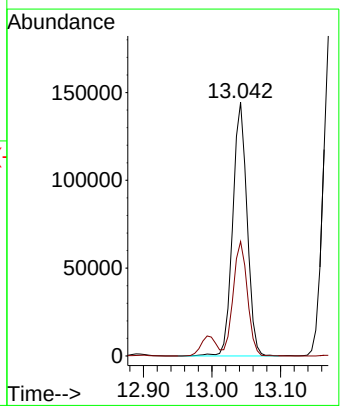


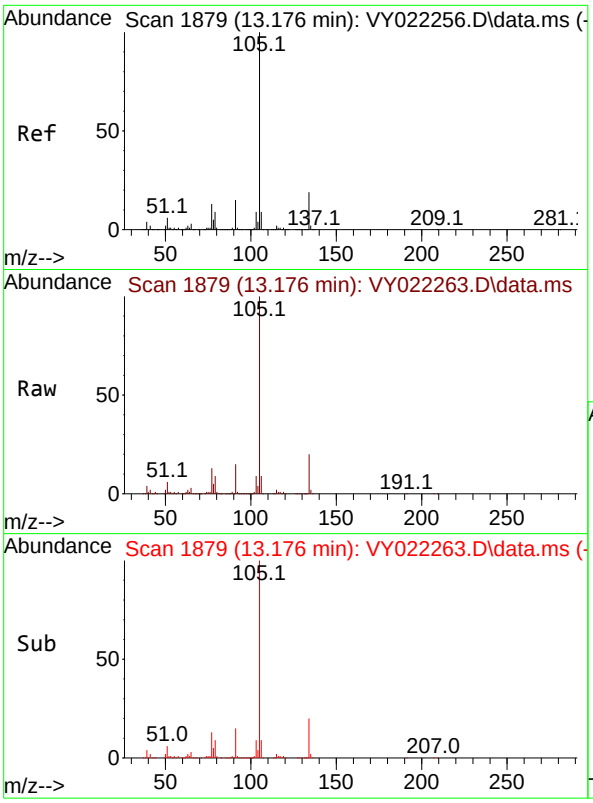


#84
1,2,4-Trimethylbenzene
Concen: 19.646 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:105 Resp: 210149

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9

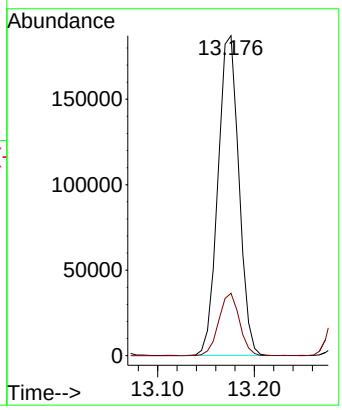




#85
sec-Butylbenzene
Concen: 19.768 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:105 Resp: 28104

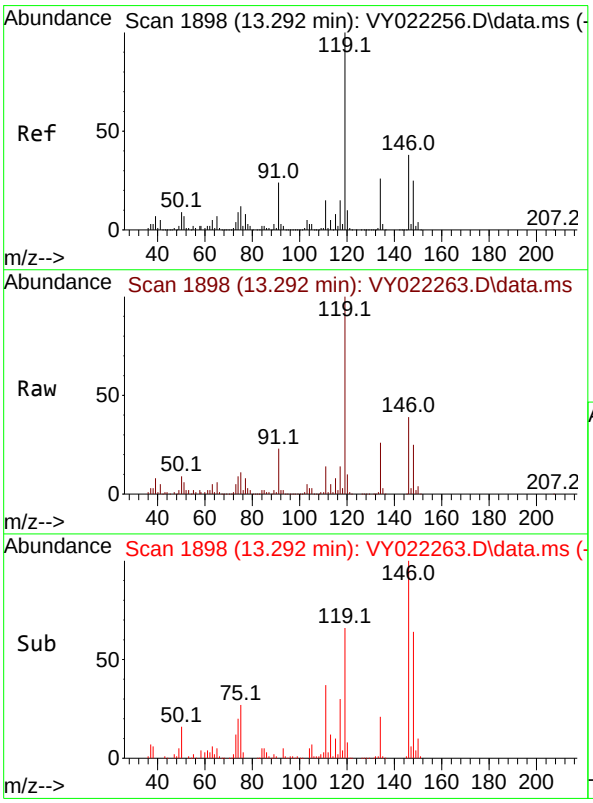
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
APPROVED

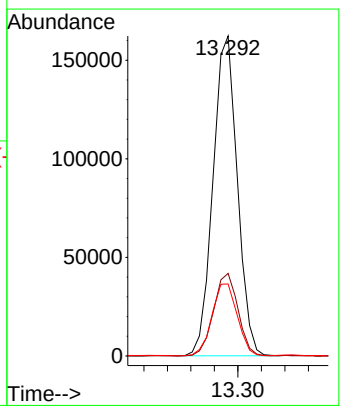
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

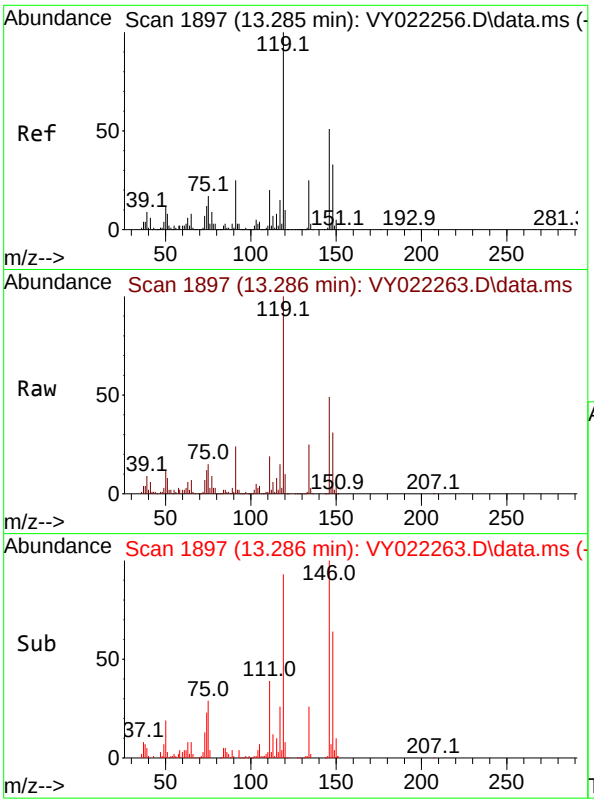


#86
p-Isopropyltoluene
Concen: 19.488 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:119 Resp: 233015

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	23.4	12.1	36.3

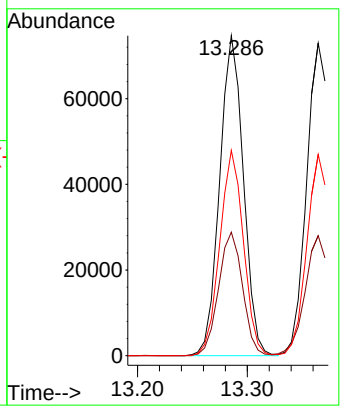




#87
1,3-Dichlorobenzene
Concen: 19.326 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:146 Resp: 11248

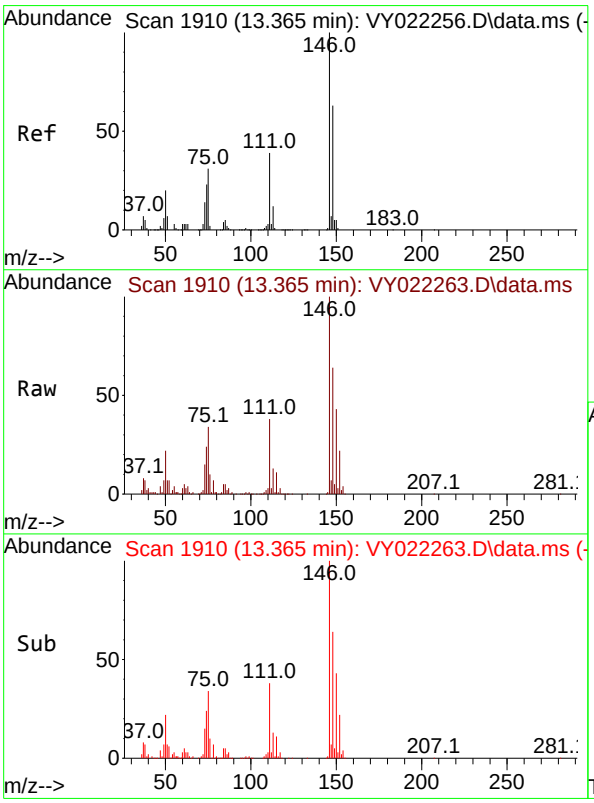
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.7
148	63.8	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
APPROVED

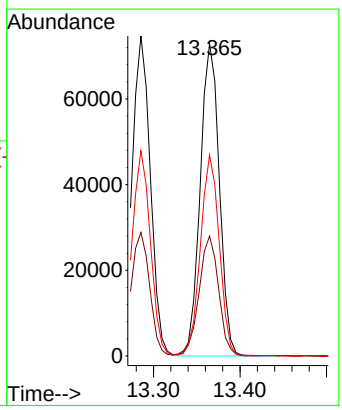
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

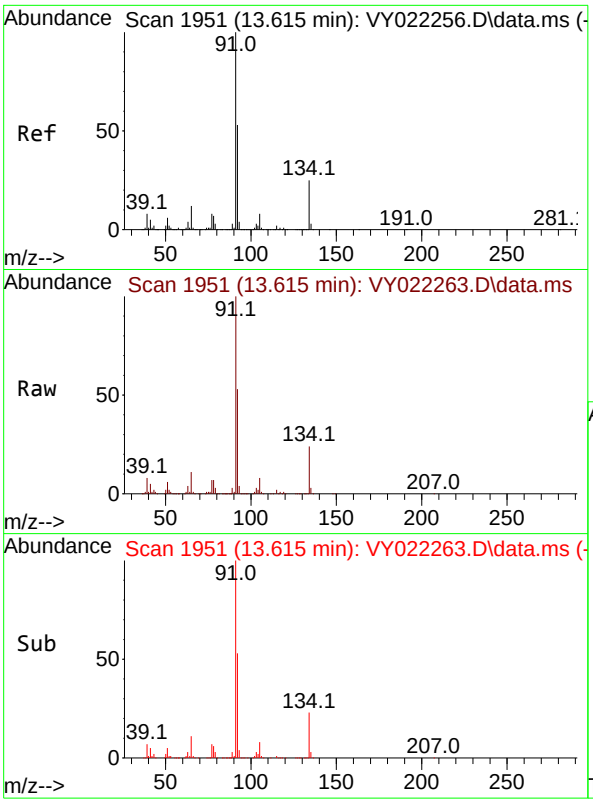


#88
1,4-Dichlorobenzene
Concen: 19.976 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:146 Resp: 111832

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	63.4	32.1	96.5

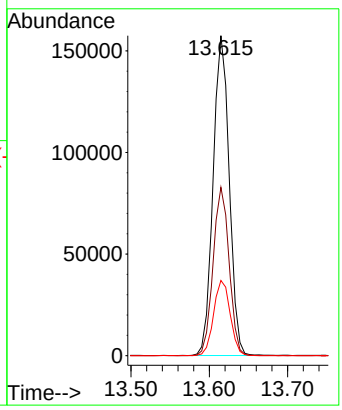




#89
n-Butylbenzene
Concen: 19.906 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 22517

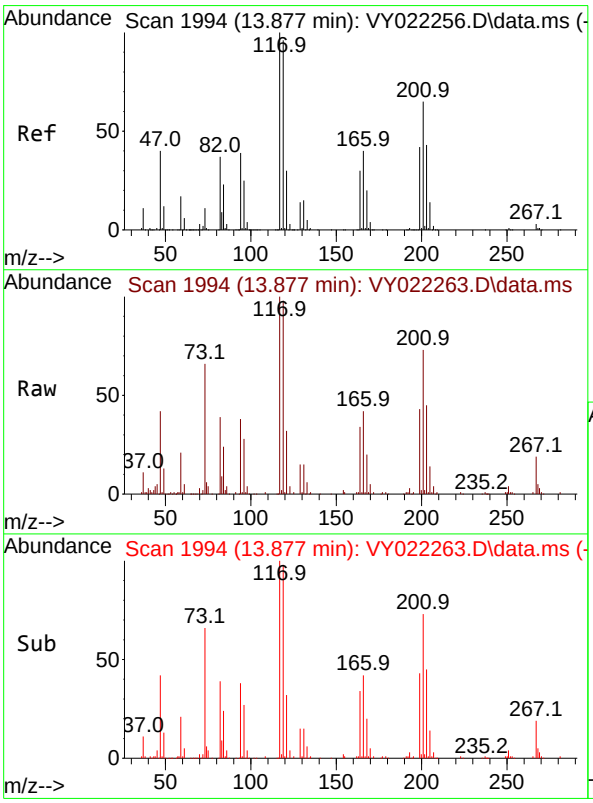
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	24.2	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
APPROVED

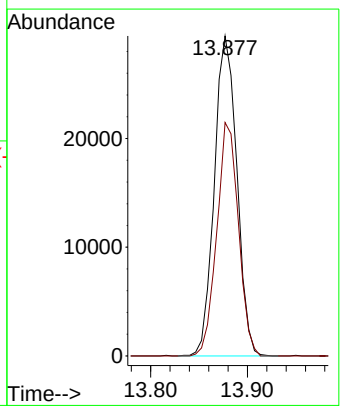
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

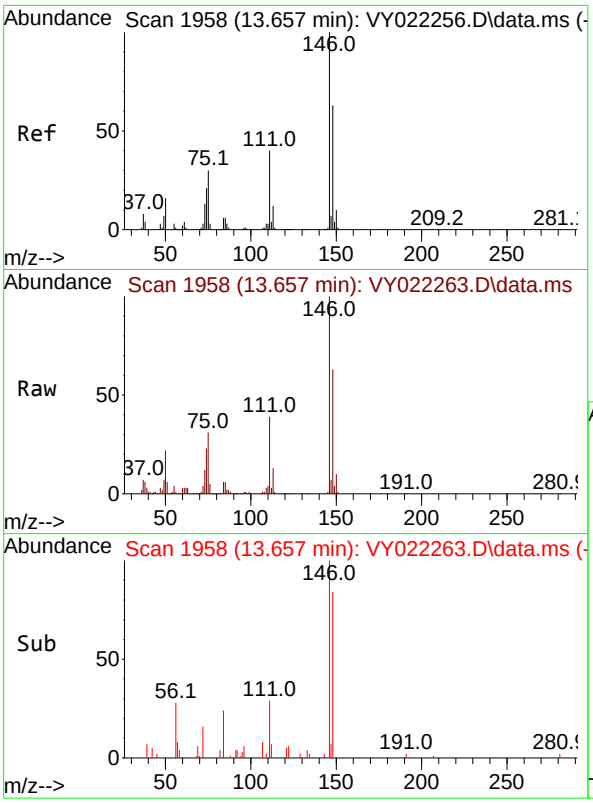


#90
Hexachloroethane
Concen: 19.695 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:117 Resp: 47537

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6

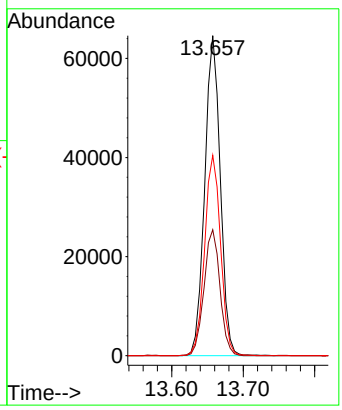




#91
1,2-Dichlorobenzene
Concen: 19.962 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:146 Resp: 9758

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.5
148	64.2	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
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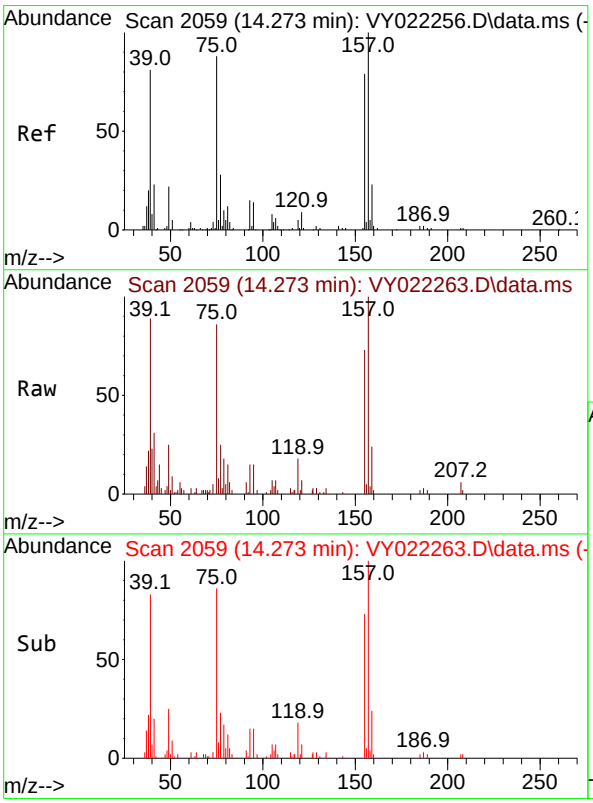
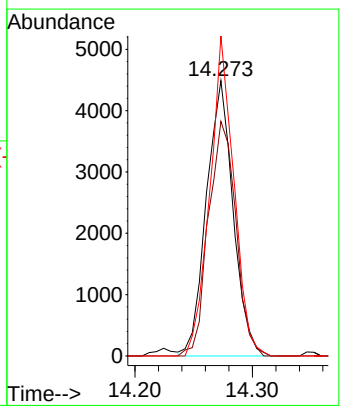
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

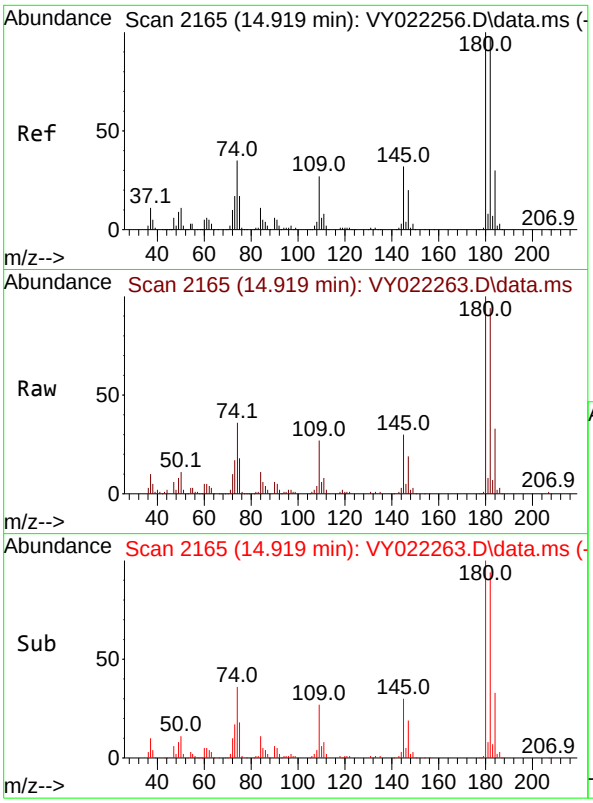


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.427 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 7093

Ion	Ratio	Lower	Upper
75	100		
155	86.9	43.4	130.1
157	104.4	54.6	163.9

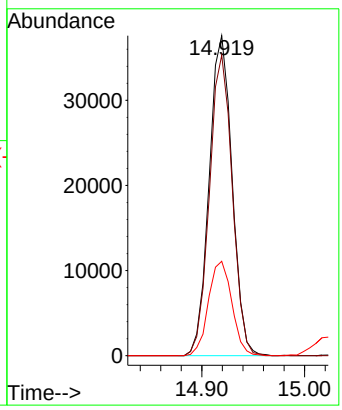




#93
1,2,4-Trichlorobenzene
Concen: 20.591 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:180 Resp: 5814

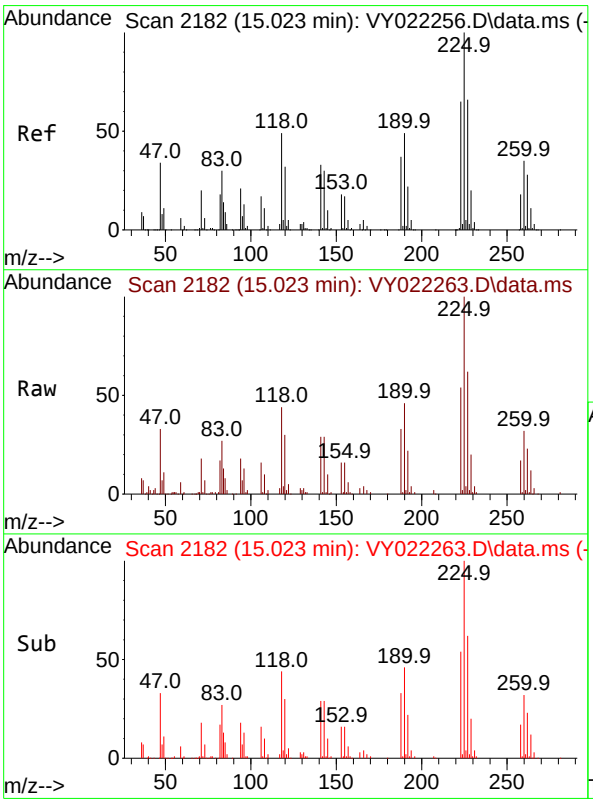
Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.0
145	30.2	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
APPROVED

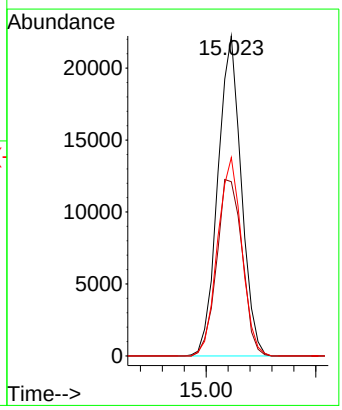
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

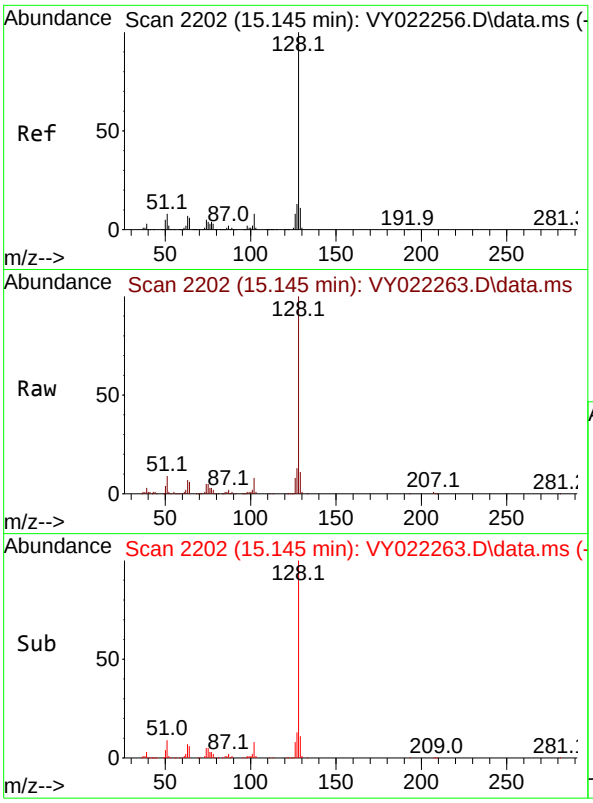


#94
Hexachlorobutadiene
Concen: 20.955 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:225 Resp: 33000

Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.5	94.5
227	63.9	32.1	96.3

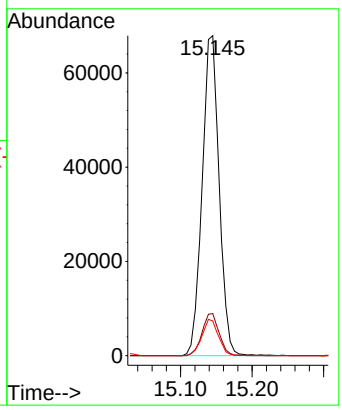




#95
Naphthalene
Concen: 20.890 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:128 Resp: 11194

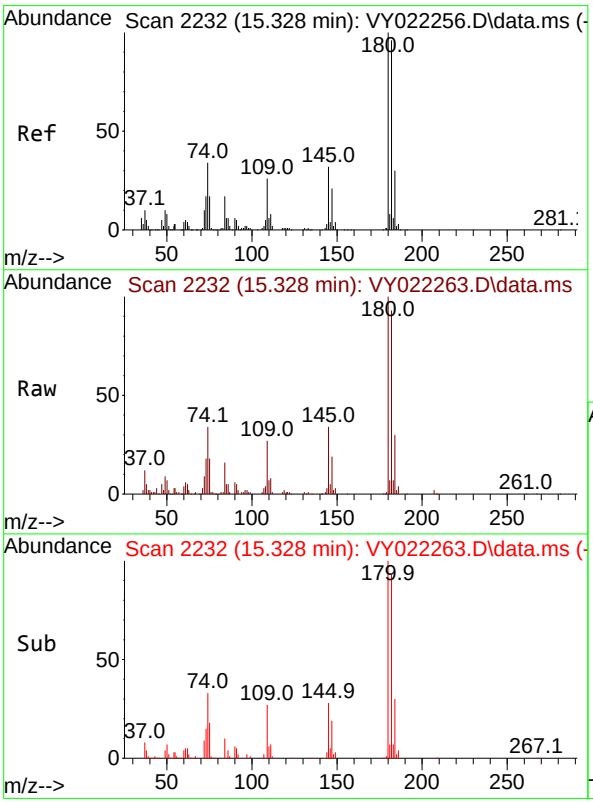
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.1	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Manual Integrations
APPROVED

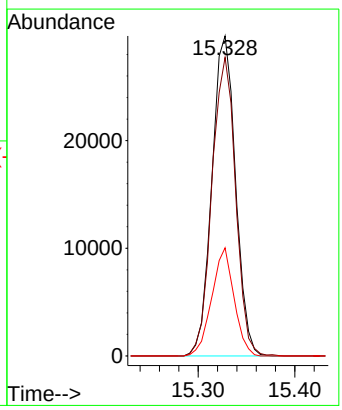
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 21.049 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:180 Resp: 50425

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.1	141.3
145	31.9	15.9	47.6



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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022253.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methyl Acetate	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY022260.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDICV050	VY022260.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VY0515SBS01	VY022262.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:23 AM	Sam	5/16/2025 11:50:30 AM	Peak Integrated by Software
VY0515SBS01	VY022262.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:23 AM	Sam	5/16/2025 11:50:30 AM	Peak Integrated by Software
VY0515SBSD01	VY022263.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:22 AM	Sam	5/16/2025 11:50:29 AM	Peak Integrated by Software
VY0515SBSD01	VY022263.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:22 AM	Sam	5/16/2025 11:50:29 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022277.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:54 PM	Sam	5/19/2025 2:44:19 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	Methacrylonitrile	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VSTDCCC050	VY022301.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:39:03 PM	Sam	5/19/2025 2:44:28 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022252.D	15 May 2025 07:52	SY/MD	Ok
2	VSTDICC005	VY022253.D	15 May 2025 09:46	SY/MD	Ok,M
3	VSTDICC010	VY022254.D	15 May 2025 10:16	SY/MD	Ok,M
4	VSTDICC020	VY022255.D	15 May 2025 10:39	SY/MD	Ok,M
5	VSTDICCC050	VY022256.D	15 May 2025 11:02	SY/MD	Ok,M
6	VSTDICC100	VY022257.D	15 May 2025 11:24	SY/MD	Ok,M
7	VSTDICC150	VY022258.D	15 May 2025 11:47	SY/MD	Ok,M
8	VIBLK	VY022259.D	15 May 2025 12:34	SY/MD	Ok
9	VSTDICV050	VY022260.D	15 May 2025 13:20	SY/MD	Ok,M
10	VY0515SBL01	VY022261.D	15 May 2025 13:44	SY/MD	Ok
11	VY0515SBS01	VY022262.D	15 May 2025 14:07	SY/MD	Ok,M
12	VY0515SBSD01	VY022263.D	15 May 2025 14:29	SY/MD	Ok,M
13	Q1984-01	VY022264.D	15 May 2025 15:12	SY/MD	Ok
14	Q1984-03	VY022265.D	15 May 2025 15:35	SY/MD	Ok
15	Q1984-05	VY022266.D	15 May 2025 15:59	SY/MD	Ok
16	Q1984-07	VY022267.D	15 May 2025 16:22	SY/MD	ReRun
17	Q1984-09	VY022268.D	15 May 2025 16:46	SY/MD	Not Ok
18	Q1984-11	VY022269.D	15 May 2025 17:09	SY/MD	Not Ok
19	Q1984-13	VY022270.D	15 May 2025 17:33	SY/MD	Not Ok
20	Q1984-15	VY022271.D	15 May 2025 17:56	SY/MD	ReRun
21	Q1982-04	VY022272.D	15 May 2025 18:19	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1982-05	VY022273.D	15 May 2025 18:43	SY/MD	Ok
23	Q1982-06	VY022274.D	15 May 2025 19:06	SY/MD	Ok
24	VSTDCCC050	VY022275.D	15 May 2025 19:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM				
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y		HP Processing Method	82y051525s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022276.D	16 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022277.D	16 May 2025 08:24	SY/MD	Ok,M
3	VY0516SBL01	VY022278.D	16 May 2025 09:37	SY/MD	Ok
4	VY0516SBS01	VY022279.D	16 May 2025 10:09	SY/MD	Ok,M
5	VY0516SBSD01	VY022280.D	16 May 2025 10:32	SY/MD	Ok,M
6	Q1984-07RE	VY022281.D	16 May 2025 11:17	SY/MD	Confirms
7	Q1984-09	VY022282.D	16 May 2025 11:41	SY/MD	Ok
8	Q1984-11	VY022283.D	16 May 2025 12:04	SY/MD	Ok
9	Q1984-13	VY022284.D	16 May 2025 12:29	SY/MD	Ok
10	Q1984-15RE	VY022285.D	16 May 2025 12:54	SY/MD	Confirms
11	Q1982-01	VY022286.D	16 May 2025 13:17	SY/MD	Ok
12	Q1982-02	VY022287.D	16 May 2025 13:41	SY/MD	Ok
13	Q1982-03	VY022288.D	16 May 2025 14:04	SY/MD	Ok
14	Q1982-07	VY022289.D	16 May 2025 14:28	SY/MD	Ok
15	Q1982-08	VY022290.D	16 May 2025 14:51	SY/MD	Ok
16	Q2010-03	VY022291.D	16 May 2025 15:15	SY/MD	Ok
17	Q2010-04	VY022292.D	16 May 2025 15:38	SY/MD	Ok
18	Q2003-02	VY022293.D	16 May 2025 16:02	SY/MD	ReRun
19	Q2032-03	VY022294.D	16 May 2025 16:25	SY/MD	Ok
20	Q2032-04	VY022295.D	16 May 2025 16:48	SY/MD	Ok
21	Q2032-07	VY022296.D	16 May 2025 17:12	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM				
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2032-08	VY022297.D	16 May 2025 17:35	SY/MD	Ok
23	Q1984-19	VY022298.D	16 May 2025 17:59	SY/MD	Ok
24	Q2032-05MS	VY022299.D	16 May 2025 18:21	SY/MD	Not Ok
25	Q2032-06MSD	VY022300.D	16 May 2025 18:44	SY/MD	Not Ok
26	VSTDCCC050	VY022301.D	16 May 2025 19:29	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022252.D	15 May 2025 07:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022258.D	15 May 2025 11:47		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022259.D	15 May 2025 12:34		SY/MD	Ok
9	VSTDICV050	ICVVY051525	VY022260.D	15 May 2025 13:20		SY/MD	Ok,M
10	VY0515SBL01	VY0515SBL01	VY022261.D	15 May 2025 13:44		SY/MD	Ok
11	VY0515SBS01	VY0515SBS01	VY022262.D	15 May 2025 14:07		SY/MD	Ok,M
12	VY0515SBSD01	VY0515SBSD01	VY022263.D	15 May 2025 14:29		SY/MD	Ok,M
13	Q1984-01	OU4-PCS-TC-33-05072	VY022264.D	15 May 2025 15:12	vial-A	SY/MD	Ok
14	Q1984-03	OU4-PCS-TC-34-05072	VY022265.D	15 May 2025 15:35	vial-A	SY/MD	Ok
15	Q1984-05	OU4-PCS-TC-35-05072	VY022266.D	15 May 2025 15:59	vial-A	SY/MD	Ok
16	Q1984-07	OU4-TS-24-050725	VY022267.D	15 May 2025 16:22	vial-A Surrogate fail	SY/MD	ReRun
17	Q1984-09	OU4-TS-25-050725	VY022268.D	15 May 2025 16:46	vial-A Surrogate fail	SY/MD	Not Ok
18	Q1984-11	OU4-TS-26-050725	VY022269.D	15 May 2025 17:09	vial-A Surrogate fail	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1984-13	OU4-TS-27-050725	VY022270.D	15 May 2025 17:33	vial-A Surrogate fail	SY/MD	Not Ok
20	Q1984-15	OU4-TS-28-050725	VY022271.D	15 May 2025 17:56	vial-A Surrogate fail	SY/MD	ReRun
21	Q1982-04	TP-4	VY022272.D	15 May 2025 18:19	vial-A	SY/MD	Ok
22	Q1982-05	TP-5	VY022273.D	15 May 2025 18:43	vial-A	SY/MD	Ok
23	Q1982-06	TP-6	VY022274.D	15 May 2025 19:06	vial-A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY022275.D	15 May 2025 19:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022276.D	16 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022277.D	16 May 2025 08:24		SY/MD	Ok,M
3	VY0516SBL01	VY0516SBL01	VY022278.D	16 May 2025 09:37		SY/MD	Ok
4	VY0516SBS01	VY0516SBS01	VY022279.D	16 May 2025 10:09		SY/MD	Ok,M
5	VY0516SBSD01	VY0516SBSD01	VY022280.D	16 May 2025 10:32		SY/MD	Ok,M
6	Q1984-07RE	OU4-TS-24-050725RE	VY022281.D	16 May 2025 11:17	vial-B Surrogate fail	SY/MD	Confirms
7	Q1984-09	OU4-TS-25-050725	VY022282.D	16 May 2025 11:41	vial-B	SY/MD	Ok
8	Q1984-11	OU4-TS-26-050725	VY022283.D	16 May 2025 12:04	vial-B	SY/MD	Ok
9	Q1984-13	OU4-TS-27-050725	VY022284.D	16 May 2025 12:29	vial-B	SY/MD	Ok
10	Q1984-15RE	OU4-TS-28-050725RE	VY022285.D	16 May 2025 12:54	vial-B Surrogate fail	SY/MD	Confirms
11	Q1982-01	TP-1	VY022286.D	16 May 2025 13:17	vial-B	SY/MD	Ok
12	Q1982-02	TP-2B	VY022287.D	16 May 2025 13:41	vial-B	SY/MD	Ok
13	Q1982-03	TP-3	VY022288.D	16 May 2025 14:04	Vial A	SY/MD	Ok
14	Q1982-07	TP-8	VY022289.D	16 May 2025 14:28	Vial A	SY/MD	Ok
15	Q1982-08	TP-9	VY022290.D	16 May 2025 14:51	Vial A	SY/MD	Ok
16	Q2010-03	TP-14	VY022291.D	16 May 2025 15:15	vial-B	SY/MD	Ok
17	Q2010-04	TP-17	VY022292.D	16 May 2025 15:38	vial-B	SY/MD	Ok
18	Q2003-02	VOC	VY022293.D	16 May 2025 16:02	vial-A Internal standard fail	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2032-03	TP-29-99	VY022294.D	16 May 2025 16:25	vial-A	SY/MD	Ok
20	Q2032-04	TP-24	VY022295.D	16 May 2025 16:48	vial-A	SY/MD	Ok
21	Q2032-07	TP-37	VY022296.D	16 May 2025 17:12	vial-A	SY/MD	Ok
22	Q2032-08	TP-32	VY022297.D	16 May 2025 17:35	vial-A	SY/MD	Ok
23	Q1984-19	OU4-TB01-050725	VY022298.D	16 May 2025 17:59	vial-A	SY/MD	Ok
24	Q2032-05MS	TP-24MS	VY022299.D	16 May 2025 18:21	vial-A Internal standard fail;Recovery Fail	SY/MD	Not Ok
25	Q2032-06MSD	TP-24MSD	VY022300.D	16 May 2025 18:44	vial-A Internal standard fail;Surrogate fail	SY/MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VY022301.D	16 May 2025 19:29		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1929-14	WC-A4-02-C	1	1.15	10.65	11.8	10.38	86.7	
Q1929-15	WC-A1-03-C	2	1.18	10.06	11.24	9.00	77.7	
Q1929-16	WC-A1-04-C	3	1.17	10.24	11.41	9.52	81.5	
Q1982-01	TP-1	4	1.15	10.33	11.48	9.51	80.9	
Q1982-02	TP-2B	5	1.18	10.20	11.38	9.85	85.0	
Q1982-03	TP-3	6	1.18	10.54	11.72	10.74	90.7	
Q1982-04	TP-4	7	1.19	10.07	11.26	9.99	87.4	
Q1982-05	TP-5	8	1.18	10.08	11.26	10.24	89.9	
Q1982-06	TP-6	9	1.16	10.74	11.9	10.42	86.2	
Q1982-07	TP-7	10	1.19	10.23	11.42	9.75	83.7	
Q1982-08	TP-8	11	1.16	10.42	11.58	9.63	81.3	
Q1983-01	OR-636-COMP-01	12	1.16	10.07	11.23	10.1	88.8	
Q1983-02	OR-636-VOC-01	13	1.18	10.23	11.41	9.74	83.7	
Q1983-03	OR-636-01	14	1.16	9.92	11.08	9.73	86.4	
Q1983-04	OR-636-02	15	1.19	10.30	11.49	10.15	87.0	
Q1983-05	OR-636-03	16	1.15	9.56	10.71	9.77	90.2	
Q1983-07	OR-636-COMP-02	17	1.17	10.61	11.78	10.6	88.9	
Q1983-08	OR-636-VOC-02	18	1.12	10.72	11.84	10.58	88.2	
Q1983-09	OR-636-04	19	1.17	10.05	11.22	9.89	86.8	
Q1983-10	OR-636-05	20	1.19	10.59	11.78	10.78	90.6	
Q1983-11	OR-636-06	21	1.18	10.14	11.32	10.02	87.2	
Q1983-13	OR-636-COMP-03	22	1.14	10.30	11.44	10.75	93.3	
Q1983-14	OR-636-VOC-03	23	1.15	10.36	11.51	10.61	91.3	
Q1983-15	OR-636-07	24	1.16	10.64	11.8	11.39	96.1	
Q1983-16	OR-636-08	25	1.14	10.73	11.87	10.89	90.9	
Q1983-17	OR-636-09	26	1.18	10.44	11.62	10.74	91.6	
Q1983-19	OR-636-COMP-04	27	1.18	10.81	11.99	11.05	91.3	
Q1983-20	OR-636-VOC-04	28	1.15	10.33	11.48	9.6	81.8	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1983-21	OR-636-10	29	1.19	10.51	11.7	10.72	90.7	
Q1983-22	OR-636-11	30	1.19	10.59	11.78	10.5	87.9	
Q1983-23	OR-636-12	31	1.15	10.43	11.58	9.76	82.6	
Q1983-25	OR-636-COMP-05	32	1.17	9.97	11.14	9.07	79.2	
Q1983-26	OR-636-VOC-05	33	1.16	10.04	11.2	9.08	78.9	
Q1983-27	OR-636-13	34	1.14	10.53	11.67	11.04	94.0	
Q1983-28	OR-636-14	35	1.15	10.52	11.67	10.00	84.1	
Q1983-29	OR-636-15	36	1.16	10.35	11.51	9.74	82.9	
Q1983-31	OR-636-COMP-06	37	1.15	9.84	10.99	9.52	85.1	
Q1983-32	OR-636-VOC-06	38	1.17	10.61	11.78	10.78	90.6	
Q1983-33	OR-636-16	39	1.19	9.73	10.92	10.4	94.7	
Q1983-34	OR-636-17	40	1.13	10.55	11.68	10.37	87.6	
Q1983-35	OR-636-18	41	1.18	10.15	11.33	9.59	82.9	
Q1983-37	OR-636-COMP-07	42	1.18	10.44	11.62	10.35	87.8	
Q1983-38	OR-636-VOC-07	43	1.12	10.77	11.89	10.88	90.6	
Q1983-39	OR-636-19	44	1.15	9.66	10.81	9.34	84.8	
Q1983-40	OR-636-20	45	1.18	10.29	11.47	10.21	87.8	
Q1983-41	OR-636-21	46	1.14	10.58	11.72	10.5	88.5	
Q1983-43	OR-636-COMP-08	47	1.15	10.25	11.4	10.45	90.7	
Q1983-44	OR-636-VOC-08	48	1.16	9.97	11.13	10.78	96.5	
Q1983-45	OR-636-22	49	1.13	10.62	11.75	10.91	92.1	
Q1983-46	OR-636-23	50	1.19	9.96	11.15	10.05	89.0	
Q1983-47	OR-636-24	51	1.13	10.33	11.46	11.18	97.3	
Q1983-49	OR-636-COMP-09	52	1.13	10.36	11.49	10.31	88.6	
Q1983-50	OR-636-VOC-09	53	1.19	10.54	11.73	10.1	84.5	
Q1983-51	OR-636-25	54	1.16	10.09	11.25	9.61	83.7	
Q1983-52	OR-636-26	55	1.18	10.11	11.29	9.93	86.5	
Q1983-53	OR-636-27	56	1.16	9.66	10.82	10.34	95.0	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1984-01	OU4-PCS-TC-33-050725	57	1.15	9.96	11.11	10.62	95.1	
Q1984-03	OU4-PCS-TC-34-050725	58	1.16	10.82	11.98	11.51	95.7	
Q1984-05	OU4-PCS-TC-35-050725	59	1.19	9.50	10.69	10.16	94.4	
Q1984-07	OU4-TS-24-050725	60	1.15	10.00	11.15	8.12	69.7	
Q1984-09	OU4-TS-25-050725	61	1.17	10.51	11.68	8.32	68.0	
Q1984-11	OU4-TS-26-050725	62	1.17	10.18	11.35	7.29	60.1	
Q1984-13	OU4-TS-27-050725	63	1.16	9.67	10.83	7.2	62.5	
Q1984-15	OU4-TS-28-050725	64	1.16	9.98	11.14	7.61	64.6	
Q1986-01	COMP-8	65	1.18	10.04	11.22	10.5	92.8	
Q1986-03	COMP-9	66	1.18	10.05	11.23	10.44	92.1	
Q1986-05	COMP-10	67	1.16	9.77	10.93	9.84	88.8	
Q1986-07	COMP-11	68	1.19	10.33	11.52	10.55	90.6	
Q1986-09	COMP-218	69	1.16	10.18	11.34	10.45	91.3	
Q1987-01	GC1	70	1.14	9.89	11.03	9.7	86.6	
Q1990-01	43025-A	71	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1990-02	43025-B	72	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1991-01	1217	73	1.00	1.00	2.00	2.00	100.0	oil sample
Q1991-03	30425	74	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1929-14	WC-A4-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-15	WC-A1-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-16	WC-A1-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1982-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-02	TP-2B	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-03	TP-3	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-04	TP-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-05	TP-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-06	TP-6	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-07	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-08	TP-8	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-01	OR-636-COMP-01	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-02	OR-636-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-03	OR-636-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-04	OR-636-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-05	OR-636-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-07	OR-636-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-08	OR-636-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-09	OR-636-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-10	OR-636-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-11	OR-636-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05108125 151.00

Raw Sample Received by: [signature] (WDC)

Raw Sample Relinquished by: [signature]

Date/Time 05108125 1730

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (WDC)

WORKLIST(Hardcopy Internal Chain)

1135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-13	OR-636-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-14	OR-636-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-15	OR-636-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-16	OR-636-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-17	OR-636-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-19	OR-636-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-20	OR-636-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-21	OR-636-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-22	OR-636-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-23	OR-636-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-25	OR-636-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-26	OR-636-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-27	OR-636-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-28	OR-636-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-29	OR-636-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-31	OR-636-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-32	OR-636-VOC-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-33	OR-636-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-34	OR-636-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-35	OR-636-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-37	OR-636-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: CP

Date/Time 05/08/25 17:30

Raw Sample Received by: CP

Raw Sample Relinquished by: JB WOC

WORKLIST(Hardcopy Internal Chain)

JD 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-38	OR-636-VOC-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-39	OR-636-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-40	OR-636-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-41	OR-636-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-43	OR-636-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-44	OR-636-VOC-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-45	OR-636-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-46	OR-636-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-47	OR-636-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-49	OR-636-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-50	OR-636-VOC-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-51	OR-636-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-52	OR-636-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-53	OR-636-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1984-01	OU4-PCS-TC-33-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-03	OU4-PCS-TC-34-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-05	OU4-PCS-TC-35-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-07	OU4-TS-24-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-09	OU4-TS-25-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-11	OU4-TS-26-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-13	OU4-TS-27-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05/08/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

LB135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-15	OU4-TS-28-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1986-01	COMP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-03	COMP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-05	COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-07	COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-09	COMP-218	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1987-01	GC1	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/07/2025	Chemtech -SO
Q1990-01	43025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1990-02	43025-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-01	1217	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-03	30425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO

Date/Time 05/08/25 1510

Raw Sample Received by: LWOC

Raw Sample Relinquished by:

Date/Time 05/08/25 1730

Raw Sample Received by:

Raw Sample Relinquished by: LWOC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 05/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135825

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1984-19	OU4-TB01-050725	1	1.00	1.00	2.00	2.00	100.0	T.B.
Q2074-01	TP-12	2	1.18	10.28	11.46	9.76	83.5	
Q2074-02	TP-7	3	1.18	10.15	11.33	10.18	88.7	
Q2074-03	TP-15	4	1.13	10.33	11.46	10.12	87.0	
Q2074-04	TP-20	5	1.12	10.65	11.77	10.1	84.3	
Q2074-05	TP-38	6	1.18	10.19	11.37	9.53	81.9	
Q2074-06	TP-19	7	1.16	10.12	11.28	9.85	85.9	
Q2074-07	TP-40	8	1.14	9.89	11.03	9.96	89.2	
Q2074-08	TP-18	9	1.15	10.16	11.31	9.07	78.0	
Q2075-01	SS-10	10	1.16	10.56	11.72	9.59	79.8	
Q2075-02	SS-910	11	1.17	10.05	11.22	9.34	81.3	
Q2075-03	SS-11	12	1.18	10.51	11.69	10.37	87.4	
Q2075-04	Q2075-03MS	13	1.18	10.51	11.69	10.37	87.4	
Q2075-05	Q2075-03MSD	14	1.18	10.51	11.69	10.37	87.4	
Q2075-06	SS-MW1-11.5	15	1.14	10.00	11.14	10.24	91.0	
Q2076-01	OILY-DEBRIS	16	1.00	1.00	2.00	2.00	100.0	oily-debris
Q2080-01	PL-HRH-COMP-01	17	1.13	10.62	11.75	10.32	86.5	
Q2080-02	PL-HRH-VOC-01	18	1.17	10.22	11.39	9.6	82.5	
Q2080-03	PL-HRH-01	19	1.12	10.77	11.89	10.16	83.9	
Q2080-04	PL-HRH-02	20	1.16	10.40	11.56	9.82	83.3	
Q2080-05	PL-HRH-03	21	1.15	10.00	11.15	9.43	82.8	
Q2080-07	PL-HRH-COMP-02	22	1.19	10.46	11.65	9.62	80.6	
Q2080-08	PL-HRH-VOC-02	23	1.14	10.76	11.9	9.8	80.5	
Q2080-09	PL-HRH-04	24	1.16	10.70	11.86	9.55	78.4	
Q2080-10	PL-HRH-05	25	1.19	10.43	11.62	9.52	79.9	
Q2080-11	PL-HRH-06	26	1.13	10.74	11.87	10.2	84.5	
Q2081-01	CAULK	27	1.00	1.00	2.00	2.00	100.0	caluk

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 05/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135825

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135825

WorkList Name : %1-051925 **WorkList ID :** 189586 **Department :** Wet-Chemistry **Date :** 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-19	OU4-TB01-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q2074-01	TP-12	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-02	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-03	TP-15	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-04	TP-20	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-05	TP-38	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-06	TP-19	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-07	TP-40	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-08	TP-18	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2075-01	SS-10	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2075-02	SS-910	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-03	SS-11	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-04	Q2075-03MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-05	Q2075-03MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-06	SS-MW1-11.5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2076-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/16/2025	Chemtech -SO
Q2080-01	PL-HRH-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-02	PL-HRH-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-03	PL-HRH-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-04	PL-HRH-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-05	PL-HRH-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO

Date/Time 05-19-25 15:35

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05-19-25 17:15

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 135825

WorkList Name : %1-051925 **WorkList ID :** 189586 **Department :** Wet-Chemistry **Date :** 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2080-07	PL-HRH-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-08	PL-HRH-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-09	PL-HRH-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-10	PL-HRH-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-11	PL-HRH-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2081-01	CAULK	Solid	Percent Solids	Cool 4 deg C	ATCE02	L31	05/19/2025	Chemtech -SO

Date/Time 05.19.25 15:35

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05.19.25 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 : Q1984

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VY051525,VY051625,

Standard ID :
VP131746,VP131767,VP131783,VP132035,VP132036,VP132037,VP132038,VP132097,VP132098,VP132099,VP132101,VP132102,VP132678,VP133175,VP133176,VP133177,VP133608,VP133609,VP133758,VP133759,VP133760,VP133761,VP133762,VP133763,VP133887,VP133888,VP133889,VP133890,VP133916,VP133918,VP133919,VP133920,VP133921,VP133922,VP133923,VP133924,VP133925,VP133934,VP133936,VP133942,VP133943,

Chemical ID :
V12967,V13391,V13449,V13465,V13466,V13582,V13706,V13822,V14127,V14154,V14180,V14195,V14289,V14290,V14423,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14614,V14615,V14624,V14630,V14631,V14632,V14633,V14711,V14717,V14718,V14721,V14749,V14750,V14794,V14811,V14812,V14843,V14915,V14916,V14917,V14918,V14919,V14920,V14921,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1812	8260 Working Std(2-CVE)-100ppm	VP132037	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.25000ml of V14633 + 24.75000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1813	8260 Working Std(2-CVE)-50ppm	VP132038	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 20.00000ml of V14614 + 1.25000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
253	8260 Working STD (BCM)-First source, 20PPM	VP132097	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.50000ml of V13466 + 49.50000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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
254	8260 Working STD (BCM)-First source, 10PPM	VP132099	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.05000ml of V13465 + 9.95000ml of V14614 = 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
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP132101	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.80000ml of V13582 + 9.20000ml of V14614 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1819	8260 Working Std(2-CVE)-SS, 500ppm	VP132102	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.87500ml of V14614 + 3.12500ml of VP132101 = 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
262	8260 Working STD (BCM)-Second source, 100PPM	VP132678	01/24/2025	07/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 1.00000ml of V12967 + 9.00000ml of V14624 = Final Quantity: 10.000 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
1738	8260 surrogate 20 ppm	VP133176	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.02000ml of V13706 + 24.99000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
250	8260 Surrogate, 10PPM	VP133177	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 9.00000ml of V14613 + 1.00000ml of VP133175 = 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
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP133608	04/04/2025	05/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/07/2025

FROM 0.16000ml of V13449 + 0.80000ml of V13822 + 0.80000ml of V14127 + 0.80000ml of V14180 + 0.80000ml of V14423 + 0.80000ml of V14794 + 1.60000ml of V14195 + 4.24000ml of V14615 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
260	8260 Calibration Working STD Mix-Second source, 100PPM	VP133609	04/04/2025	05/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/07/2025

FROM 1.87500ml of V14615 + 3.12500ml of VP133608 = 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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133758	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 1.00000ml of V14915 + 1.00000ml of V14916 + 1.00000ml of V14917 + 1.00000ml of V14918 + 21.00000ml of V14615 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133759	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 5.62500ml of V14615 + 9.37500ml of VP133758 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP133760	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 17.50000ml of V14615 + 2.50000ml of VP133758 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
181	8260 Working STD (Acrolein)-First source, 50PPM	VP133761	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 9.37500ml of V14615 + 0.62500ml of VP133758 = 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
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP133762	04/24/2025	05/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 0.60000ml of V14920 + 1.00000ml of V14919 + 8.40000ml of V14615 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
264	8260 Working STD (Acrolein)-Second source, 500PPM	VP133763	04/24/2025	05/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 1.87500ml of V14615 + 3.12500ml of VP133762 = 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
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133887	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133888	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 5.62500ml of V14921 + 9.37500ml of VP133887 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP133889	05/12/2025	06/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 17.50000ml of V14921 + 2.50000ml of VP133887 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
246	8260 Calibration Working STD Mix-First source, 10PPM	VP133890	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 9.37500ml of V14921 + 0.62500ml of VP133887 = 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
732	BFB TUNE CHECK - SOIL	VP133916	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

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
267	5 PPB ICC, 8260-SOIL	VP133918	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132038 + 0.00250ml of VP132099 + 0.00250ml of VP133177 + 0.00250ml of VP133761 + 0.00250ml of VP133890 + 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
269	10 PPB ICC, 8260-SOIL	VP133919	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132037 + 0.00250ml of VP132097 + 0.00250ml of VP133176 + 0.00250ml of VP133760 + 0.00250ml of VP133889 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
270	20 PPB ICC, 8260-SOIL	VP133920	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.96500ml of W3112 + 0.00500ml of VP131783 + 0.00500ml of VP132037 + 0.00500ml of VP132097 + 0.00500ml of VP133176 + 0.00500ml of VP133760 + 0.00500ml of VP133889 = 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
273	50 PPB ICC, 8260-SOIL	VP133921	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
280	100 PPB ICC, 8260-SOIL	VP133922	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.96500ml of W3112 + 0.00500ml of VP131783 + 0.00500ml of VP132036 + 0.00500ml of VP132098 + 0.00500ml of VP133175 + 0.00500ml of VP133759 + 0.00500ml of VP133888 = 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
282	200 PPB ICC, 8260-SOIL	VP133923	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.94900ml of W3112 + 0.00100ml of VP131746 + 0.01000ml of VP132036 + 0.01000ml of VP132098 + 0.01000ml of VP133175 + 0.01000ml of VP133759 + 0.01000ml of VP133888 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
287	50 PPB ICV, 8260-SOIL	VP133924	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132102 + 0.00250ml of VP132678 + 0.00250ml of VP133175 + 0.00250ml of VP133609 + 0.00250ml of VP133763 + 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	VP133925	05/15/2025	05/16/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

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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	VP133936	05/16/2025	05/17/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

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	VP133942	05/16/2025	05/17/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133943	05/16/2025	05/17/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	070122	07/24/2025	01/24/2025 / SAM	07/06/2022 / SAM	V12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0191703	06/02/2025	12/02/2024 / SAM	01/23/2023 / SAM	V13449

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	12/12/2024 / SAM	01/30/2023 / SAM	V13582

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	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 #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0197644	09/30/2025	03/31/2025 / SAM	05/31/2023 / SAM	V13822

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)	011624	09/30/2025	03/31/2025 / SAM	01/17/2024 / SAM	V14127

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021524	09/30/2025	03/31/2025 / SAM	02/20/2024 / SAM	V14180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	09/30/2025	03/31/2025 / SAM	02/28/2024 / SAM	V14195

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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	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	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0205013	06/30/2025	03/31/2025 / SAM	08/15/2024 / SAM	V14423

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14503

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14504

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	09/19/2025	03/19/2025 / SAM	11/26/2024 / SAM	V14615

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14711

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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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14717

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14718

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14721

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/13/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14749

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14750

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220563	09/30/2025	03/31/2025 / SAM	01/08/2025 / SAM	V14794

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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	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	11/12/2025	05/12/2025 / SAM	01/08/2025 / SAM	V14811

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	06/30/2026	05/12/2025 / SAM	01/08/2025 / SAM	V14812

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14915

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14917

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14918

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042225	05/22/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14919

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042225	05/22/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14920

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 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

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

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

12

ANAB ISO 17034 Accredit
AR-1539 Certificate Number
https://Absolutestandards.cc

CERTIFIED WEIGHT REPORT

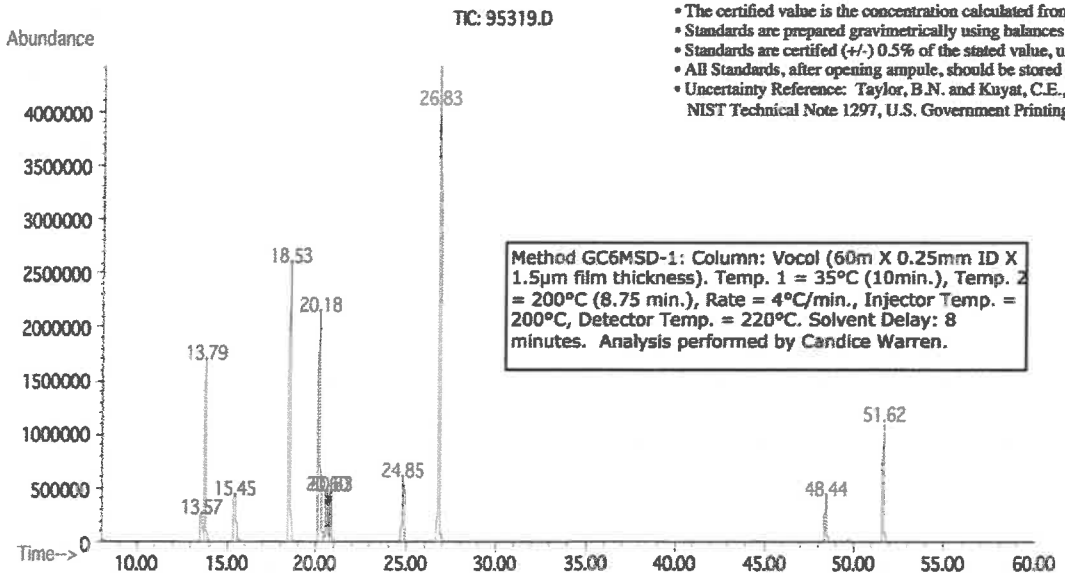
Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By:	Prashant Chauhan	011624 DATE
Reviewed By:	Pedro L. Rentas	011624 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	orl-mus 2250mg/kg
8.	Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021524
Description: Universal VOA Megamix
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): Methanol Lot# EG359-USQ12

Formulated By: Mario Luis 021524 DATE

Reviewed By: Pedro L. Rentas 021524 DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

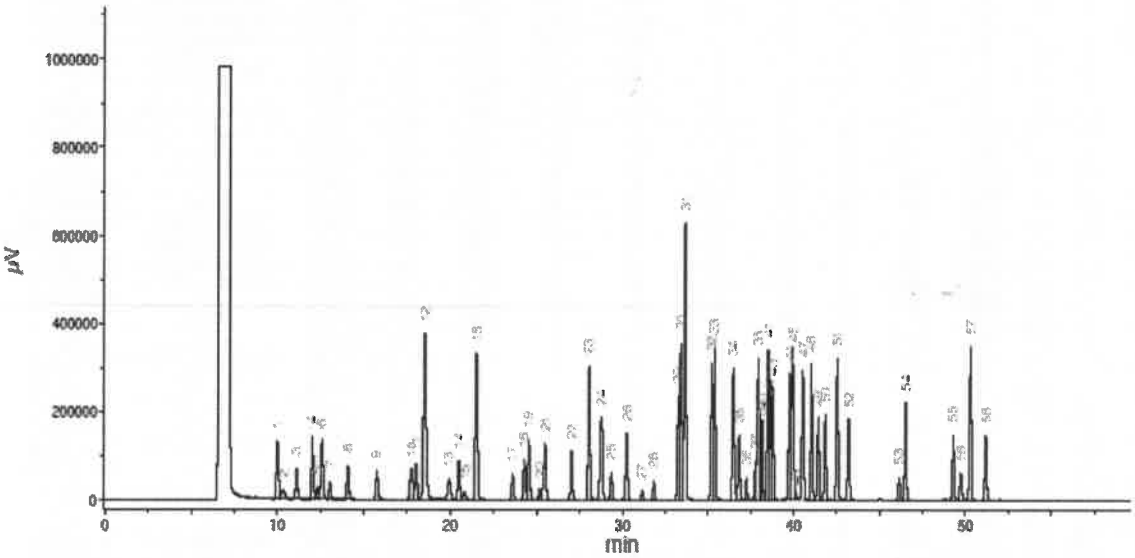
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expended Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20022	2001.5	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	0.20222	2001.5	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	0.20020	2001.3	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	0.21060	2000.2	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20734	2000.3	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	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	0.20118	2001.2	8.1	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	0.20209	2000.2	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	0.20042	2001.7	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	0.20030	2000.5	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	0.20230	2002.3	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	0.20570	2001.0	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	0.20415	2000.2	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	0.20210	2000.3	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	2018.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.8mg/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	40005.6	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 1260mg/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	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 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=6.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-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	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	33.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
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	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.10
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

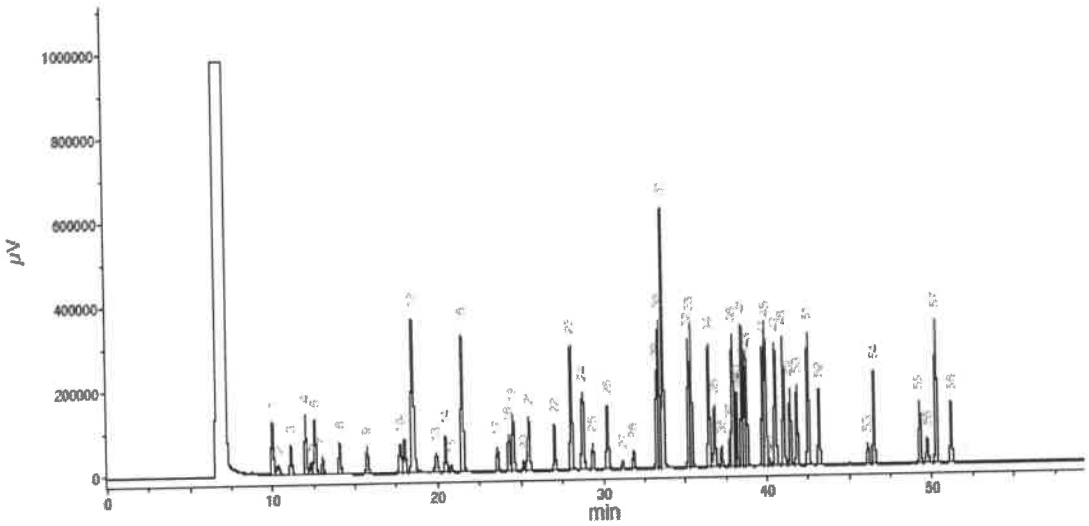
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 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	41.33
51	n-Butylbenzene	42.32
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
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

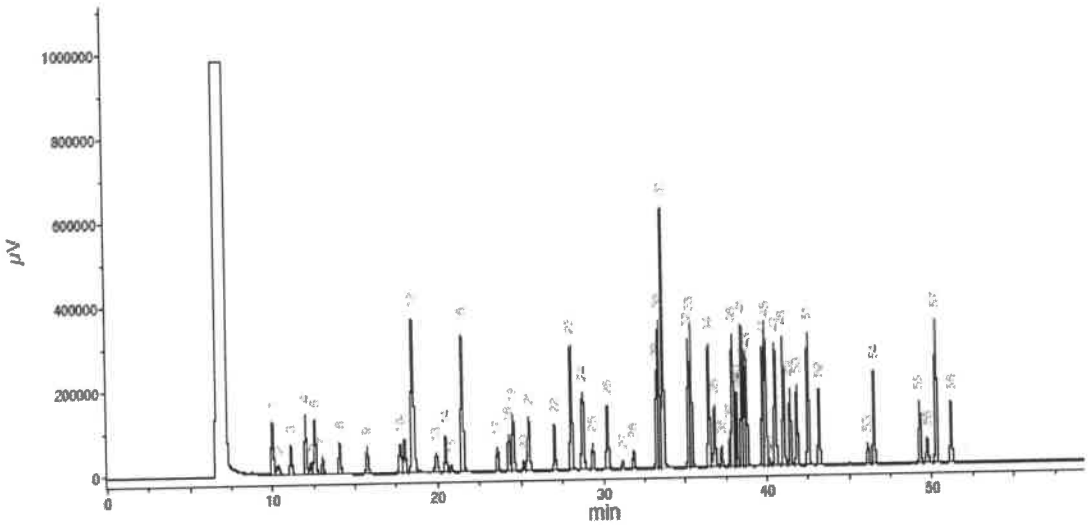
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	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	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	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	41.42
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 04/24/25 2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	042225
Description:	Acrolein
Expiration Date:	052225
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 072324Q

~~V14914~~ V14919 V14920

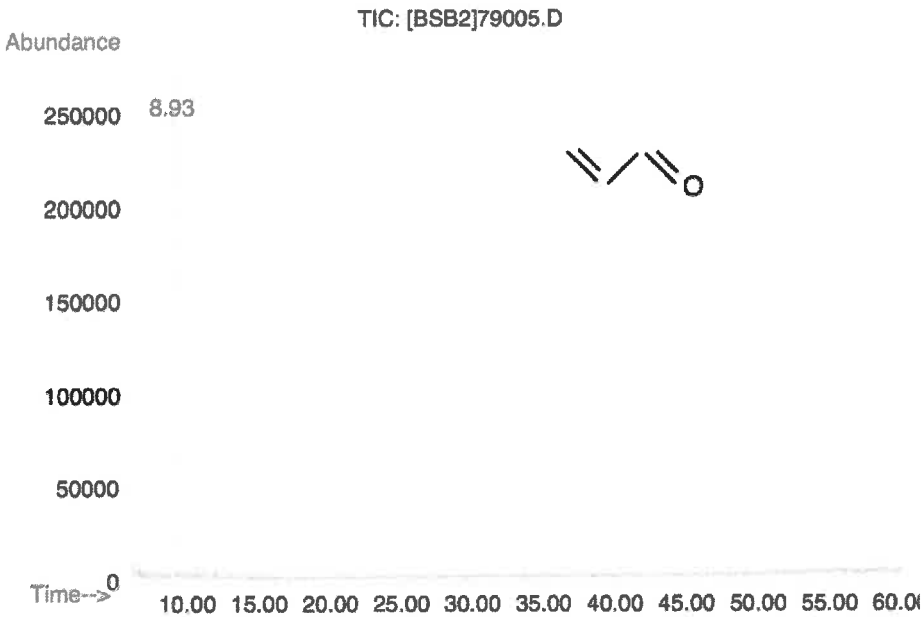
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

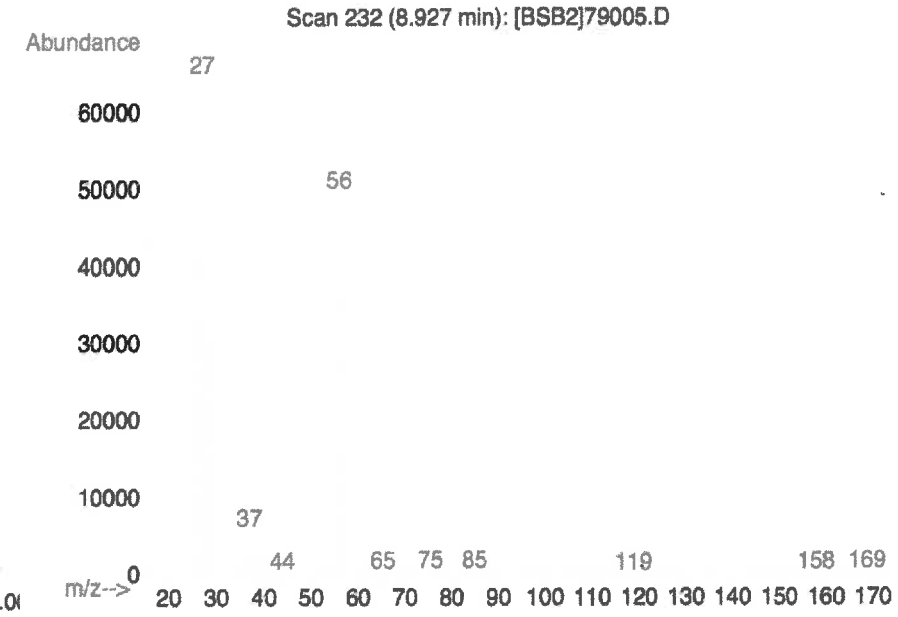
Weight(s) shown below were combined and diluted to (mL): 10.0

Justin Dippold	042225	
Formulated By:	Justin Dippold	DATE
Pedro Rentas	042225	
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	103755R02H	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 04/24/25 2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042225
Description: Acrolein

Expiration Date: 052225
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

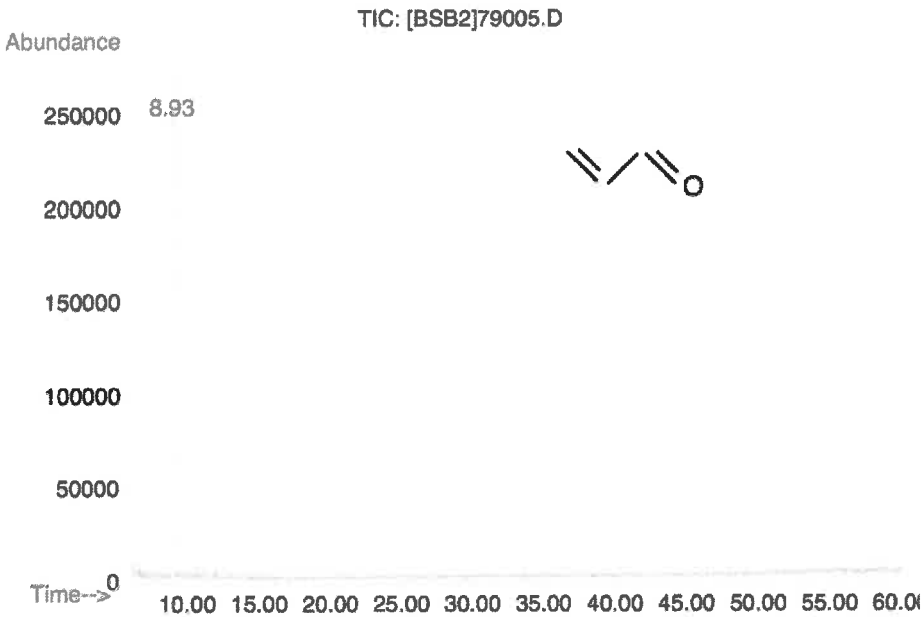
~~V14914~~
V14919
V14920

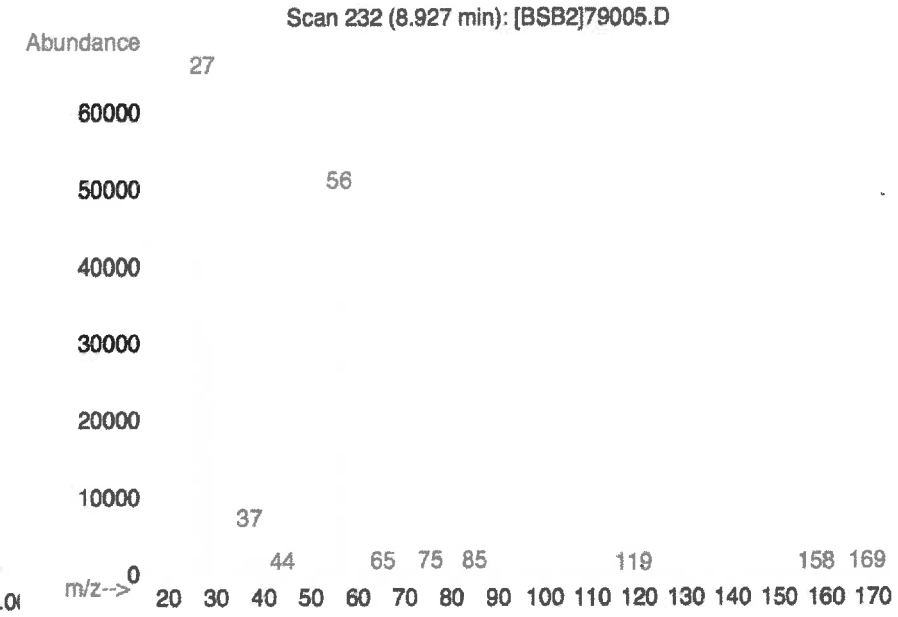
		042225
Formulated By:	Justin Dippold	DATE
		042225
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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	103755R02H	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Rec 04/24/25 5 N 104

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AR-1539 Certificate Numbe
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14914 10
V14918

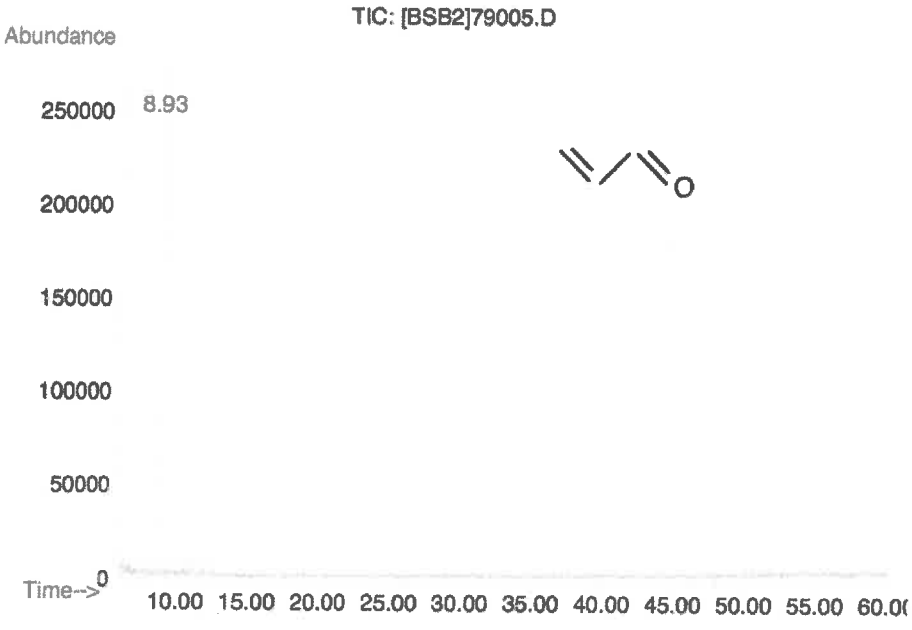
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

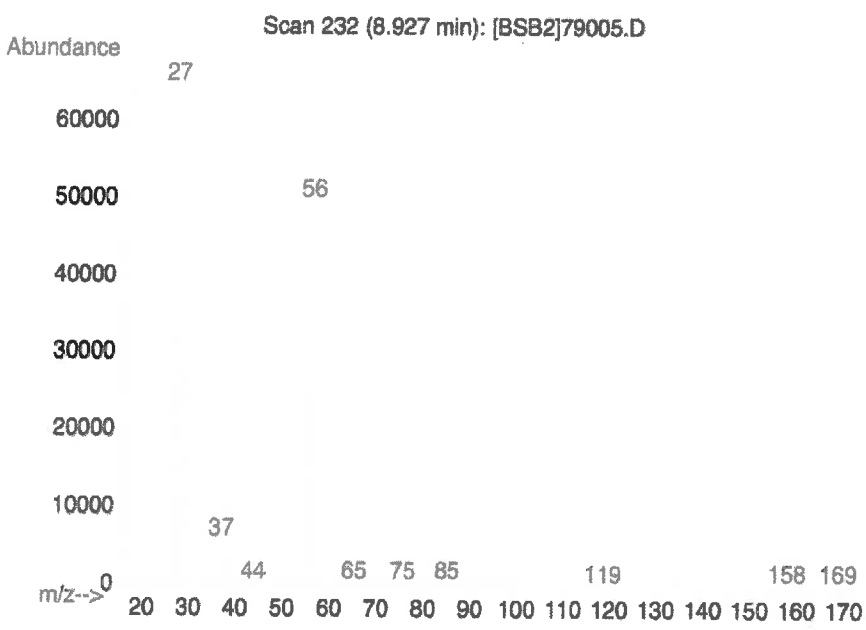
Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Rev 1.0, 2/25/2025

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 04/24/25 5 N10

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AR-1539 Certificate Numbe
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14914 10
V14918

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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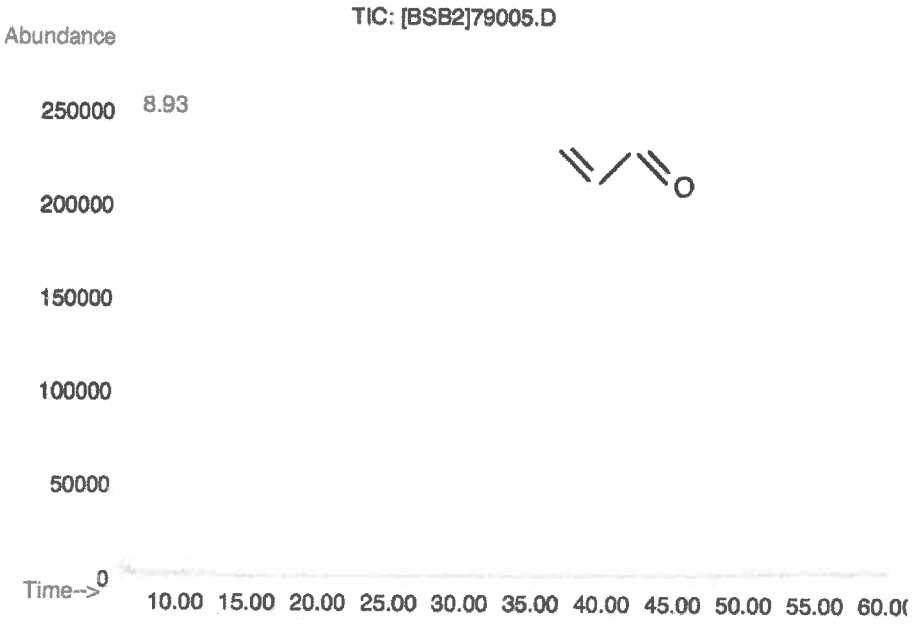
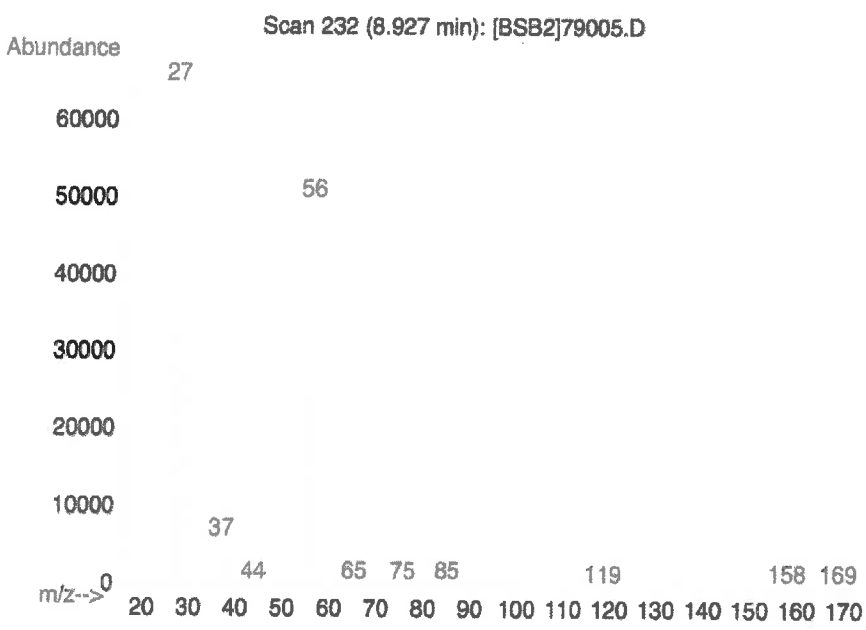
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Rev 1.0, 2/25/2025

Absolute Standards Inc.

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Phone: 203-281-2917
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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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.
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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

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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

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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Certified Reference Material CRM

Rec 04/24/25 5 N 104

ANAB ISO 17034 Accredited
AR-1539 Certificate Numbe
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14914 10
V14918

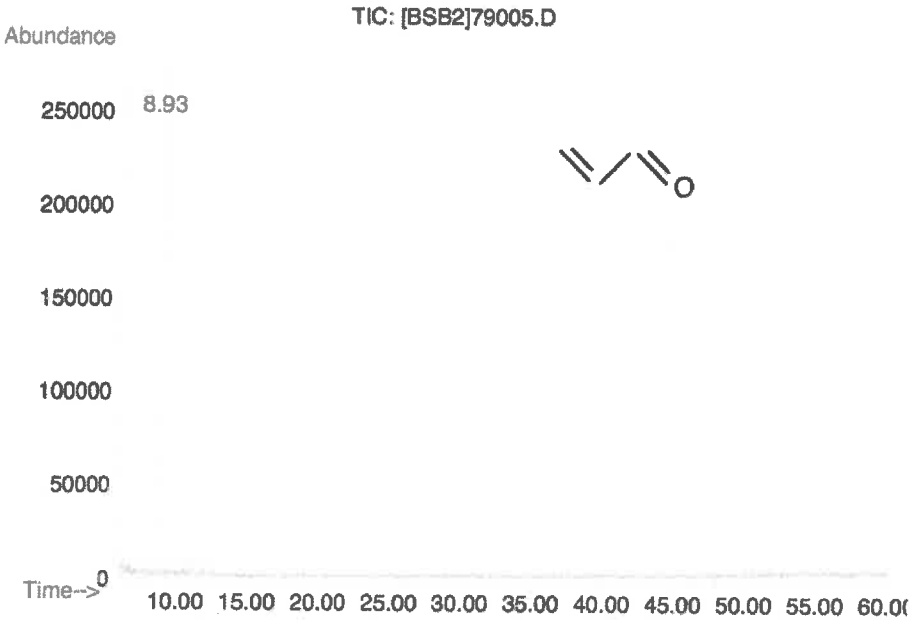
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

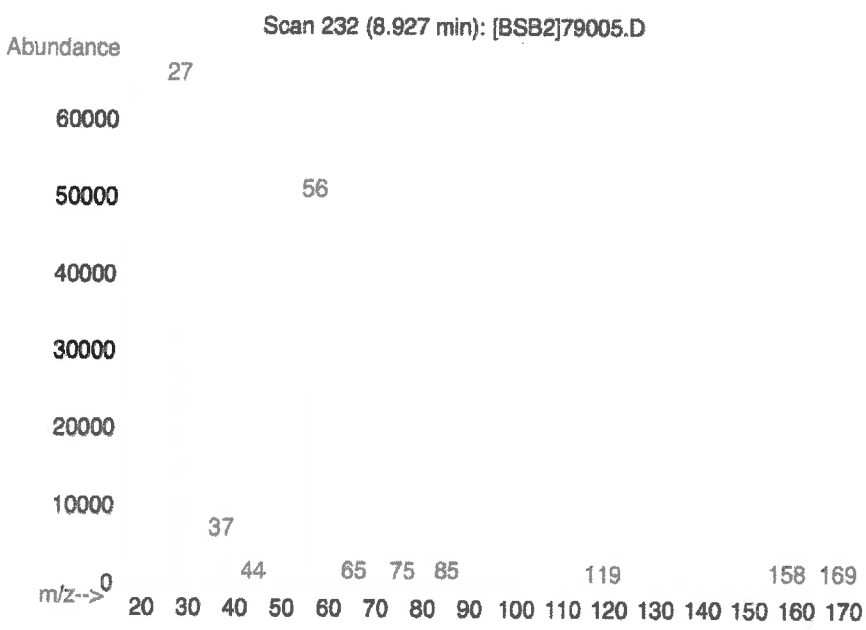
Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization wtih weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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www.absolutestandards.com

Certified Reference Material CRM

Rec 04/24/25 5 N 104

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AR-1539 Certificate Numbe
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14914 10
V14918

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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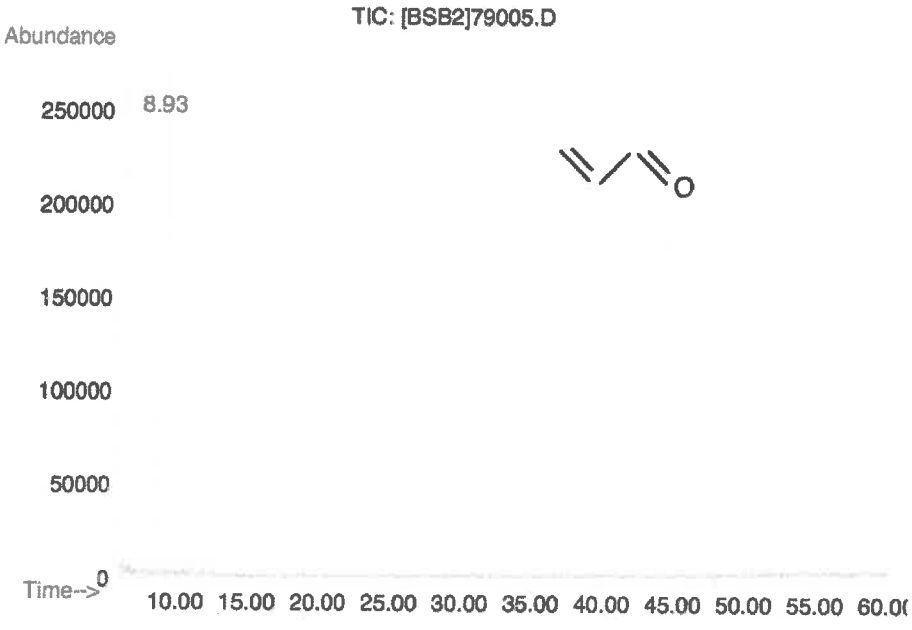
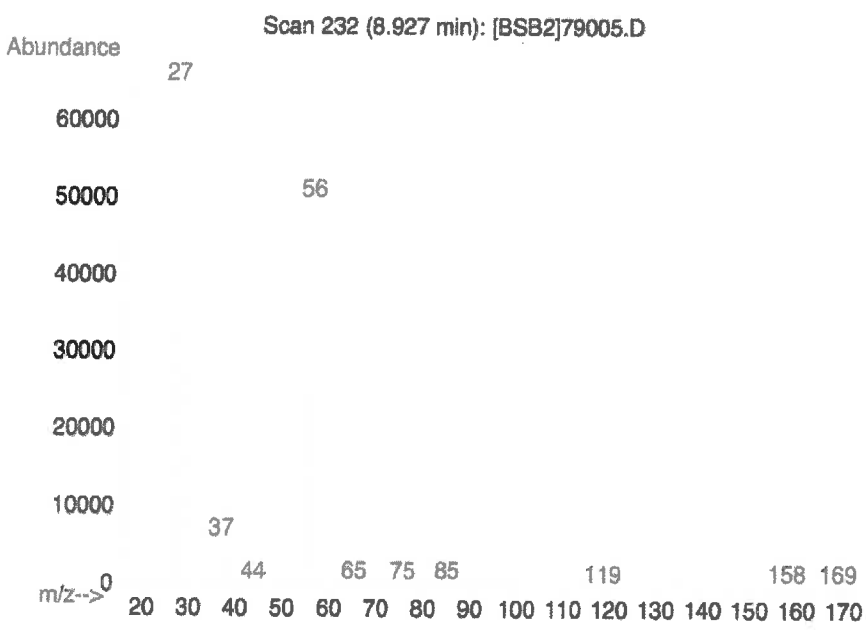
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Rev 1.0, 2/25/2025

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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)

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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

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.
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Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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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)
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IATA
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Proper shipping name: Water

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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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

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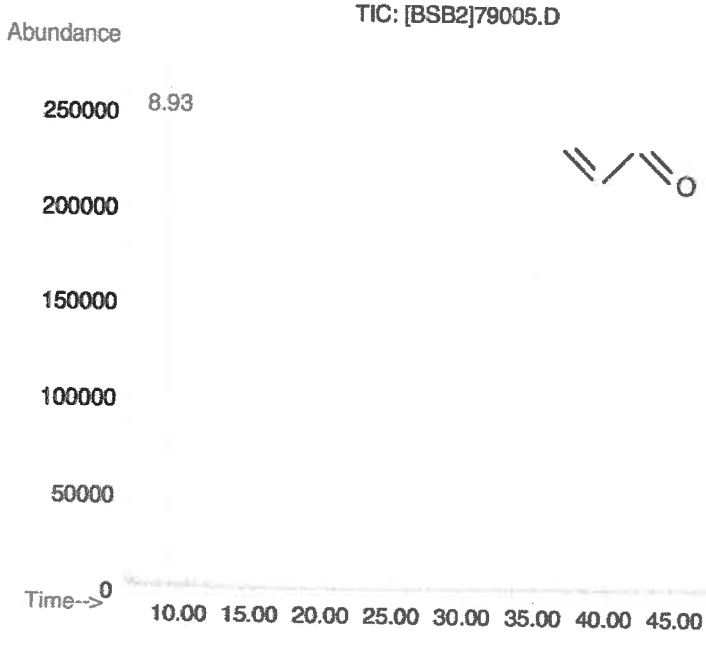

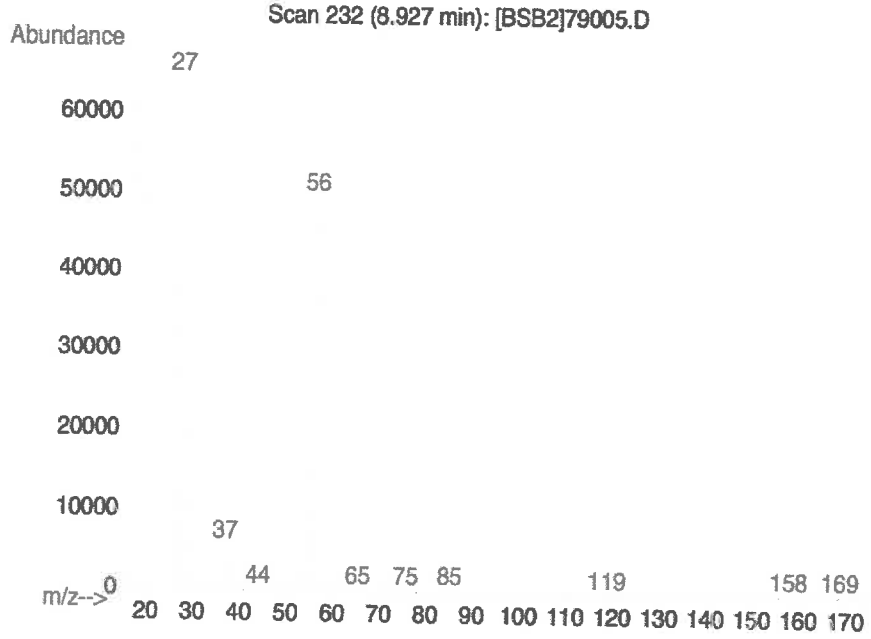

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Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

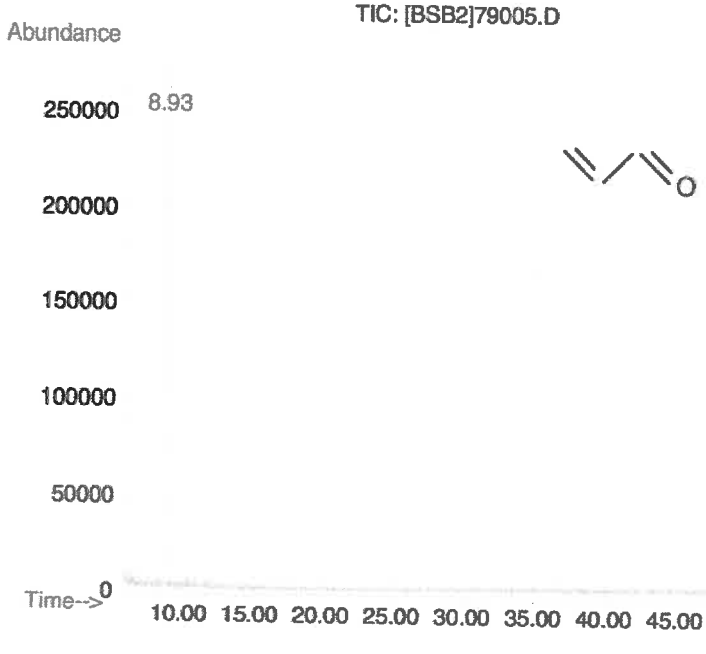
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

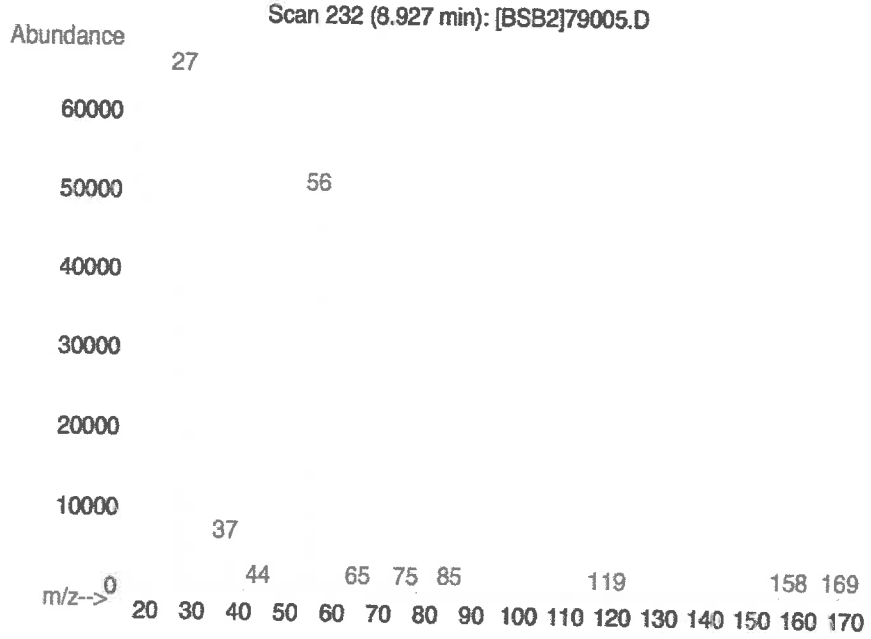
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EB679-US

Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

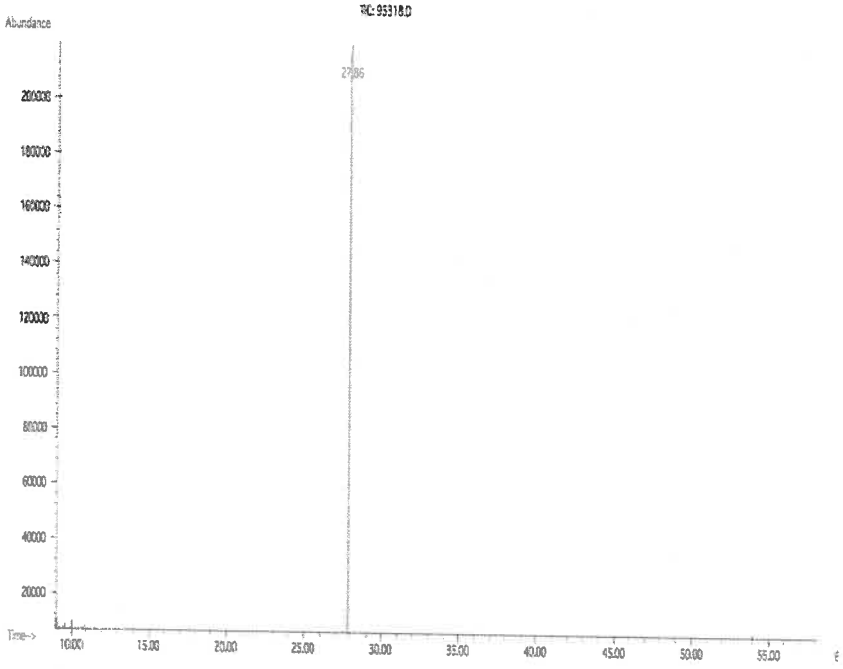
Weight(s) shown below were combined and diluted to (mL): 50.0

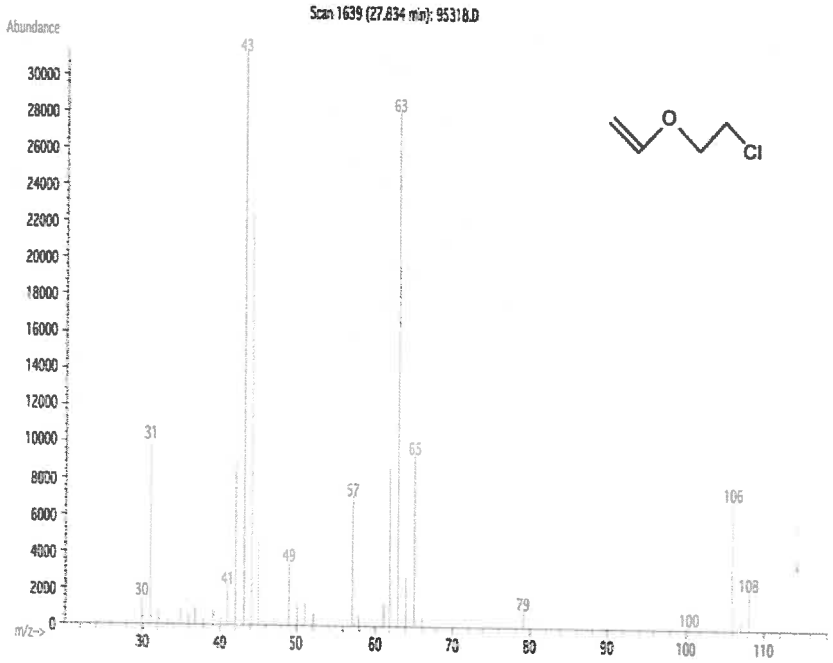
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	111722 DATE
Reviewed By:	Pedro L. Rentas	111722 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	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards, Inc.
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

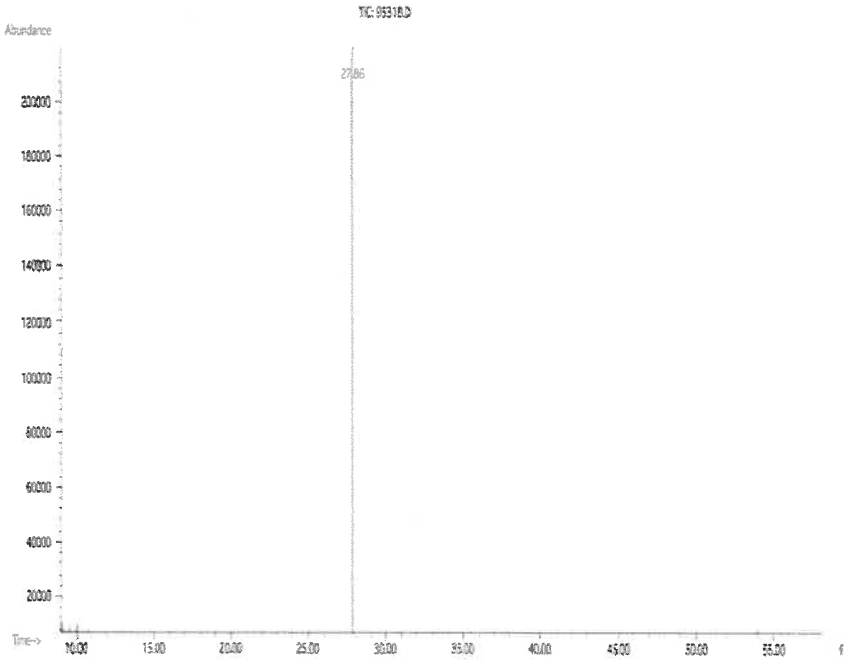
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

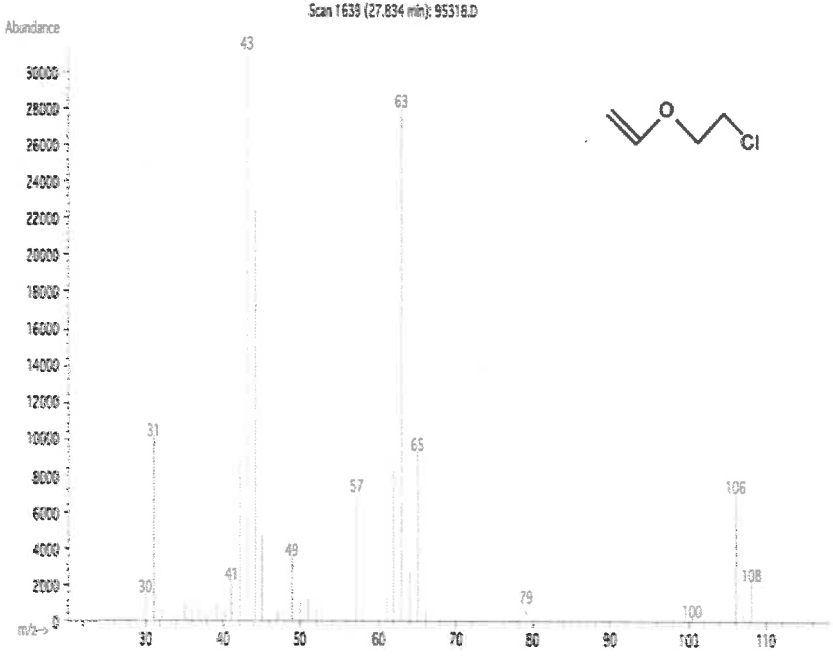
Weight(s) shown below were combined and diluted to (mL): 50.0

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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
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

Solvent(s): Methanol **Lot#** EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. 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
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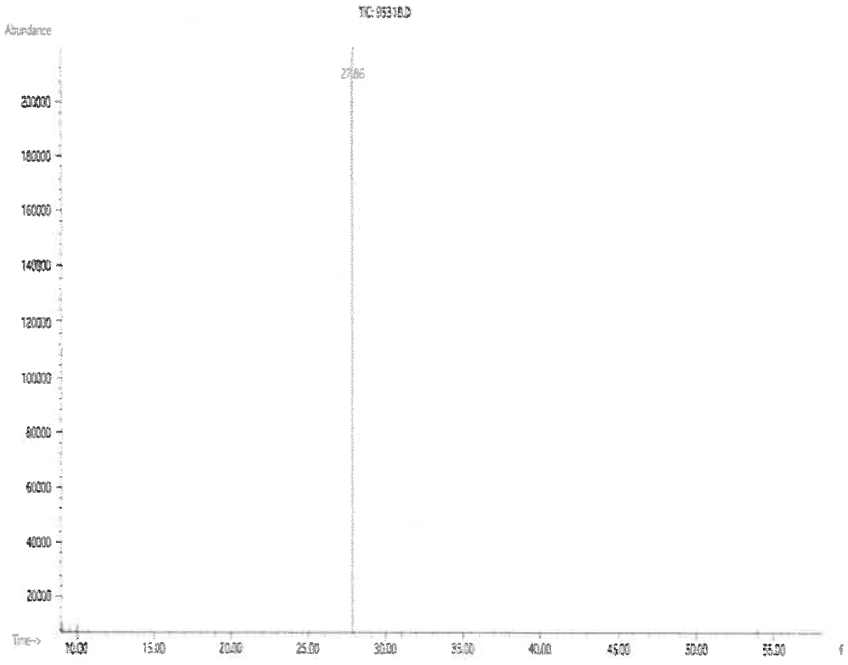
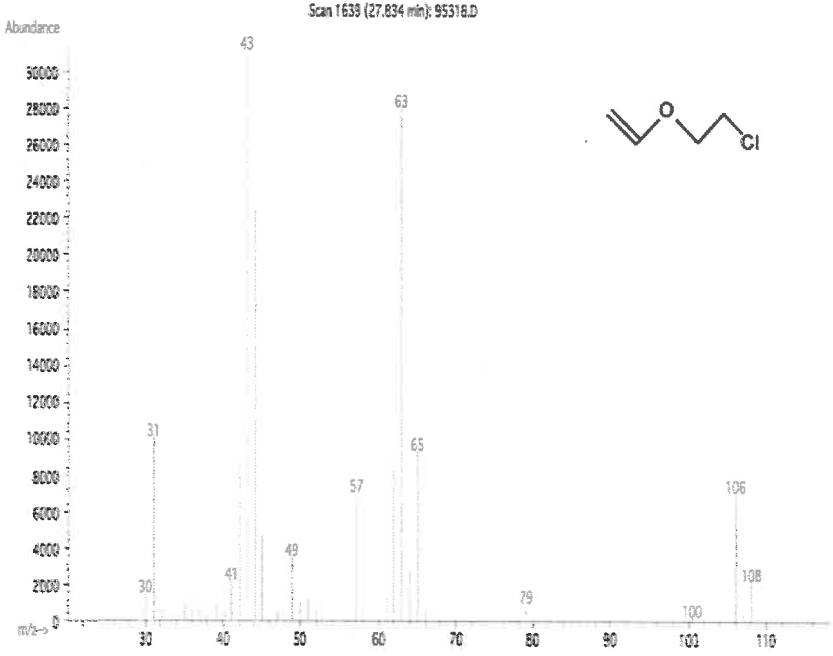
Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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
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Section XI. TOXICOLOGICAL INFORMATION

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LC50	15,400 mg/l - 96 h
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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
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

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Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

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0.001 Flask Uncertainty

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Formulated By: Prashant Chauhan	DATE
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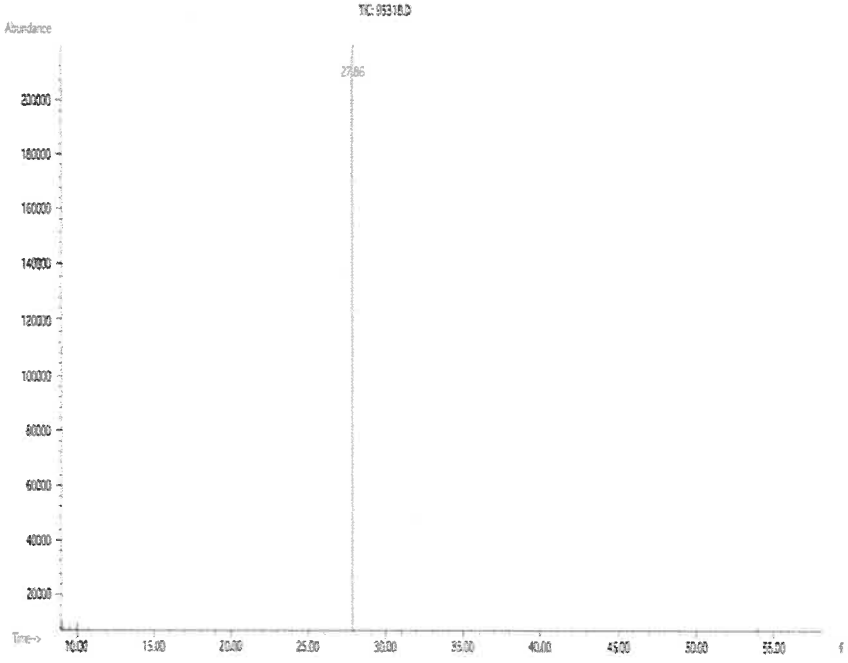

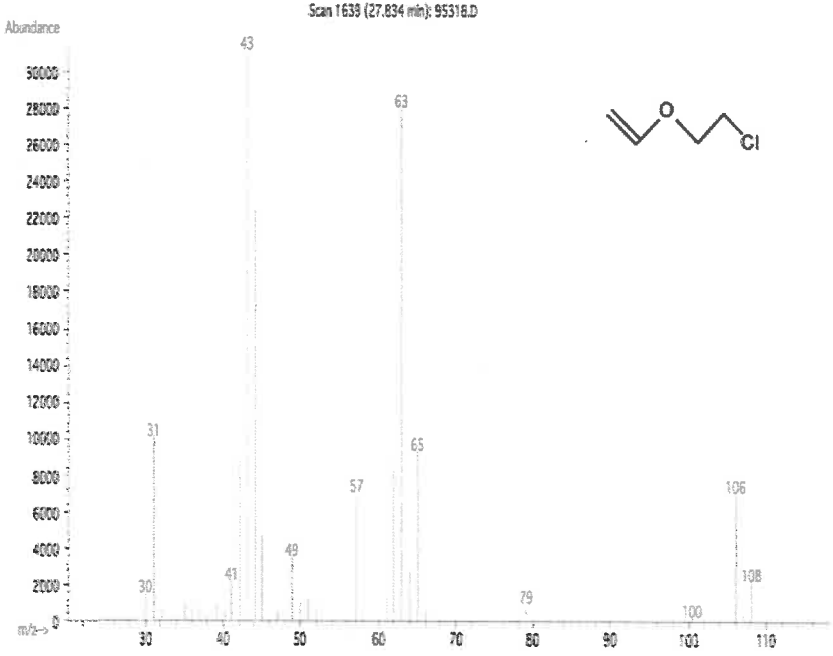

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Signal Word: DANGER

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Components (Specific Chemical Identity; Common Name(s))			% (optional)
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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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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

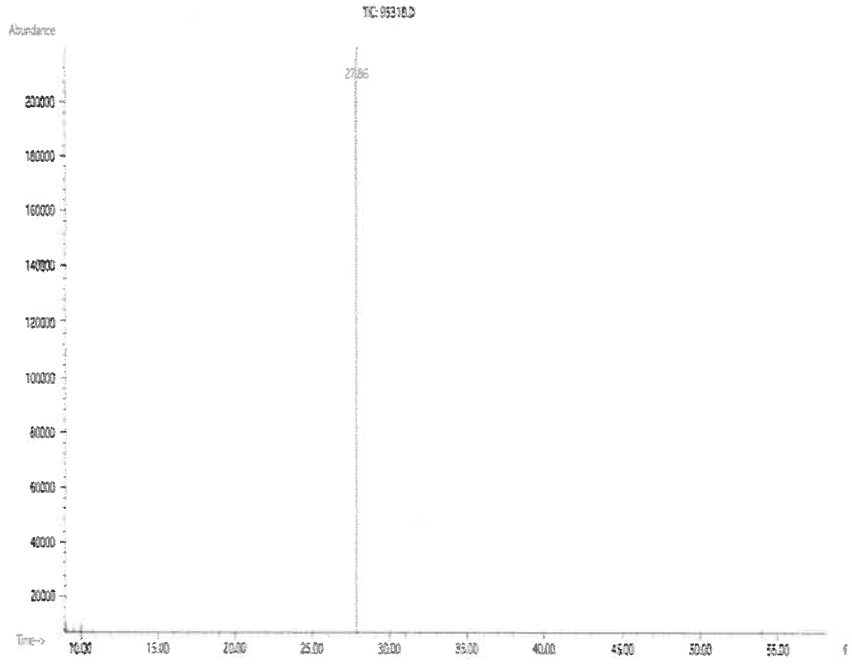
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

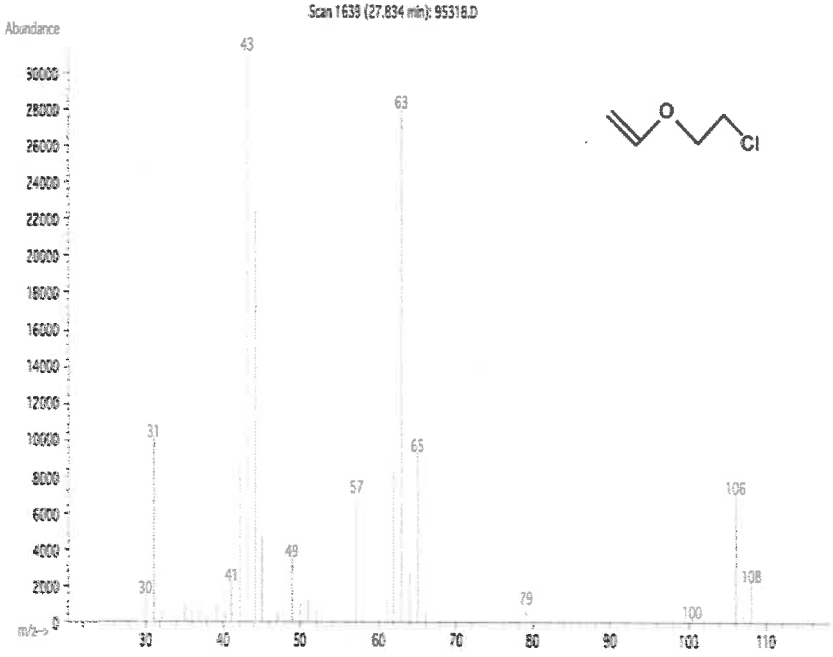
Weight(s) shown below were combined and diluted to (mL): 50.0

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.

4 J

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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0191703

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 : November 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,122.0 µg/mL	+/- 293.4753 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/- 1,073.6797 µg/mL	Unstressed
	Purity 99%		+/- 1,104.8612 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

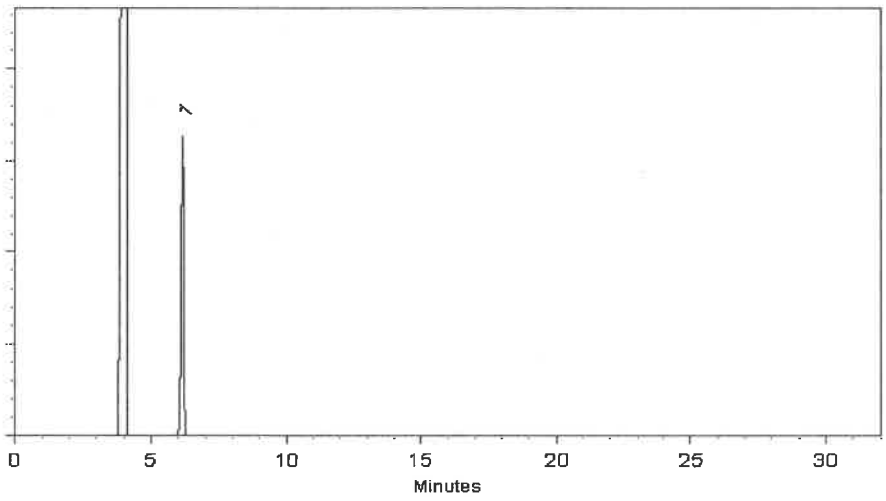
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 15-Nov-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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110 Benner Circle
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Tel: 1-814-353-1300
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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. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

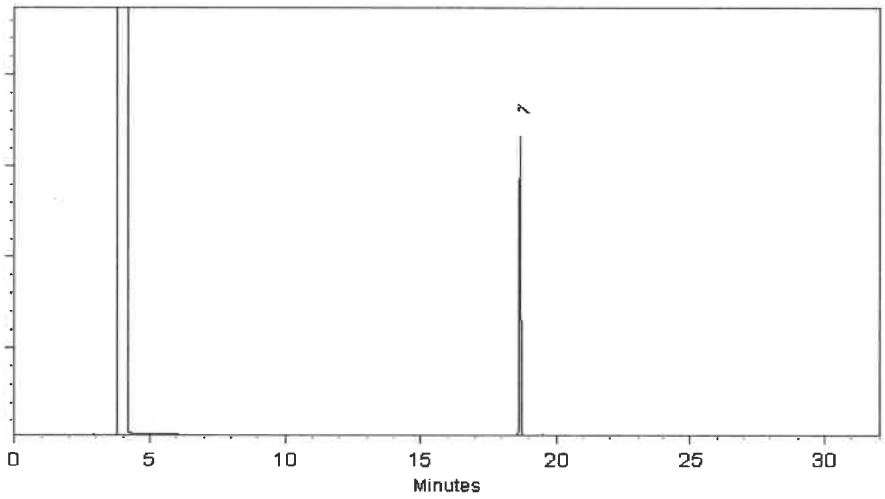
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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ACCREDITED
ISO/IEC 17025 Accredited
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

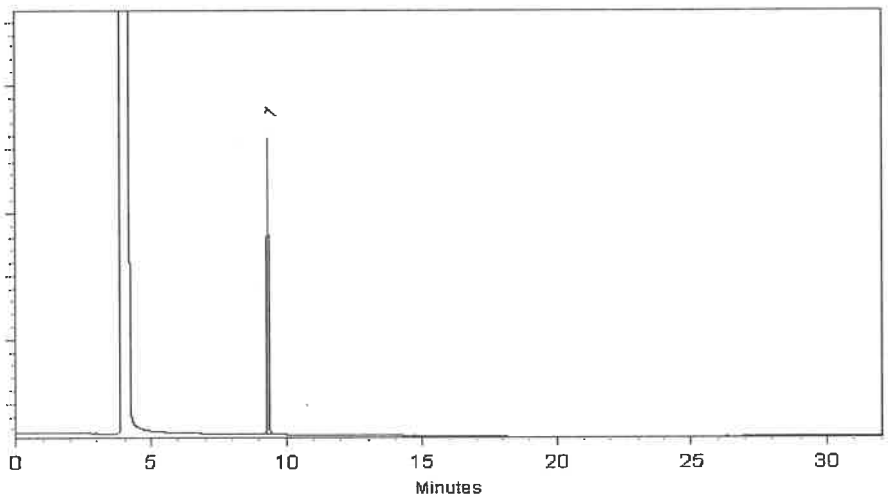
Inj. Temp:
200°C

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.
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chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

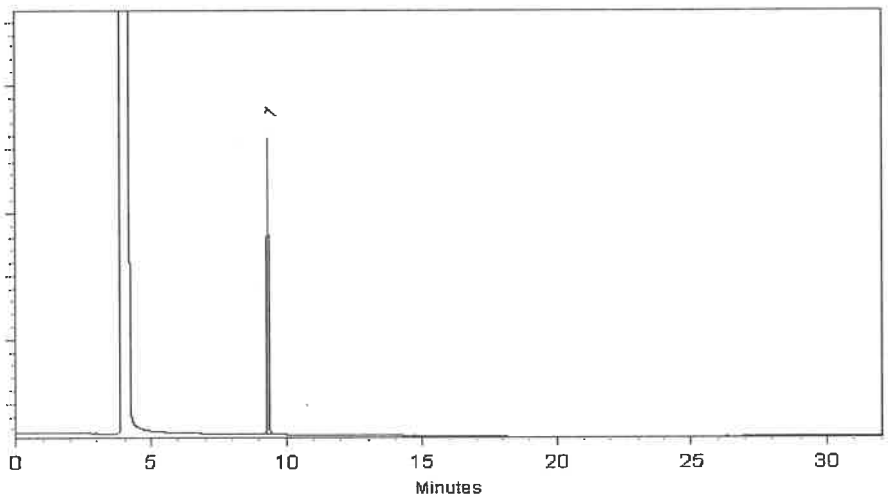
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.
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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.:** A0197644

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 : January 31, 2030 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.6 µg/mL	+/- 112.7159
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,002.0 µg/mL	+/- 112.7840
3	Vinyl chloride	75-01-4	00015559	99%	2,002.2 µg/mL	+/- 112.6713
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8861
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.5990
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	1,999.2 µg/mL	+/- 112.4861

* 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.

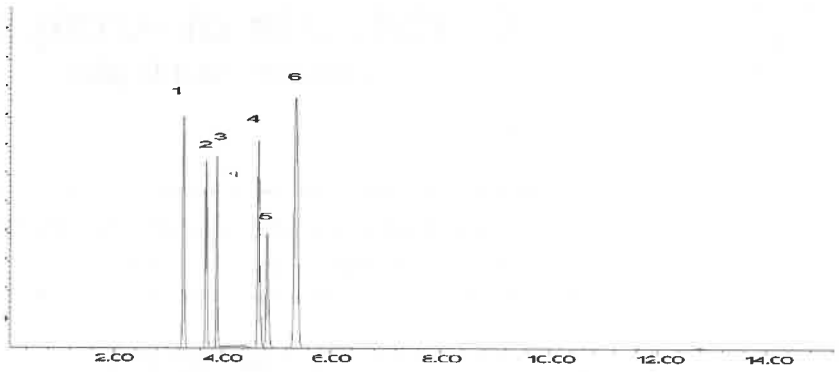
Inj. Temp:
200°C

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.

Brittany Federinko - Operations Tech I

Date Mixed: 02-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

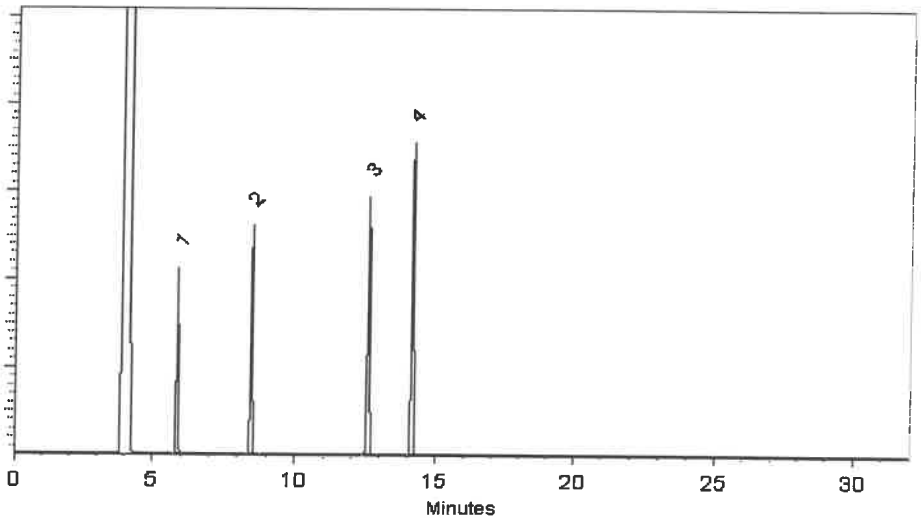
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 30489 **Lot No.:** A0205013

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 : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,012.7 µg/mL	+/- 69.5670
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,017.5 µg/mL	+/- 69.7338
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,020.0 µg/mL	+/- 69.8205
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,018.7 µg/mL	+/- 69.7744
5	Propyl acetate	109-60-4	KLOBM	99%	2,012.0 µg/mL	+/- 69.5439
6	Butyl acetate	123-86-4	SHBP6314	99%	2,020.0 µg/mL	+/- 69.8205
7	Amyl acetate	628-63-7	41325/1	97%	2,019.5 µg/mL	+/- 69.8046

* 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.)

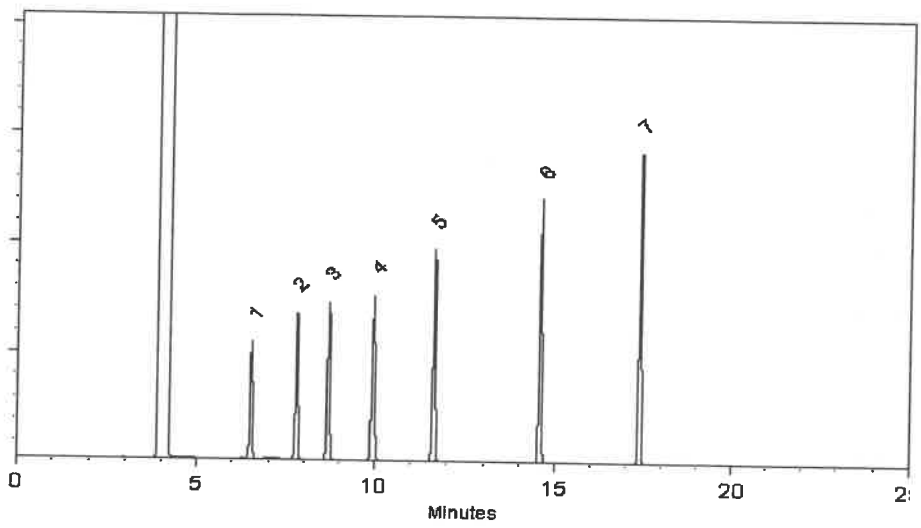
Inj. Temp:
200°C

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.

Brittany Federinko - Operations Tech I

Date Mixed: 04-Dec-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Dec-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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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.)

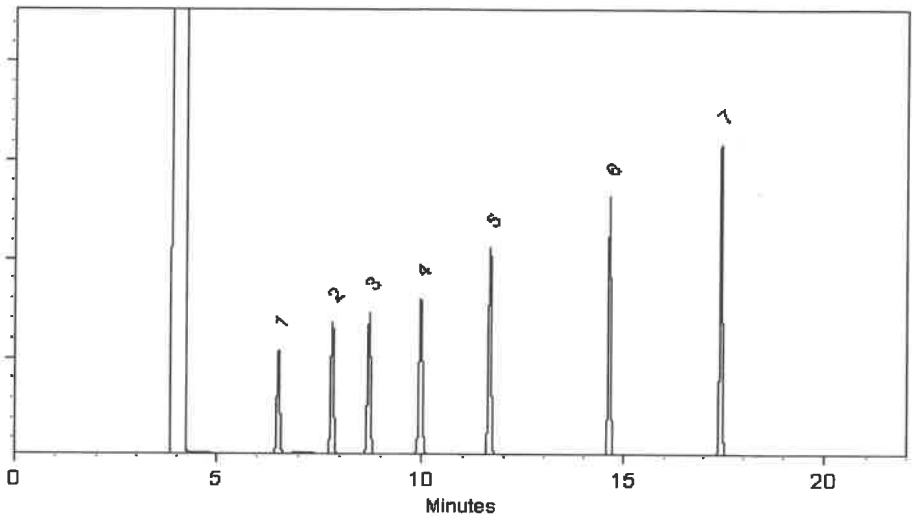
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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.)

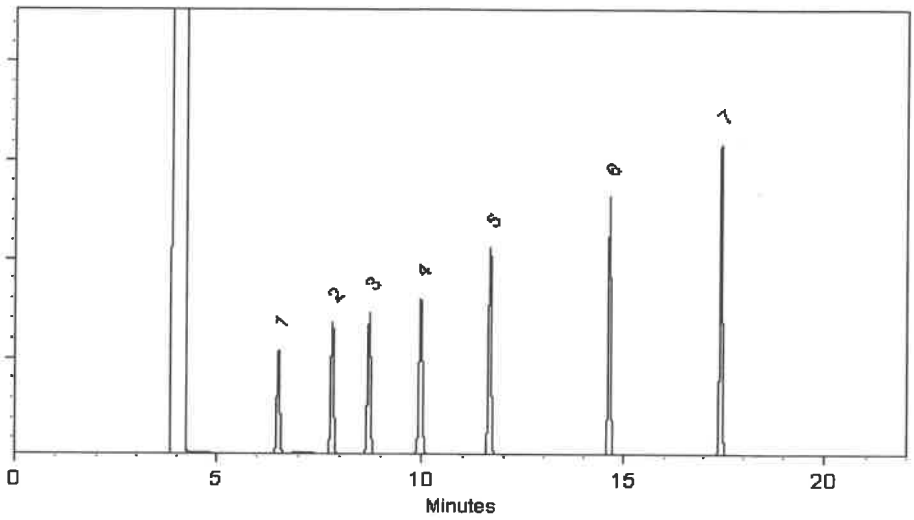
Inj. Temp:
200°C

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:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

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Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

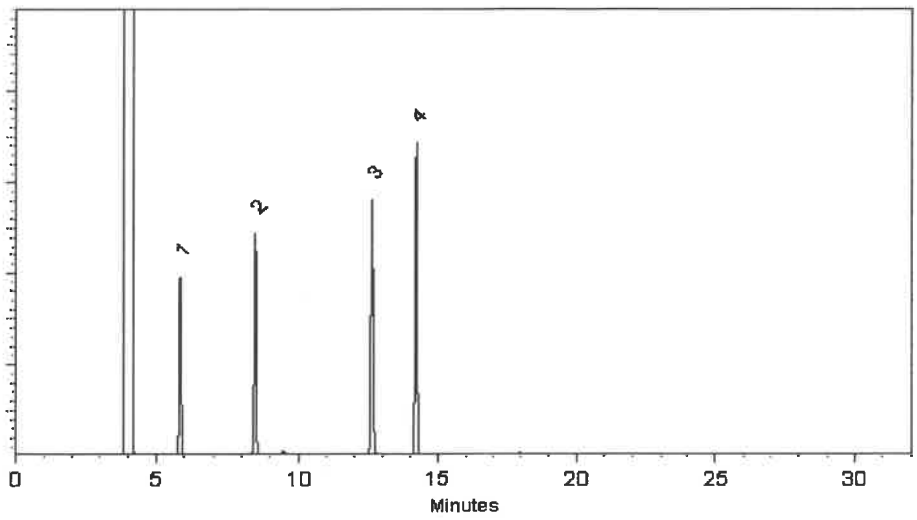
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

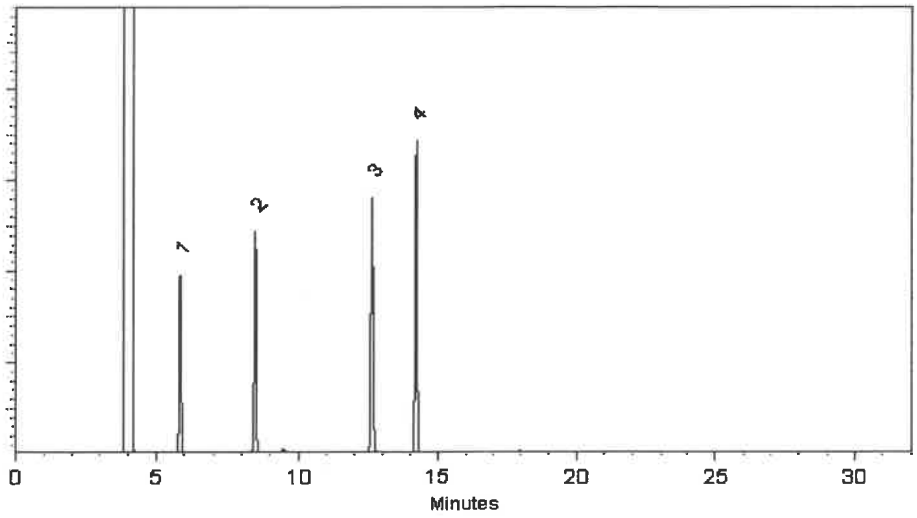
Inj. Temp:
200°C

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

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

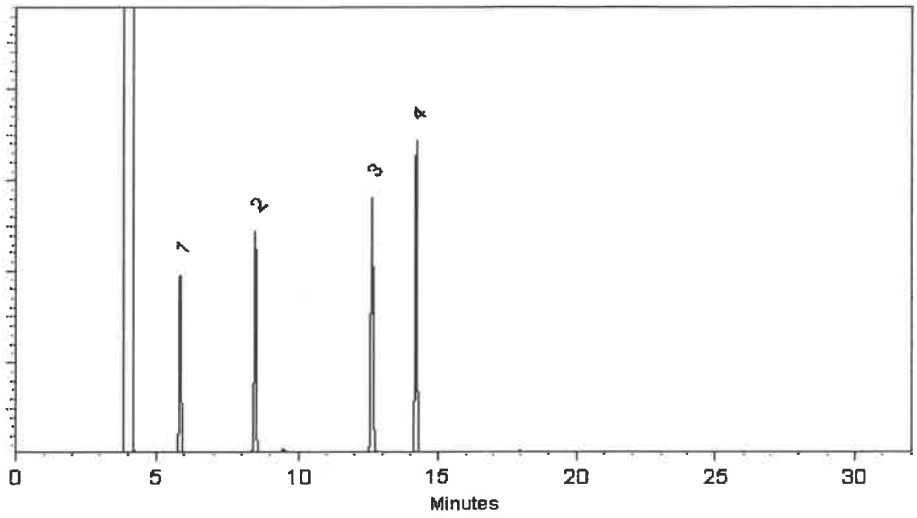
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

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V14697-to-14726

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

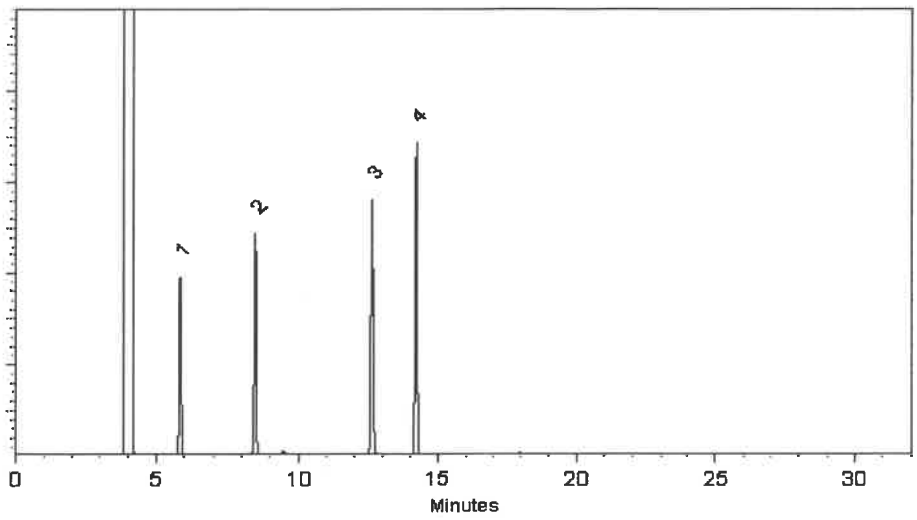
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

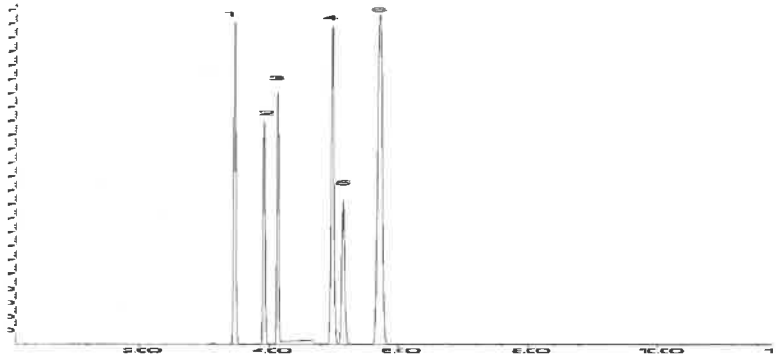
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.

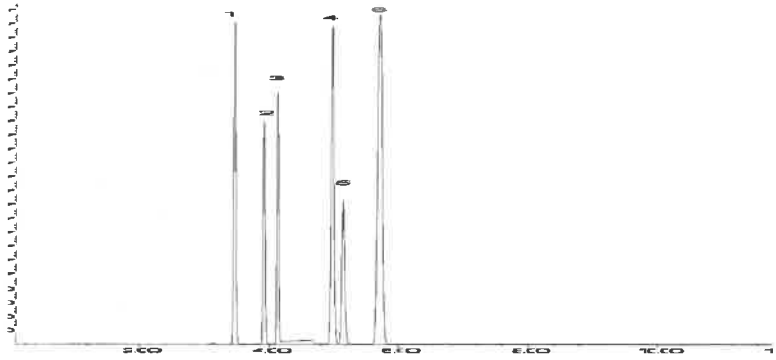
Inj. Temp:
200°C

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.)

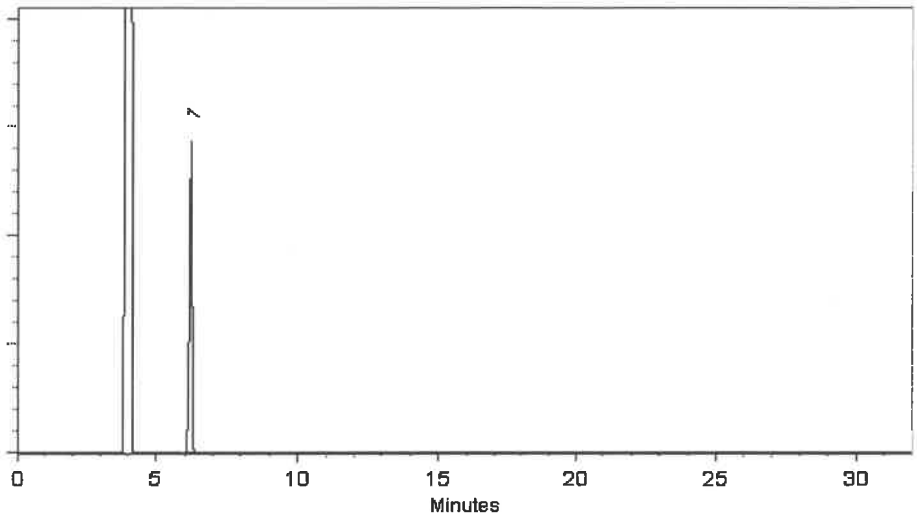
Inj. Temp:
200°C

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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Verify 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.)

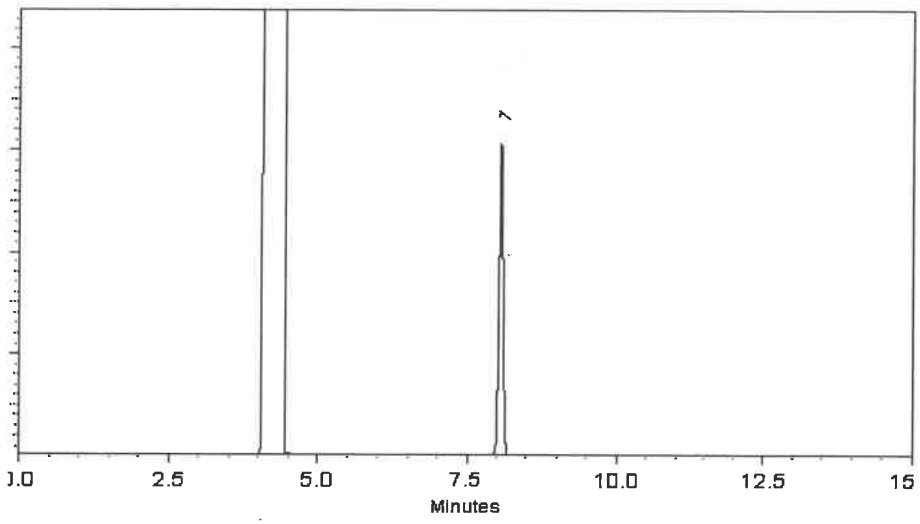
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Verify Rec 01/08/21

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.)

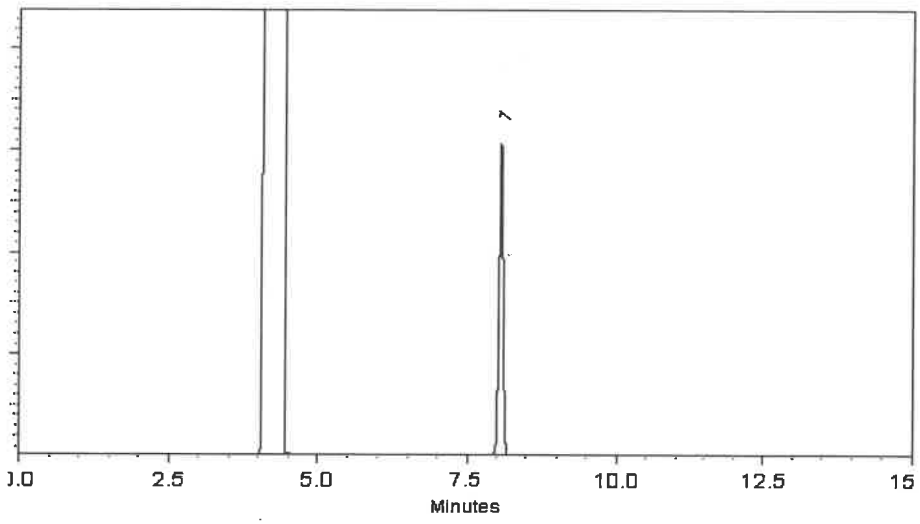
Inj. Temp:
200°C

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.

10 vial Rec 01/08/25

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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

V14793 to 14802

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-FL **Lot No.:** A0220563

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%	8,060.0 µg/mL	+/- 278.5905

* 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.)

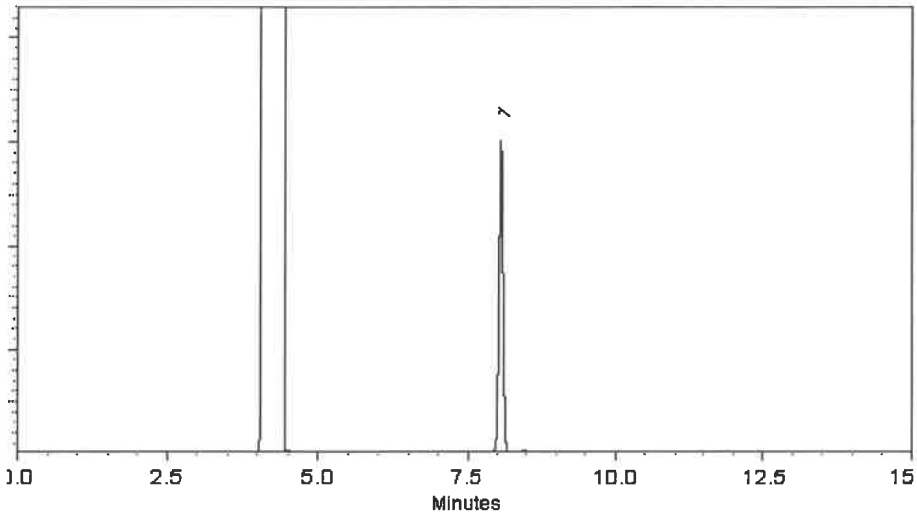
Inj. Temp:
200°C

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.

Tom Suckal - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 70046
Lot Number: 070122
Description: Bromochloromethane

Solvent: Methanol **Lot#** EC592-US

Expiration Date: 070127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

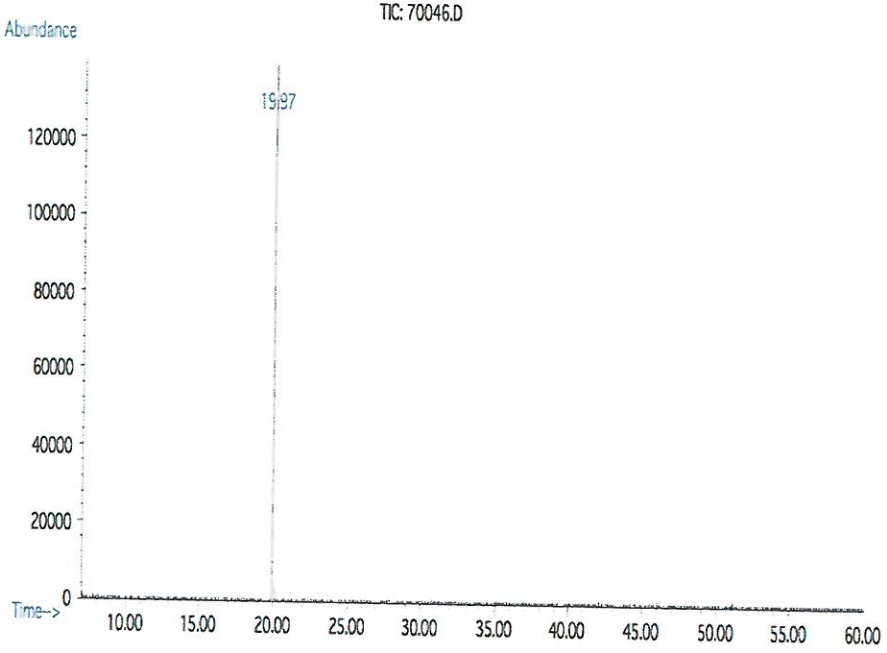
Weight(s) shown below were combined and diluted to (mL): 25.0

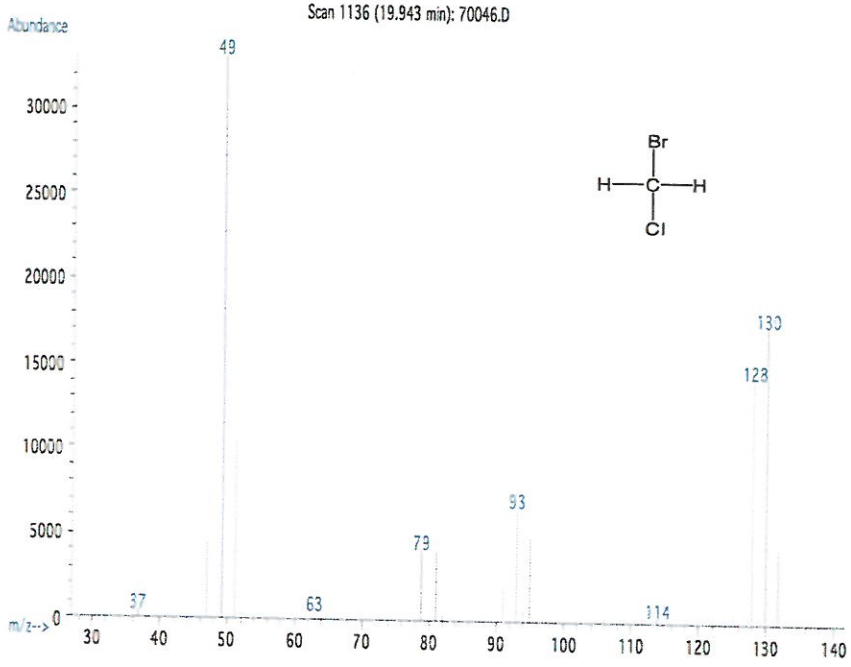
5E-05 Balance Uncertainty
0.0002 Flask Uncertainty

Formulated By:	Gabriel Helland	070122 DATE
Reviewed By:	Pedro L. Rentas	070122 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. Bromochloromethane	46	AY01	1000	99	0.2	0.02530	0.02540	1004.1	5.7	74-97-5	200 ppm (1050mg/m3/8H)	orl-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 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).

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMdadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1984-01	40.27-34.98=5.29	12:01	40.65-35.24=5.41	12:02	38.76-33.64=5.12	12:03	V14143	05/15/2025	8260 TERRACORE SAMPLES
2	Q1984-03	40.67-35.02=5.65	12:03	39.90-35.07=4.83	12:04	38.72-33.70=5.02	12:06	V14143	05/15/2025	
3	Q1984-05	40.90-35.42=5.48	12:07	40.48-35.20=5.28	12:08	38.88-33.73=5.15	12:09	V14143	05/15/2025	
4	Q1984-07	37.96-35.11=2.85	12:10	38.12-35.19=2.93	12:10	37.48-33.49=3.99	12:11	V14143	05/15/2025	
5	Q1984-09	37.64-35.04=2.6	12:13	38.24-35.26=2.98	12:13	35.11-33.38=1.73	12:14	V14143	05/15/2025	
6	Q1984-11	37.95-35.20=2.75	12:15	39.08-35.35=3.73	12:17	36.85-33.25=3.6	12:17	V14143	05/15/2025	
7	Q1984-13	36.73-33.15=3.58	12:18	36.58-33.16=3.42	12:19	34.36-30.77=3.59	12:20	V14143	05/15/2025	
8	Q1984-15	39.72-35.30=4.42	12:21	38.92-35.27=3.65	12:22	36.50-33.36=3.14	12:23	V14143	05/15/2025	
9	Q1984-19	5.00-0=5	12:24	5.00-0=5	12:49	5.00-0=5	12:50	V14143	05/15/2025	5ml water in 40ml vial

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Q1984

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	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 Deliverables
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-PCS-TC-33-050725	5/7/25	0950	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-34-050725	5/7/25	1000	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-35-050725	5/7/25	1015	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-24-050725	5/7/25	1130	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-25-050725	5/7/25	1135	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-26-050725	5/7/25	1140	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-27-050725	5/7/25	1145	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-28-050725	5/7/25	1150	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TB01-050725 ↓		0800	—	—		3						X								

[2] Preservation Code

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: 5/7/25 1430	Client Comments:
Received by: (signature)	Date/Time: 5-8-25 0930	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

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:
1.9°C
Adjust Factor +1
IR Gun #1

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1984 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 5/8/2025 10:48:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 5/8/2025 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1984-01	OU4-PCS-TC-33-050725	Solid	05/07/2025	09:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-03	OU4-PCS-TC-34-050725	Solid	05/07/2025	10:00					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-05	OU4-PCS-TC-35-050725	Solid	05/07/2025	10:15					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-07	OU4-TS-24-050725	Solid	05/07/2025	11:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-09	OU4-TS-25-050725	Solid	05/07/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-11	OU4-TS-26-050725	Solid	05/07/2025	11:40					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-13	OU4-TS-27-050725	Solid	05/07/2025	11:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-15	OU4-TS-28-050725	Solid	05/07/2025	11:50					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1984 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 5/8/2025 10:48:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 5/8/2025 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group3		8260D	10 Bus. Days		
Q1984-19	OU4-TB01-050725	Water	05/07/2025	08:00						
					VOCMS Group3		~~8260 Low~~ 8260D	10 Bus. Days		

Relinquished By :
Date / Time : 5/8/25 1150

Received By : JC
Date / Time : 5/8/25 1150
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	276170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	174003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	15118	5.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.020%#			
35) Dibromofluoromethane	7.634	113	13854	4.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.860%#			
50) Toluene-d8	10.109	98	57575	5.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 10.020%#			
62) 4-Bromofluorobenzene	12.408	95	18328	5.028	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 10.060%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	15071	5.230	ug/l	96
3) Chloromethane	2.068	50	33477	5.523	ug/l	100
4) Vinyl Chloride	2.208	62	34943	5.159	ug/l	96
5) Bromomethane	2.598	94	30561	5.543	ug/l	99
6) Chloroethane	2.739	64	20741	4.923	ug/l	97
7) Trichlorofluoromethane	3.056	101	34641	5.052	ug/l	98
8) Diethyl Ether	3.458	74	8435	5.126	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	15124	5.081	ug/l	95
10) Methyl Iodide	4.013	142	15449	4.484	ug/l	99
11) Tert butyl alcohol	4.879	59	6159	26.722	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	15064	5.099	ug/l	93
13) Acrolein	3.653	56	9366	27.796	ug/l	94
14) Allyl chloride	4.385	41	24537	4.737	ug/l	94
15) Acrylonitrile	5.061	53	17036	25.125	ug/l	100
16) Acetone	3.879	43	17340	30.639	ug/l	91
17) Carbon Disulfide	4.110	76	48817	5.068	ug/l	99
18) Methyl Acetate	4.391	43	7769	4.511	ug/l #	76
19) Methyl tert-butyl Ether	5.128	73	40392	4.959	ug/l	97
20) Methylene Chloride	4.610	84	22002	6.016	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	15943	4.889	ug/l	85
22) Diisopropyl ether	6.025	45	53760	4.915	ug/l	97
23) Vinyl Acetate	5.964	43	167594	25.361	ug/l	96
24) 1,1-Dichloroethane	5.921	63	30712	5.026	ug/l	97
25) 2-Butanone	6.903	43	24805	26.203	ug/l	91
26) 2,2-Dichloropropane	6.884	77	27440	5.048	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	18276	4.857	ug/l	98
28) Bromochloromethane	7.250	49	12774	4.901	ug/l	98
29) Tetrahydrofuran	7.268	42	14502	23.811	ug/l	93
30) Chloroform	7.421	83	28505	4.863	ug/l	94
31) Cyclohexane	7.701	56	35904	5.880	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	27801	5.170	ug/l	96
36) 1,1-Dichloropropene	7.841	75	22314	4.824	ug/l	97
37) Ethyl Acetate	6.994	43	11910	5.352	ug/l	96
38) Carbon Tetrachloride	7.823	117	22826	4.768	ug/l	98
39) Methylcyclohexane	9.109	83	31218	5.024	ug/l	98
40) Benzene	8.085	78	64430	4.699	ug/l	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.274	41	16995	10.436	ug/l	#	43
42) 1,2-Dichloroethane	8.158	62	17934	4.837	ug/l		97
43) Isopropyl Acetate	8.201	43	23979	4.941	ug/l		99
44) Trichloroethene	8.872	130	16852	4.943	ug/l		95
45) 1,2-Dichloropropane	9.146	63	15855	4.796	ug/l		95
46) Dibromomethane	9.238	93	8879	4.980	ug/l		92
47) Bromodichloromethane	9.427	83	21906	4.736	ug/l	#	95
48) Methyl methacrylate	9.225	41	10729	4.727	ug/l		98
49) 1,4-Dioxane	9.244	88	1962	97.404	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.000	43	55880	23.464	ug/l		97
52) Toluene	10.170	92	41001	4.722	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	21842	4.839	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	24609	4.758	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	11333	4.964	ug/l	#	89
56) Ethyl methacrylate	10.438	69	17420	4.898	ug/l		98
57) 1,3-Dichloropropane	10.725	76	19684	4.852	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	33215	20.807	ug/l		100
59) 2-Hexanone	10.762	43	39307	24.617	ug/l		100
60) Dibromochloromethane	10.914	129	13908	4.693	ug/l		98
61) 1,2-Dibromoethane	11.018	107	10391	4.883	ug/l		94
64) Tetrachloroethene	10.652	164	18255	5.125	ug/l		96
65) Chlorobenzene	11.444	112	42844	4.927	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	14385	4.812	ug/l		99
67) Ethyl Benzene	11.524	91	77606	4.766	ug/l		99
68) m/p-Xylenes	11.633	106	57721	9.407	ug/l		99
69) o-Xylene	11.957	106	27130	4.673	ug/l		99
70) Styrene	11.975	104	45556	4.652	ug/l		99
71) Bromoform	12.133	173	7799	4.834	ug/l	#	94
73) Isopropylbenzene	12.255	105	72325	5.017	ug/l		98
74) N-amyl acetate	12.072	43	20793	5.043	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	11422	5.152	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	17315	5.646	ug/l	#	100
77) Bromobenzene	12.536	156	15441	5.015	ug/l		97
78) n-propylbenzene	12.597	91	87533	5.034	ug/l		98
79) 2-Chlorotoluene	12.682	91	47245	4.944	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	59031	5.073	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	4676	5.373	ug/l		97
82) 4-Chlorotoluene	12.780	91	48737	4.959	ug/l		98
83) tert-Butylbenzene	12.999	119	52841	5.109	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	55488	4.804	ug/l		97
85) sec-Butylbenzene	13.176	105	76384	4.975	ug/l		97
86) p-Isopropyltoluene	13.292	119	62608	4.849	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	30564	4.863	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	30610	5.063	ug/l		96
89) n-Butylbenzene	13.621	91	59485	4.869	ug/l		99
90) Hexachloroethane	13.883	117	13445	5.158	ug/l		96
91) 1,2-Dichlorobenzene	13.664	146	26556	5.030	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1865	5.217	ug/l		98
93) 1,2,4-Trichlorobenzene	14.926	180	14961	4.906	ug/l		94
94) Hexachlorobutadiene	15.029	225	8887	5.226	ug/l		99
95) Naphthalene	15.151	128	29654	5.124	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	13097	5.063	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

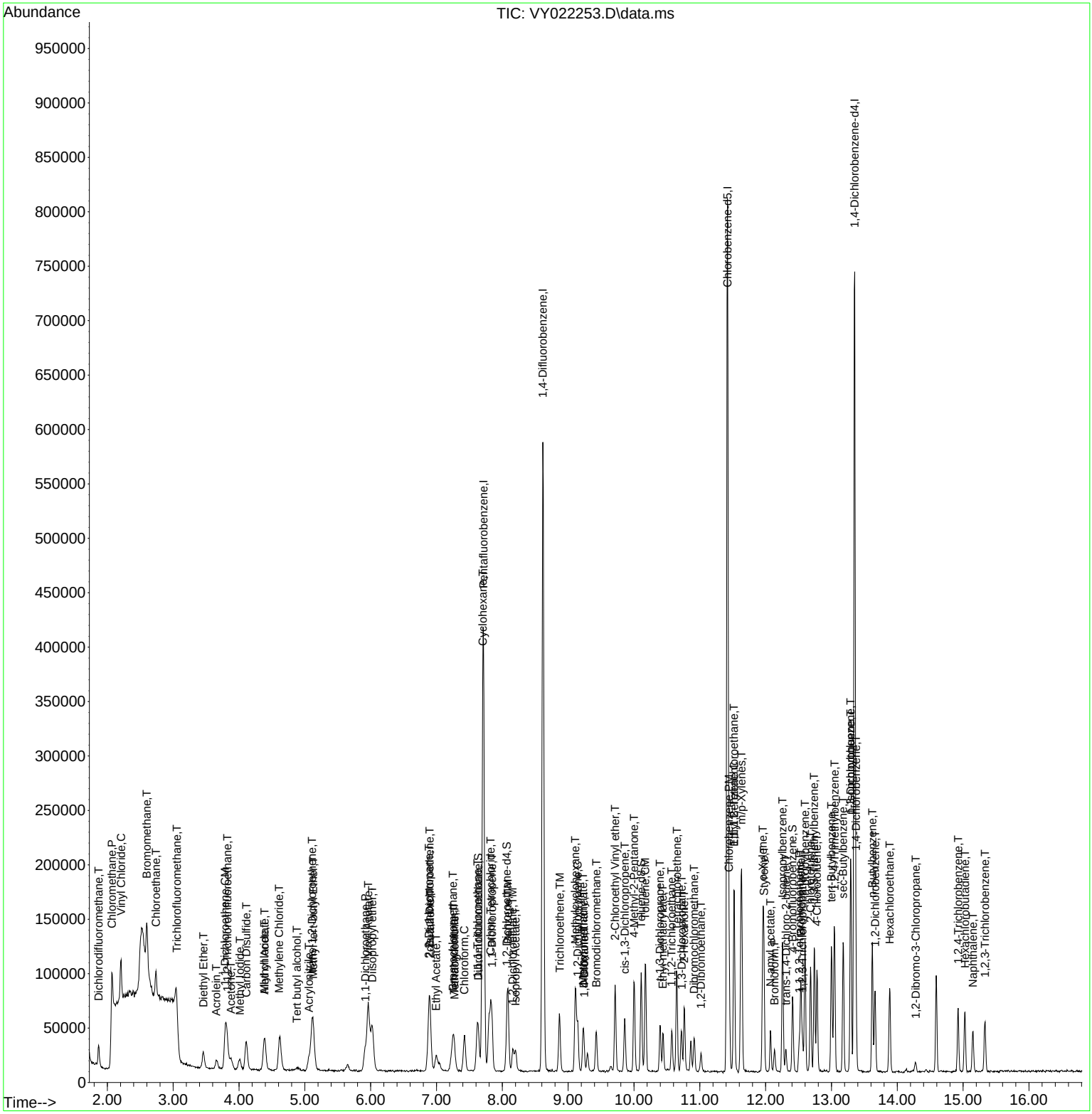
(#) = qualifier out of range (m) = manual integration (+) = signals summed

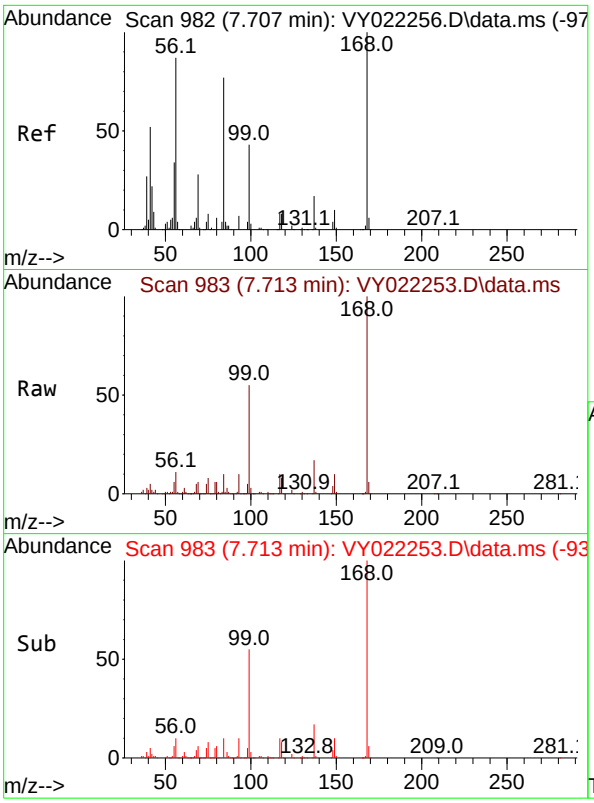
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration



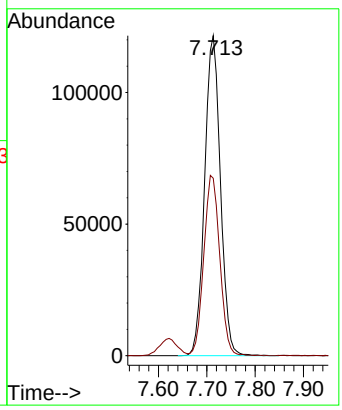


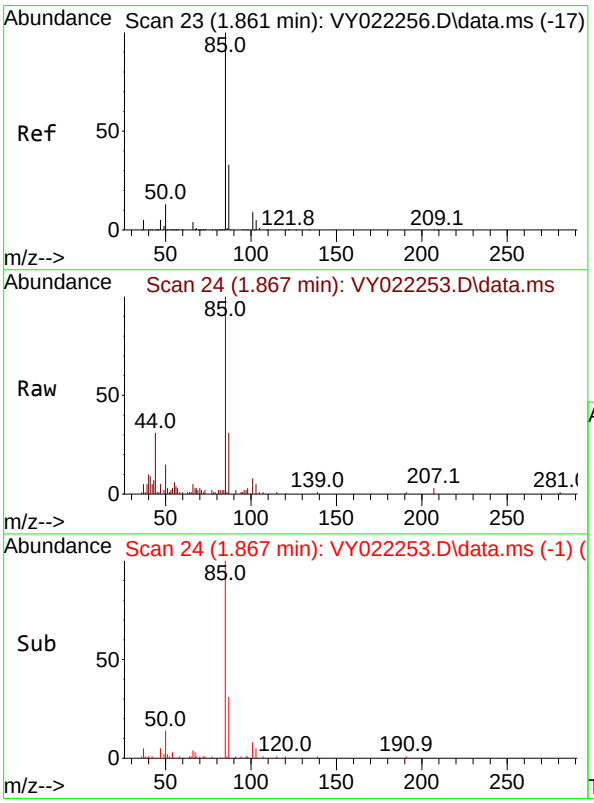
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 276170

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

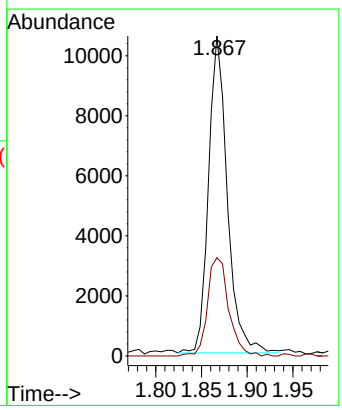


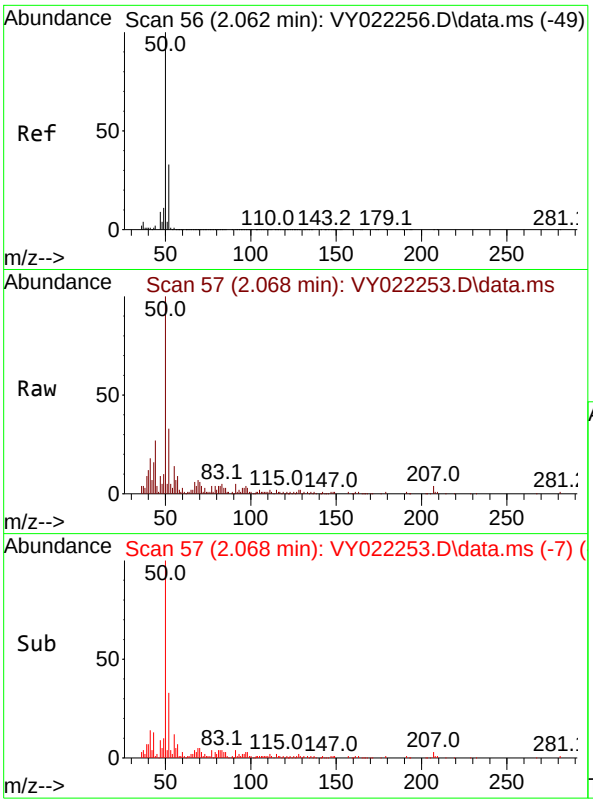


#2
Dichlorodifluoromethane
Concen: 5.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 85 Resp: 15071

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.5	49.5



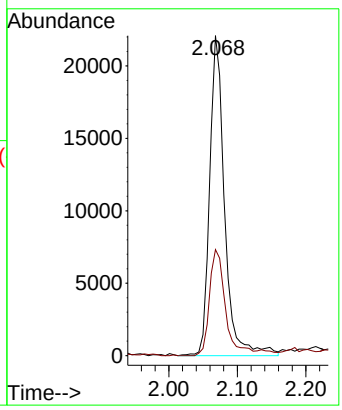


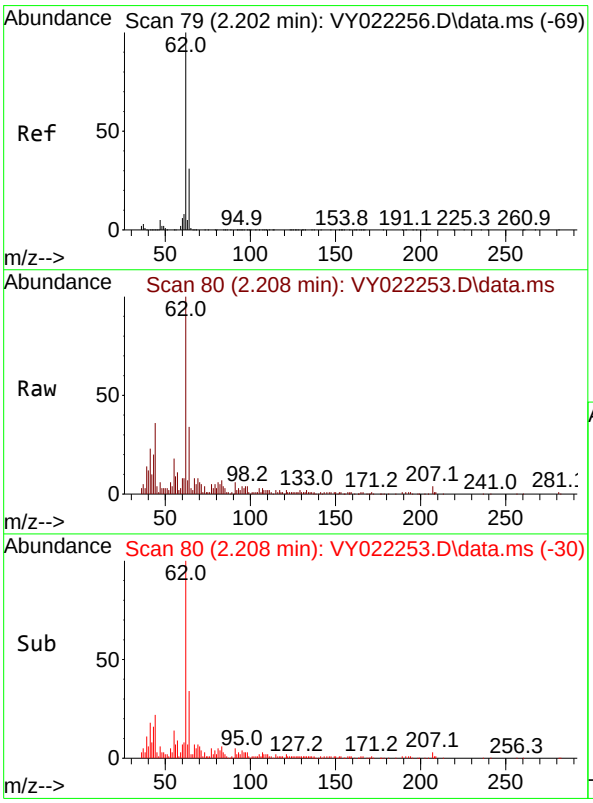
#3
Chloromethane
Concen: 5.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 33477

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7

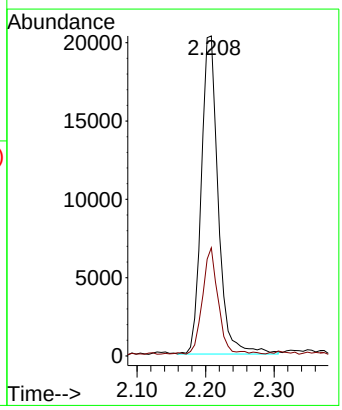


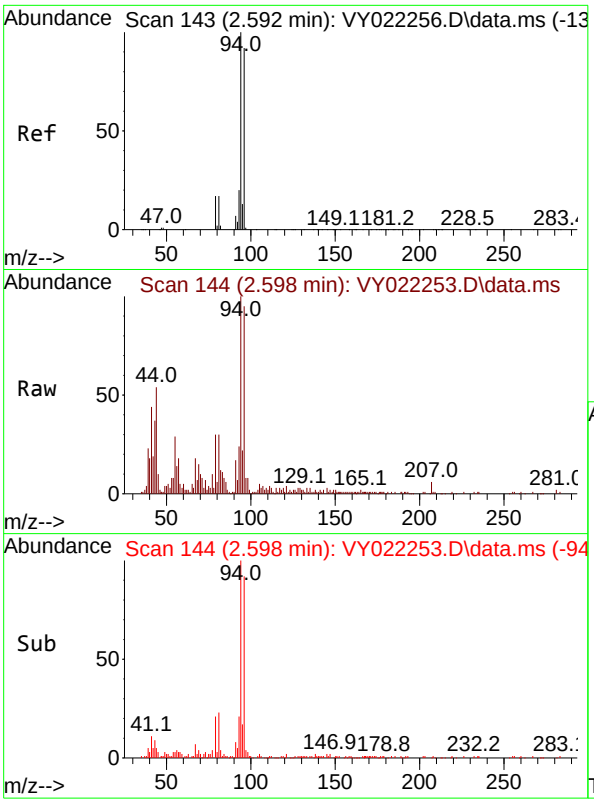


#4
Vinyl Chloride
Concen: 5.159 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 34943

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7



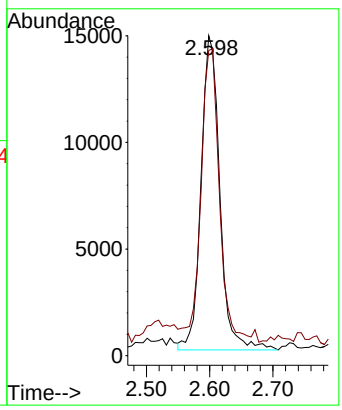


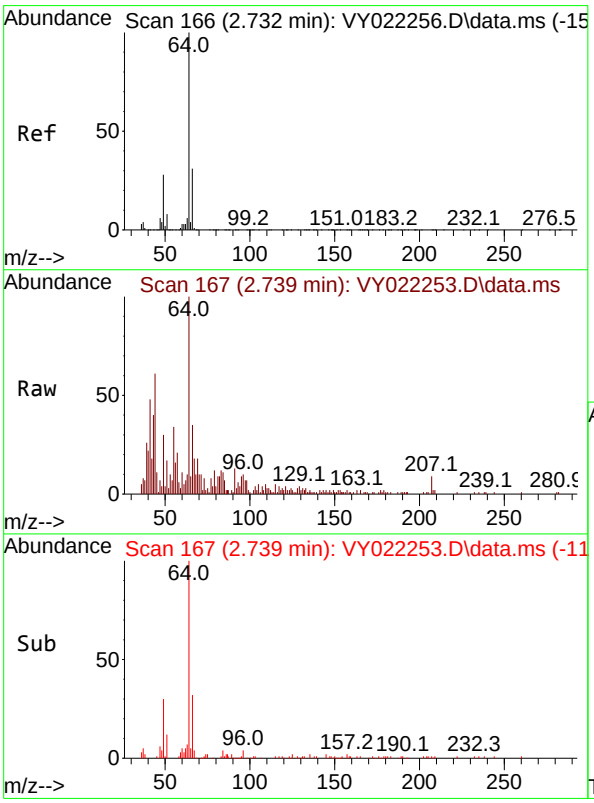
#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 30561

Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.4	110.0

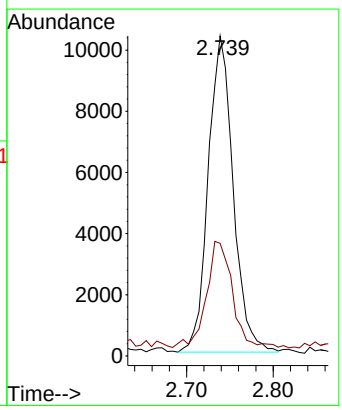


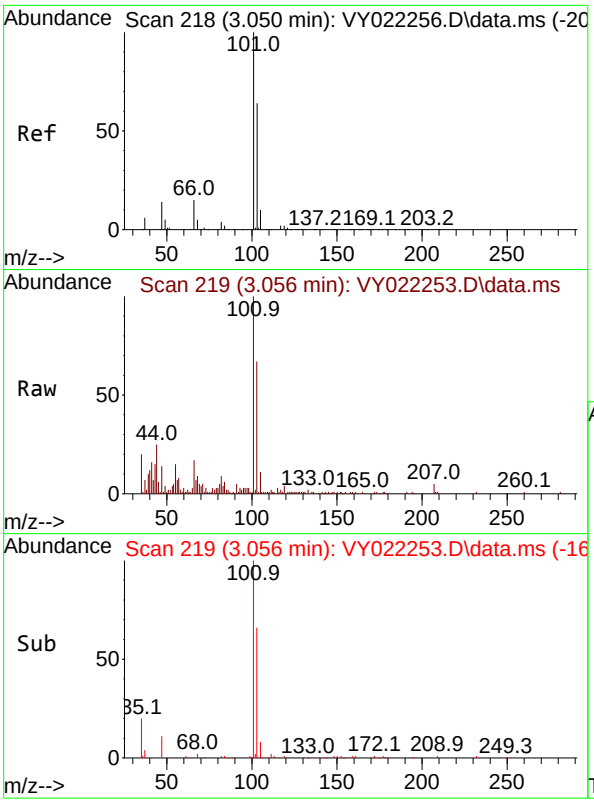


#6
Chloroethane
Concen: 4.923 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 64 Resp: 20741

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.8	37.2



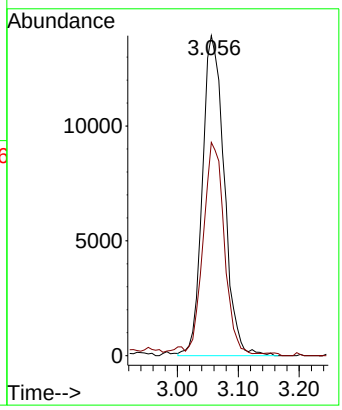


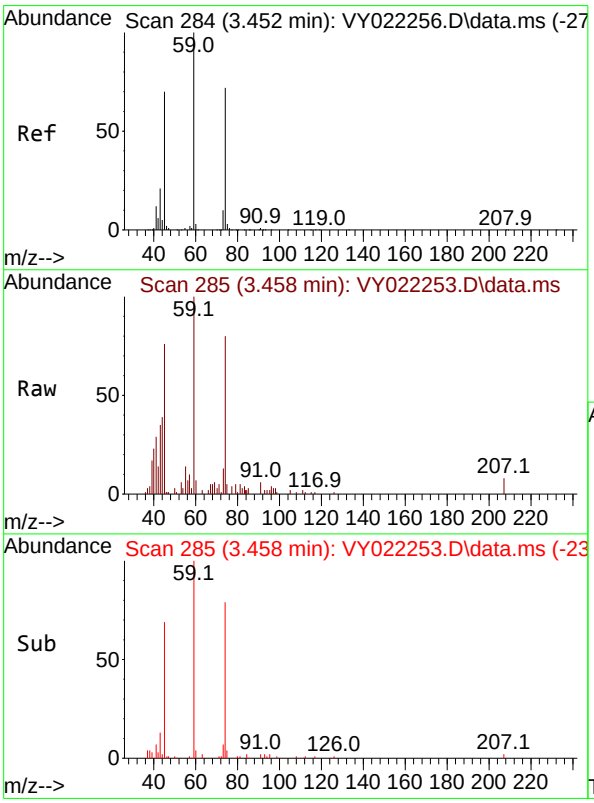
#7
Trichlorofluoromethane
Concen: 5.052 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 34641

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.7	77.5

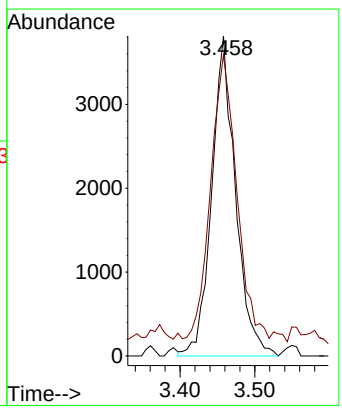


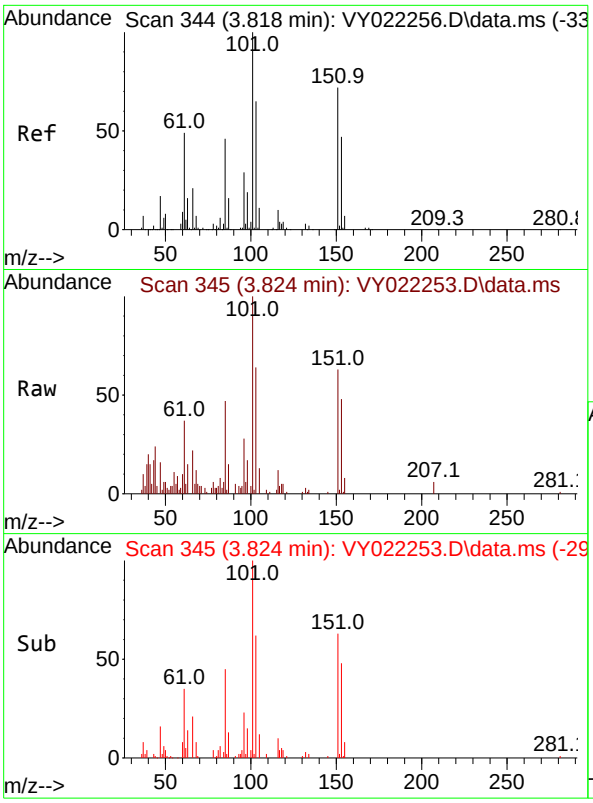


#8
Diethyl Ether
Concen: 5.126 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 74 Resp: 8435

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8



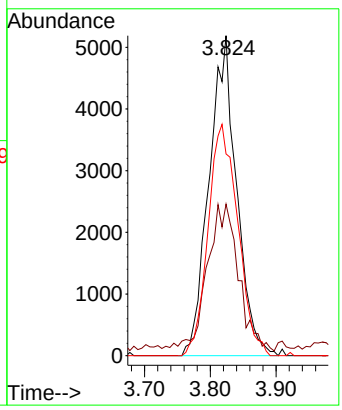


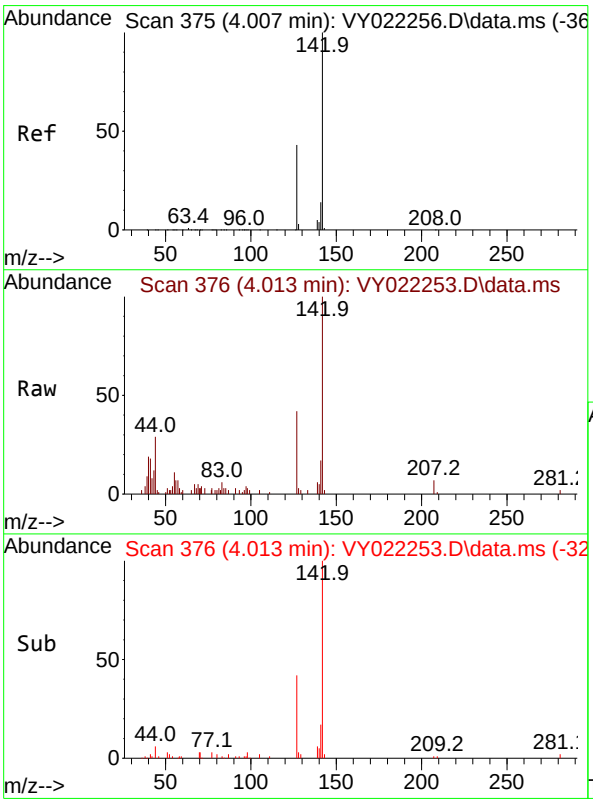
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.081 ug/l
RT: 3.824 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 15124

Ion	Ratio	Lower	Upper
101	100		
85	52.5	38.6	58.0
151	78.0	59.7	89.5

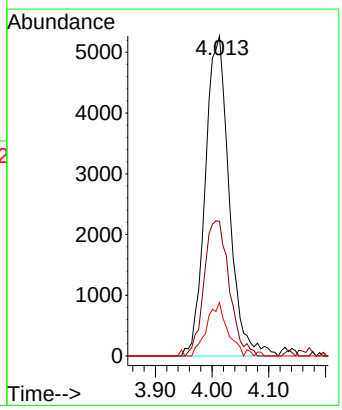


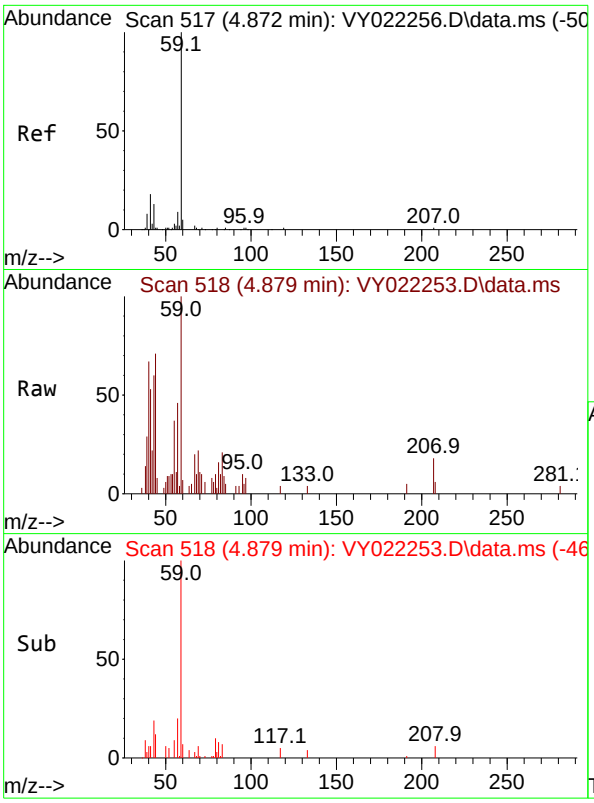


#10
Methyl Iodide
Concen: 4.484 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:142 Resp: 15449

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.7	53.5
141	14.4	11.1	16.7



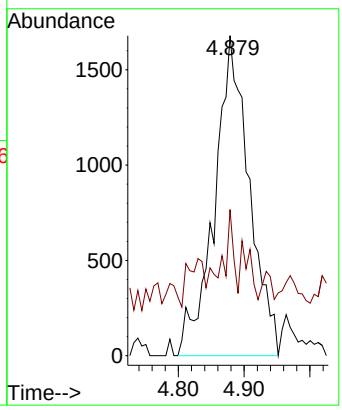


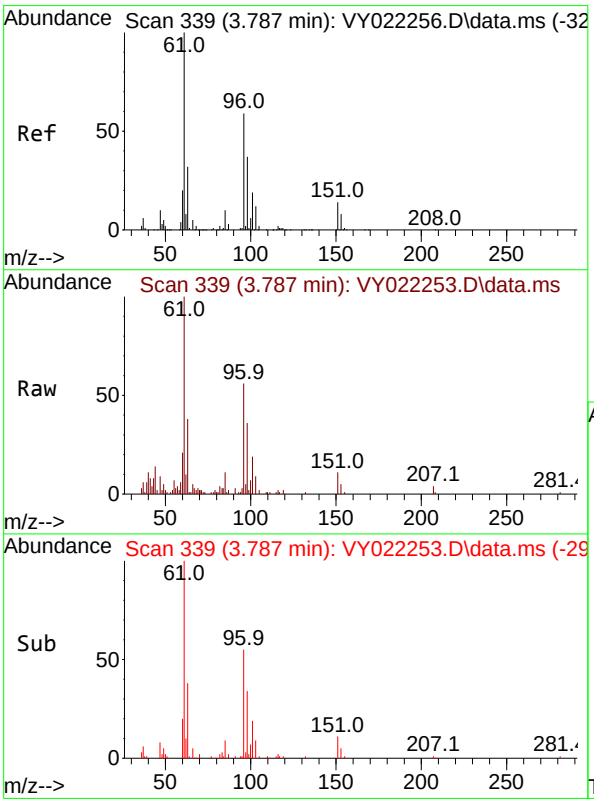
#11
Tert butyl alcohol
Concen: 26.722 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 6159

Ion	Ratio	Lower	Upper
59	100		
57	5.4	0.0	0.0#

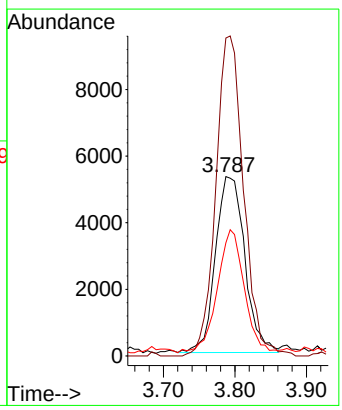


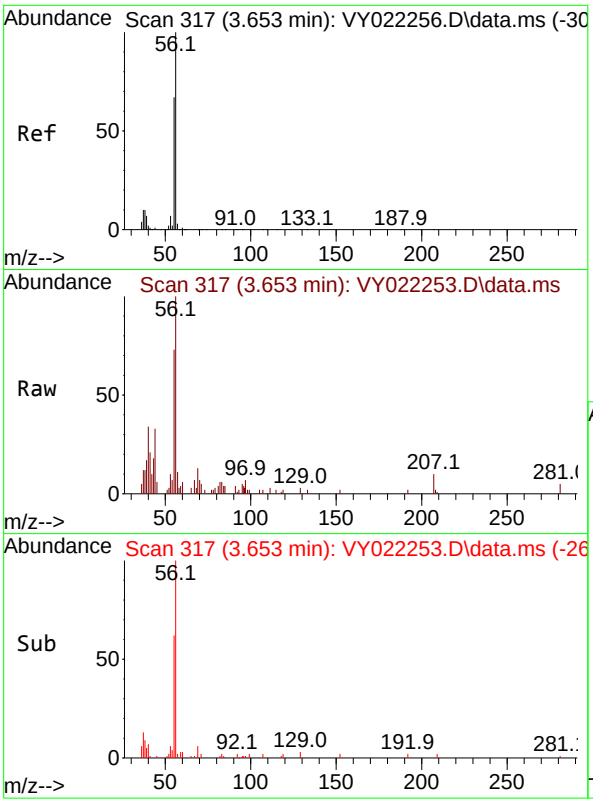


#12
1,1-Dichloroethene
Concen: 5.099 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 96 Resp: 15064

Ion	Ratio	Lower	Upper
96	100		
61	180.8	134.9	202.3
98	62.6	49.9	74.9



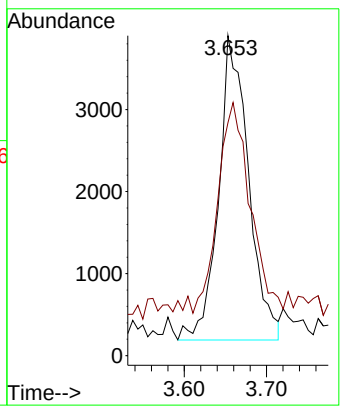


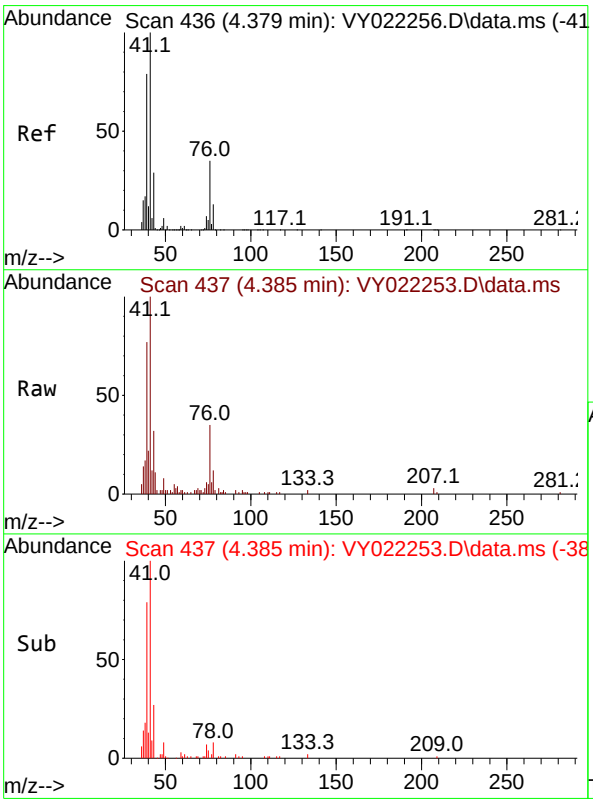
#13
Acrolein
Concen: 27.796 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9366

Ion	Ratio	Lower	Upper
56	100		
55	74.6	55.6	83.4

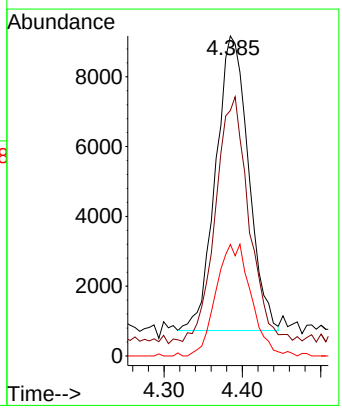


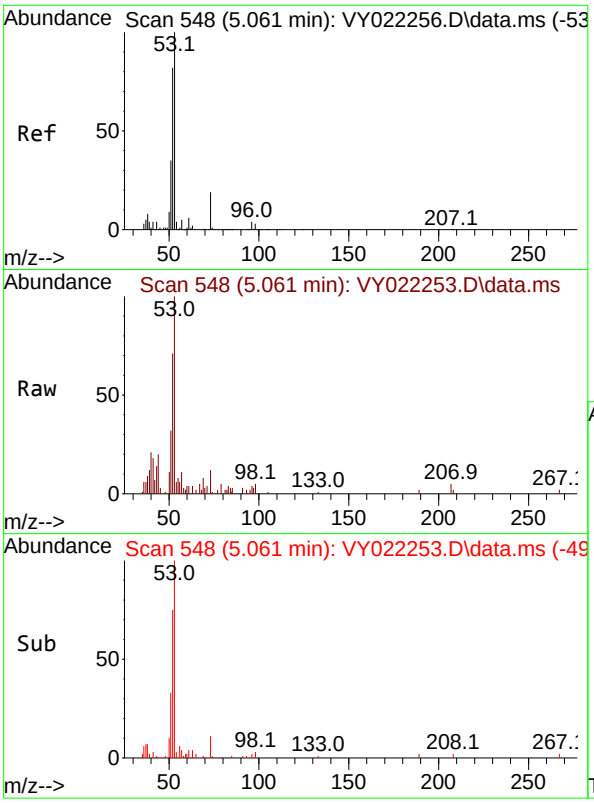


#14
Allyl chloride
Concen: 4.737 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 24537

Ion	Ratio	Lower	Upper
41	100		
39	83.9	63.4	95.0
76	40.5	29.5	44.3



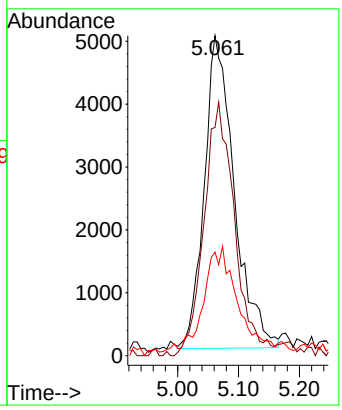


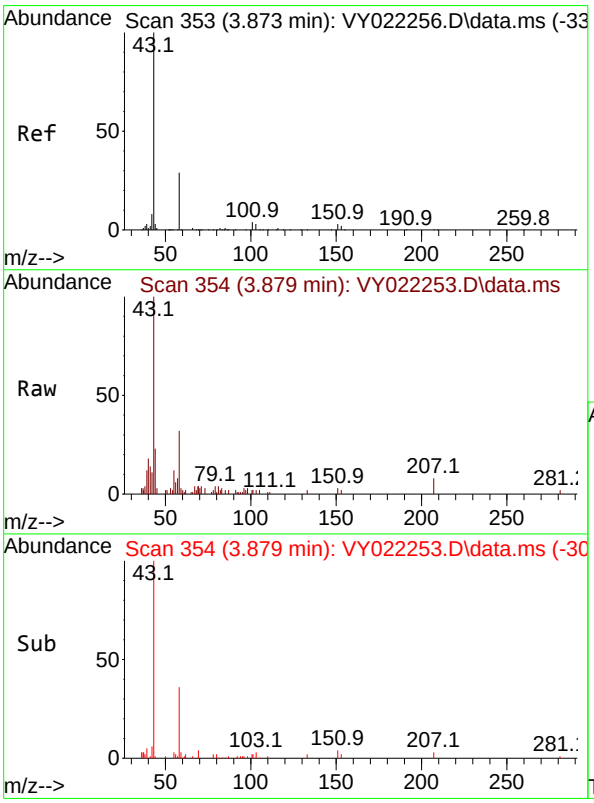
#15
Acrylonitrile
Concen: 25.125 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 17036

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	38.0	30.0	45.0

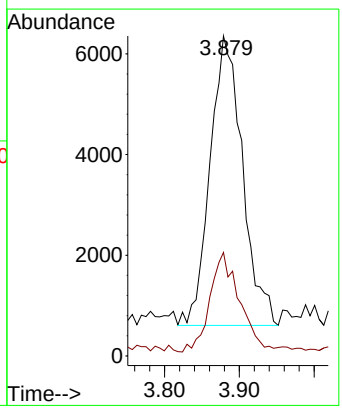


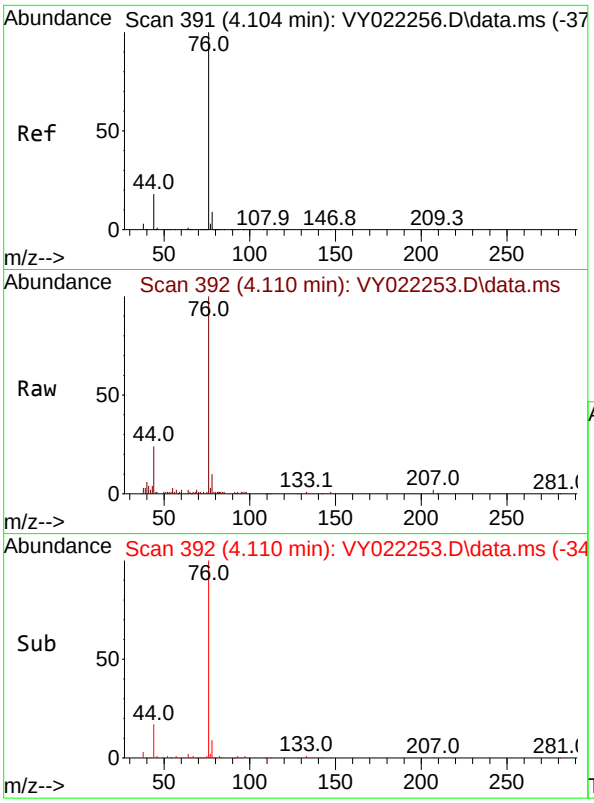


#16
Acetone
Concen: 30.639 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 17340

Ion	Ratio	Lower	Upper
43	100		
58	34.3	23.6	35.4



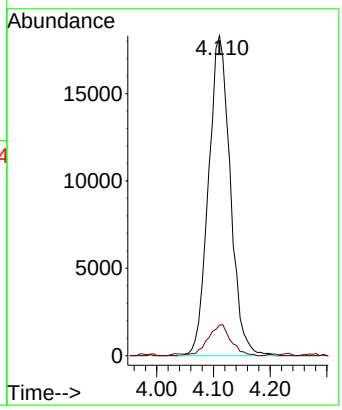


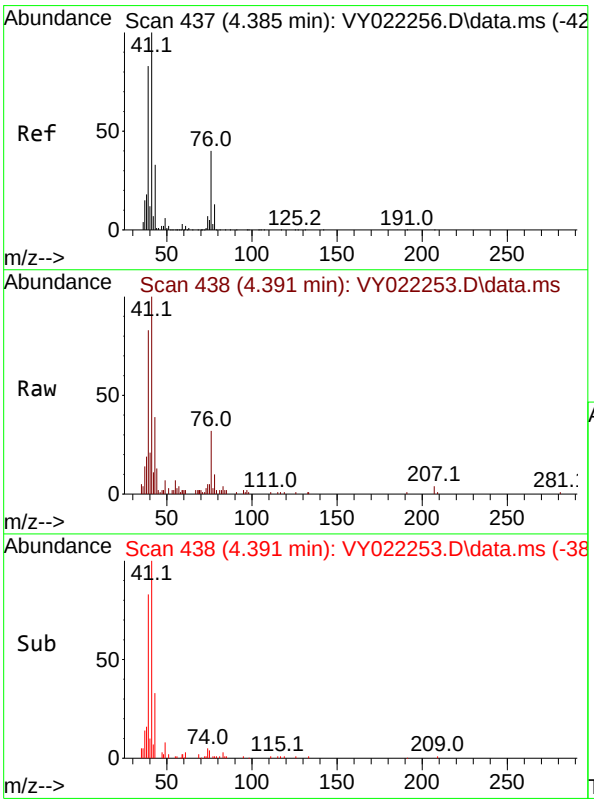
#17
Carbon Disulfide
Concen: 5.068 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 48817

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

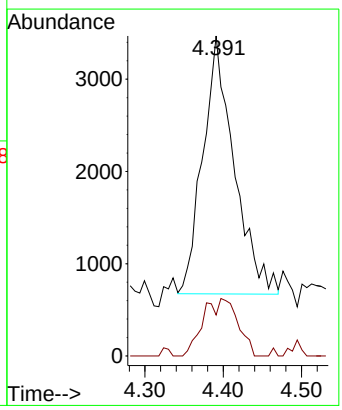


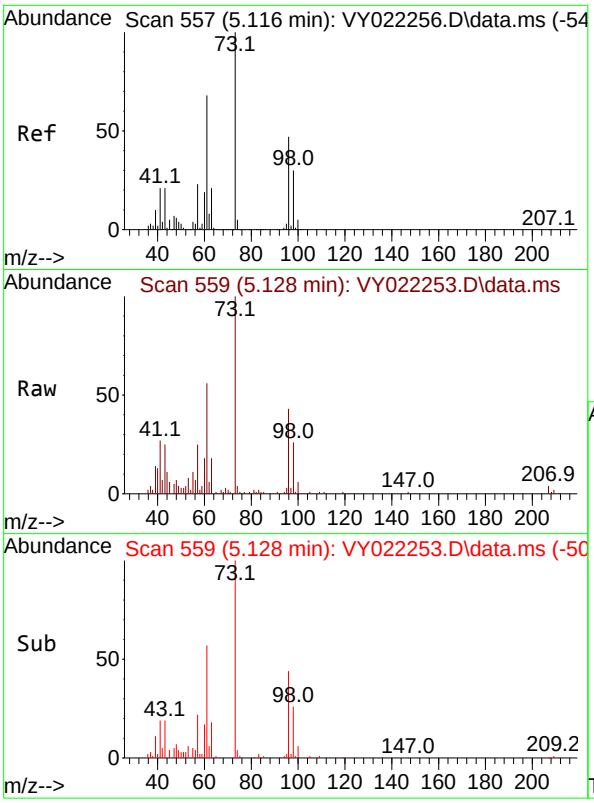


#18
Methyl Acetate
Concen: 4.511 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 7769

Ion	Ratio	Lower	Upper
43	100		
74	11.0	18.2	27.4#



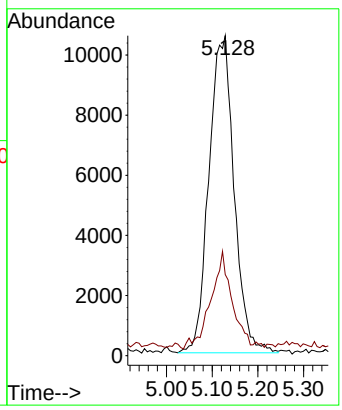


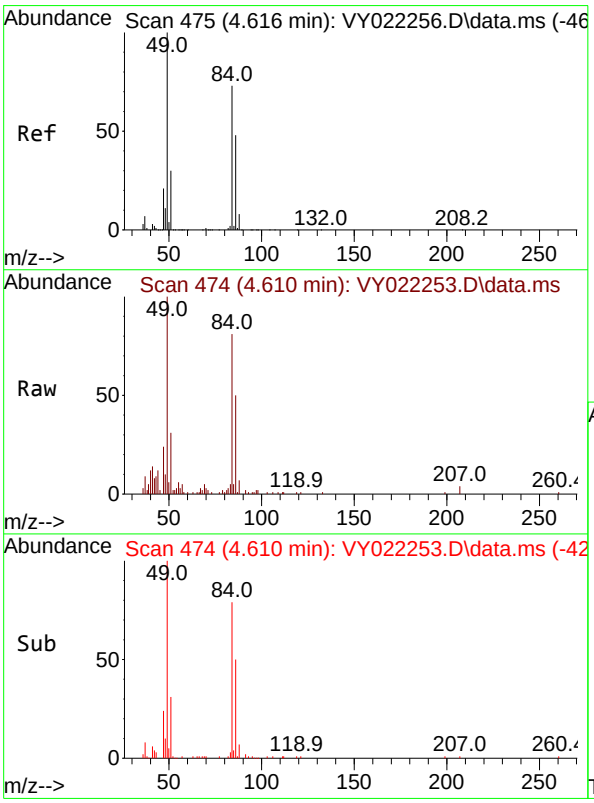
#19
Methyl tert-butyl Ether
Concen: 4.959 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 40392

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.6	28.0

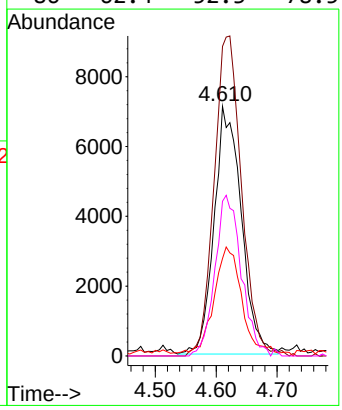


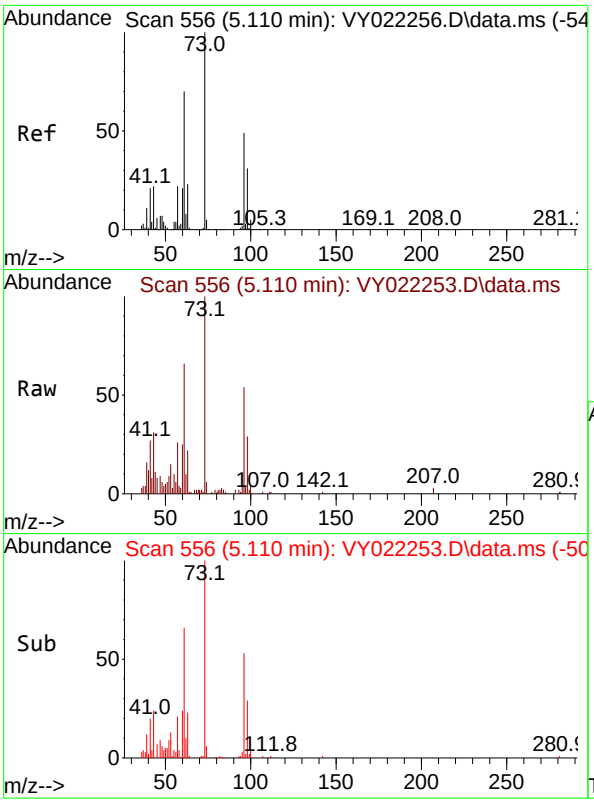


#20
Methylene Chloride
Concen: 6.016 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 84 Resp: 22002

Ion	Ratio	Lower	Upper
84	100		
49	125.0	109.6	164.4
51	38.1	32.4	48.6
86	62.4	52.3	78.5



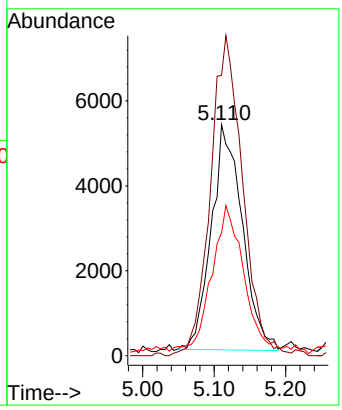


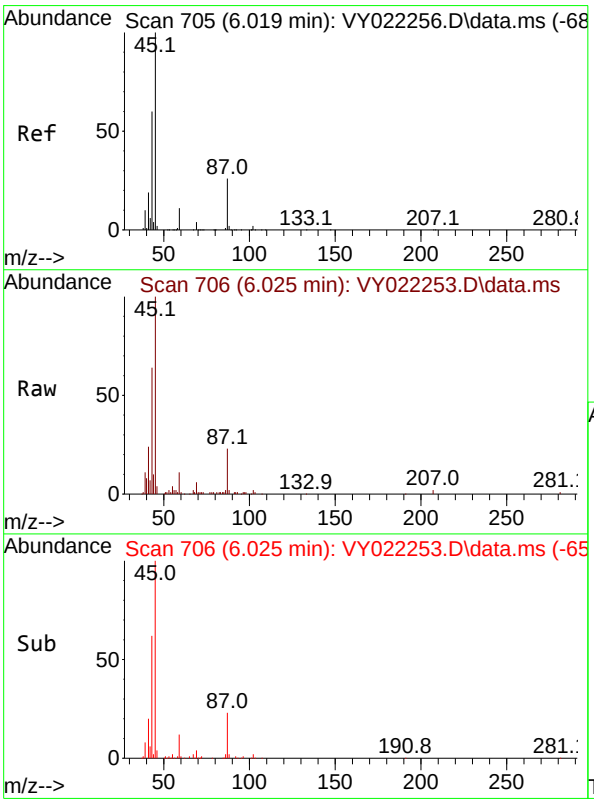
#21
trans-1,2-Dichloroethene
Concen: 4.889 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15943

Ion	Ratio	Lower	Upper
96	100		
61	123.1	113.4	170.0
98	51.2	50.9	76.3

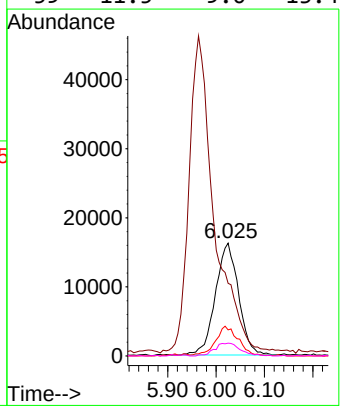


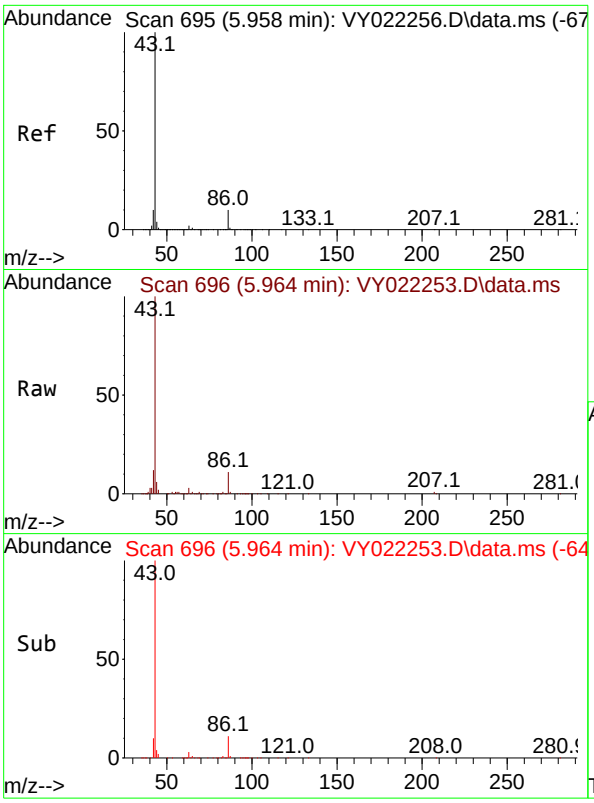


#22
Diisopropyl ether
Concen: 4.915 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 45 Resp: 53760

Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.2	72.2
87	22.4	21.4	32.0
59	11.5	9.0	13.4



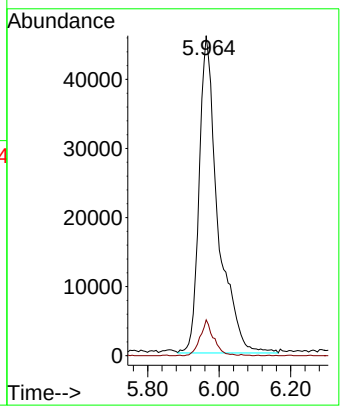


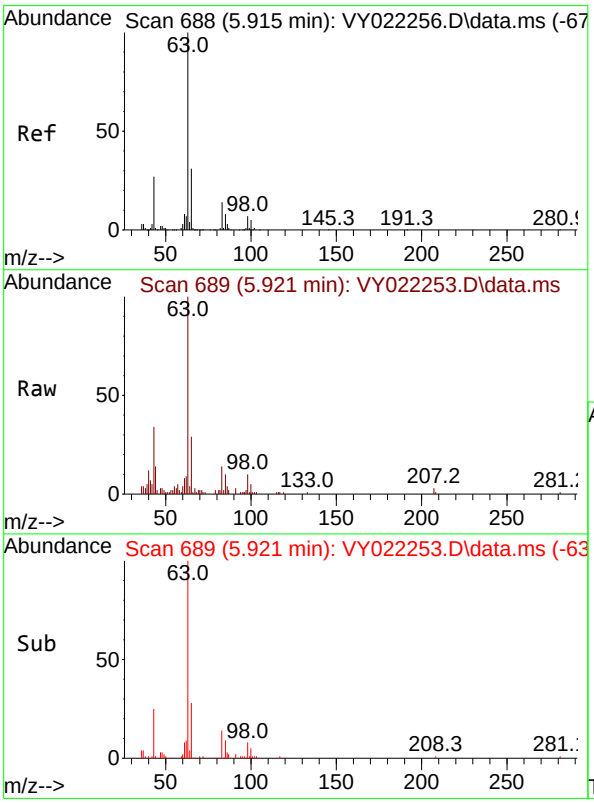
#23
Vinyl Acetate
Concen: 25.361 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 167594

Ion	Ratio	Lower	Upper
43	100		
86	11.3	7.8	11.8

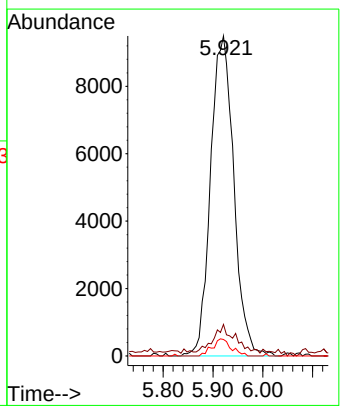


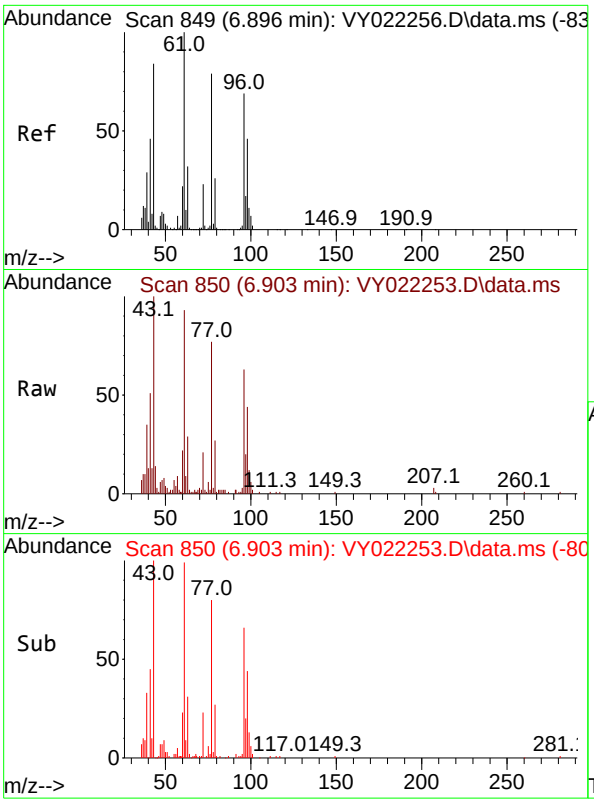


#24
1,1-Dichloroethane
Concen: 5.026 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 30712

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.5
100	5.1	2.4	7.2



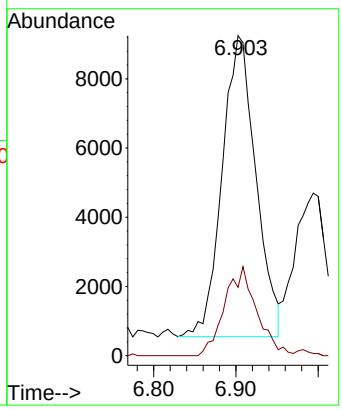


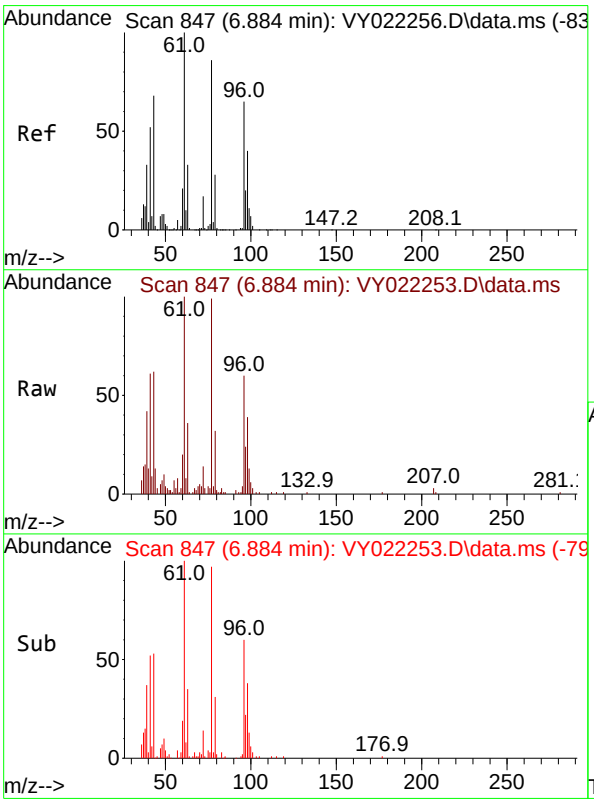
#25
2-Butanone
Concen: 26.203 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 24805

Ion	Ratio	Lower	Upper
43	100		
72	22.7	22.1	33.1

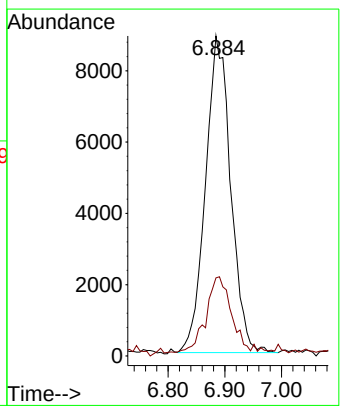


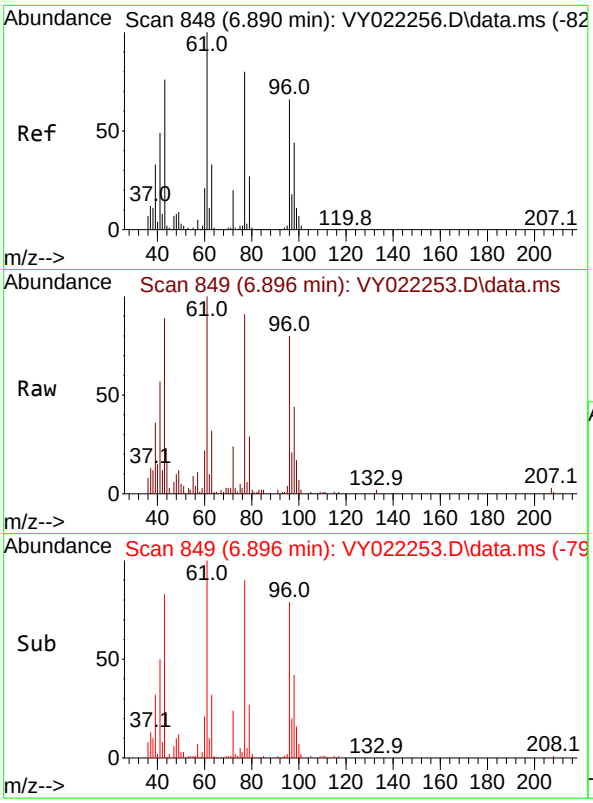


#26
2,2-Dichloropropane
Concen: 5.048 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 77 Resp: 27440

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.2	33.5



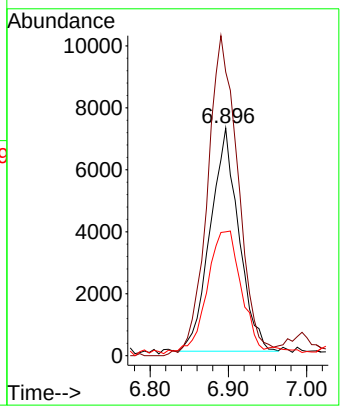


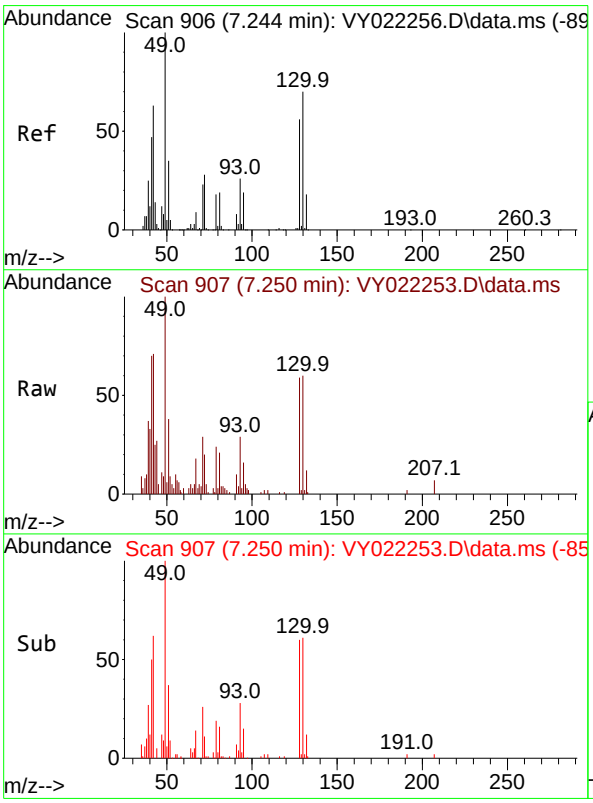
#27
cis-1,2-Dichloroethene
Concen: 4.857 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 18276

Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	302.6
98	66.0	0.0	128.8

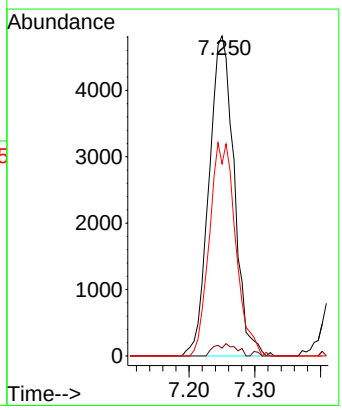


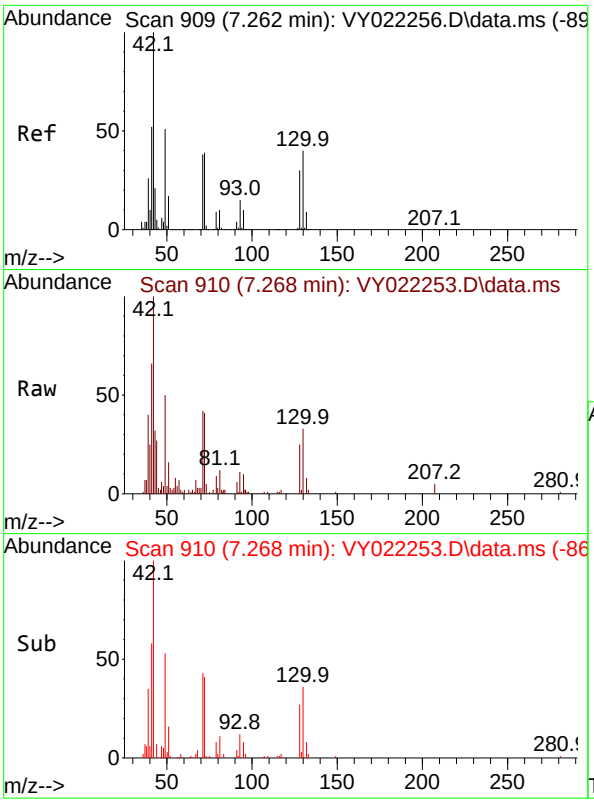


#28
Bromochloromethane
Concen: 4.901 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 49 Resp: 12774

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	69.7	54.7	82.1



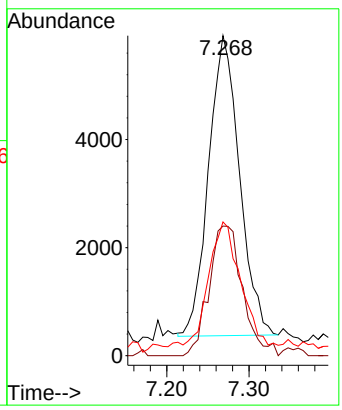


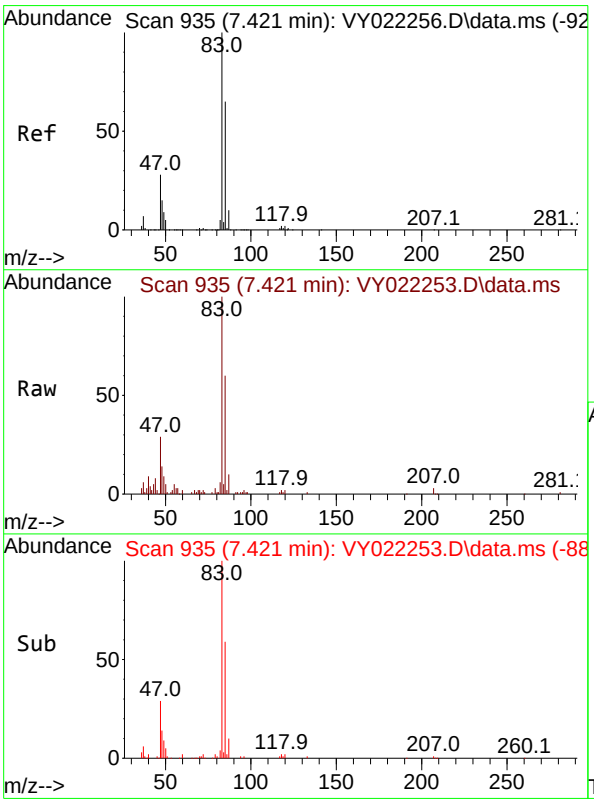
#29
Tetrahydrofuran
Concen: 23.811 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 14502

Ion	Ratio	Lower	Upper
42	100		
72	46.7	33.8	50.6
71	43.0	31.5	47.3

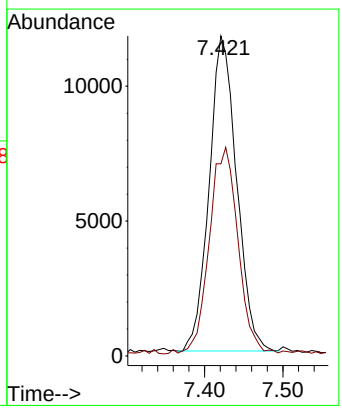


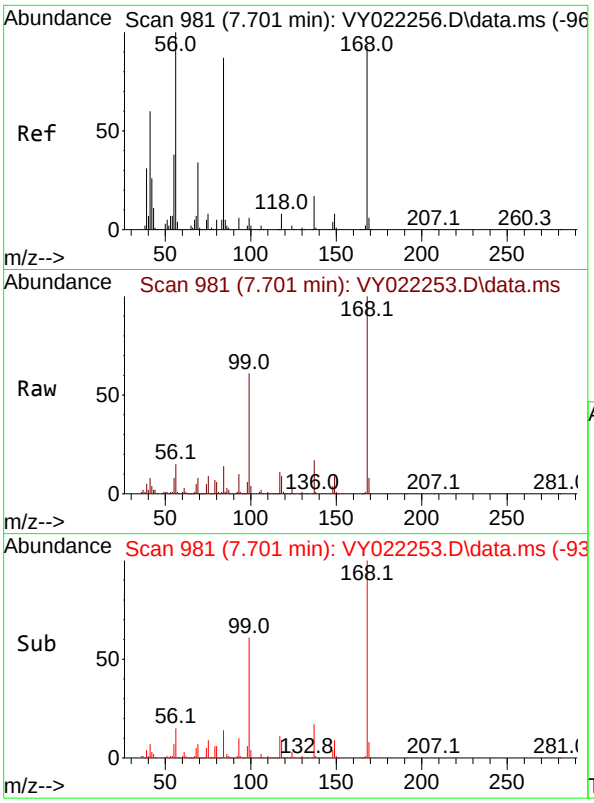


#30
Chloroform
Concen: 4.863 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 28505

Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.8	77.8



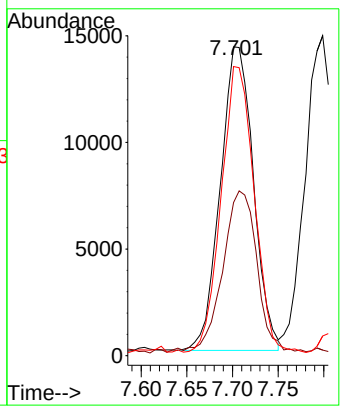


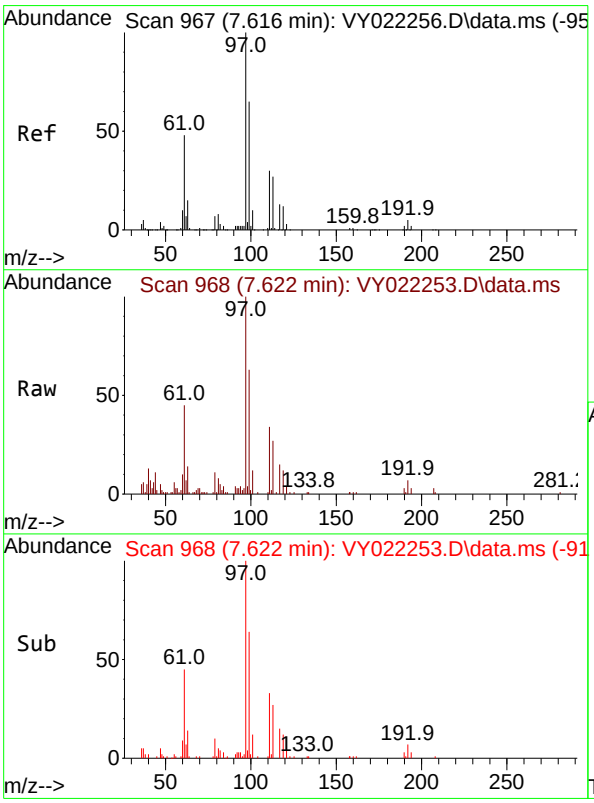
#31
Cyclohexane
Concen: 5.880 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 35904

Ion	Ratio	Lower	Upper
56	100		
69	48.0	27.4	41.2#
84	93.4	70.0	105.0

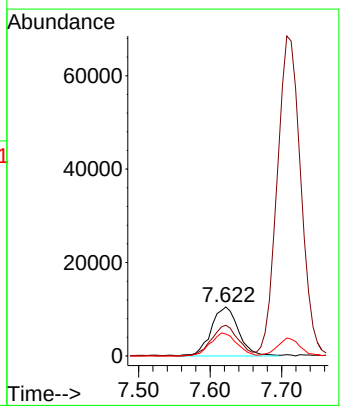


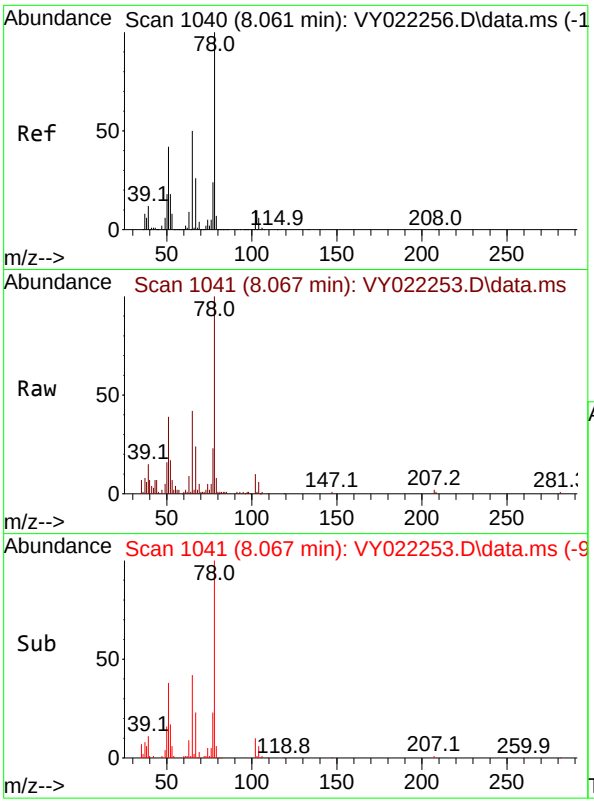


#32
1,1,1-Trichloroethane
Concen: 5.170 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 97 Resp: 27801

Ion	Ratio	Lower	Upper
97	100		
99	60.7	51.4	77.0
61	45.4	38.1	57.1



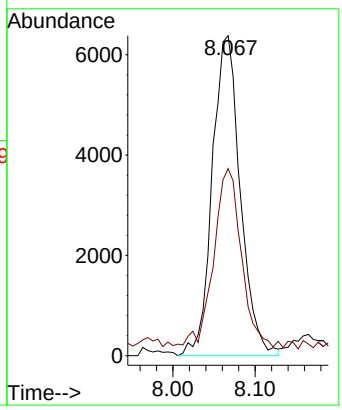


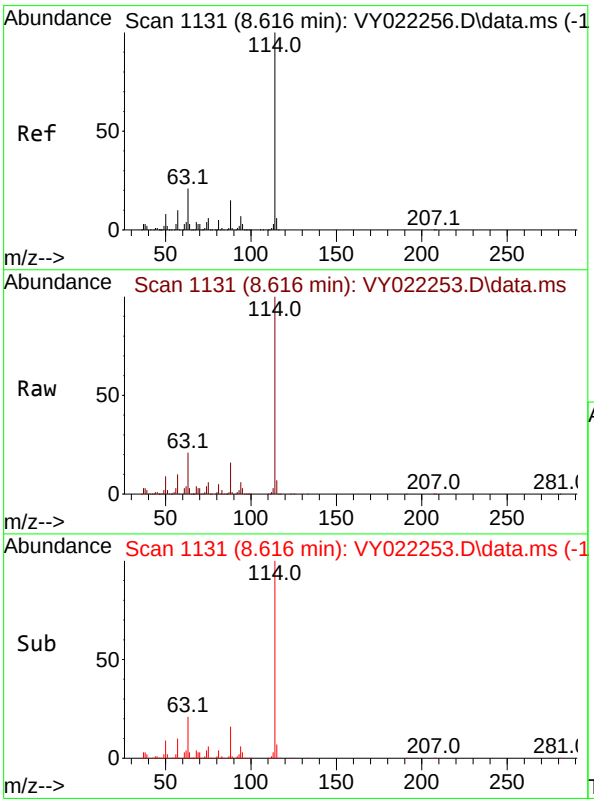
#33
1,2-Dichloroethane-d4
Concen: 5.009 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 15118

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	104.6

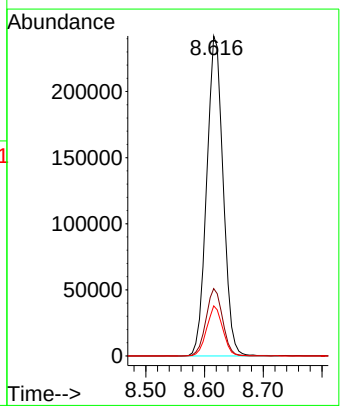


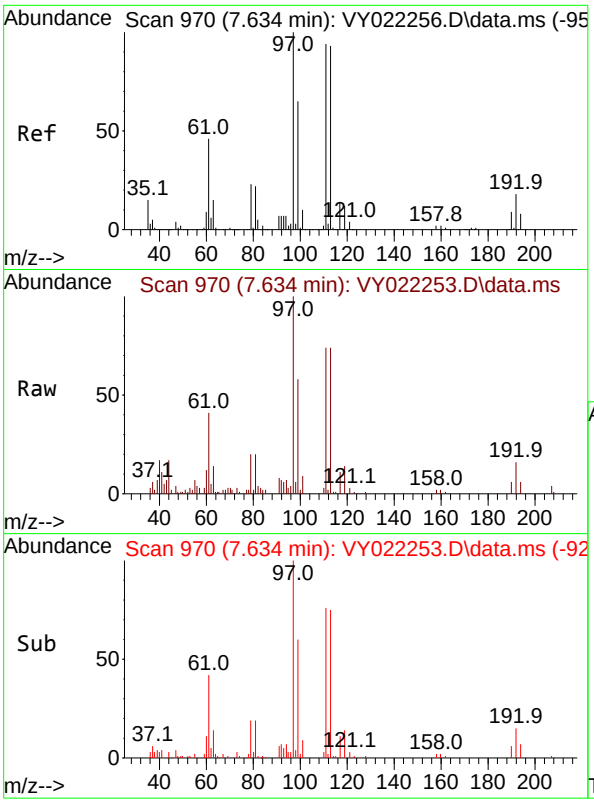


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:114 Resp: 470488

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.0
88	15.7	0.0	29.4



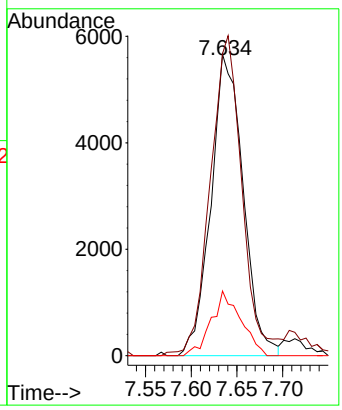


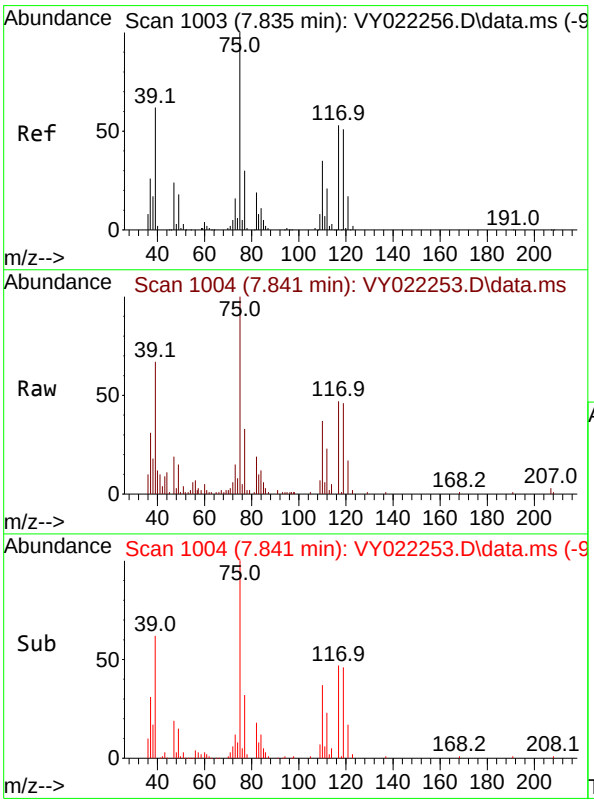
#35
Dibromofluoromethane
Concen: 4.933 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 13854

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.7	15.2	22.8

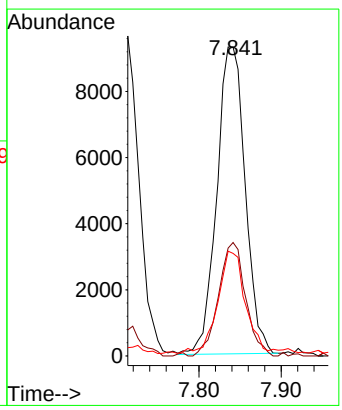


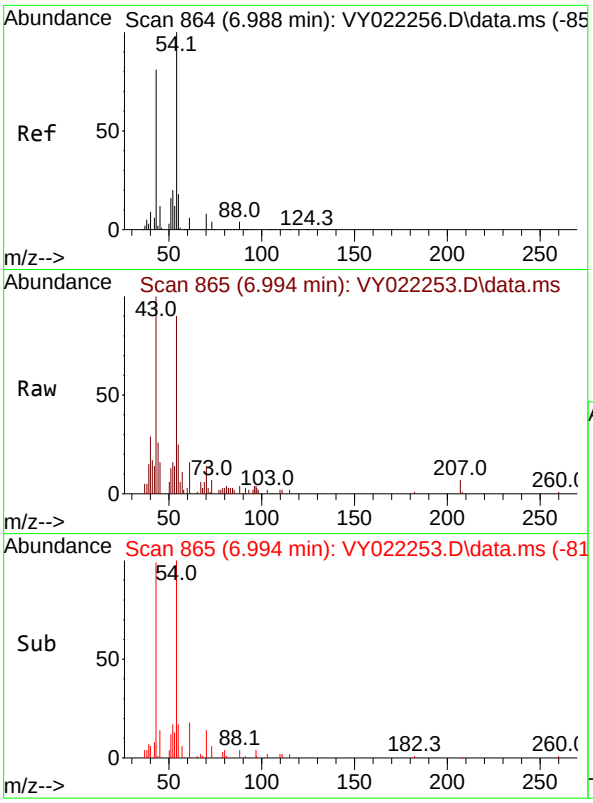


#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 22314

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	32.4	24.6	37.0



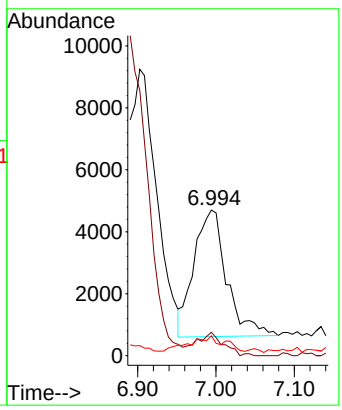


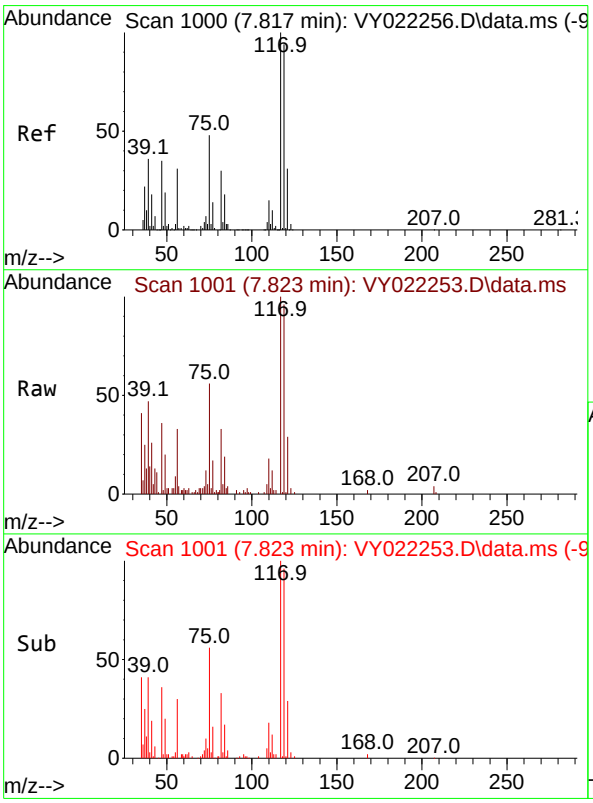
#37
Ethyl Acetate
Concen: 5.352 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11910

Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.2	15.2
70	9.6	7.6	11.4

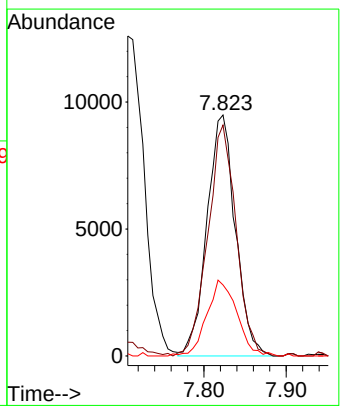


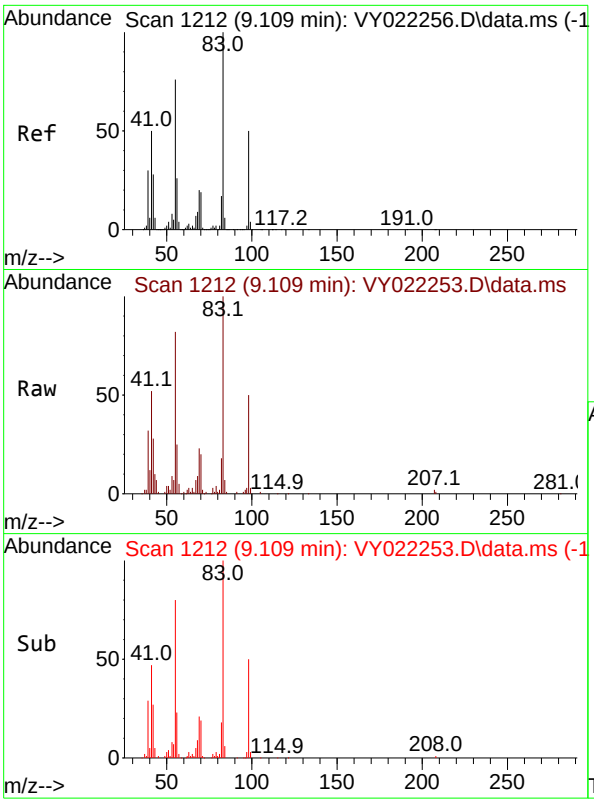


#38
Carbon Tetrachloride
Concen: 4.768 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 22826

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	29.5	24.7	37.1



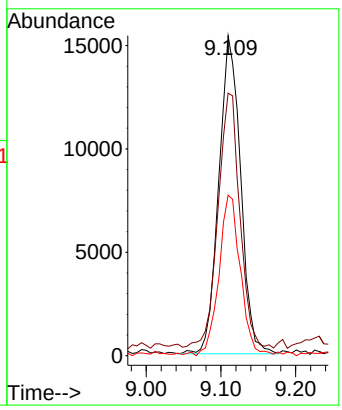


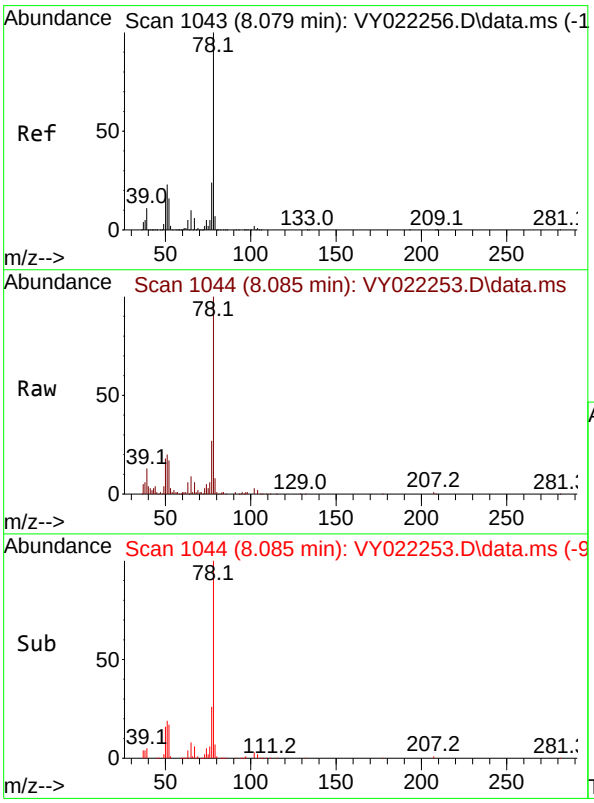
#39
Methylcyclohexane
Concen: 5.024 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 31218

Ion	Ratio	Lower	Upper
83	100		
55	78.9	60.6	90.8
98	49.6	40.0	60.0

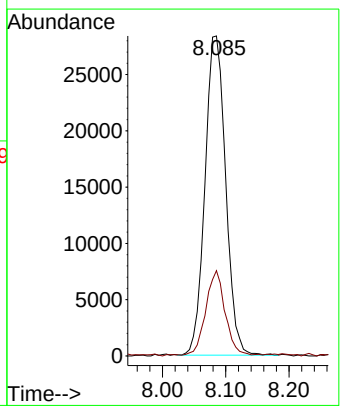


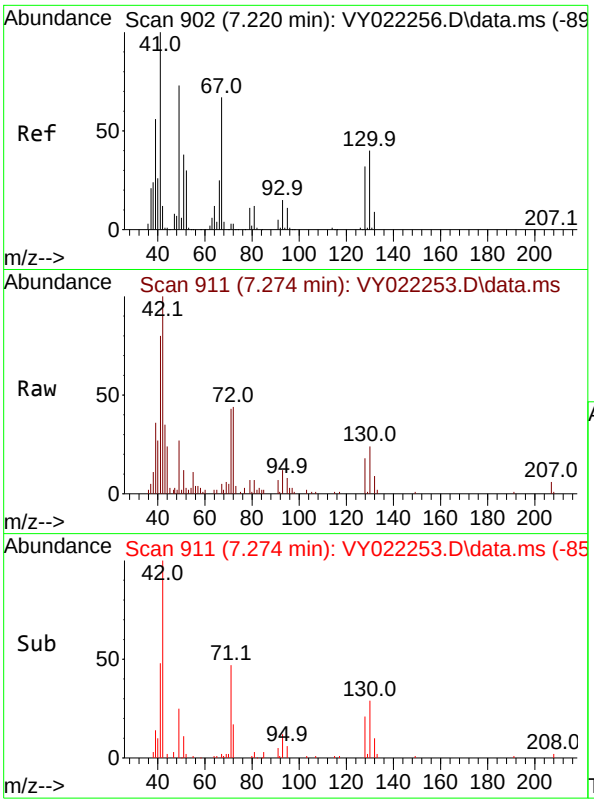


#40
Benzene
Concen: 4.699 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 78 Resp: 64430

Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.9	28.3



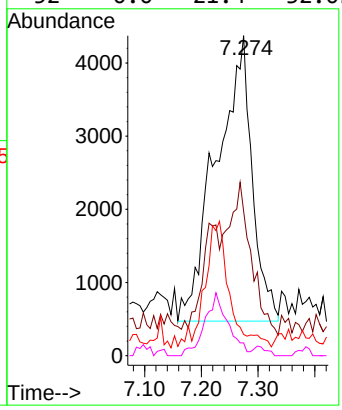


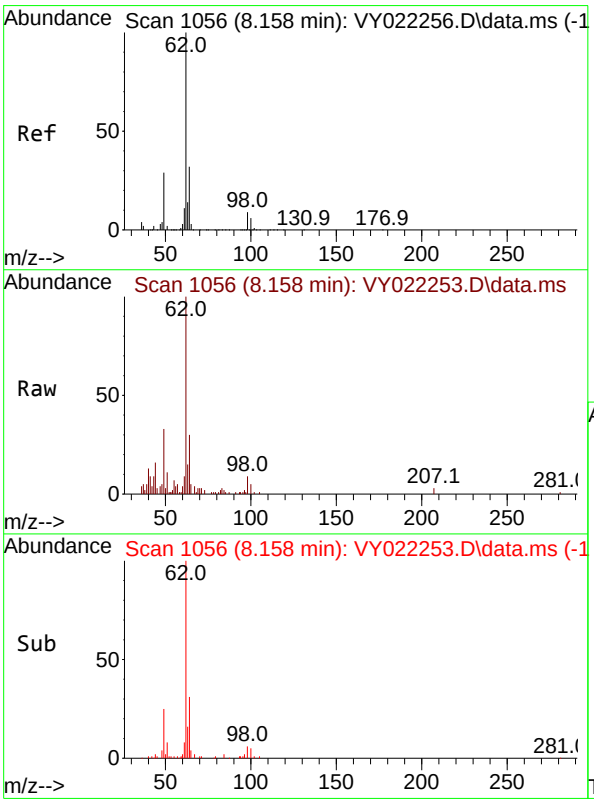
#41
Methacrylonitrile
Concen: 10.436 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.055 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 16995

Ion	Ratio	Lower	Upper
41	100		
39	26.8	39.1	58.7#
67	0.0	47.1	70.7#
52	0.0	21.4	32.0#

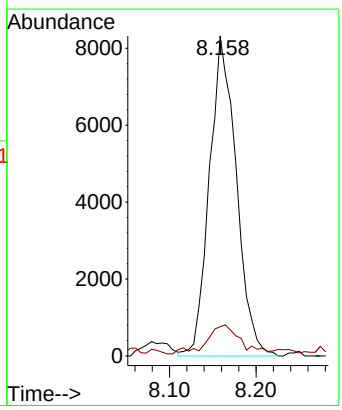


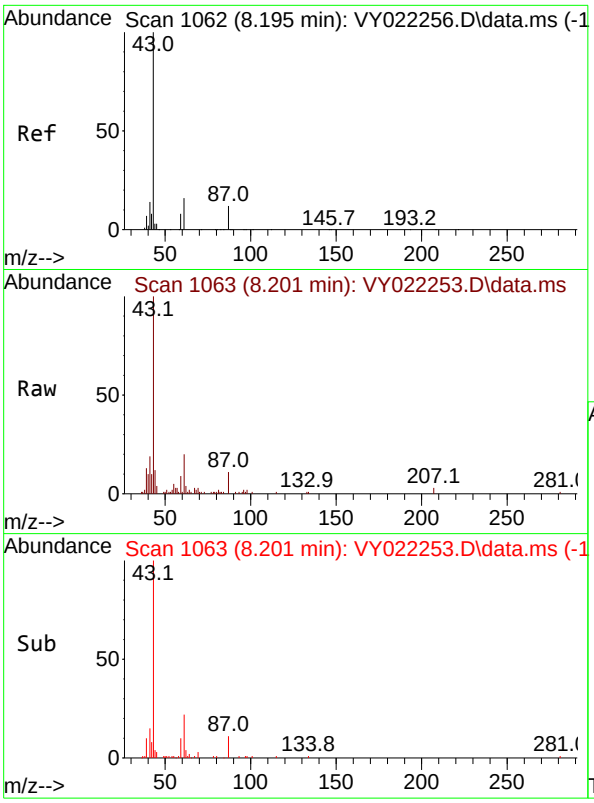


#42
1,2-Dichloroethane
Concen: 4.837 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 17934

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.4



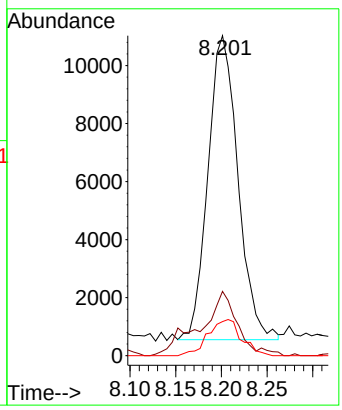


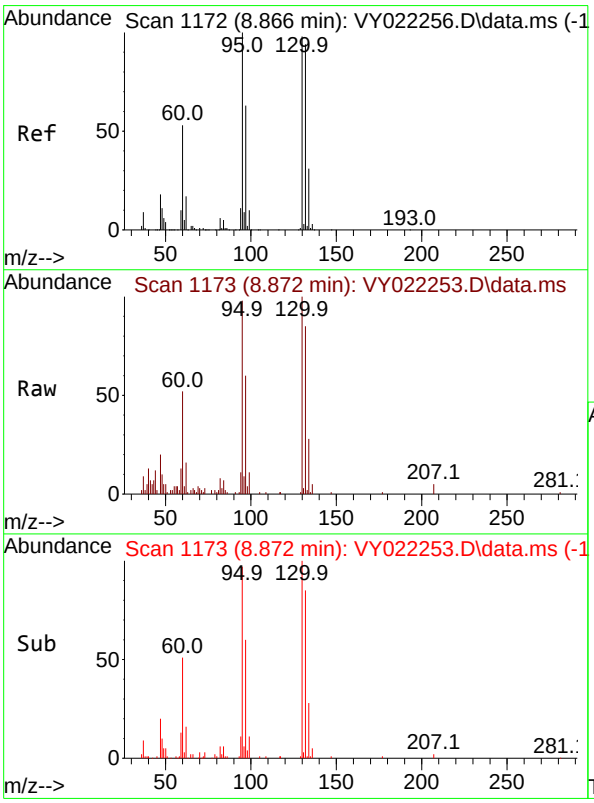
#43
Isopropyl Acetate
Concen: 4.941 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 23979

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	13.2	9.7	14.5

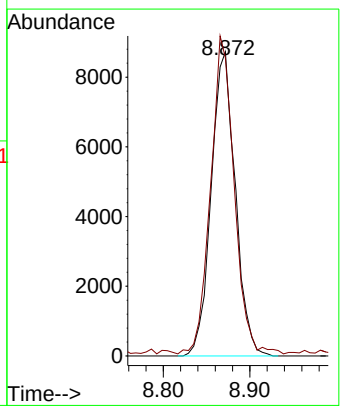


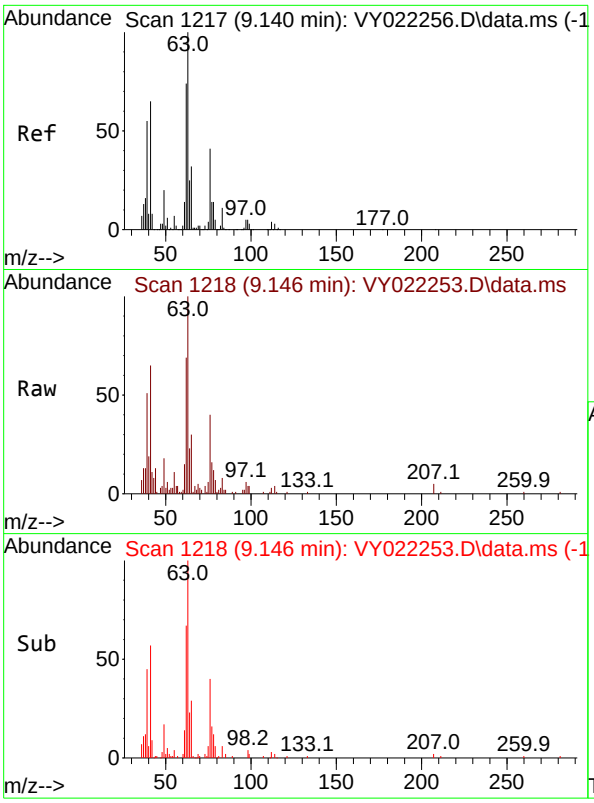


#44
Trichloroethene
Concen: 4.943 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:130 Resp: 16852

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	204.8



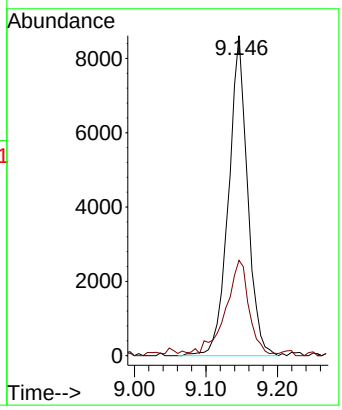


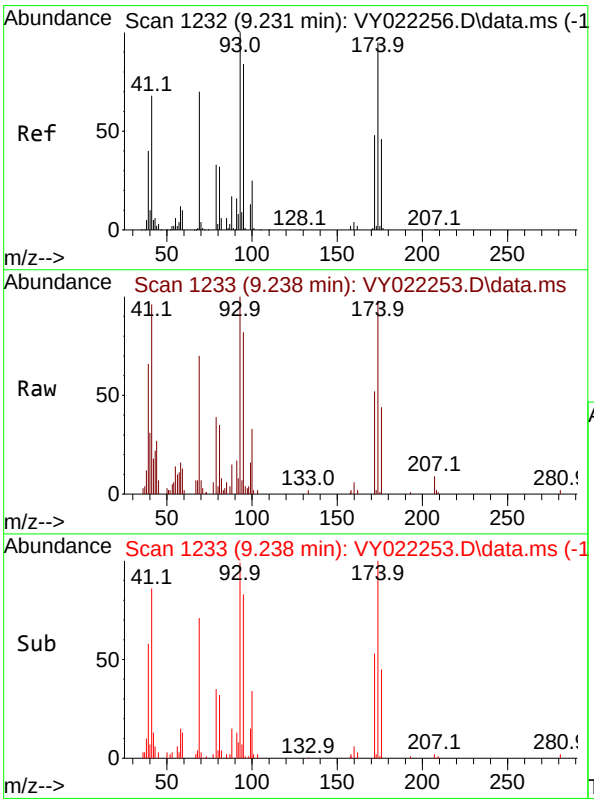
#45
1,2-Dichloropropane
Concen: 4.796 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 15855

Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.7	38.5

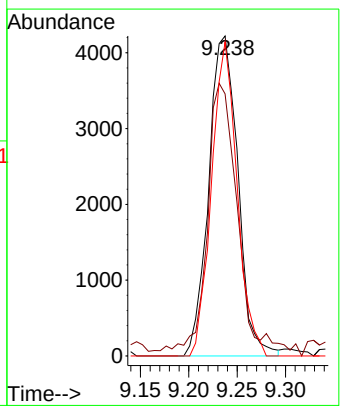


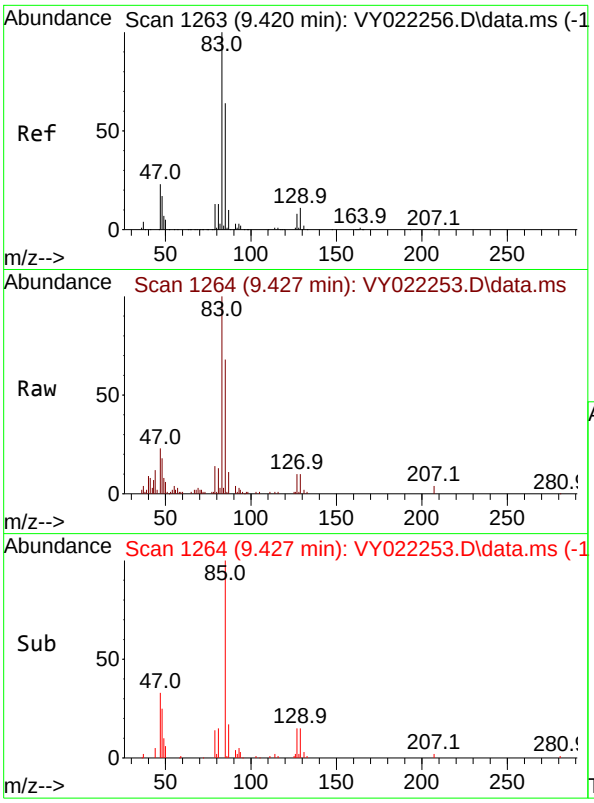


#46
Dibromomethane
Concen: 4.980 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 93 Resp: 8879

Ion	Ratio	Lower	Upper
93	100		
95	89.8	65.2	97.8
174	85.7	74.3	111.5



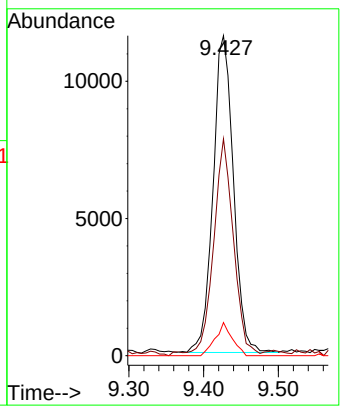


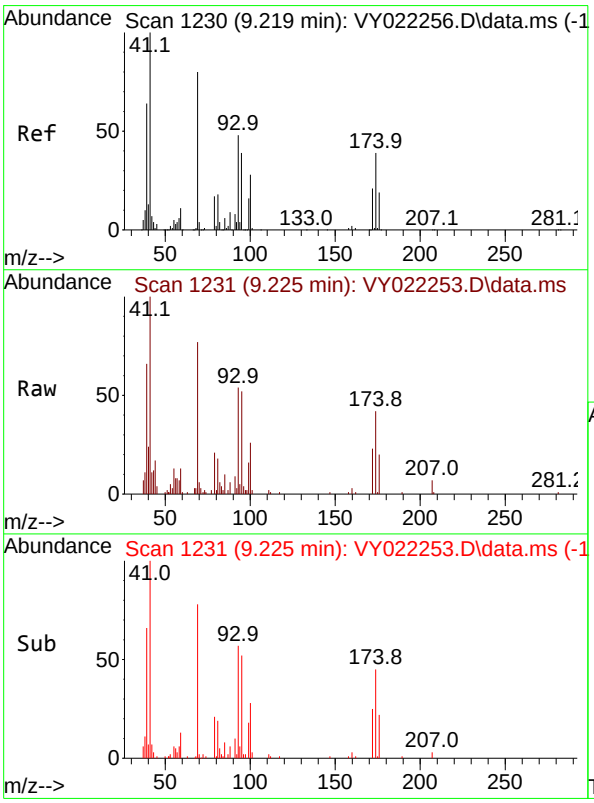
#47
Bromodichloromethane
Concen: 4.736 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21906

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.1	76.7
127	10.4	6.6	10.0#

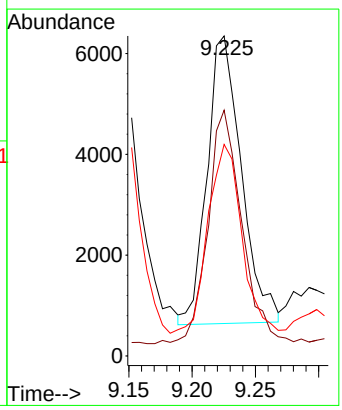


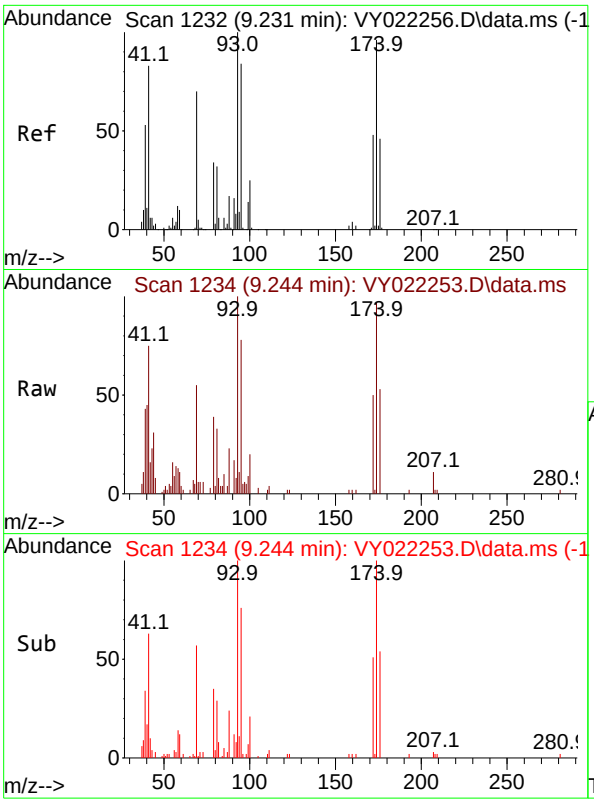


#48
Methyl methacrylate
Concen: 4.727 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 10729

Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.5	95.3
39	66.0	50.8	76.2



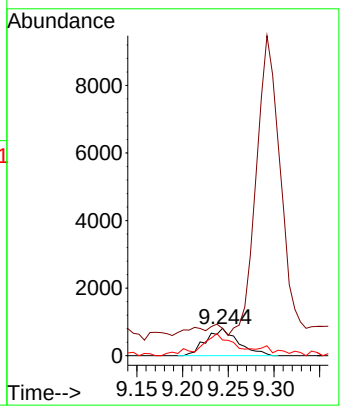


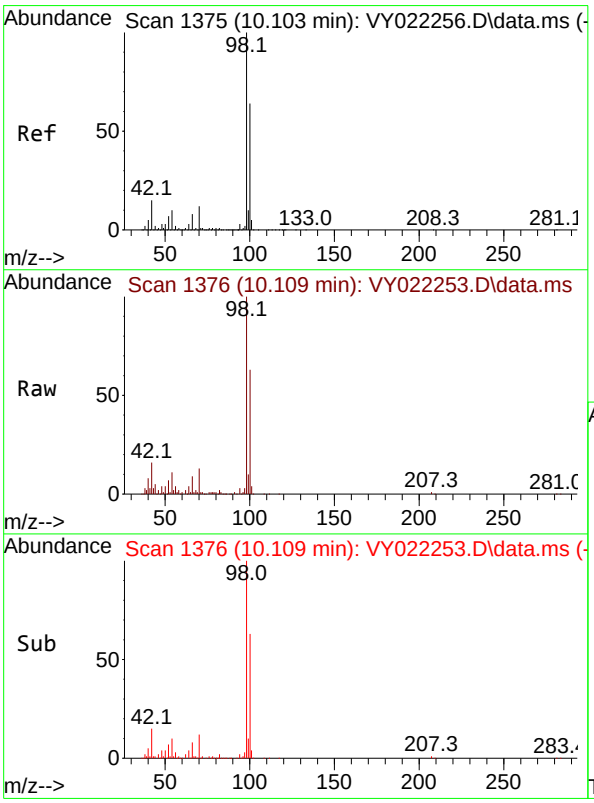
#49
1,4-Dioxane
Concen: 97.404 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1962

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.5	42.7#
58	79.8	61.4	92.2

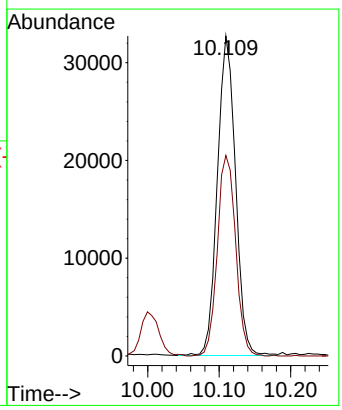


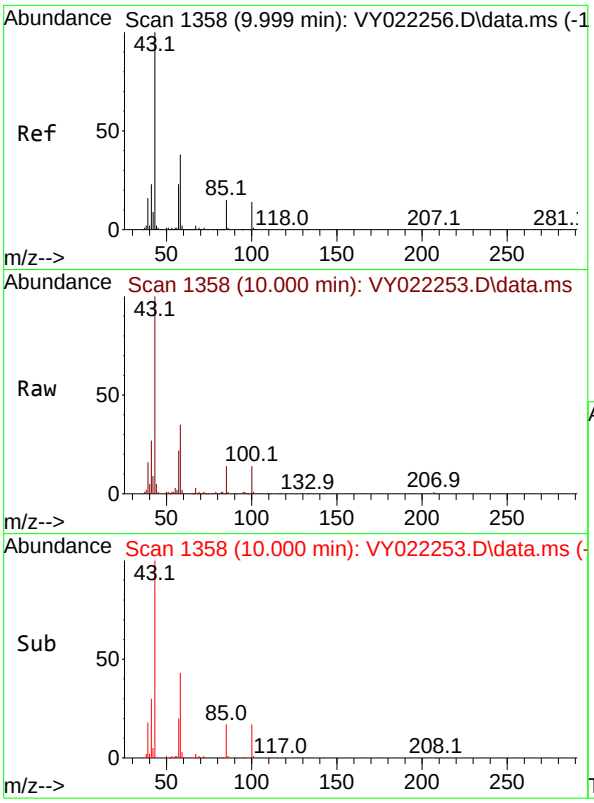


#50
Toluene-d8
Concen: 5.006 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 98 Resp: 57575

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.8	77.8



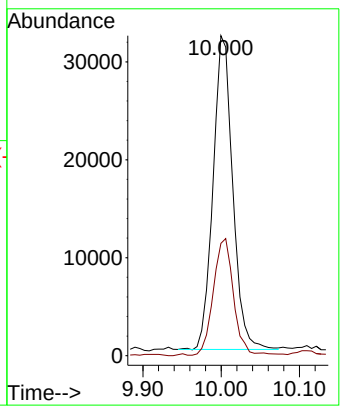


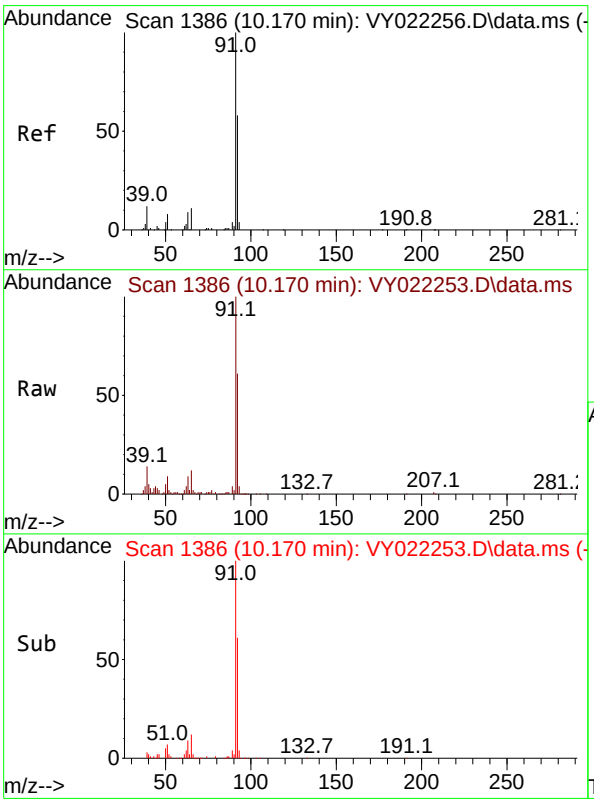
#51
4-Methyl-2-Pentanone
Concen: 23.464 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55880

Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.4	44.2

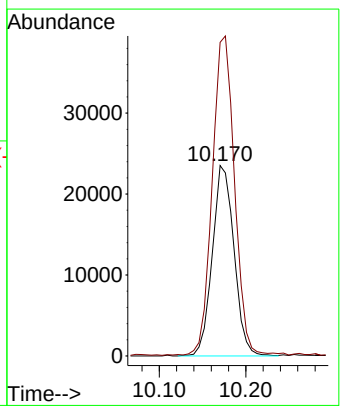


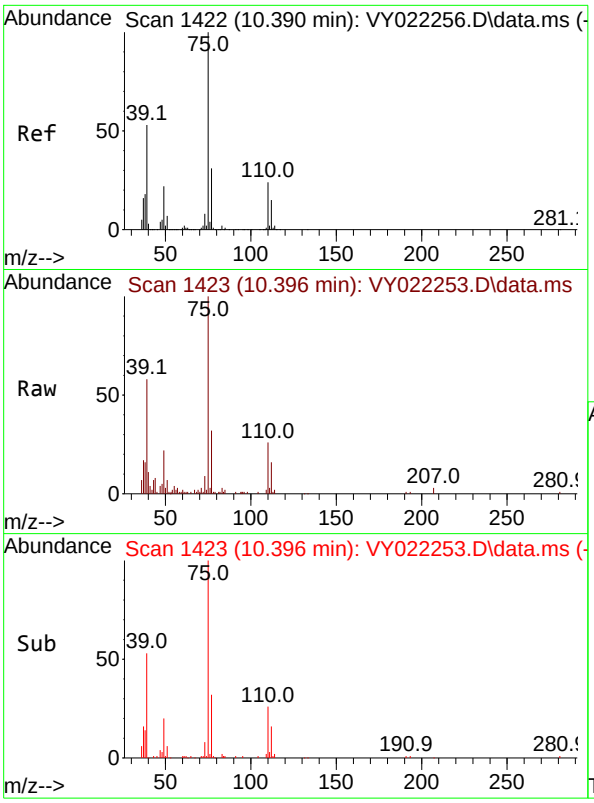


#52
Toluene
Concen: 4.722 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 92 Resp: 41001

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.1	208.7



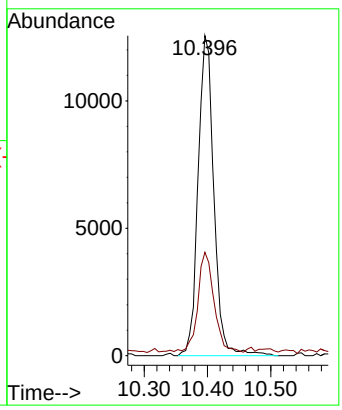


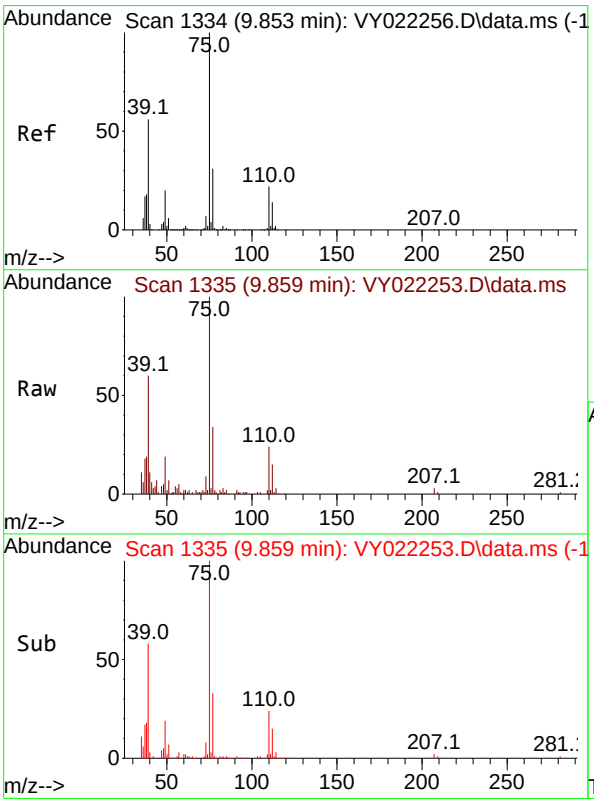
#53
t-1,3-Dichloropropene
Concen: 4.839 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 21842

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

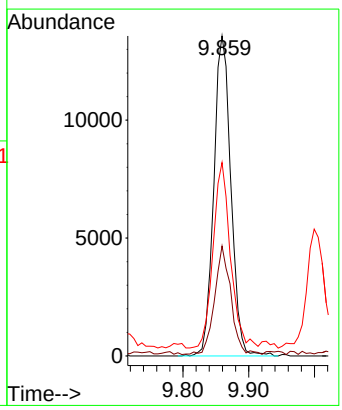


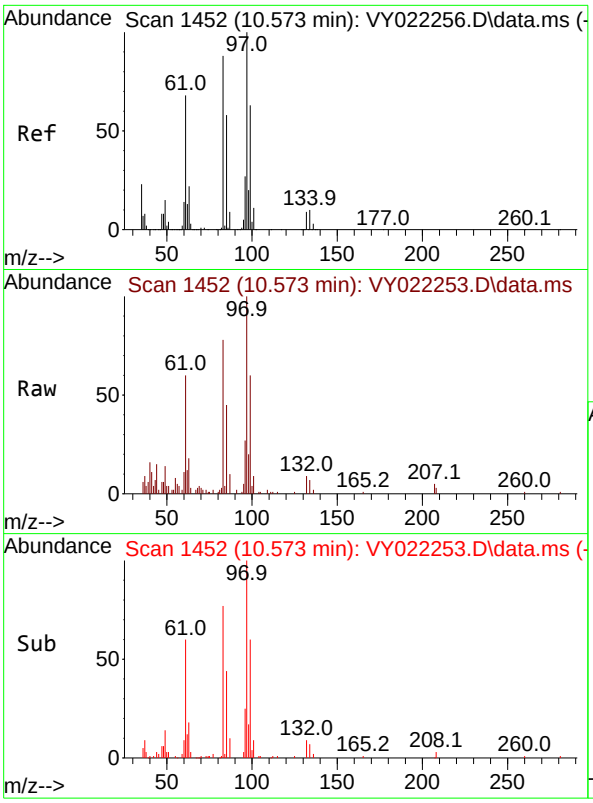


#54
cis-1,3-Dichloropropene
Concen: 4.758 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 24609

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.1	37.7
39	58.0	44.5	66.7



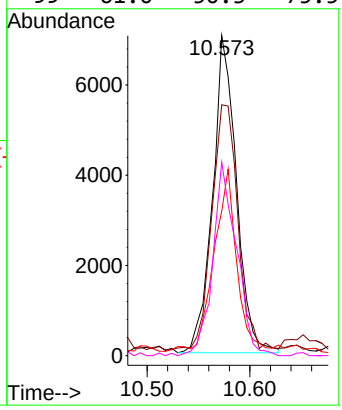


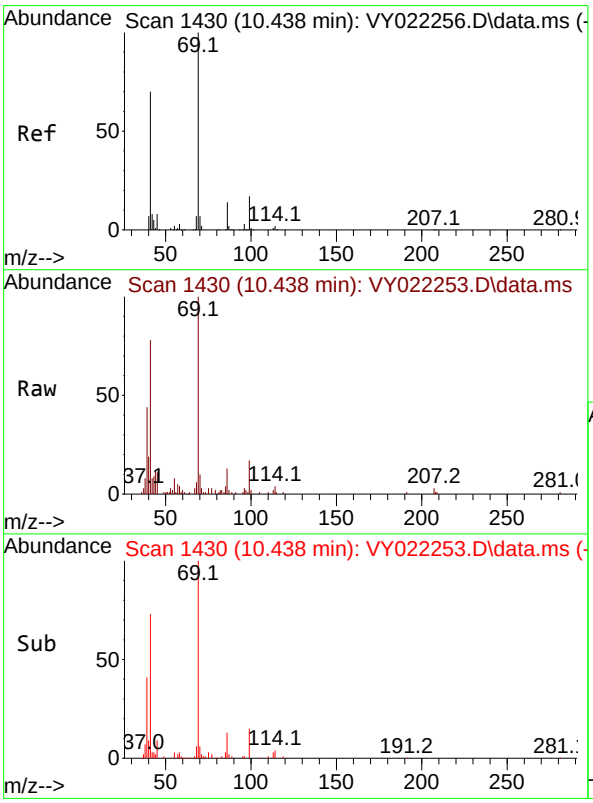
#55
1,1,2-Trichloroethane
Concen: 4.964 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 11333

Ion	Ratio	Lower	Upper
97	100		
83	77.0	70.3	105.5
85	42.7	46.2	69.4#
99	61.0	50.3	75.5

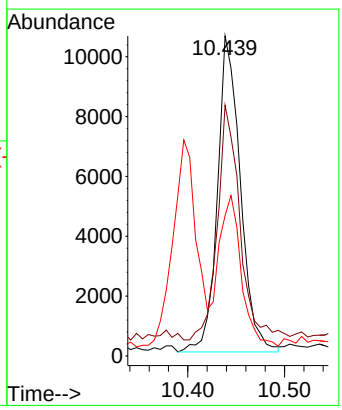


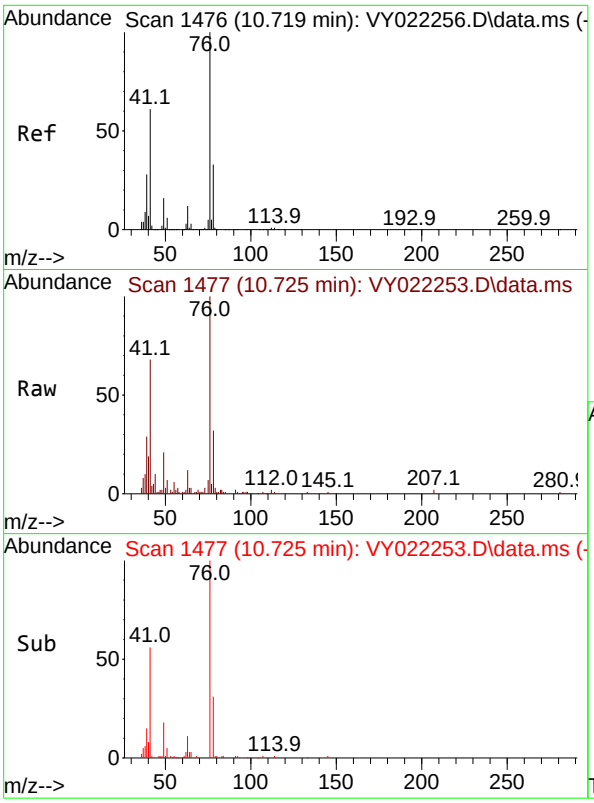


#56
Ethyl methacrylate
Concen: 4.898 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 69 Resp: 17420

Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.5	84.7
39	46.8	37.1	55.7



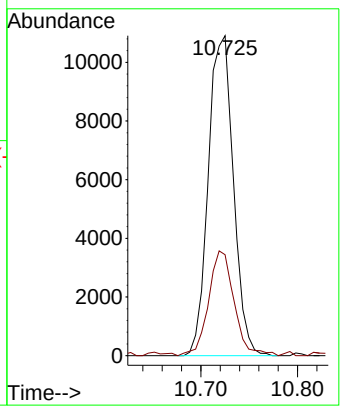


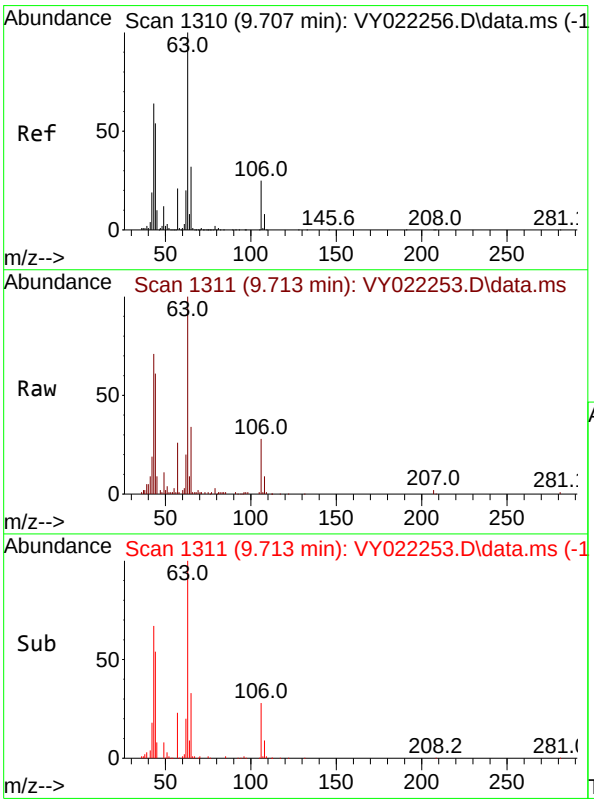
#57
1,3-Dichloropropane
Concen: 4.852 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 19684

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

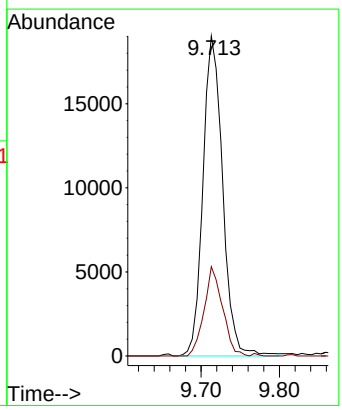


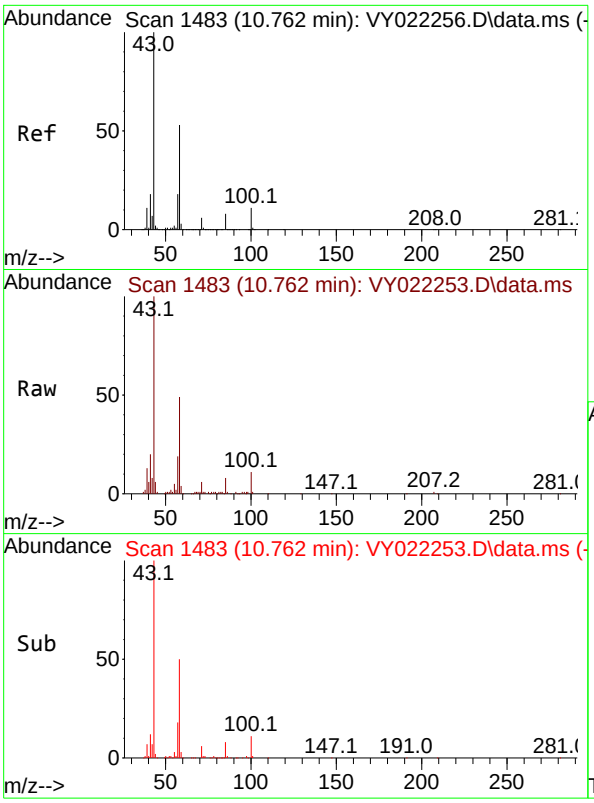


#58
2-Chloroethyl Vinyl ether
Concen: 20.807 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 33215

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.0	31.4



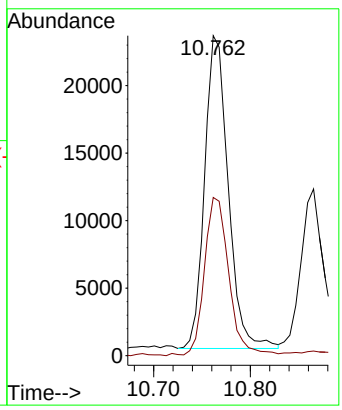


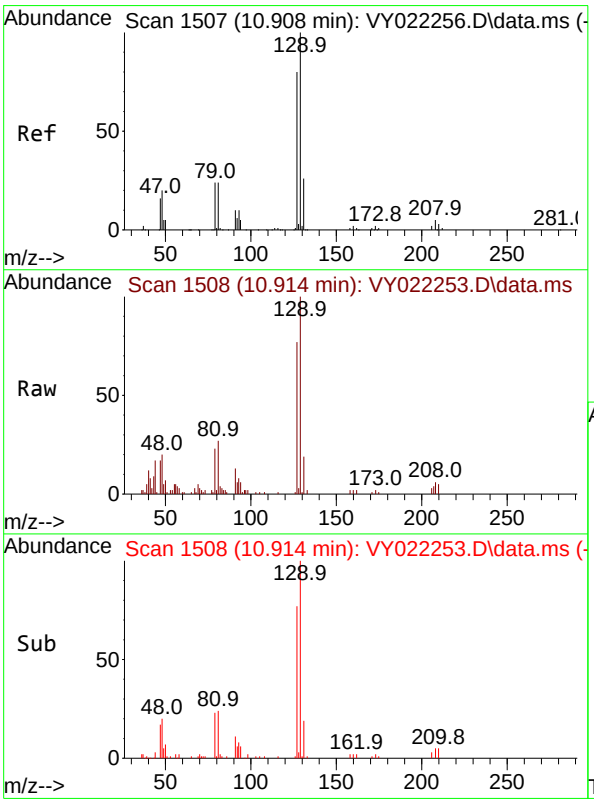
#59
2-Hexanone
Concen: 24.617 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 39307

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

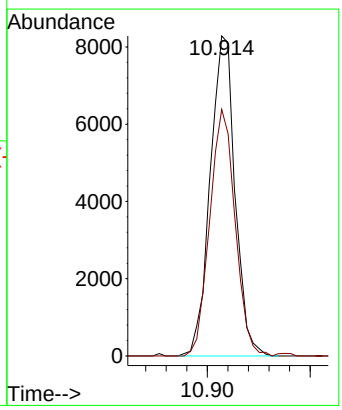


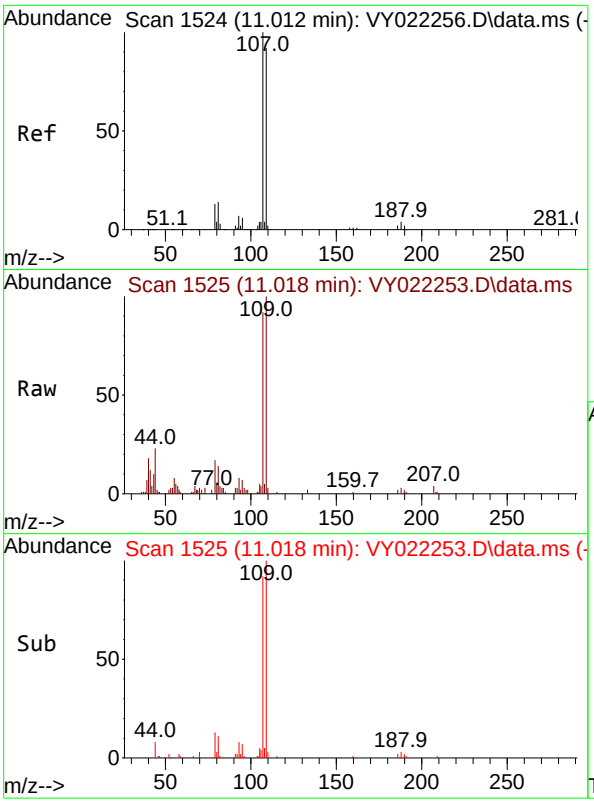


#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:129 Resp: 13908

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.7



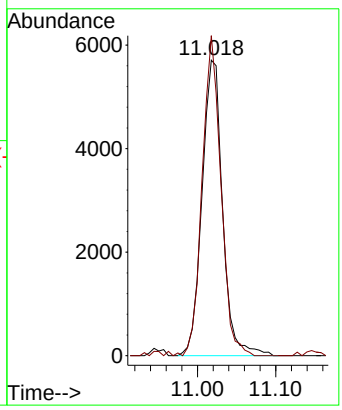


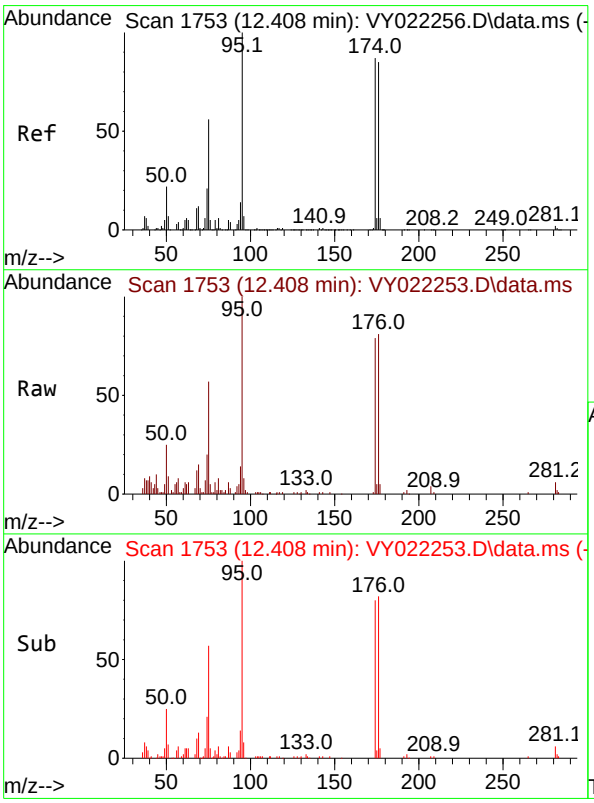
#61
1,2-Dibromoethane
Concen: 4.883 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10391

Ion	Ratio	Lower	Upper
107	100		
109	98.9	74.6	111.8

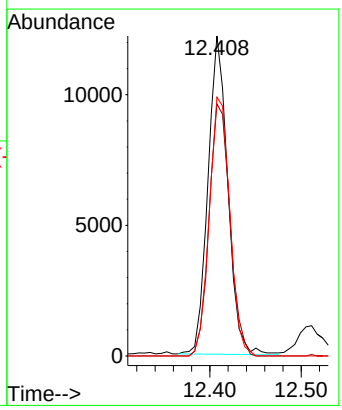


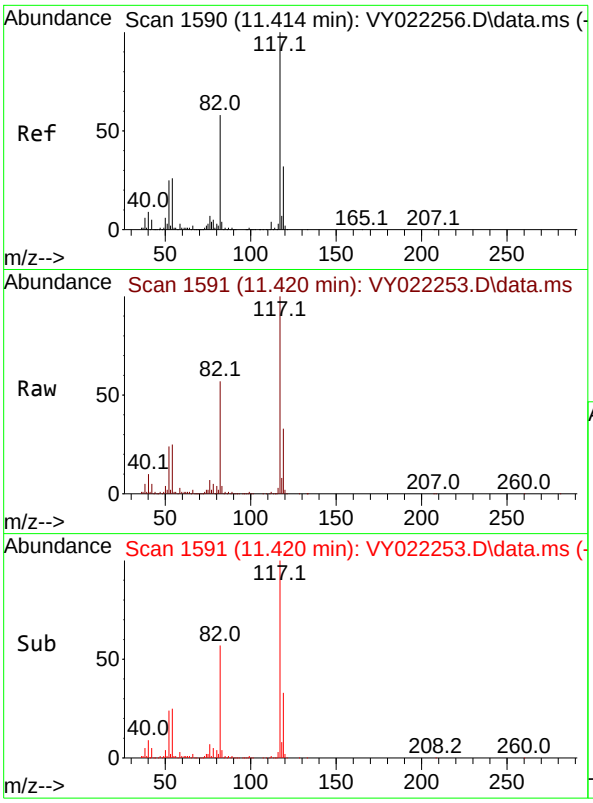


#62
4-Bromofluorobenzene
Concen: 5.028 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 95 Resp: 18328

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	166.8
176	84.3	0.0	160.8



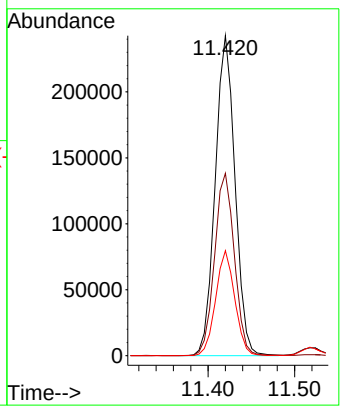


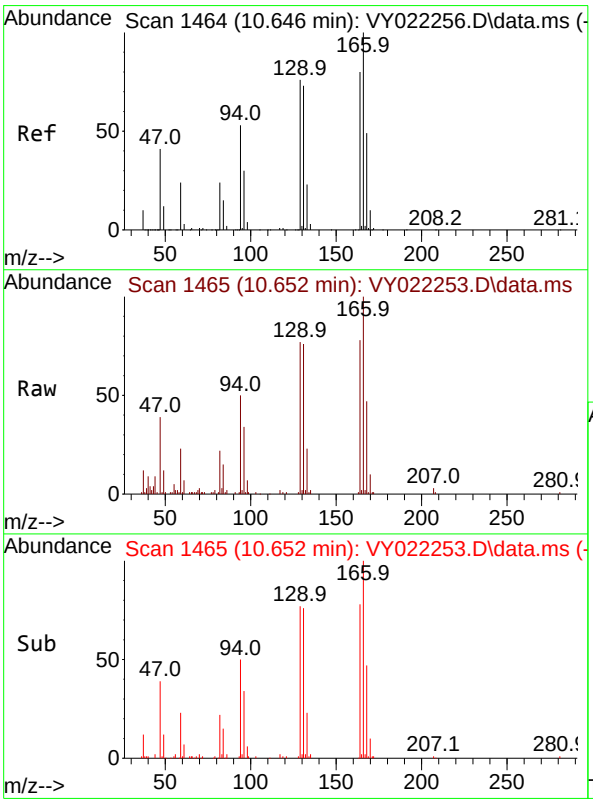
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 385399

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.6	70.0
119	32.8	25.8	38.6

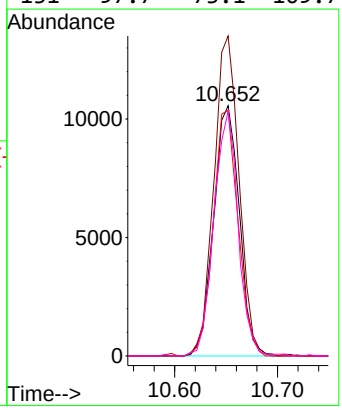


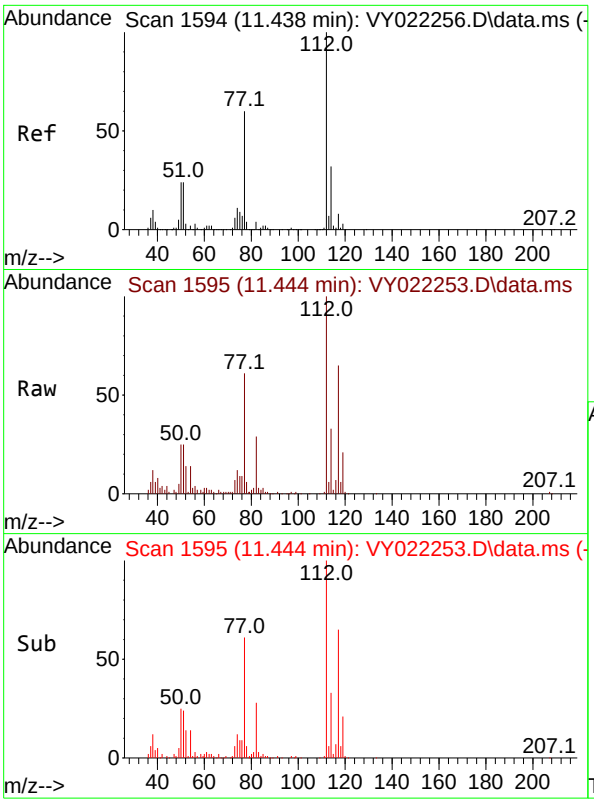


#64
Tetrachloroethene
Concen: 5.125 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:164 Resp: 18255

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.4	150.6
129	98.1	76.4	114.6
131	97.7	73.1	109.7



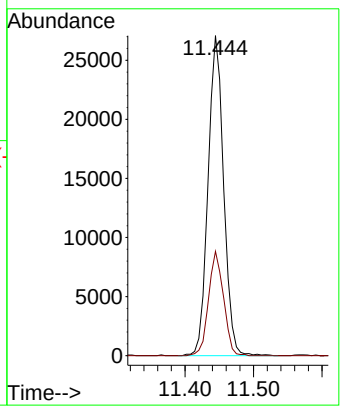


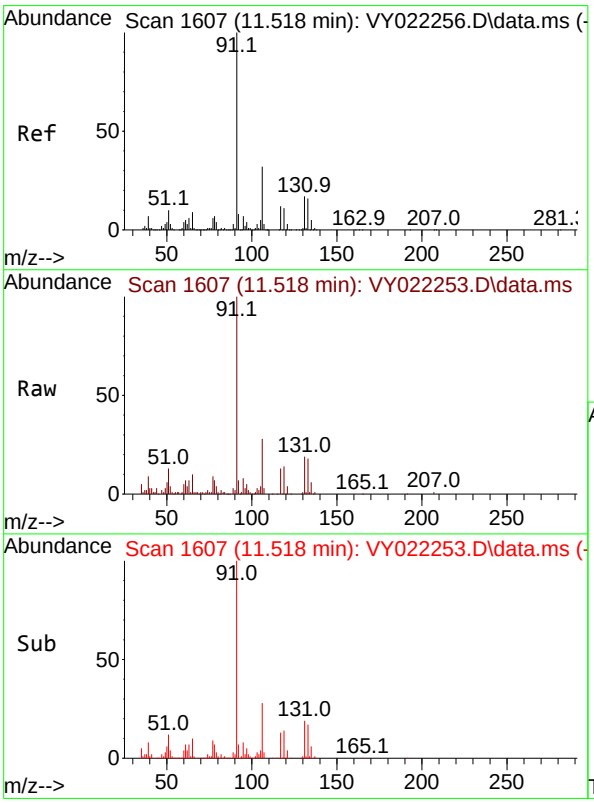
#65
Chlorobenzene
Concen: 4.927 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 42844

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

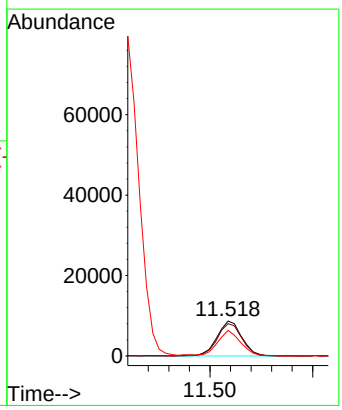


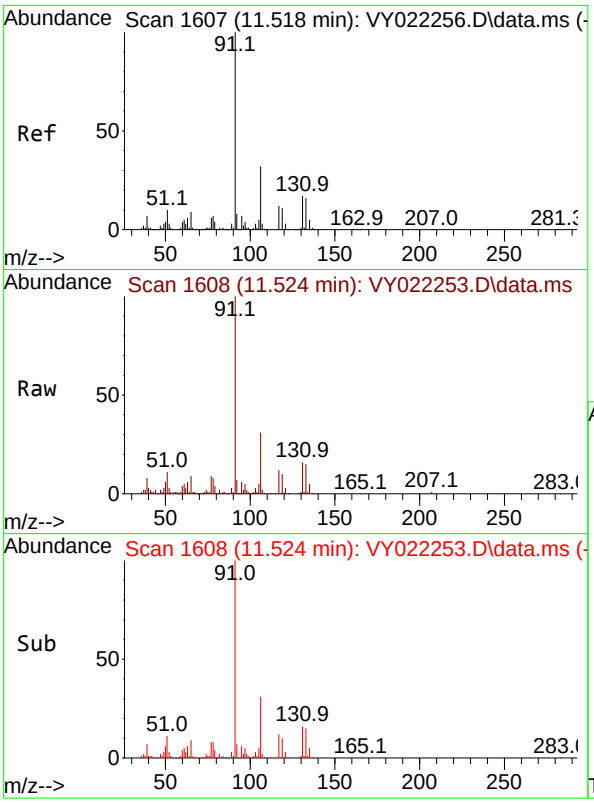


#66
1,1,1,2-Tetrachloroethane
Concen: 4.812 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:131 Resp: 14385

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	68.6	33.1	99.2



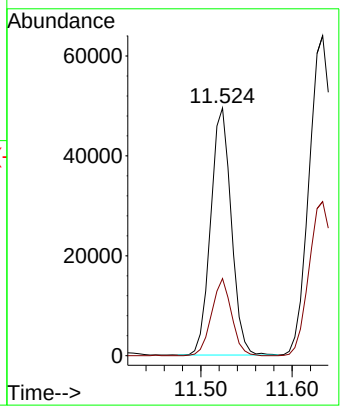


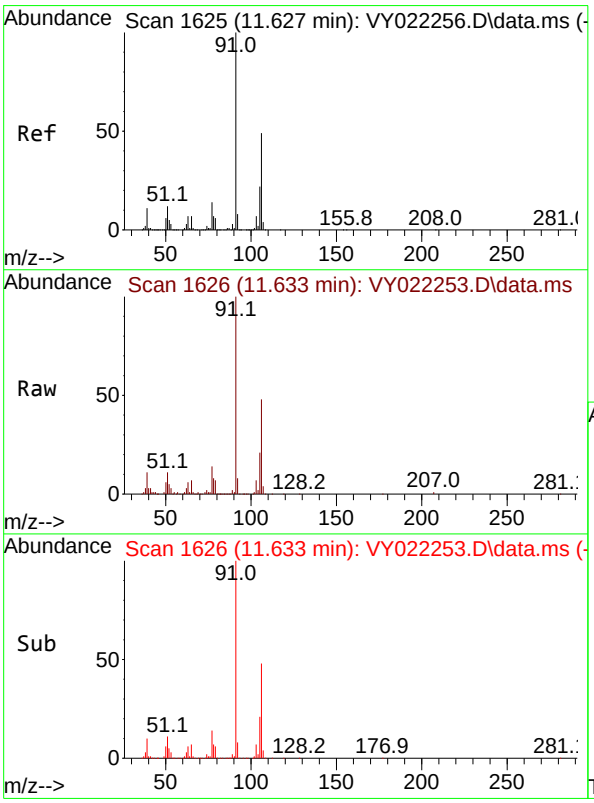
#67
Ethyl Benzene
Concen: 4.766 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 77606

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0

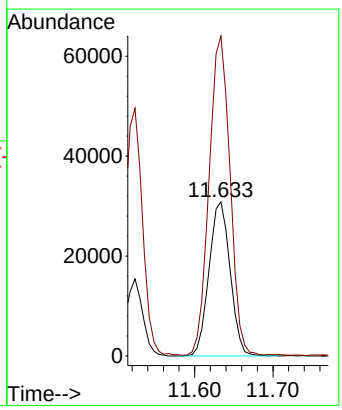


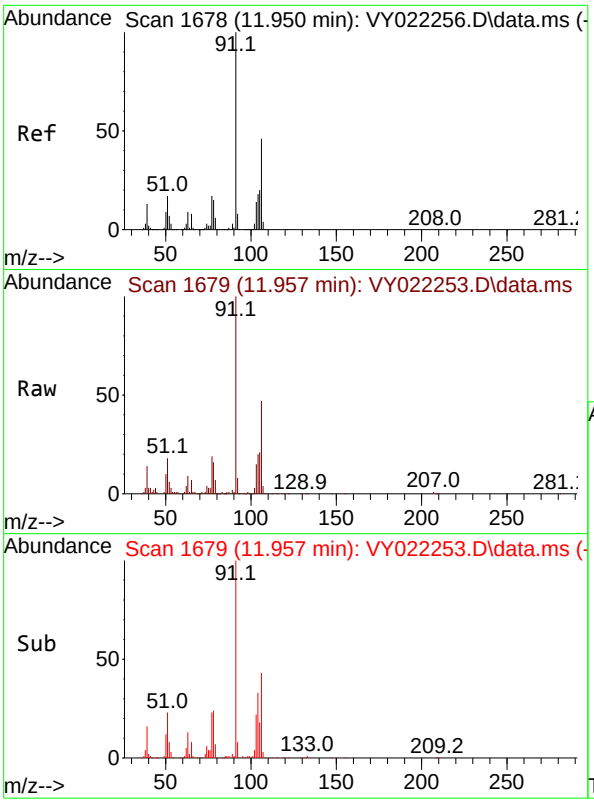


#68
m/p-Xylenes
Concen: 9.407 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:106 Resp: 57721

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.0	244.4



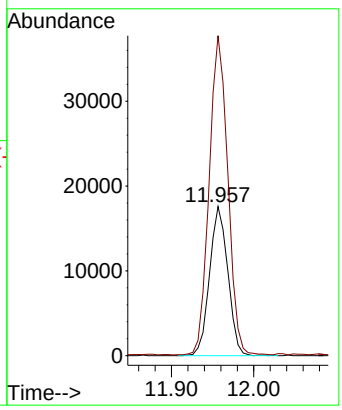


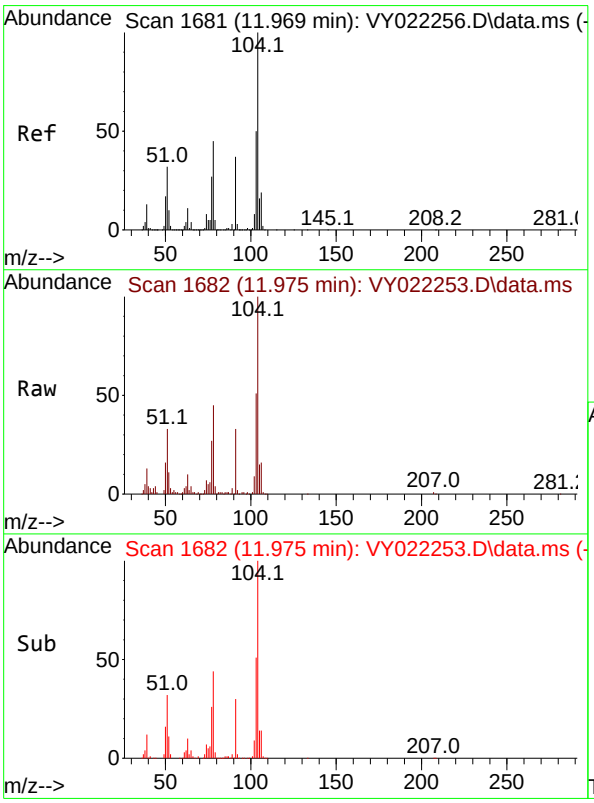
#69
o-Xylene
Concen: 4.673 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 27130

Ion	Ratio	Lower	Upper
106	100		
91	218.6	108.3	324.8

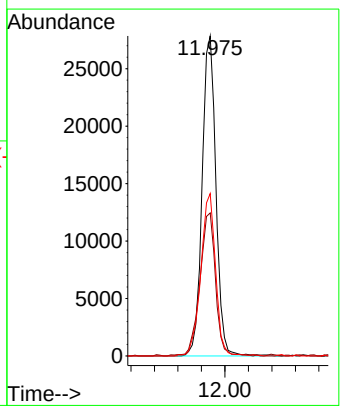


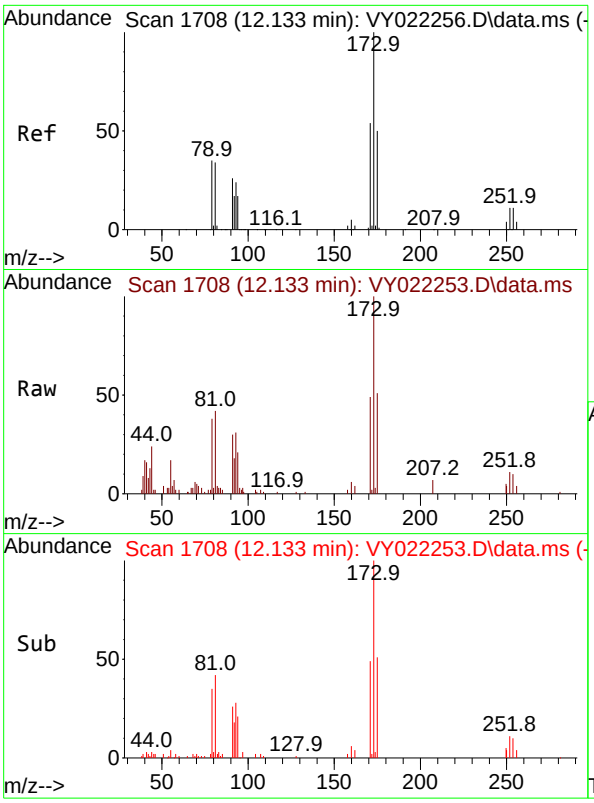


#70
Styrene
Concen: 4.652 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:104 Resp: 45556

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.9	61.3
103	54.2	43.7	65.5



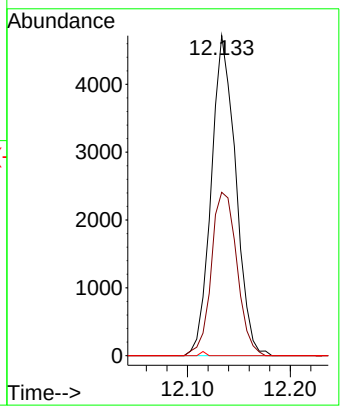


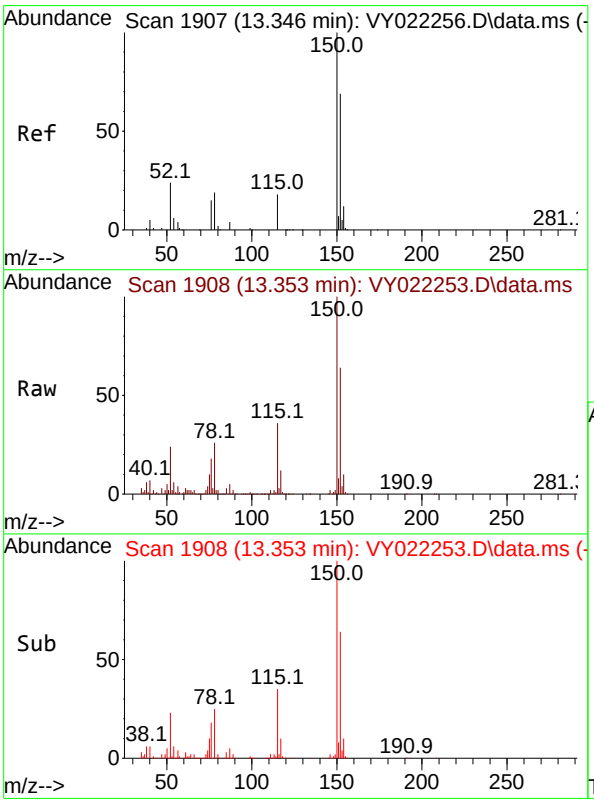
#71
Bromoform
Concen: 4.834 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7799

Ion	Ratio	Lower	Upper
173	100		
175	53.5	24.7	74.1
254	0.3	0.0	0.0#

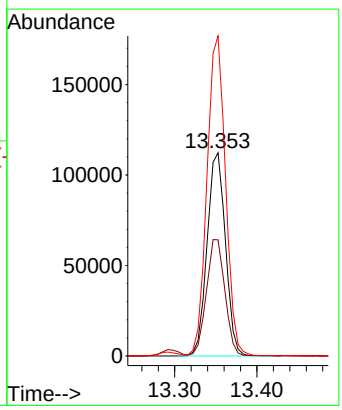


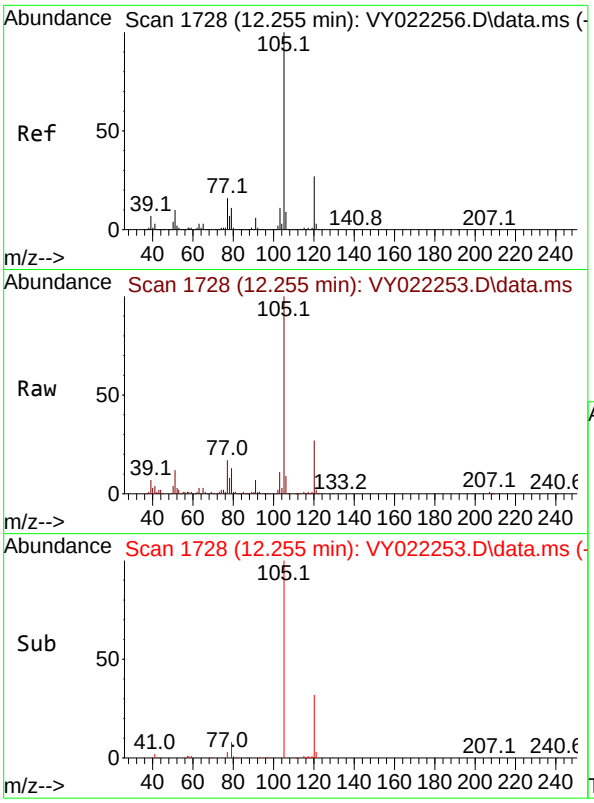


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:152 Resp: 174003

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	158.8	0.0	353.8



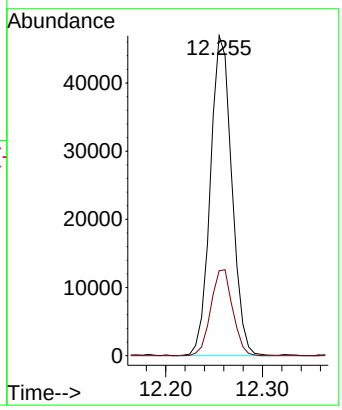


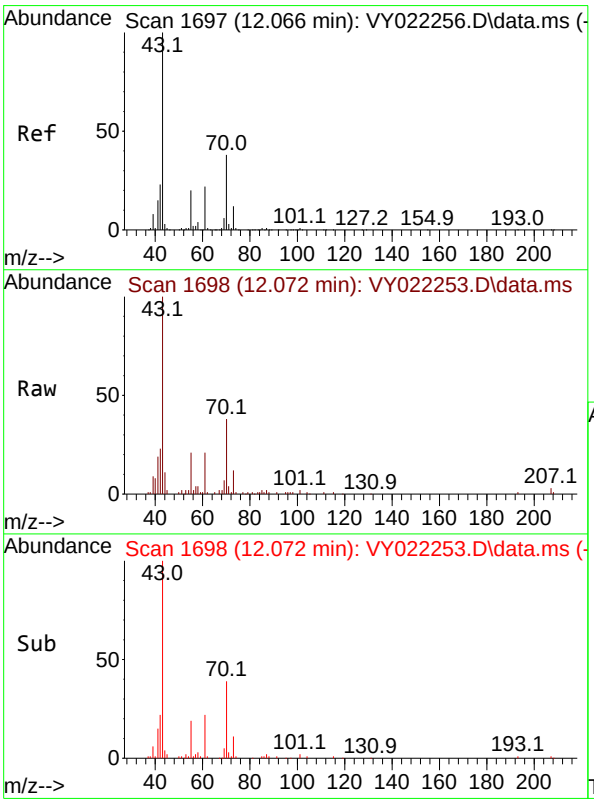
#73
Isopropylbenzene
Concen: 5.017 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 72325

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.2	39.6

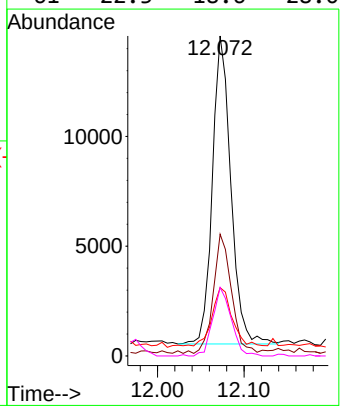


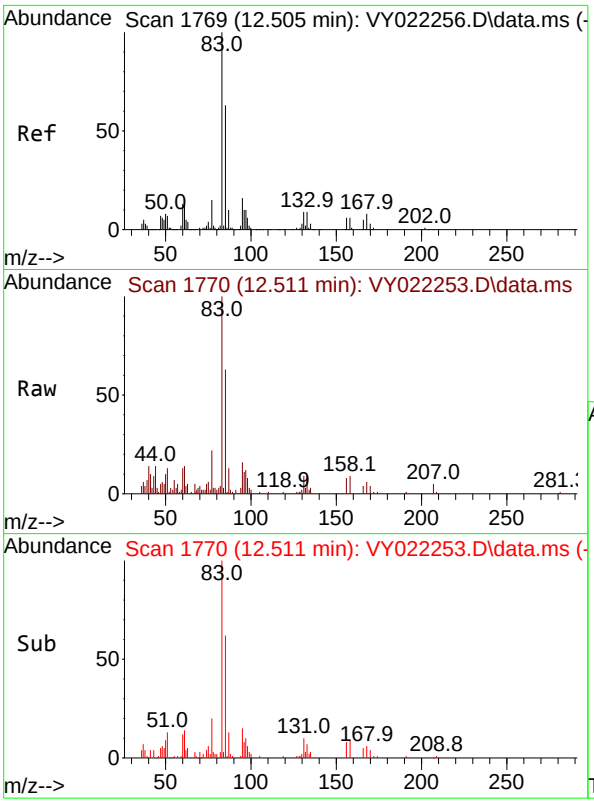


#74
N-amyl acetate
Concen: 5.043 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 20793

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.4	47.0
55	19.9	17.0	25.6
61	22.3	18.6	28.0



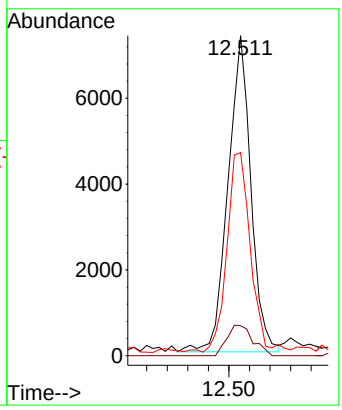


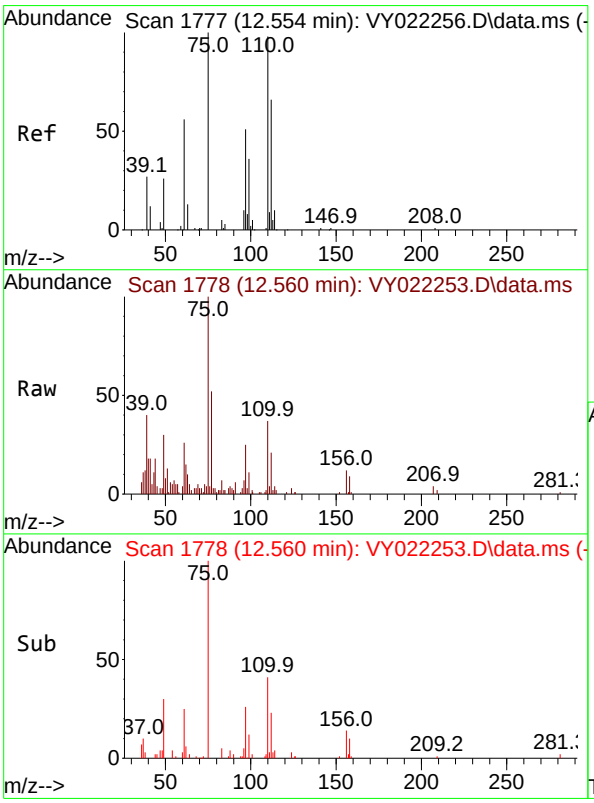
#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11422

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.7
85	63.6	32.0	96.0

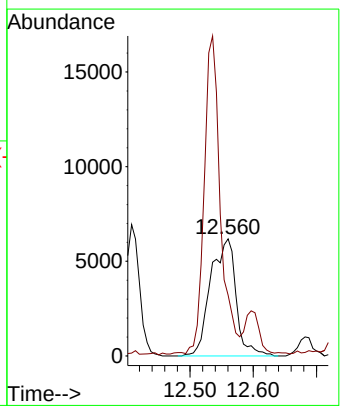


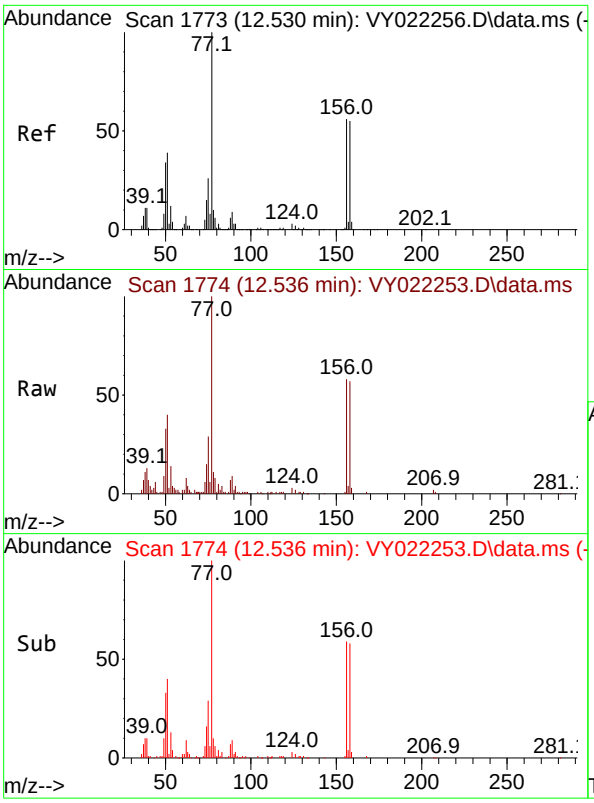


#76
1,2,3-Trichloropropane
Concen: 5.646 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 17315

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



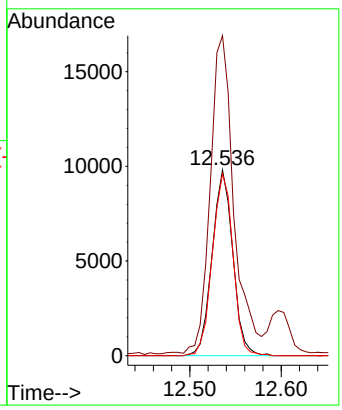


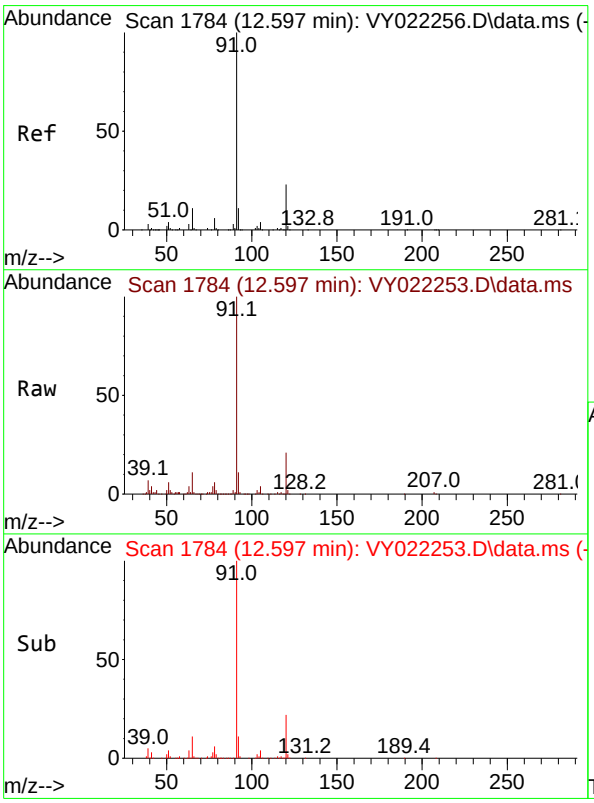
#77
Bromobenzene
Concen: 5.015 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15441

Ion	Ratio	Lower	Upper
156	100		
77	195.0	94.5	283.6
158	97.7	48.4	145.3

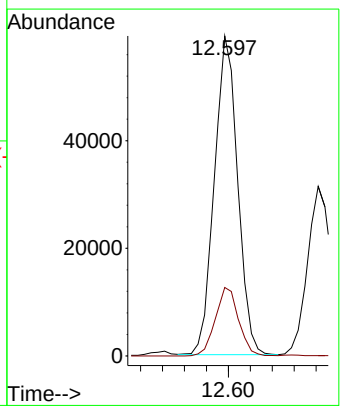


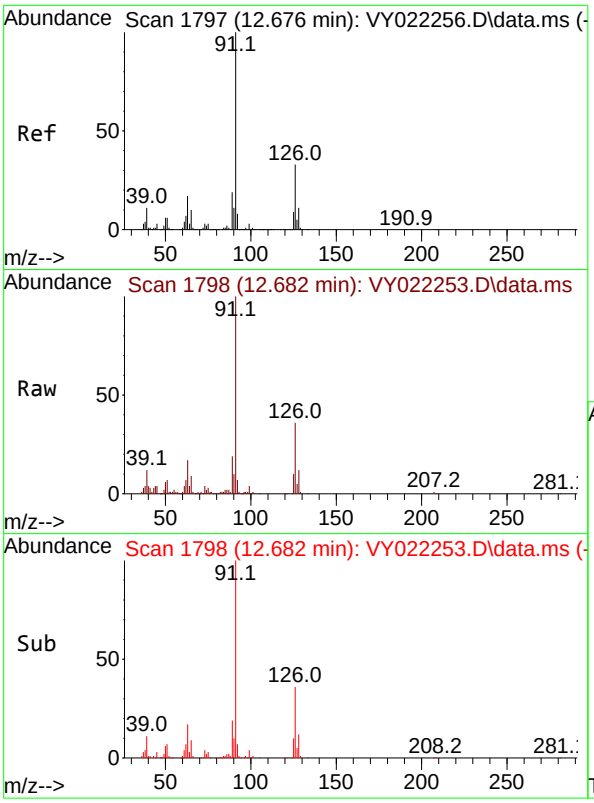


#78
n-propylbenzene
Concen: 5.034 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 87533

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3



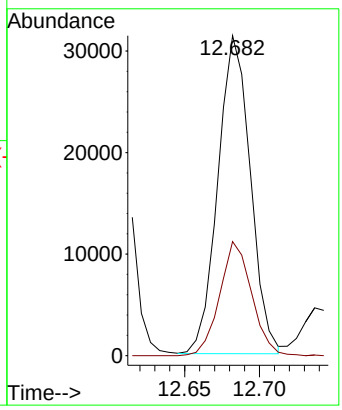


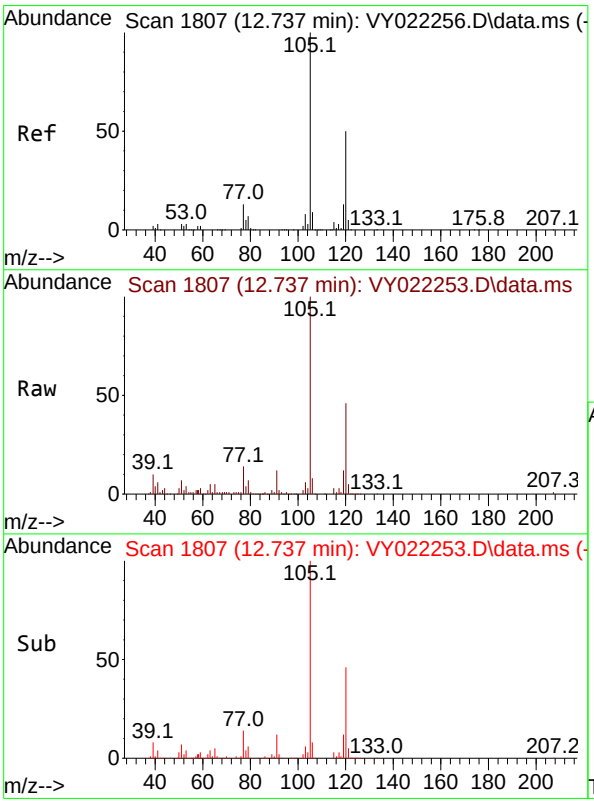
#79
2-Chlorotoluene
Concen: 4.944 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47245

Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.8	50.4

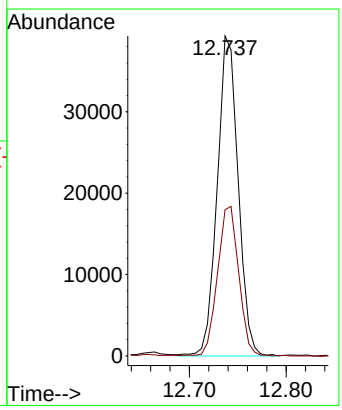


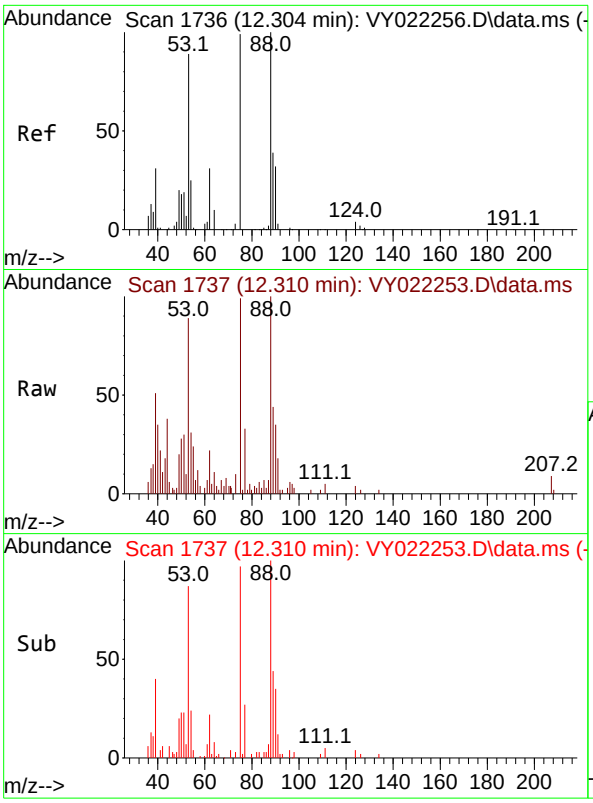


#80
1,3,5-Trimethylbenzene
Concen: 5.073 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 59031

Ion	Ratio	Lower	Upper
105	100		
120	47.3	24.2	72.6



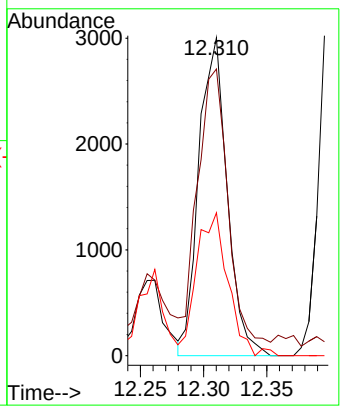


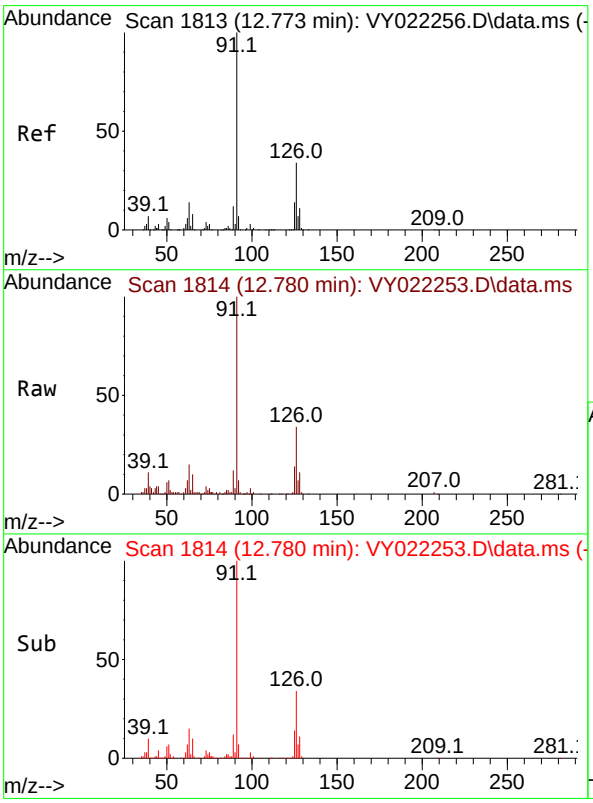
#81
trans-1,4-Dichloro-2-butene
Concen: 5.373 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4676

Ion	Ratio	Lower	Upper
75	100		
53	93.6	75.8	113.8
89	50.0	36.2	54.2

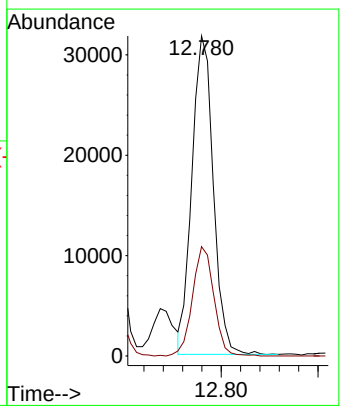


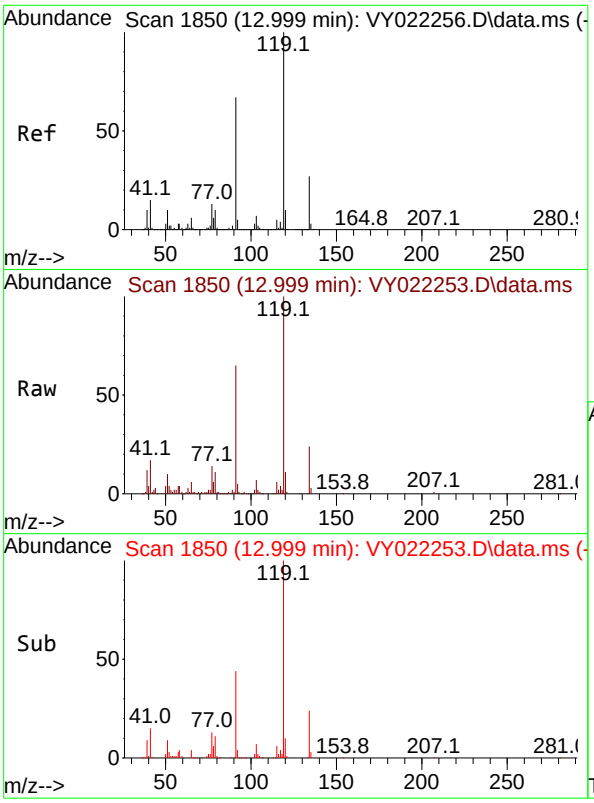


#82
4-Chlorotoluene
Concen: 4.959 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 48737

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4



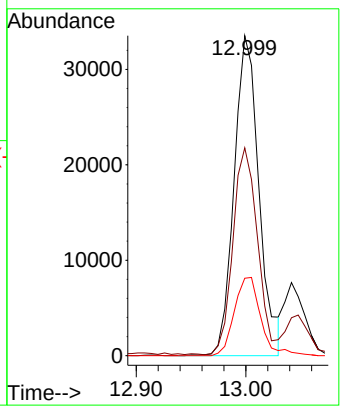


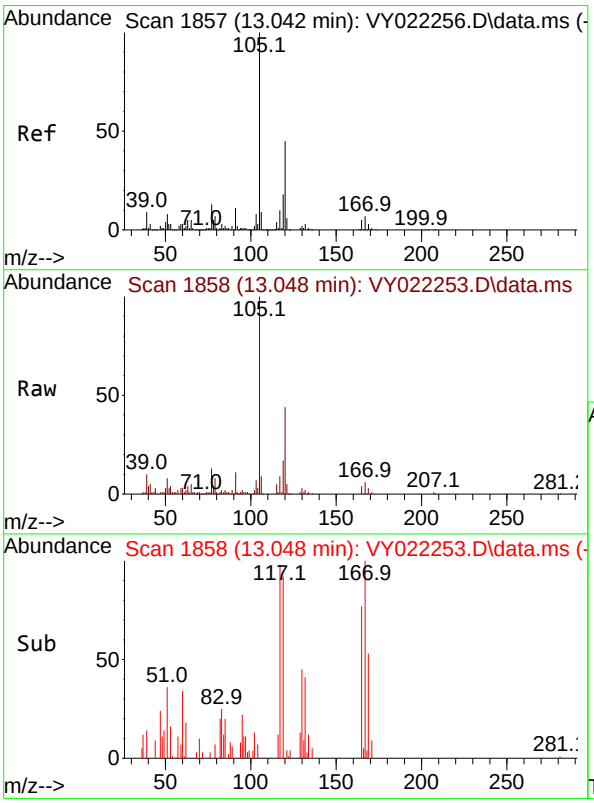
#83
tert-Butylbenzene
Concen: 5.109 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 52841

Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	26.0	12.9	38.6

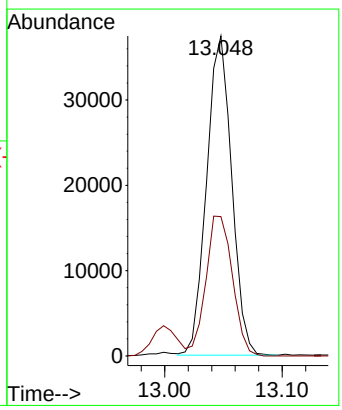


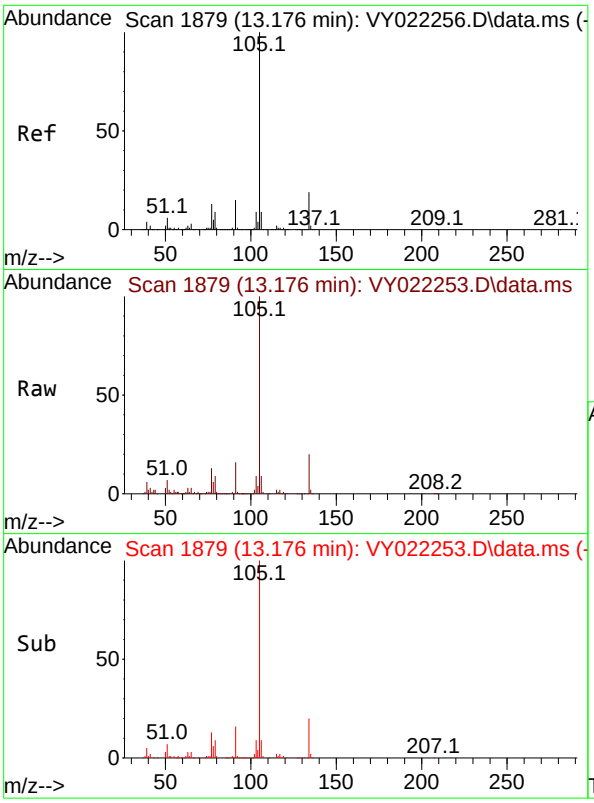


#84
1,2,4-Trimethylbenzene
Concen: 4.804 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 55488

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.3	66.9



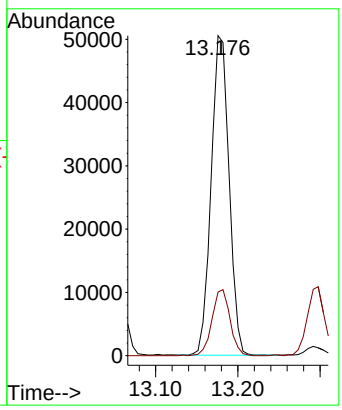


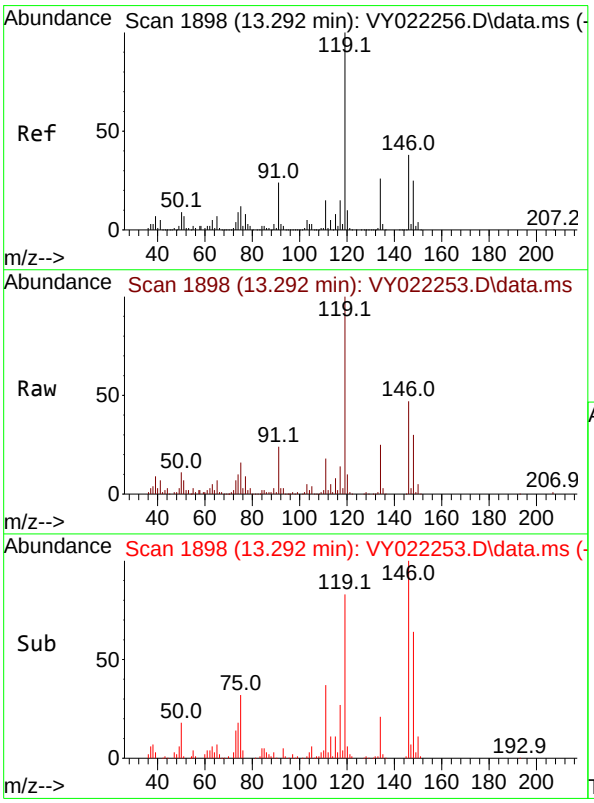
#85
sec-Butylbenzene
Concen: 4.975 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 76384

Ion	Ratio	Lower	Upper
105	100		
134	20.9	9.8	29.5

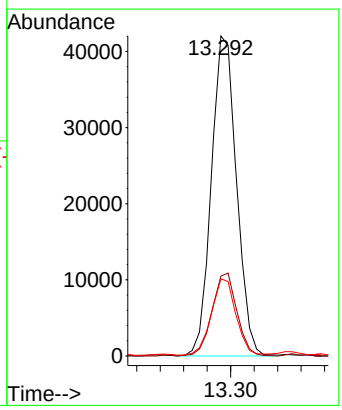


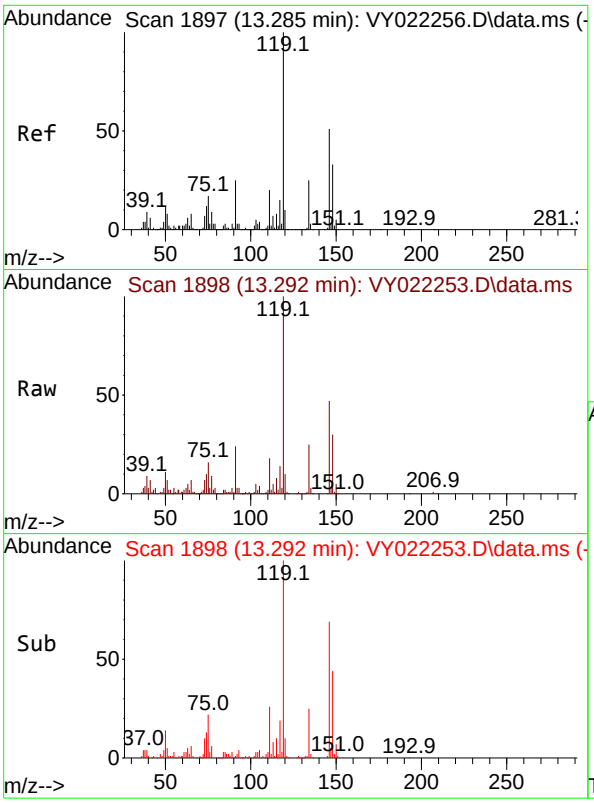


#86
p-Isopropyltoluene
Concen: 4.849 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:119 Resp: 62608

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	23.2	12.1	36.3



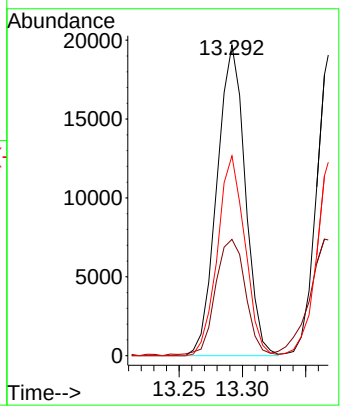


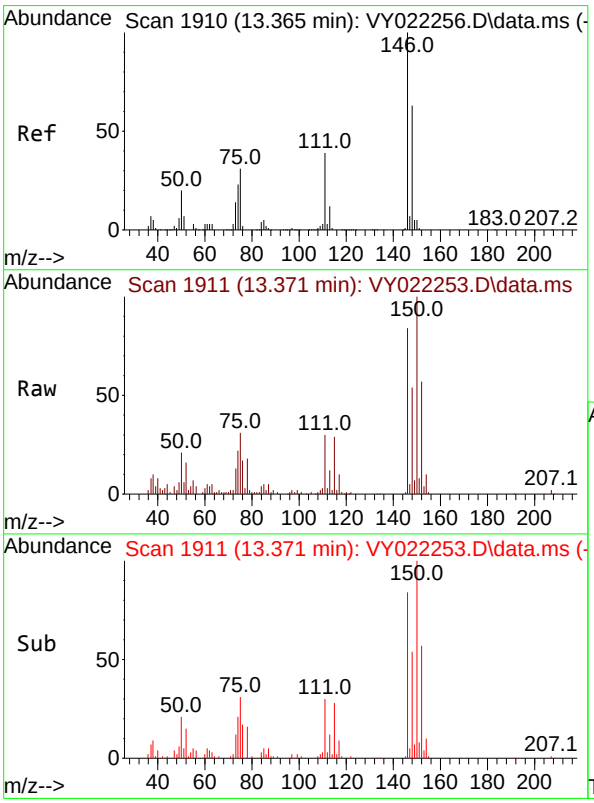
#87
1,3-Dichlorobenzene
Concen: 4.863 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 30564

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	62.5	31.9	95.7

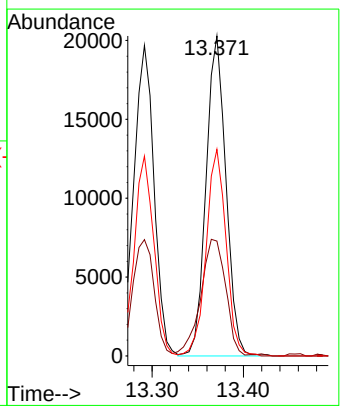


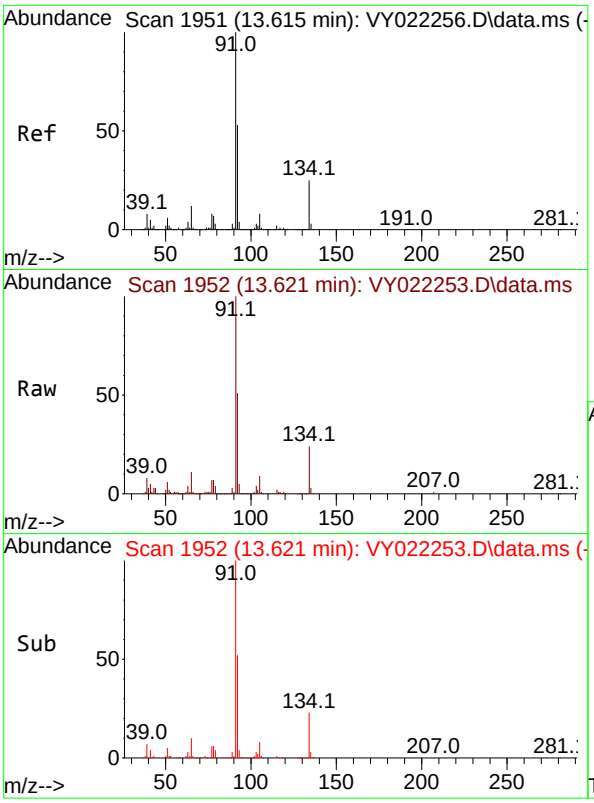


#88
1,4-Dichlorobenzene
Concen: 5.063 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:146 Resp: 30610

Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.0	59.9
148	64.8	32.1	96.5



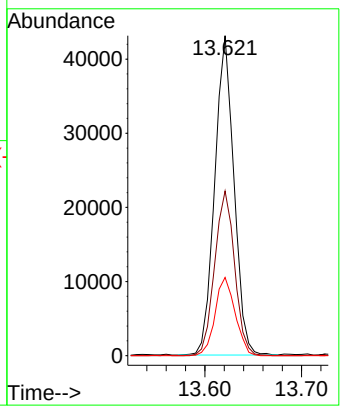


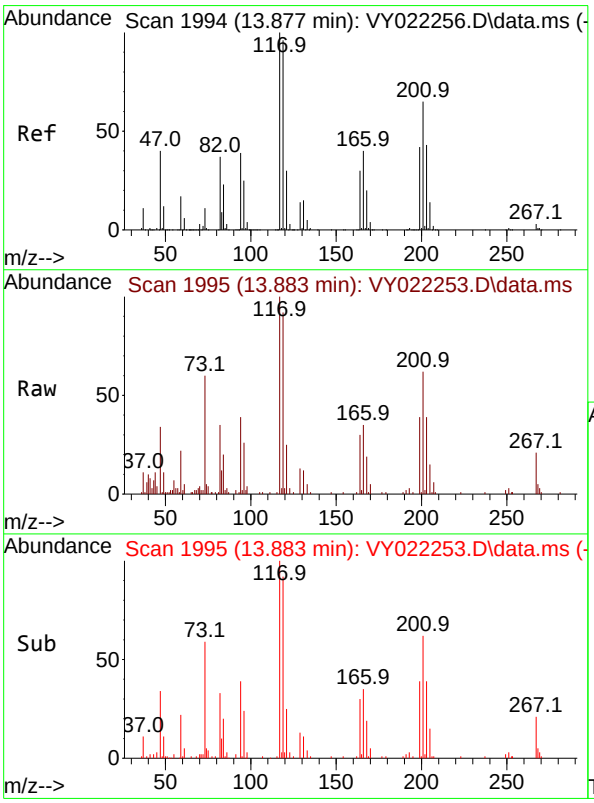
#89
n-Butylbenzene
Concen: 4.869 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 59485

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	25.6	12.4	37.4

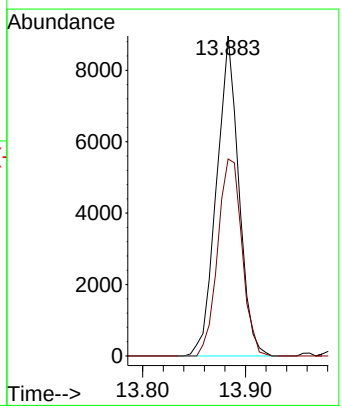


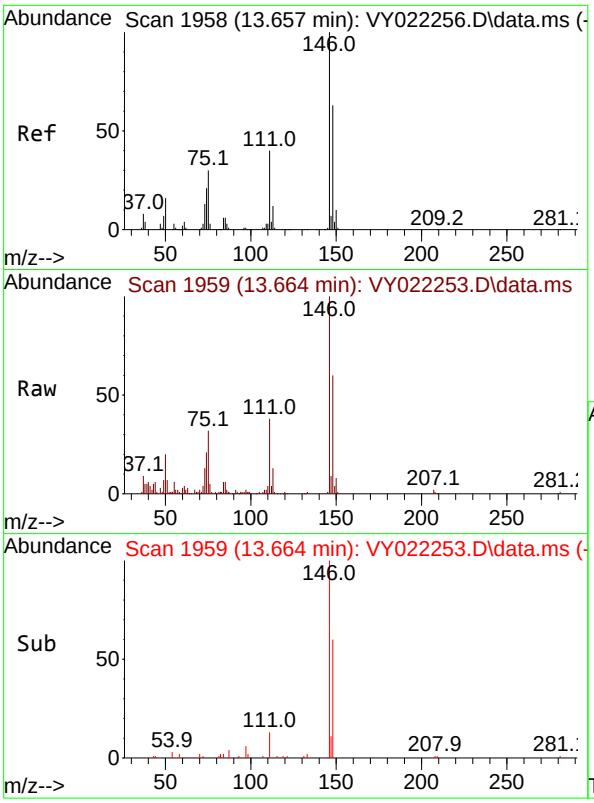


#90
Hexachloroethane
Concen: 5.158 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 13445

Ion	Ratio	Lower	Upper
117	100		
201	67.2	35.2	105.6



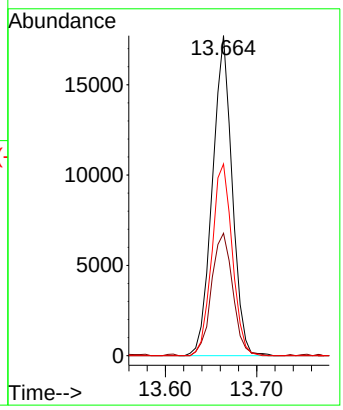


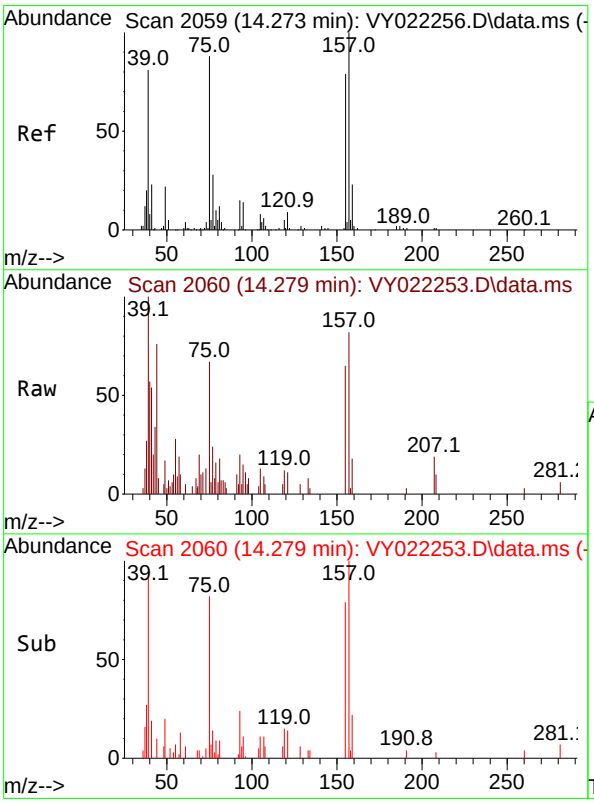
#91
1,2-Dichlorobenzene
Concen: 5.030 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 26556

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.5
148	61.8	32.0	96.0

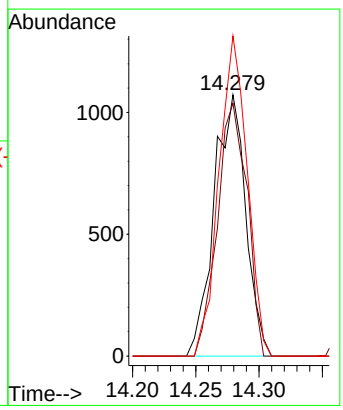


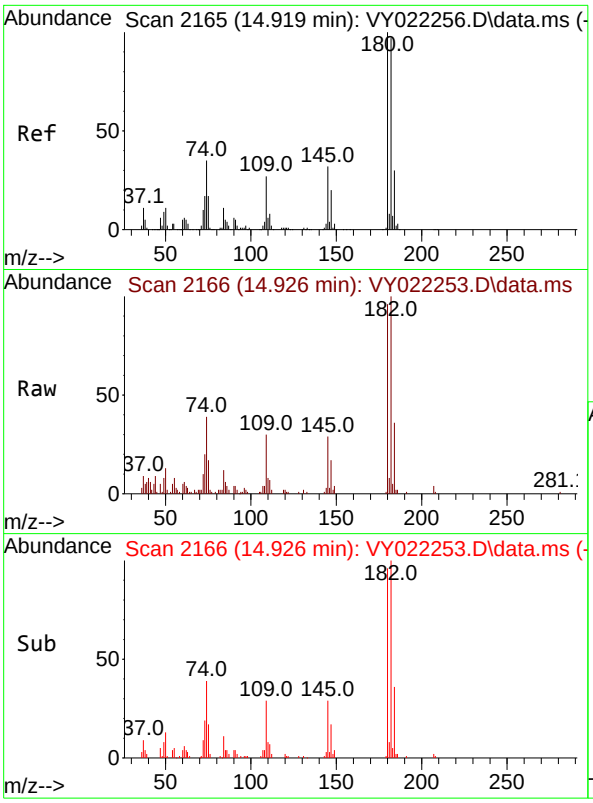


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.217 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 1865

Ion	Ratio	Lower	Upper
75	100		
155	90.8	43.4	130.1
157	109.4	54.6	163.9



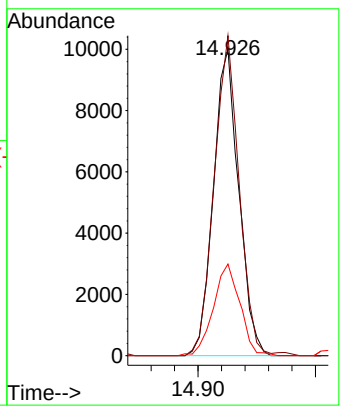


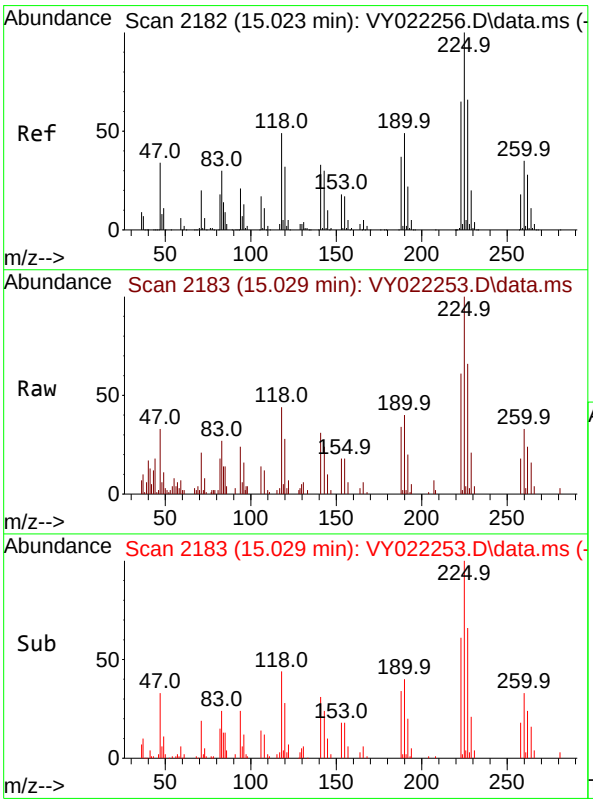
#93
1,2,4-Trichlorobenzene
Concen: 4.906 ug/l
RT: 14.926 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 14961

Ion	Ratio	Lower	Upper
180	100		
182	103.3	48.0	144.0
145	31.4	15.0	45.1

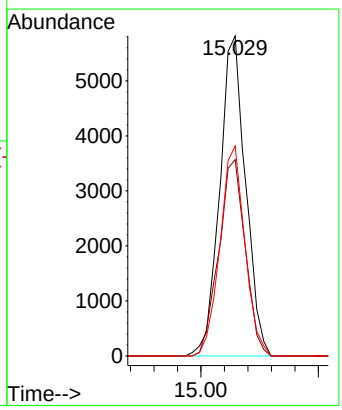


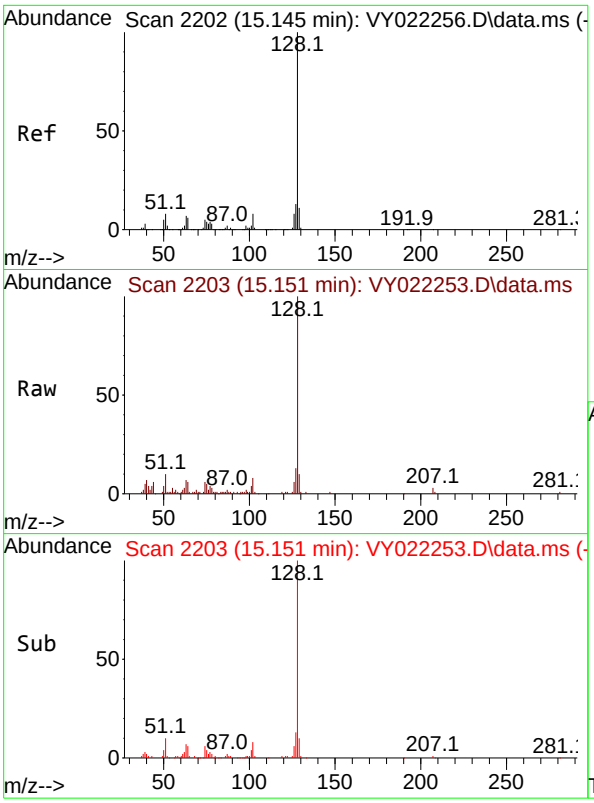


#94
Hexachlorobutadiene
Concen: 5.226 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:225 Resp: 8887

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.3	32.1	96.3



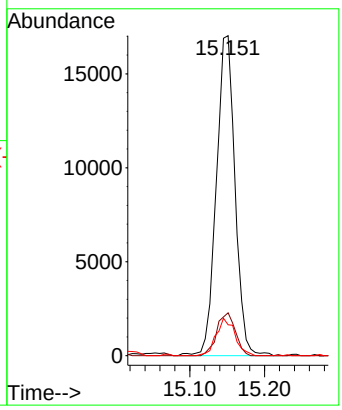


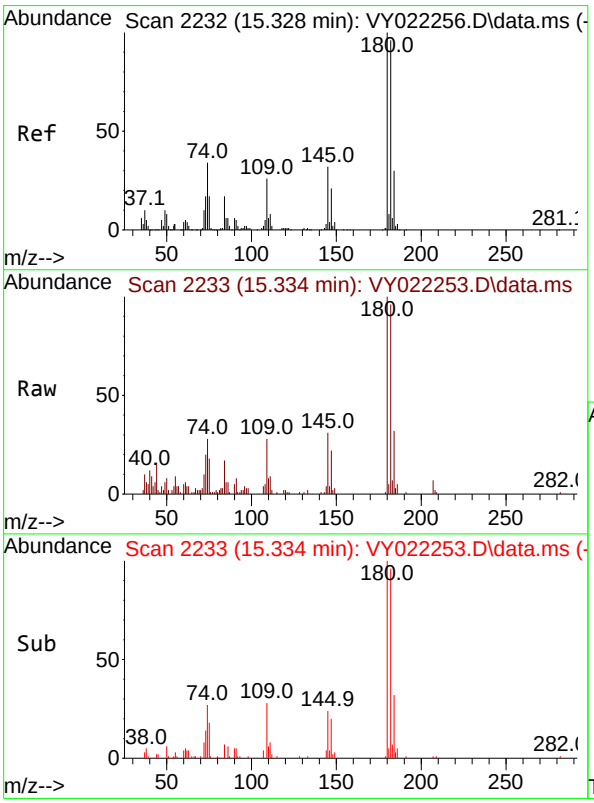
#95
Naphthalene
Concen: 5.124 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 29654

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.7	8.8	13.2

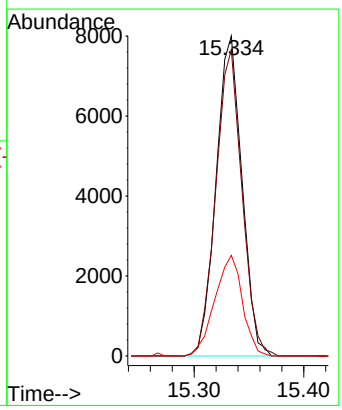




#96
1,2,3-Trichlorobenzene
Concen: 5.063 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:180 Resp: 13097

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.1	141.3
145	33.7	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	265034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	171972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	29608	10.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.440%#		
35) Dibromofluoromethane	7.634	113	26242	9.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.720%#		
50) Toluene-d8	10.109	98	107048	9.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.640%#		
62) 4-Bromofluorobenzene	12.408	95	34423	9.959	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.920%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	31097	11.245	ug/l	99
3) Chloromethane	2.068	50	65589	11.275	ug/l	98
4) Vinyl Chloride	2.202	62	69800	10.739	ug/l	95
5) Bromomethane	2.592	94	54773	10.352	ug/l	99
6) Chloroethane	2.732	64	43122	10.665	ug/l	99
7) Trichlorofluoromethane	3.056	101	68501	10.410	ug/l	99
8) Diethyl Ether	3.458	74	16945	10.730	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	30591	10.708	ug/l	99
10) Methyl Iodide	4.007	142	31088	9.402	ug/l	97
11) Tert butyl alcohol	4.878	59	12043	54.446	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	28831	10.170	ug/l	95
13) Acrolein	3.659	56	17927	55.439	ug/l	96
14) Allyl chloride	4.378	41	51275	10.315	ug/l	99
15) Acrylonitrile	5.061	53	33277	51.139	ug/l	100
16) Acetone	3.879	43	30229	55.657	ug/l	100
17) Carbon Disulfide	4.104	76	96591	10.448	ug/l	97
18) Methyl Acetate	4.385	43	16338	9.886	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	80714	10.326	ug/l	96
20) Methylene Chloride	4.622	84	42991	12.250	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	32258	10.309	ug/l	98
22) Diisopropyl ether	6.018	45	106493	10.145	ug/l	94
23) Vinyl Acetate	5.964	43	324651	51.192	ug/l	100
24) 1,1-Dichloroethane	5.915	63	60198	10.265	ug/l	97
25) 2-Butanone	6.896	43	48022	52.859	ug/l	98
26) 2,2-Dichloropropane	6.890	77	54264	10.403	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	36403	10.081	ug/l	98
28) Bromochloromethane	7.244	49	25664	10.259	ug/l	98
29) Tetrahydrofuran	7.274	42	30684	52.498	ug/l	98
30) Chloroform	7.421	83	57172	10.163	ug/l	100
31) Cyclohexane	7.701	56	63155	10.778	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	52856	10.242	ug/l	99
36) 1,1-Dichloropropene	7.835	75	44817	10.219	ug/l	97
37) Ethyl Acetate	6.994	43	20624	9.774	ug/l	97
38) Carbon Tetrachloride	7.817	117	46772	10.303	ug/l	97
39) Methylcyclohexane	9.109	83	60489	10.266	ug/l	98
40) Benzene	8.079	78	130423	10.032	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	11895	7.704	ug/l	#	85
42) 1,2-Dichloroethane	8.158	62	35565	10.115	ug/l		100
43) Isopropyl Acetate	8.201	43	47020	10.217	ug/l		98
44) Trichloroethene	8.865	130	32655	10.101	ug/l		99
45) 1,2-Dichloropropane	9.140	63	32172	10.264	ug/l		93
46) Dibromomethane	9.231	93	17134	10.135	ug/l		99
47) Bromodichloromethane	9.426	83	44045	10.042	ug/l		96
48) Methyl methacrylate	9.225	41	21202	9.851	ug/l		98
49) 1,4-Dioxane	9.231	88	3930	205.769	ug/l	#	75
51) 4-Methyl-2-Pentanone	9.999	43	110396	48.889	ug/l		100
52) Toluene	10.170	92	82453	10.015	ug/l		96
53) t-1,3-Dichloropropene	10.396	75	42158	9.849	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	48923	9.976	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	21720	10.033	ug/l		97
56) Ethyl methacrylate	10.438	69	32286	9.574	ug/l		98
57) 1,3-Dichloropropane	10.719	76	38908	10.115	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	66700	44.066	ug/l		100
59) 2-Hexanone	10.761	43	74432	49.162	ug/l		99
60) Dibromochloromethane	10.914	129	28002	9.965	ug/l		99
61) 1,2-Dibromoethane	11.018	107	20378	10.099	ug/l		99
64) Tetrachloroethene	10.646	164	36274	10.404	ug/l		99
65) Chlorobenzene	11.444	112	83730	9.839	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	28441	9.721	ug/l		97
67) Ethyl Benzene	11.517	91	154155	9.672	ug/l		97
68) m/p-Xylenes	11.627	106	116113	19.334	ug/l		99
69) o-Xylene	11.956	106	55896	9.837	ug/l		96
70) Styrene	11.969	104	91569	9.553	ug/l		99
71) Bromoform	12.133	173	16151	10.228	ug/l	#	95
73) Isopropylbenzene	12.255	105	144186	10.120	ug/l		99
74) N-amyl acetate	12.072	43	40345	9.901	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	22243	10.152	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	33075	10.913	ug/l	#	100
77) Bromobenzene	12.536	156	30445	10.005	ug/l		99
78) n-propylbenzene	12.597	91	173575	10.101	ug/l		100
79) 2-Chlorotoluene	12.682	91	95815	10.146	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	116461	10.126	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	8934	10.388	ug/l		94
82) 4-Chlorotoluene	12.779	91	97309	10.018	ug/l		99
83) tert-Butylbenzene	12.999	119	102274	10.005	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	115175	10.088	ug/l		99
85) sec-Butylbenzene	13.176	105	153443	10.112	ug/l		100
86) p-Isopropyltoluene	13.291	119	124147	9.728	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	61011	9.822	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	60723	10.163	ug/l		97
89) n-Butylbenzene	13.621	91	120371	9.970	ug/l		99
90) Hexachloroethane	13.883	117	26089	10.127	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	52282	10.020	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3588	10.155	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	29073	9.646	ug/l		99
94) Hexachlorobutadiene	15.023	225	16686	9.927	ug/l		98
95) Naphthalene	15.145	128	54307	9.495	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	24790	9.696	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

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

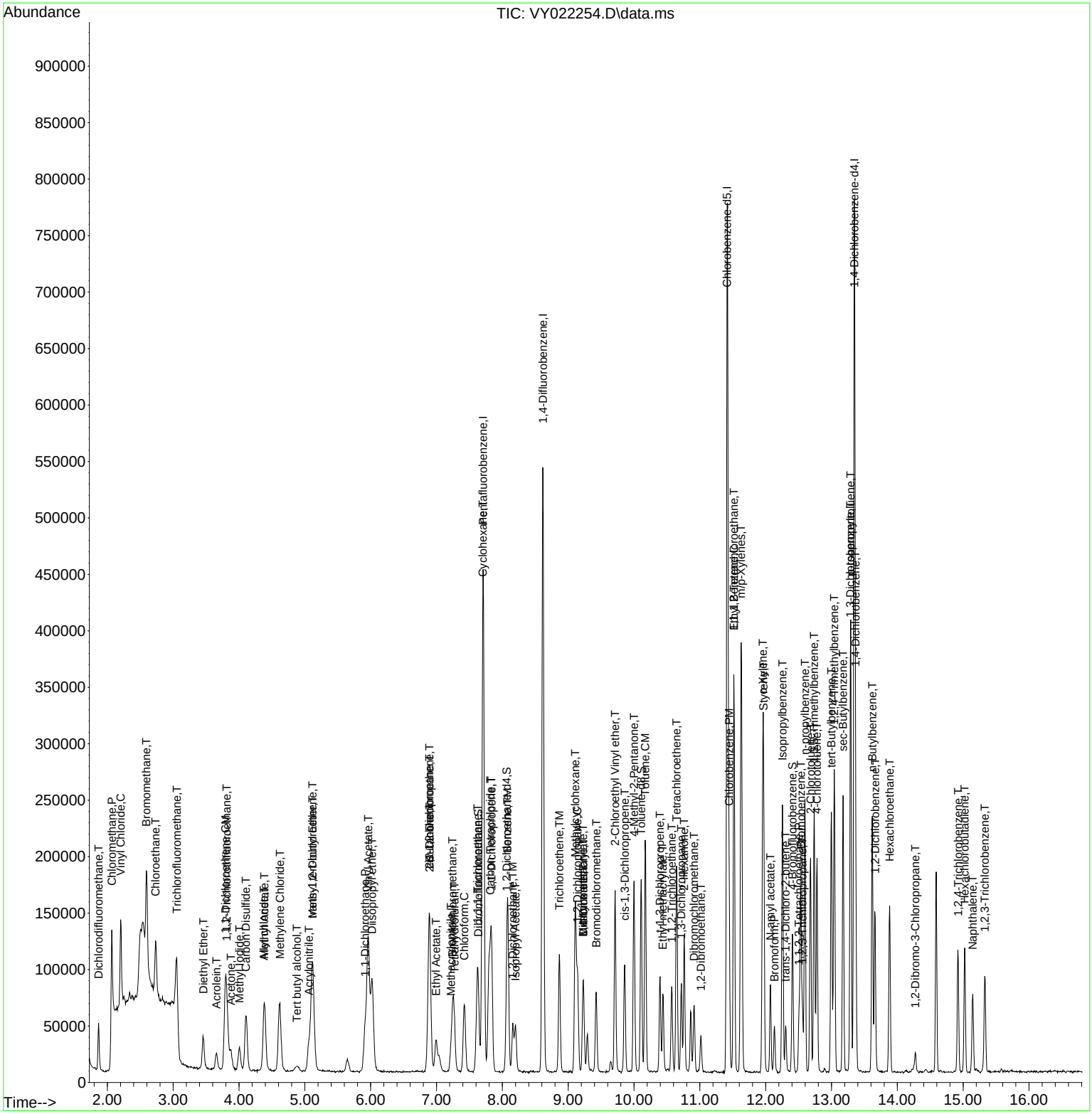
(#) = qualifier out of range (m) = manual integration (+) = signals summed

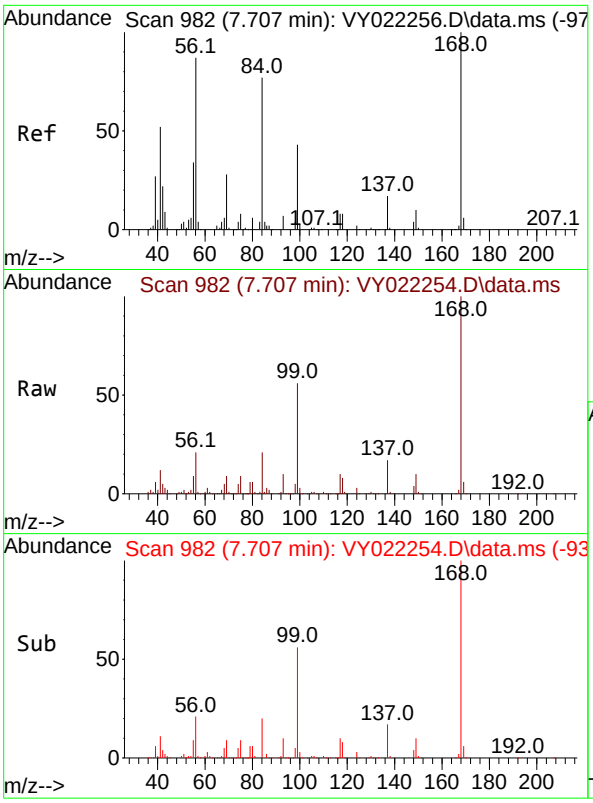
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration



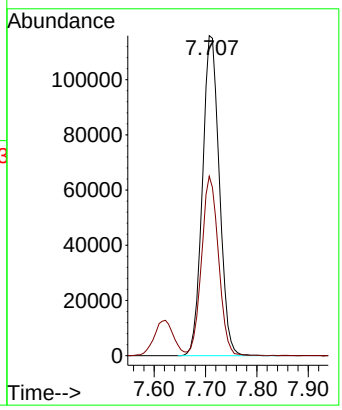


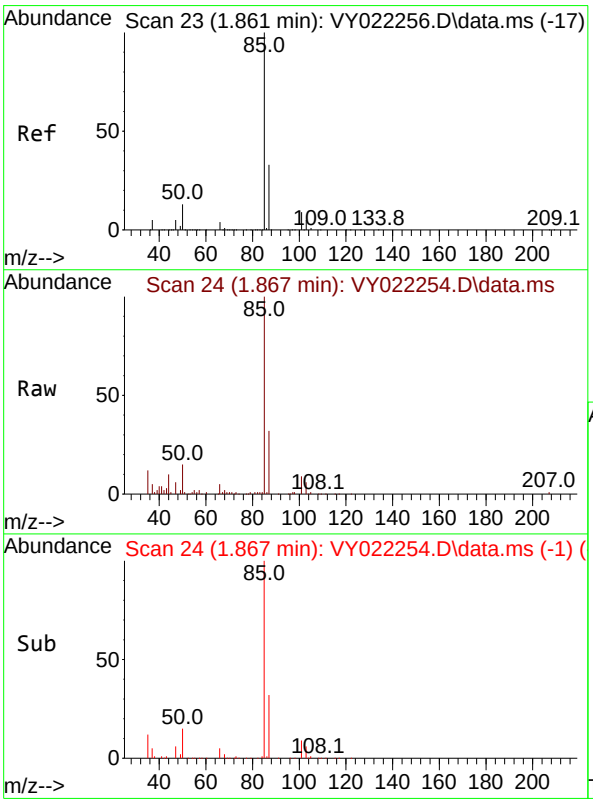
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 265034

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.2	66.4

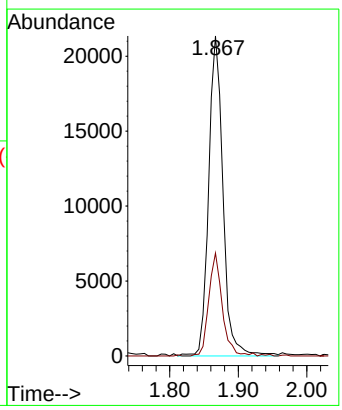


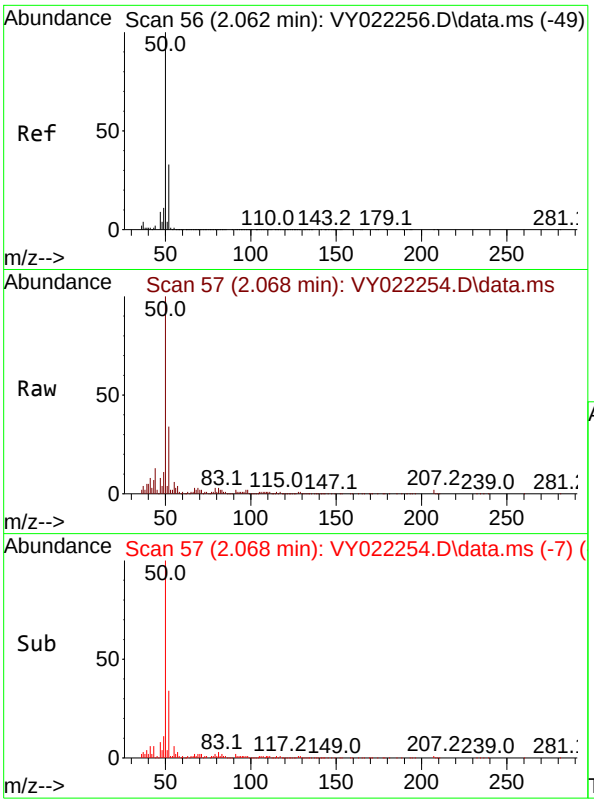


#2
Dichlorodifluoromethane
Concen: 11.245 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 85 Resp: 31097

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.5	49.5



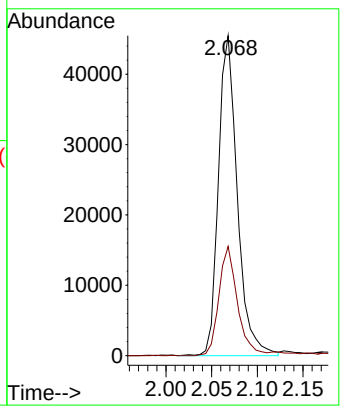


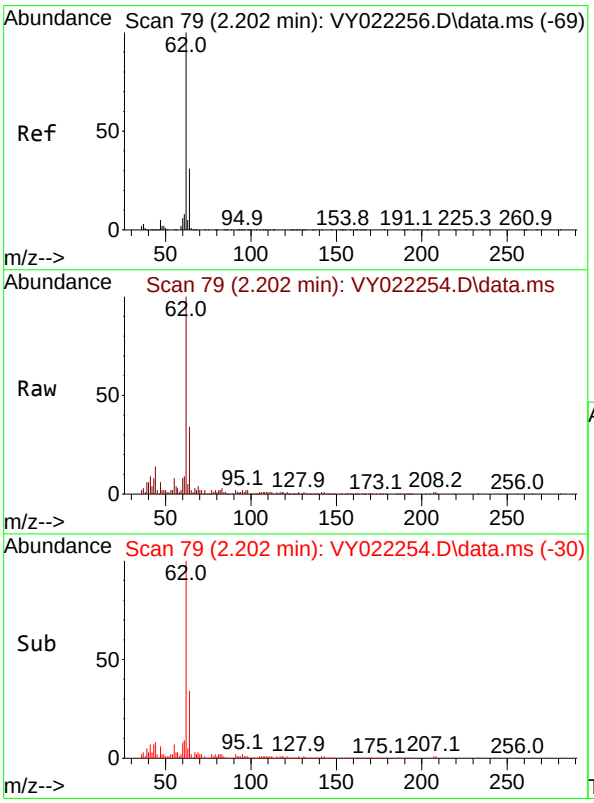
#3
Chloromethane
Concen: 11.275 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 65589

Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.5	39.7

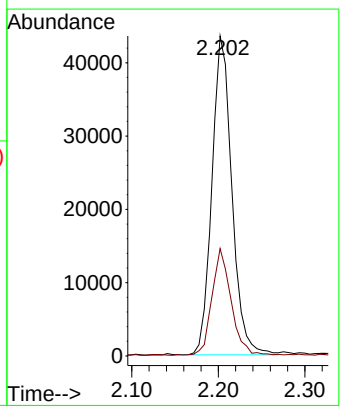


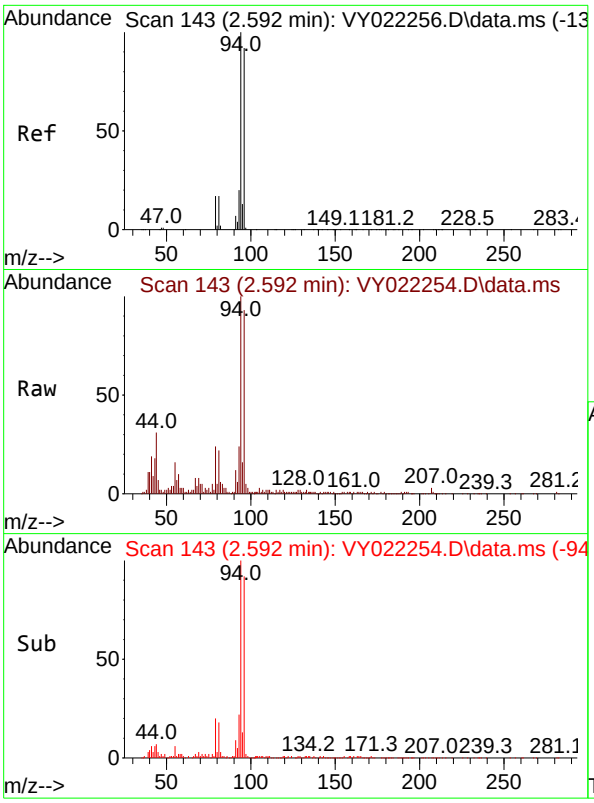


#4
Vinyl Chloride
Concen: 10.739 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 69800

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.5	36.7



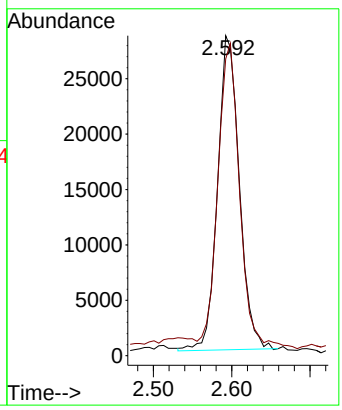


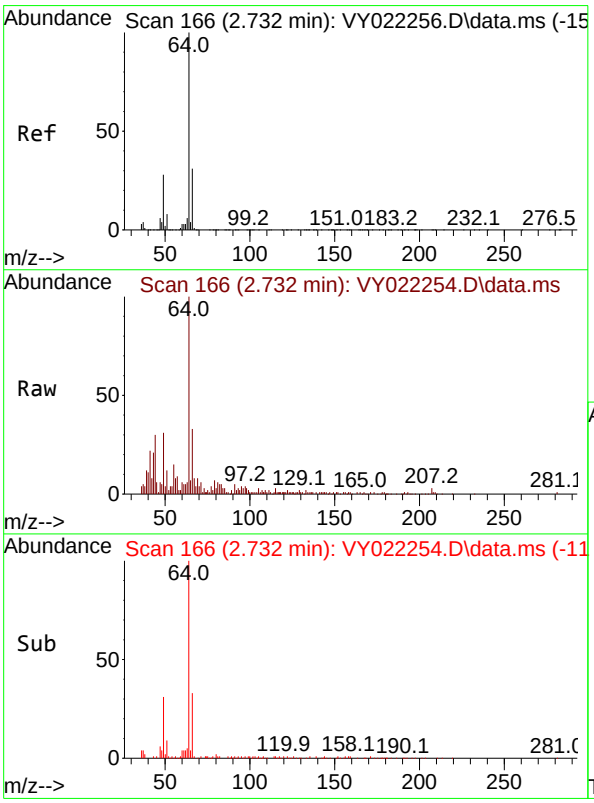
#5
Bromomethane
Concen: 10.352 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 54773

Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.4	110.0

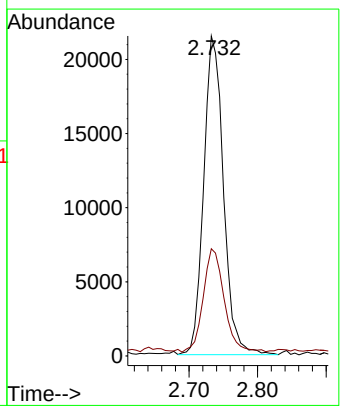


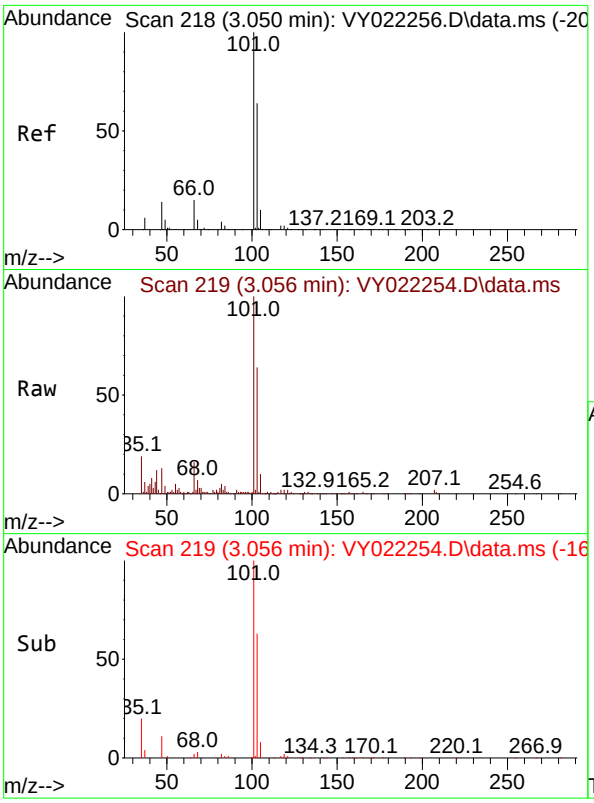


#6
Chloroethane
Concen: 10.665 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 64 Resp: 43122

Ion	Ratio	Lower	Upper
64	100		
66	31.6	24.8	37.2



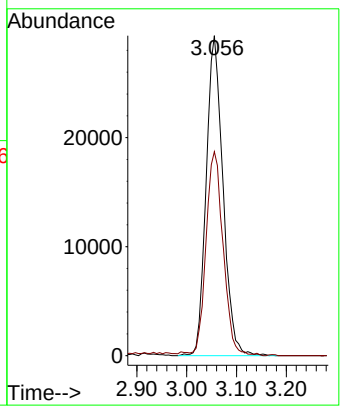


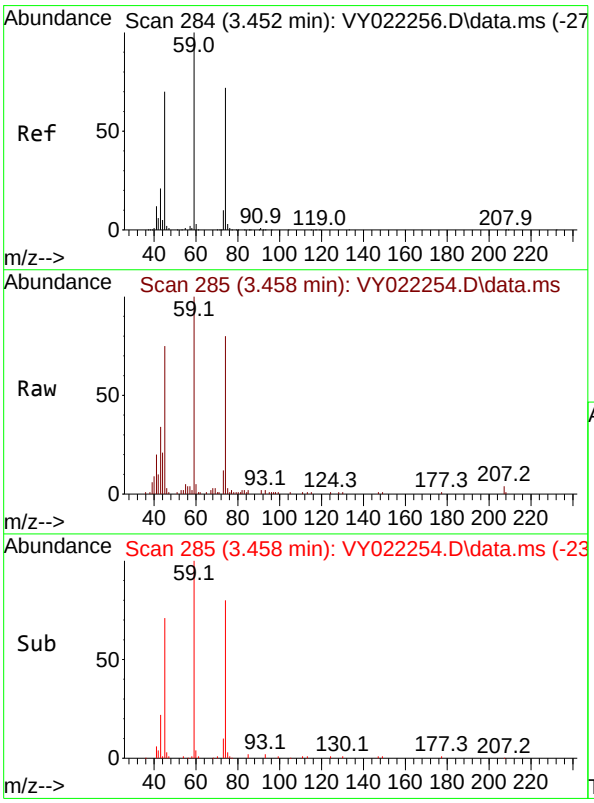
#7
Trichlorofluoromethane
Concen: 10.410 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 68501

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.7	77.5

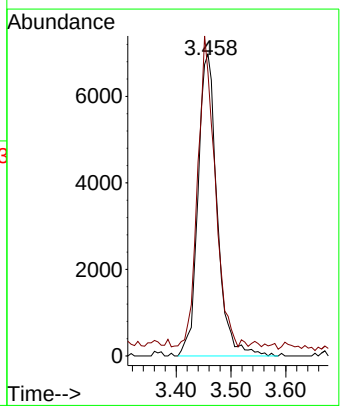


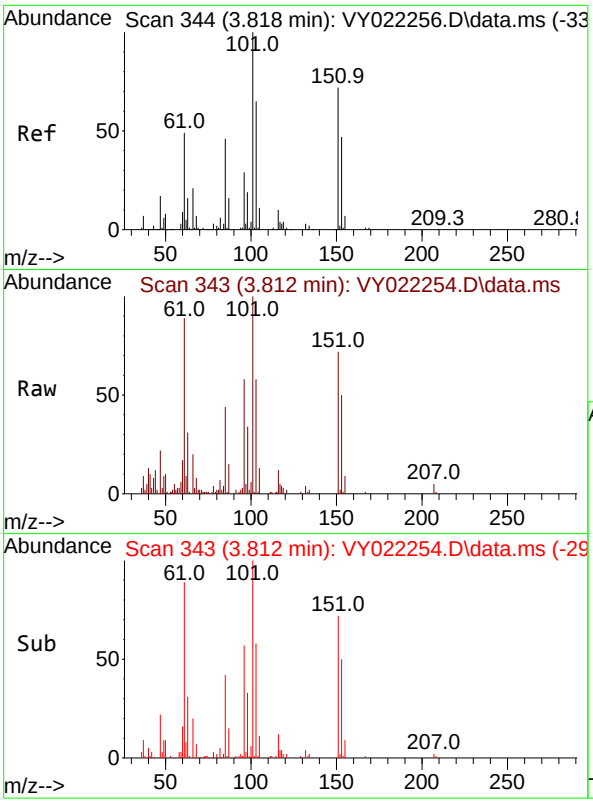


#8
Diethyl Ether
Concen: 10.730 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 74 Resp: 16945

Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.6	145.8



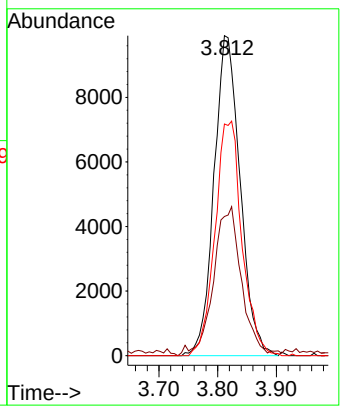


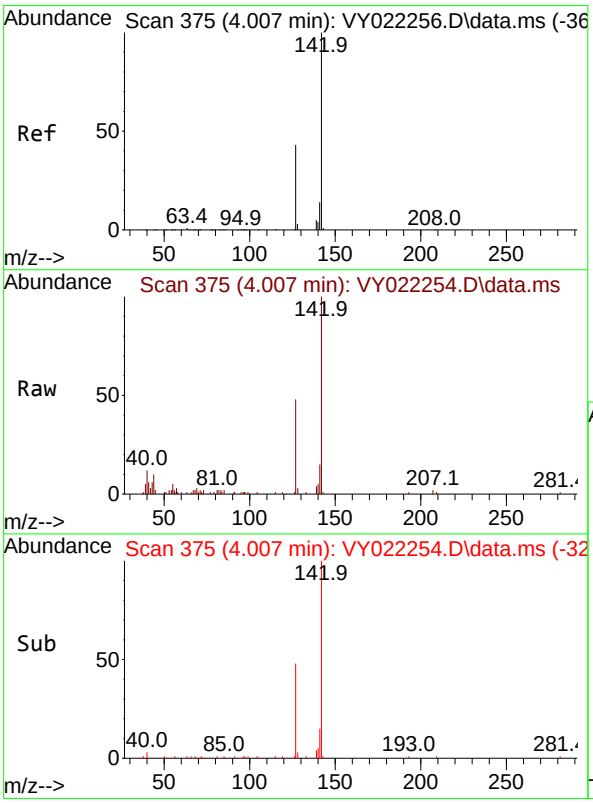
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.708 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 30591

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.6	58.0
151	75.6	59.7	89.5

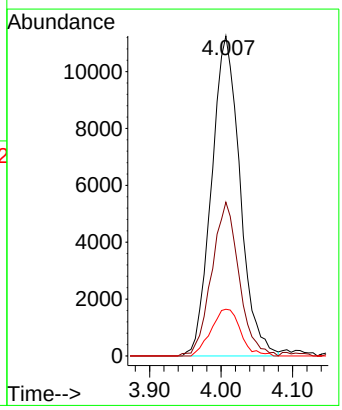


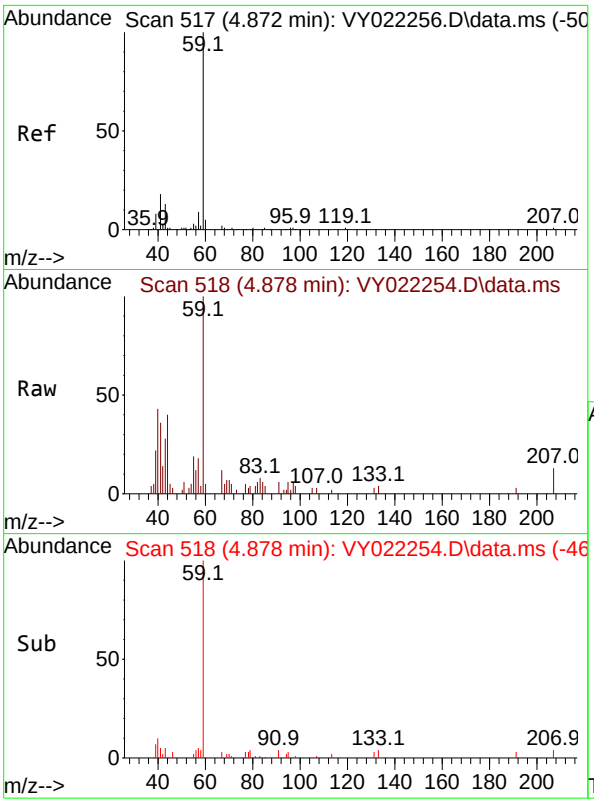


#10
Methyl Iodide
Concen: 9.402 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:142 Resp: 31088

Ion	Ratio	Lower	Upper
142	100		
127	46.2	35.7	53.5
141	15.1	11.1	16.7



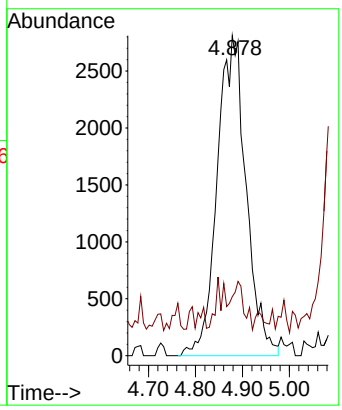


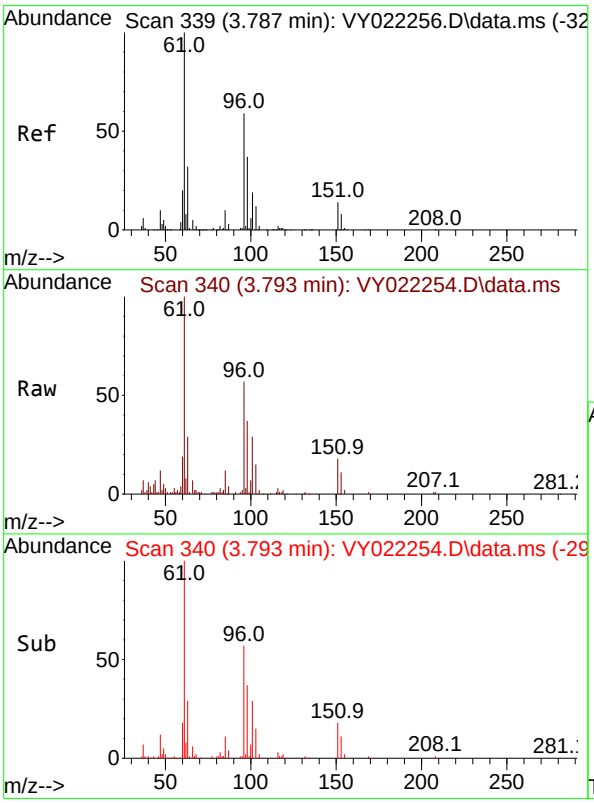
#11
Tert butyl alcohol
Concen: 54.446 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 12043

Ion	Ratio	Lower	Upper
59	100		
57	5.7	0.0	0.0#

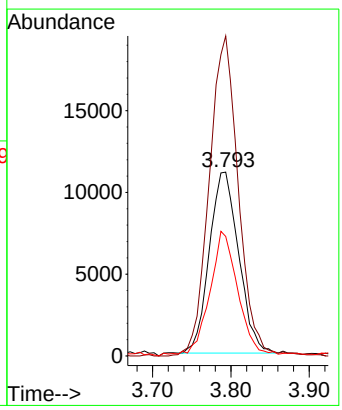


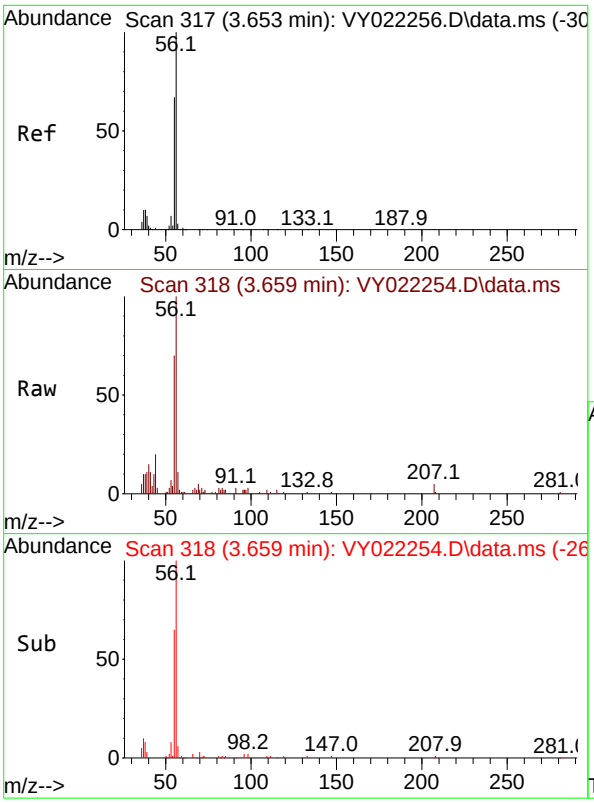


#12
1,1-Dichloroethene
Concen: 10.170 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 28831

Ion	Ratio	Lower	Upper
96	100		
61	176.2	134.9	202.3
98	65.1	49.9	74.9



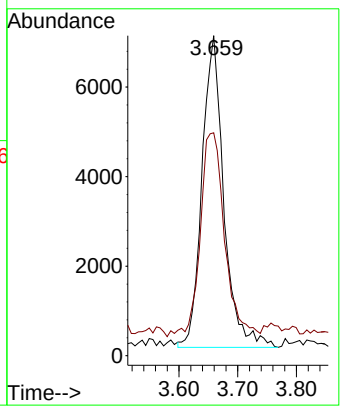


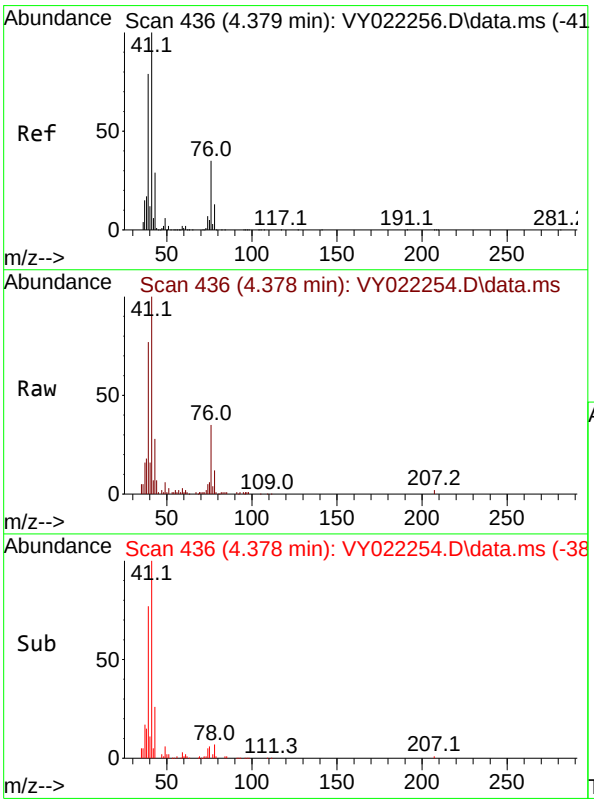
#13
Acrolein
Concen: 55.439 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 17927

Ion	Ratio	Lower	Upper
56	100		
55	73.0	55.6	83.4

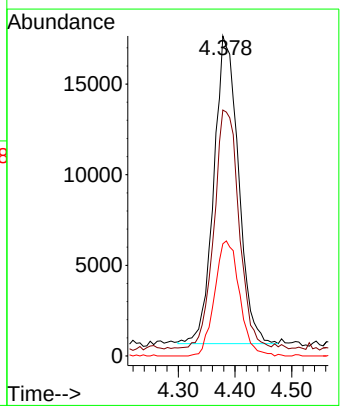


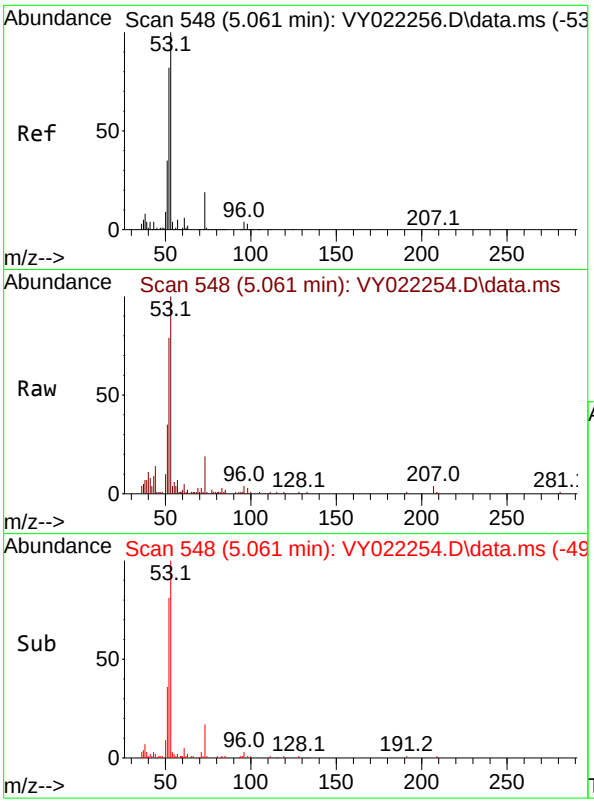


#14
Allyl chloride
Concen: 10.315 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 51275

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	37.8	29.5	44.3



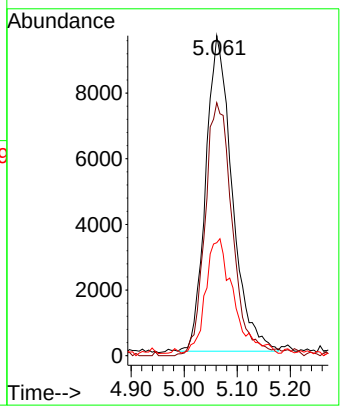


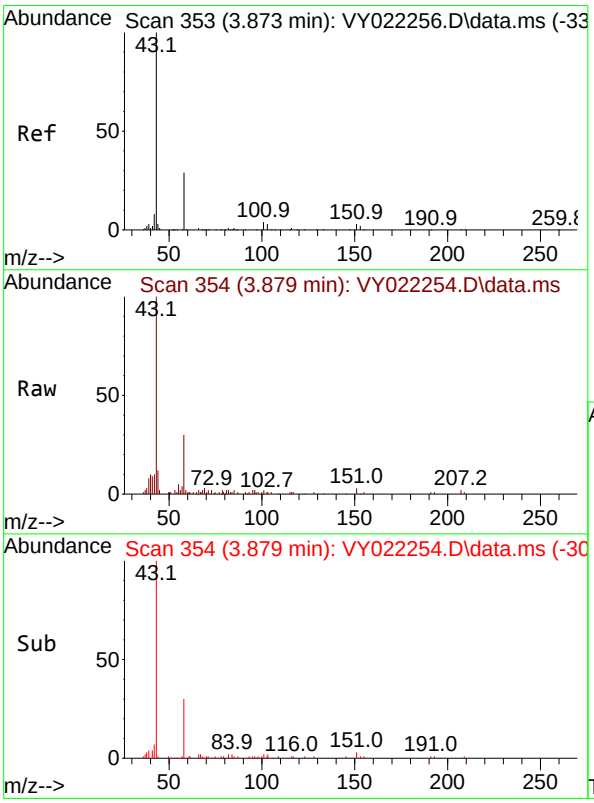
#15
Acrylonitrile
Concen: 51.139 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 33277

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	38.2	30.0	45.0

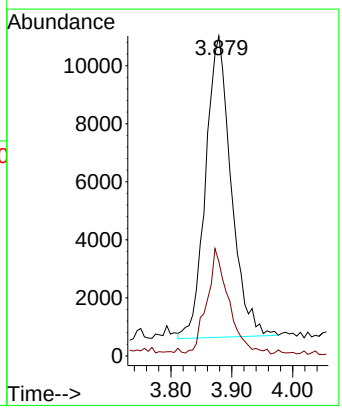


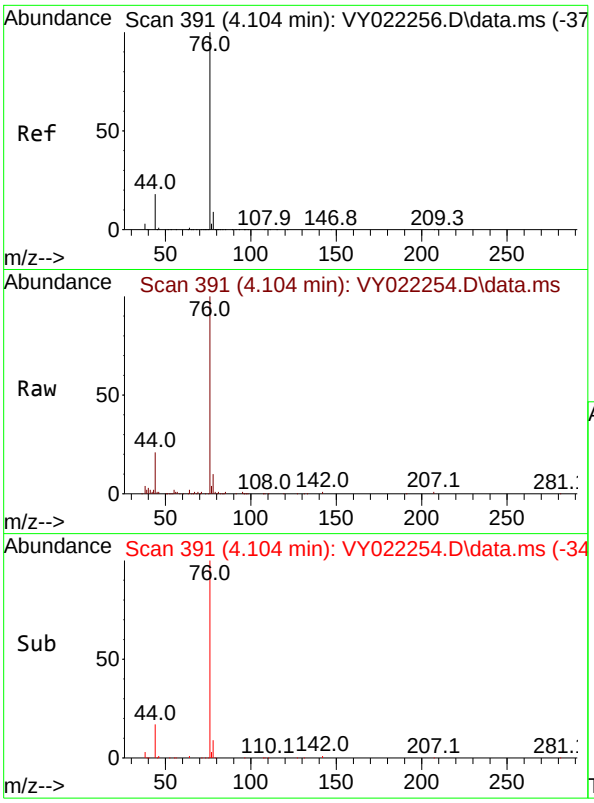


#16
Acetone
Concen: 55.657 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 30229

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4



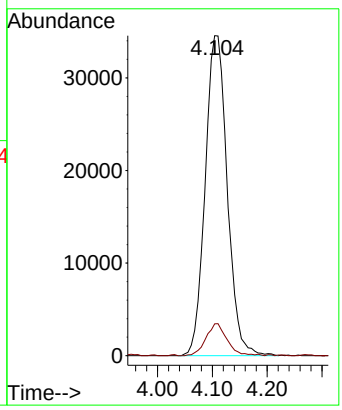


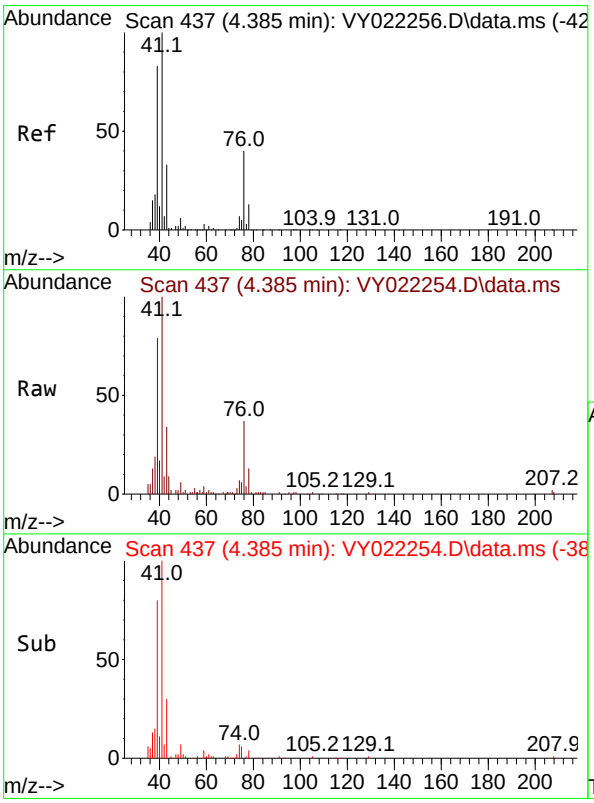
#17
Carbon Disulfide
Concen: 10.448 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 96591

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

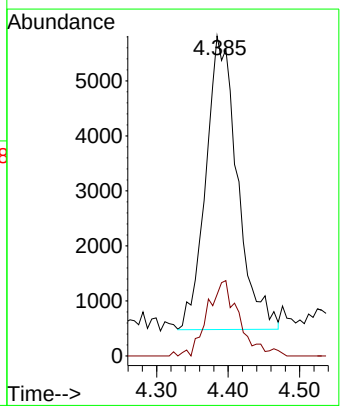


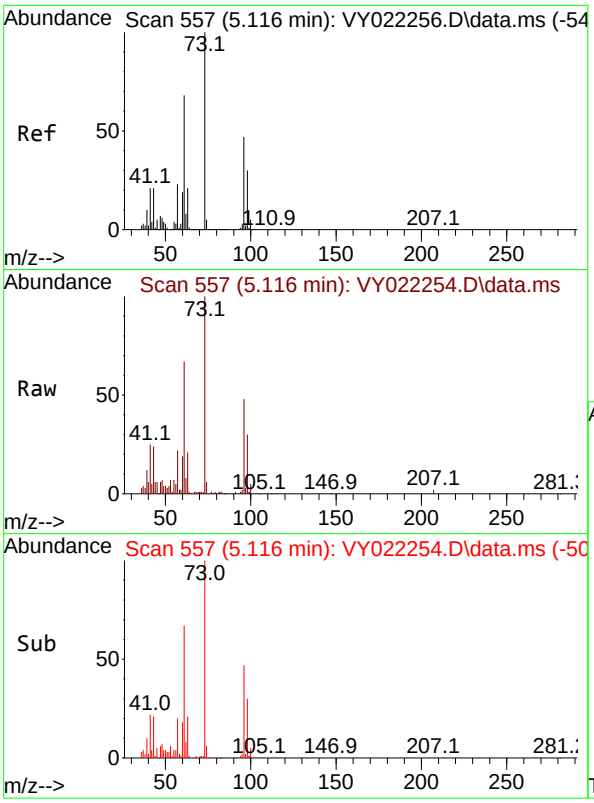


#18
Methyl Acetate
Concen: 9.886 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 16338

Ion	Ratio	Lower	Upper
43	100		
74	25.6	18.2	27.4



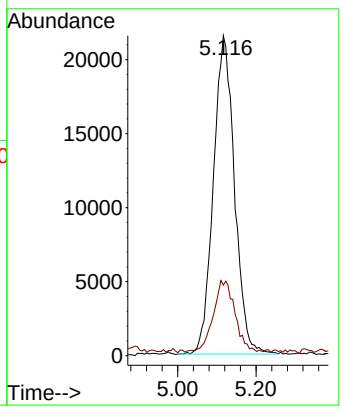


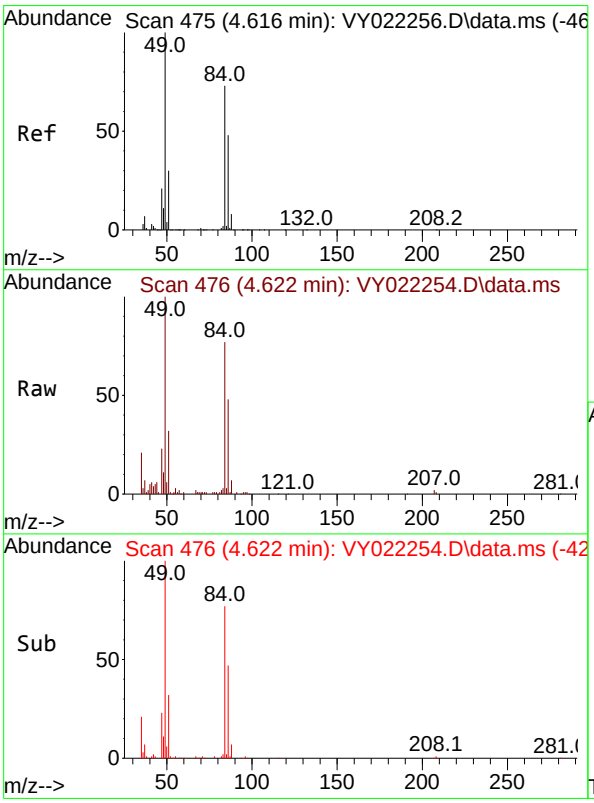
#19
Methyl tert-butyl Ether
Concen: 10.326 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 80714

Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.6	28.0

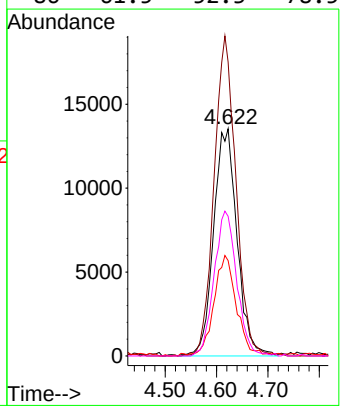


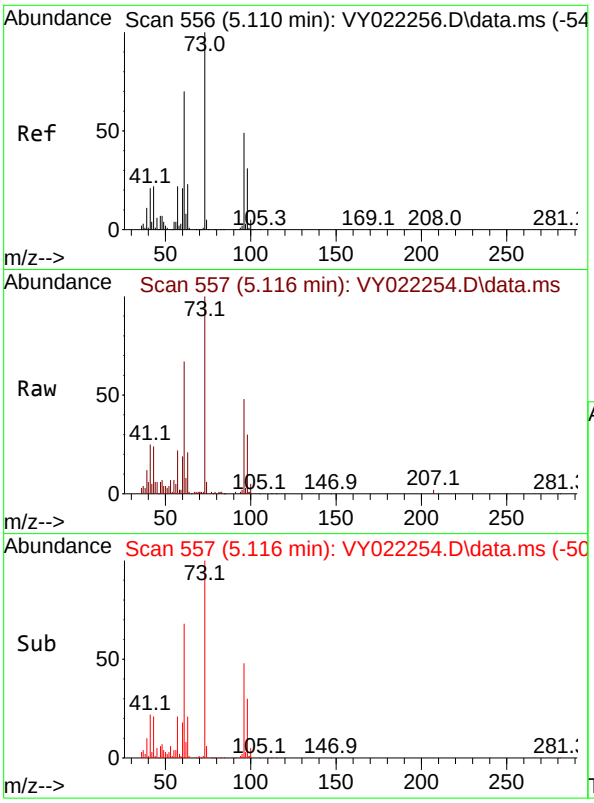


#20
Methylene Chloride
Concen: 12.250 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 84 Resp: 42991

Ion	Ratio	Lower	Upper
84	100		
49	129.4	109.6	164.4
51	42.0	32.4	48.6
86	61.5	52.3	78.5



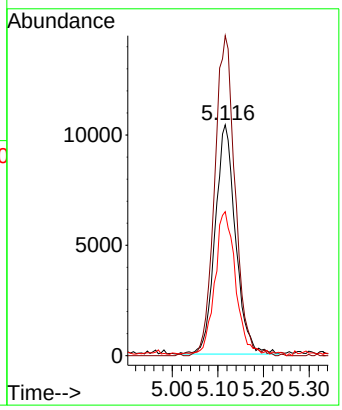


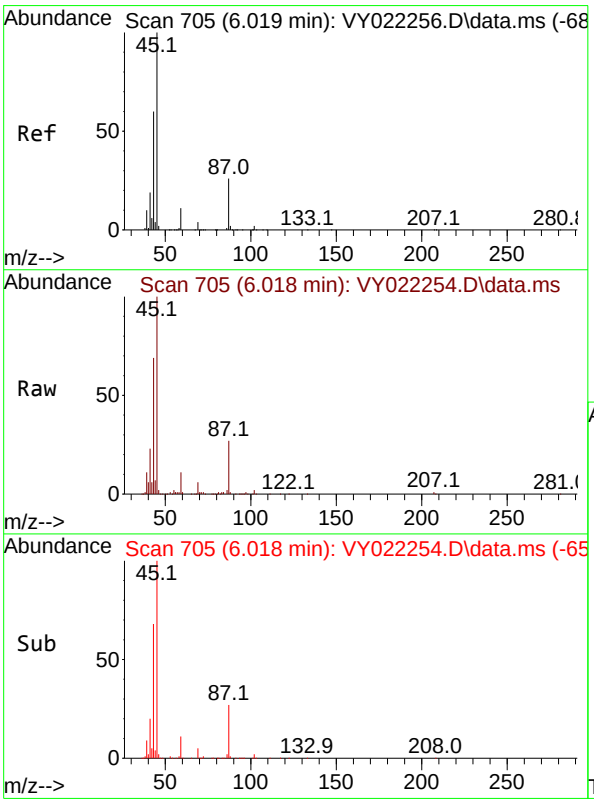
#21
trans-1,2-Dichloroethene
Concen: 10.309 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 32258

Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.4	170.0
98	62.0	50.9	76.3

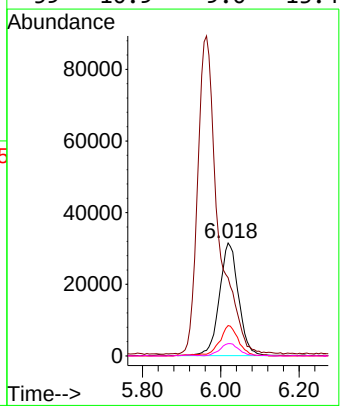


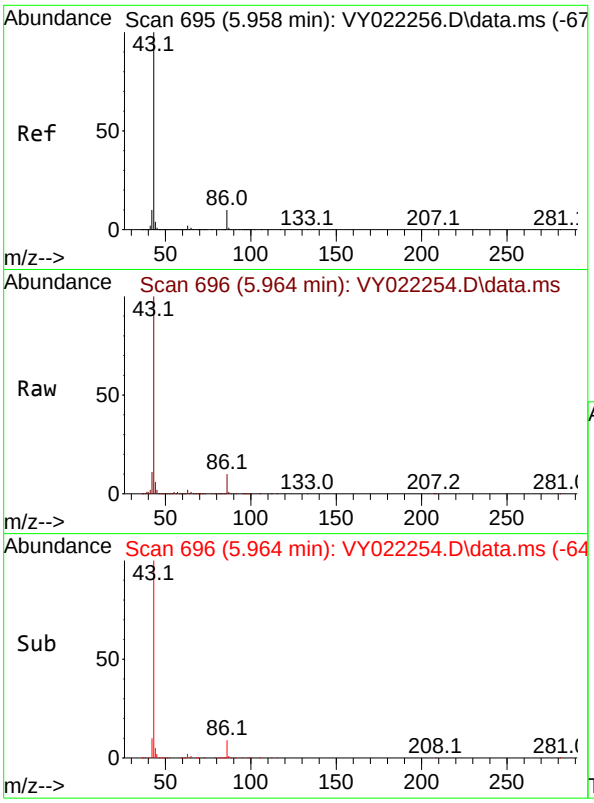


#22
Diisopropyl ether
Concen: 10.145 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 45 Resp: 106493

Ion	Ratio	Lower	Upper
45	100		
43	67.7	48.2	72.2
87	26.8	21.4	32.0
59	10.9	9.0	13.4



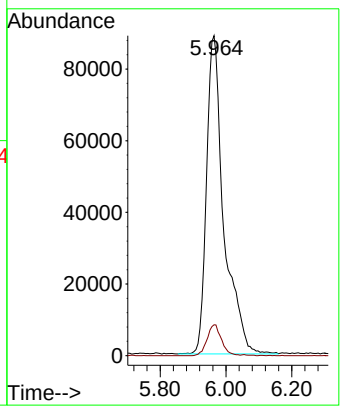


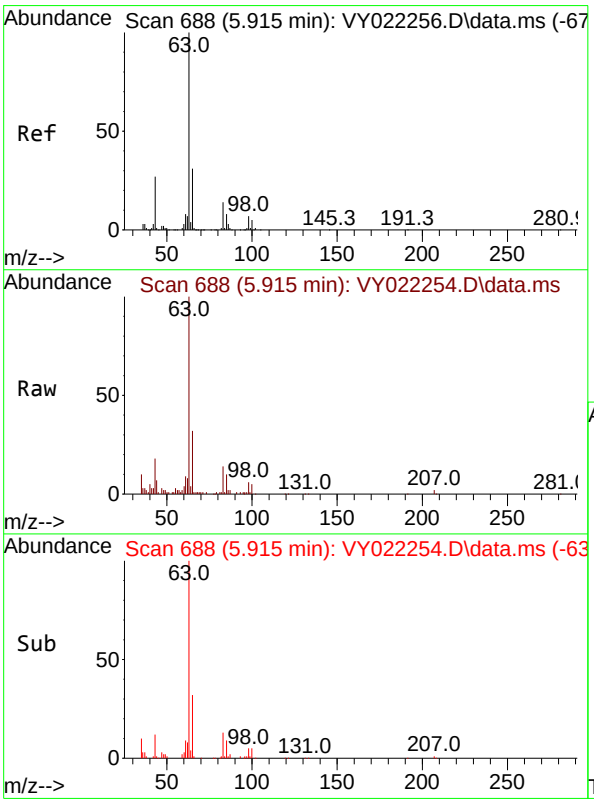
#23
Vinyl Acetate
Concen: 51.192 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 324651

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

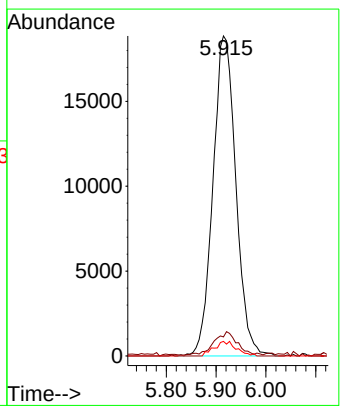


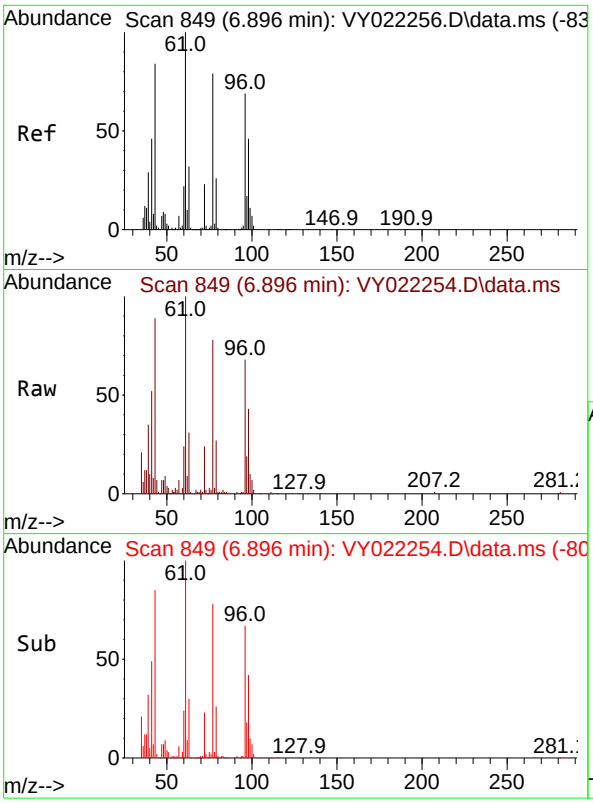


#24
1,1-Dichloroethane
Concen: 10.265 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 60198

Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.5	10.5
100	4.6	2.4	7.2



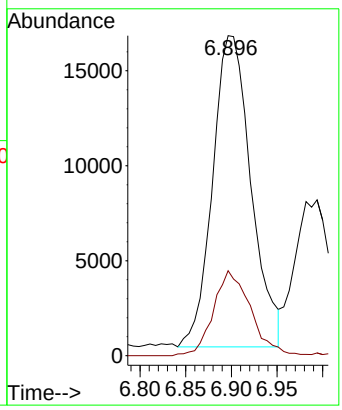


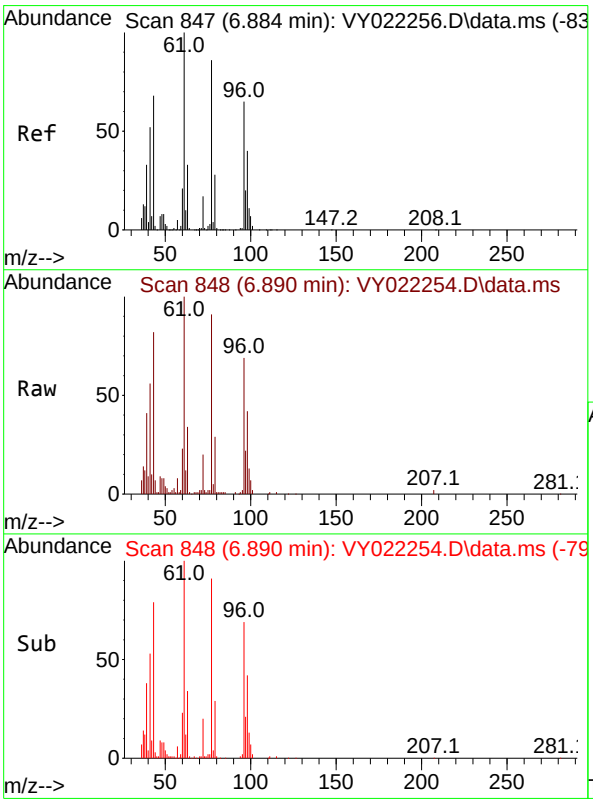
#25
2-Butanone
Concen: 52.859 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 48022

Ion	Ratio	Lower	Upper
43	100		
72	26.7	22.1	33.1

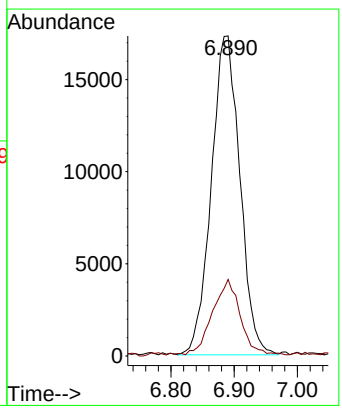


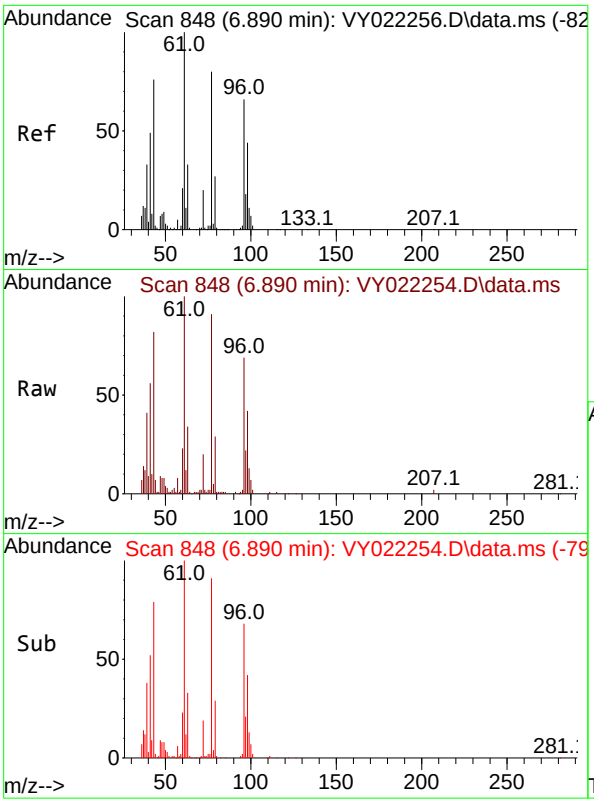


#26
2,2-Dichloropropane
Concen: 10.403 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 77 Resp: 54264

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.2	33.5



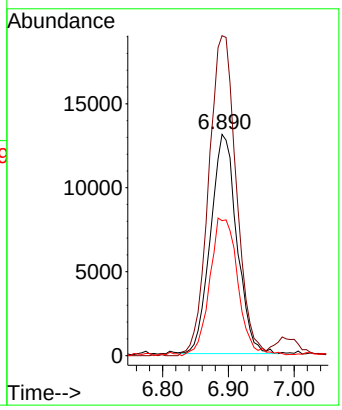


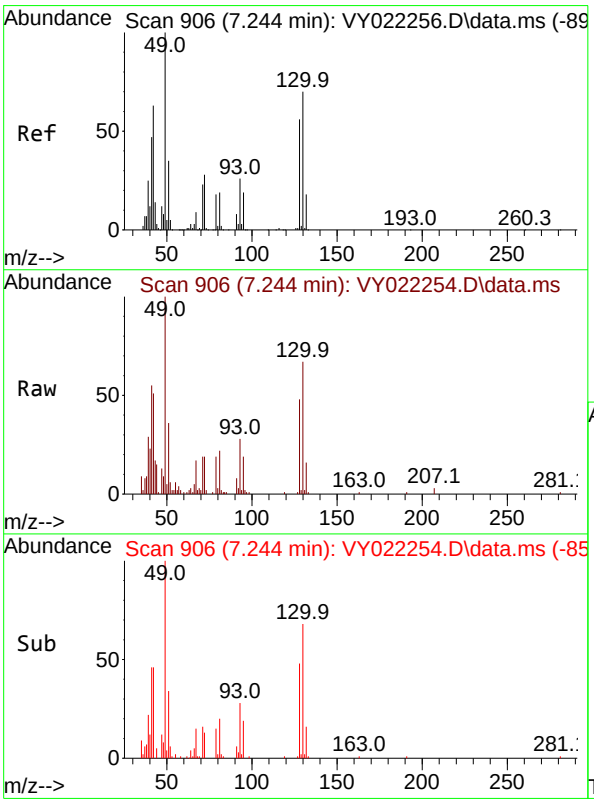
#27
cis-1,2-Dichloroethene
Concen: 10.081 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 36403

Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	302.6
98	67.2	0.0	128.8

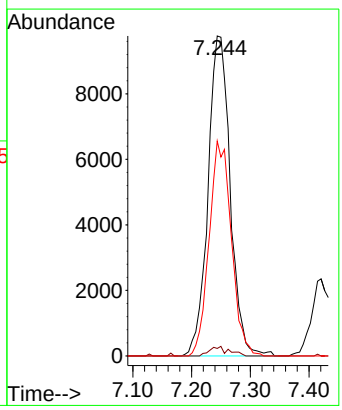


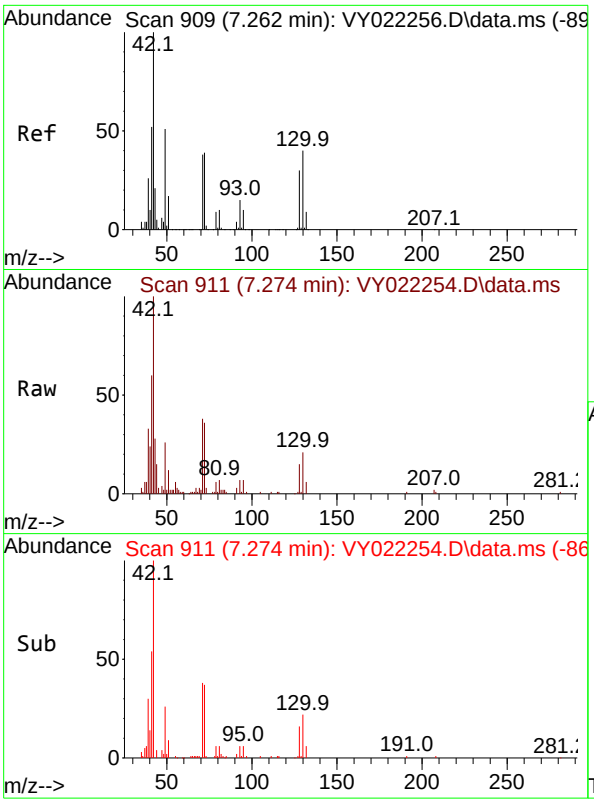


#28
Bromochloromethane
Concen: 10.259 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 49 Resp: 25664

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.6
130	67.2	54.7	82.1



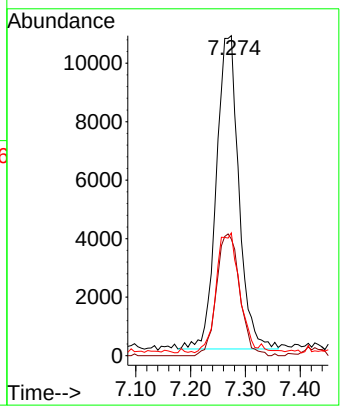


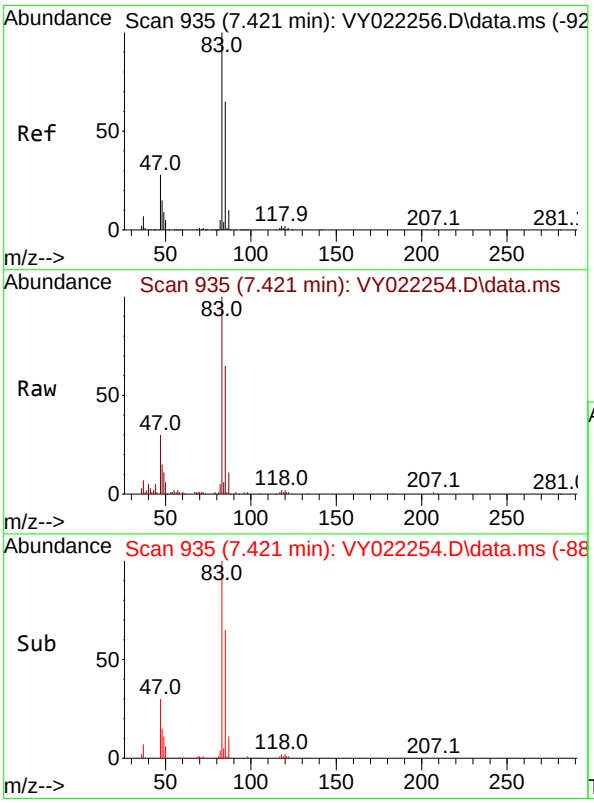
#29
Tetrahydrofuran
Concen: 52.498 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 30684

Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.8	50.6
71	39.0	31.5	47.3

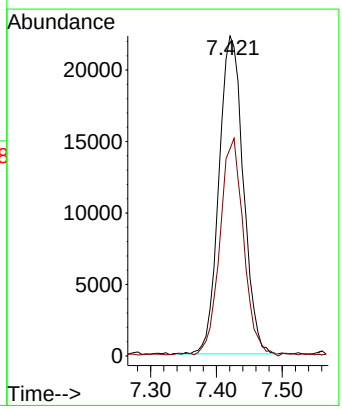


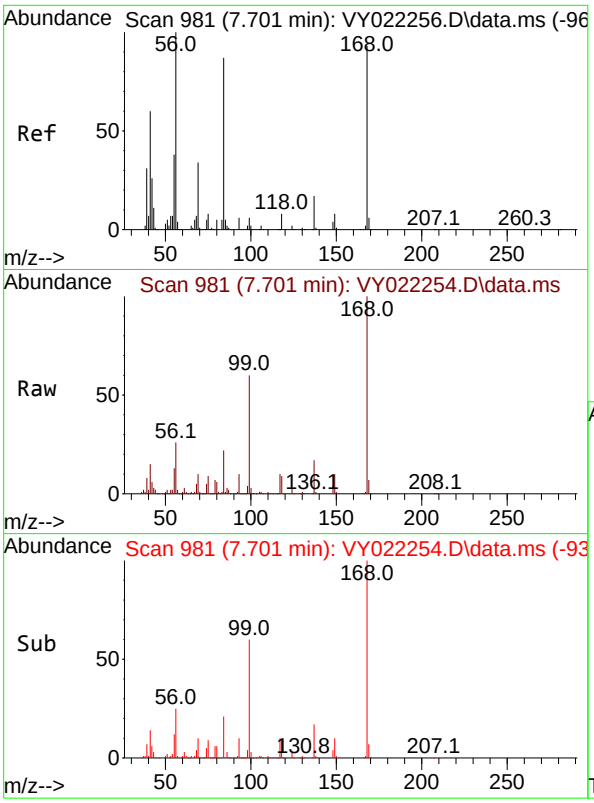


#30
Chloroform
Concen: 10.163 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 57172

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8



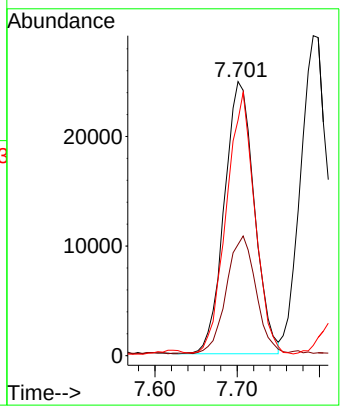


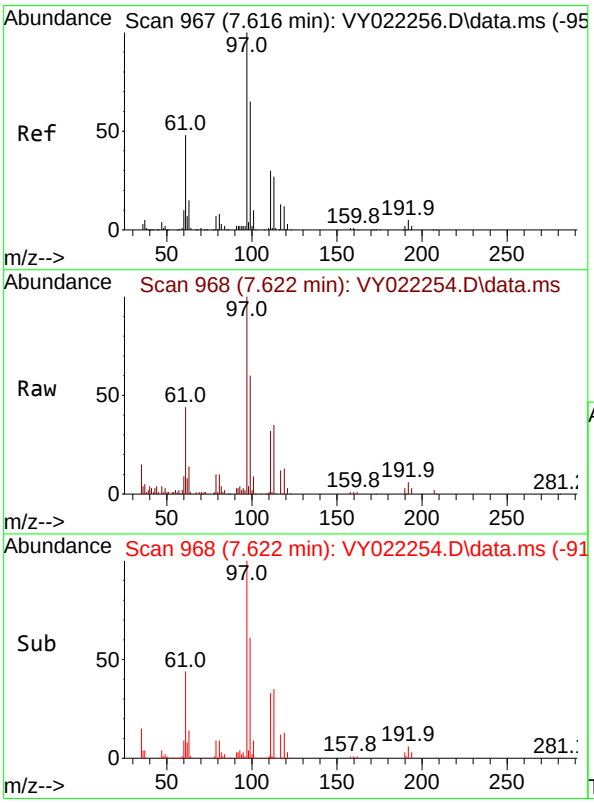
#31
Cyclohexane
Concen: 10.778 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 63155

Ion	Ratio	Lower	Upper
56	100		
69	39.9	27.4	41.2
84	84.7	70.0	105.0

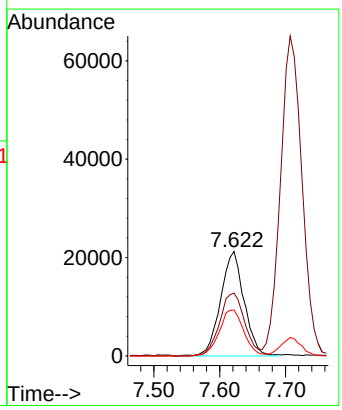


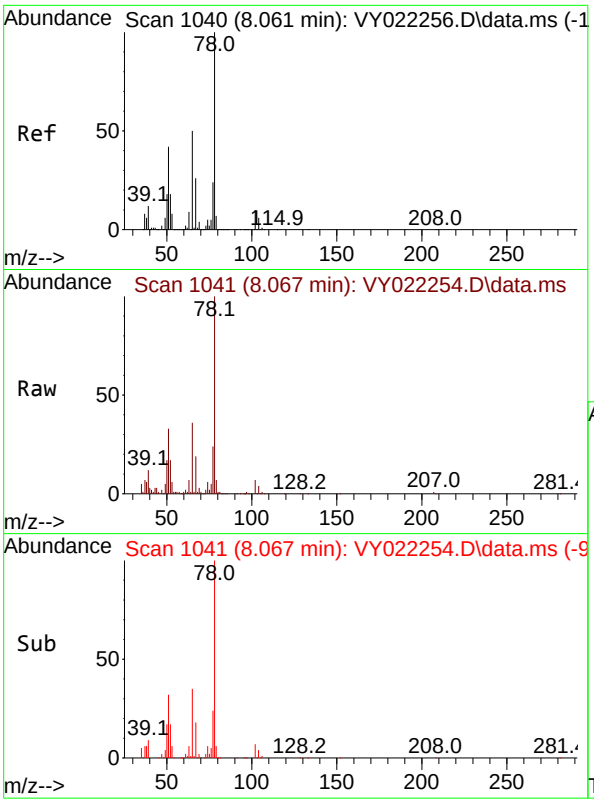


#32
1,1,1-Trichloroethane
Concen: 10.242 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 97 Resp: 52856

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	46.0	38.1	57.1



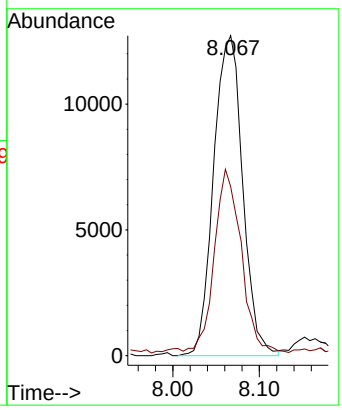


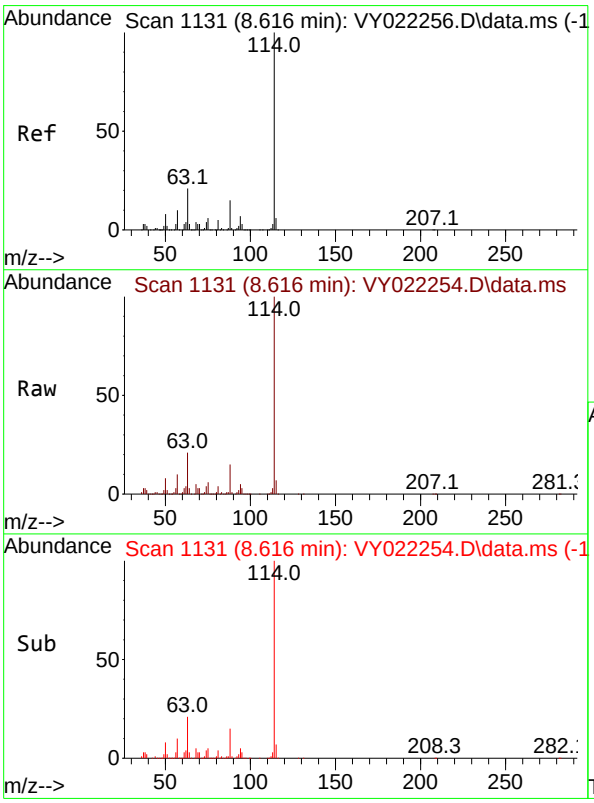
#33
1,2-Dichloroethane-d4
Concen: 10.222 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 29608

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.6

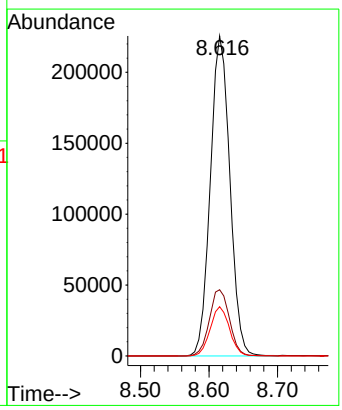


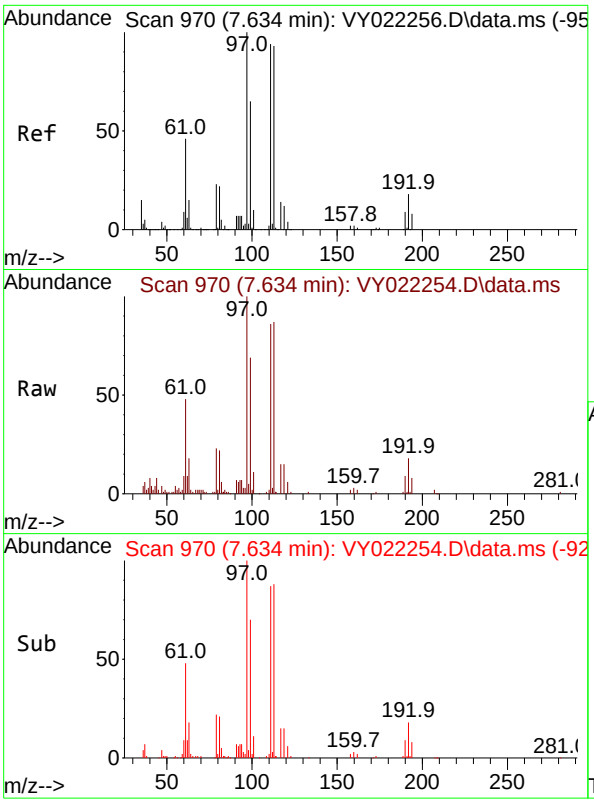


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:114 Resp: 446109

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	15.4	0.0	29.4



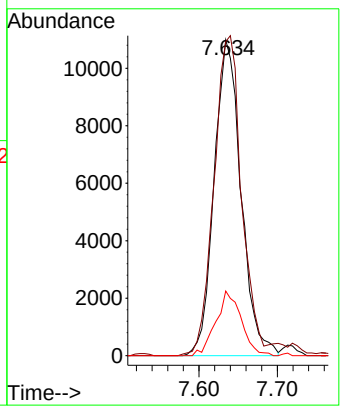


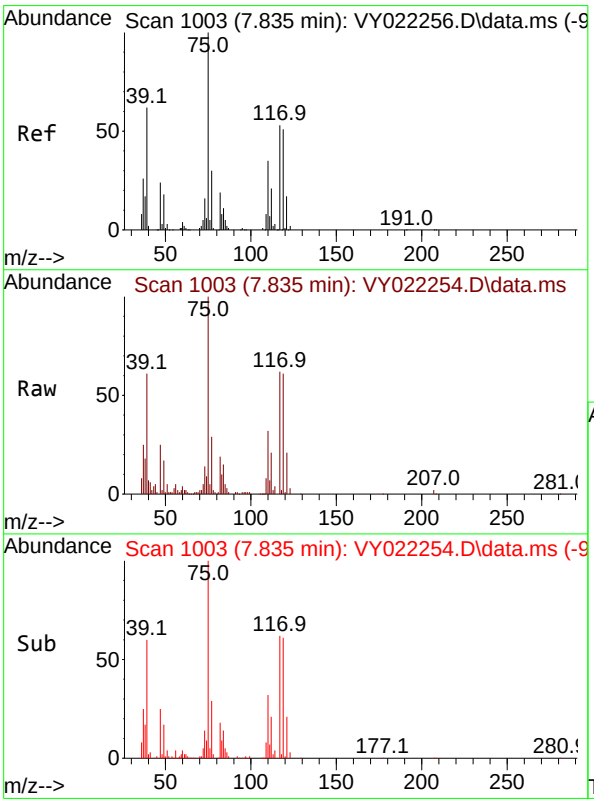
#35
Dibromofluoromethane
Concen: 9.856 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 26242

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	19.3	15.2	22.8

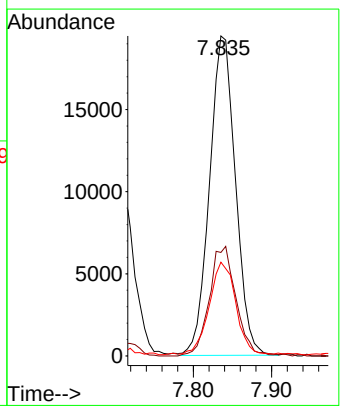


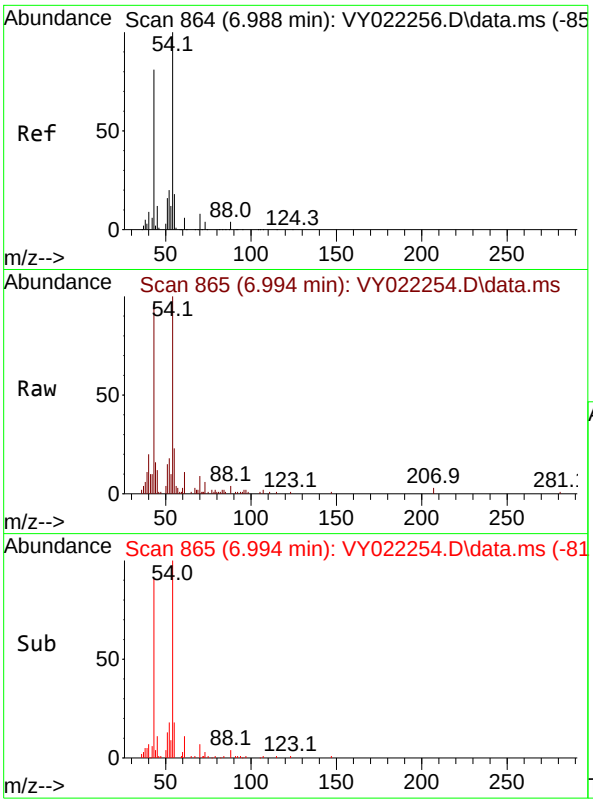


#36
1,1-Dichloropropene
Concen: 10.219 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 44817

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	29.8	24.6	37.0



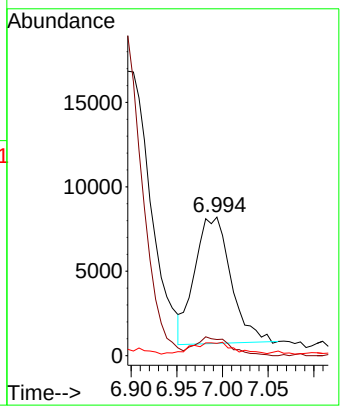


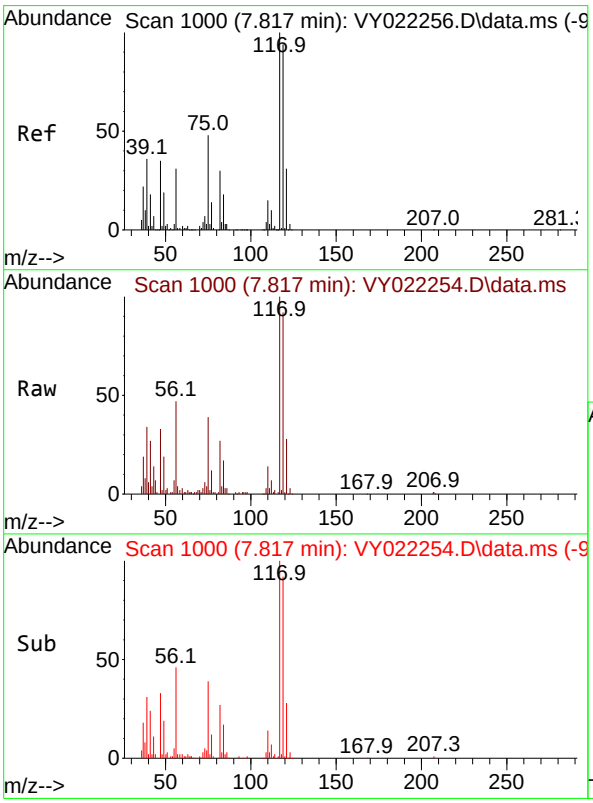
#37
Ethyl Acetate
Concen: 9.774 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 20624

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	10.6	7.6	11.4

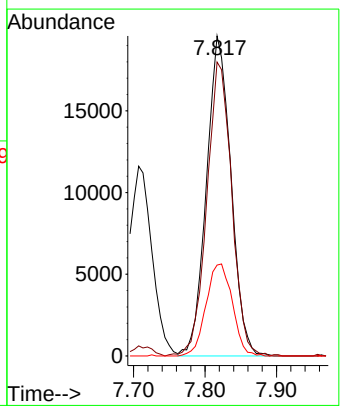


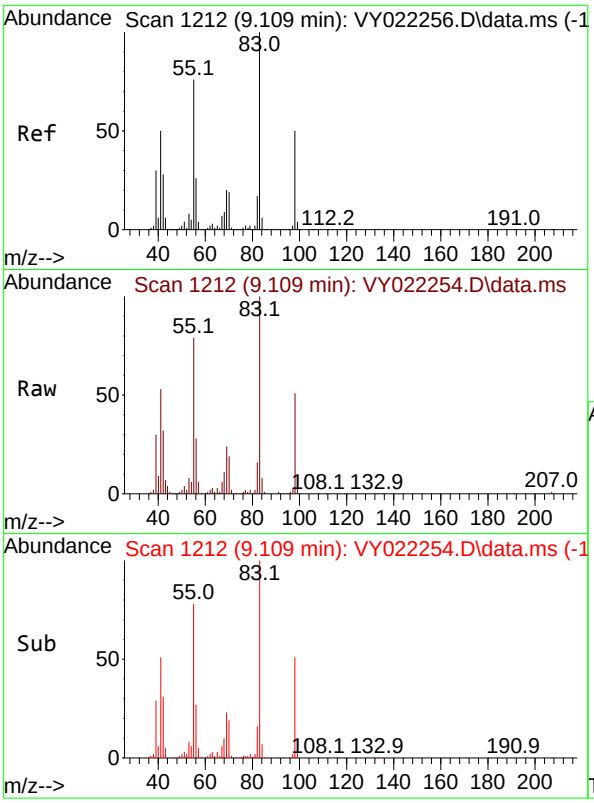


#38
Carbon Tetrachloride
Concen: 10.303 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 46772

Ion	Ratio	Lower	Upper
117	100		
119	91.4	75.3	112.9
121	28.4	24.7	37.1



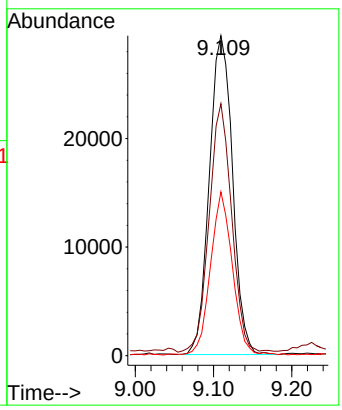


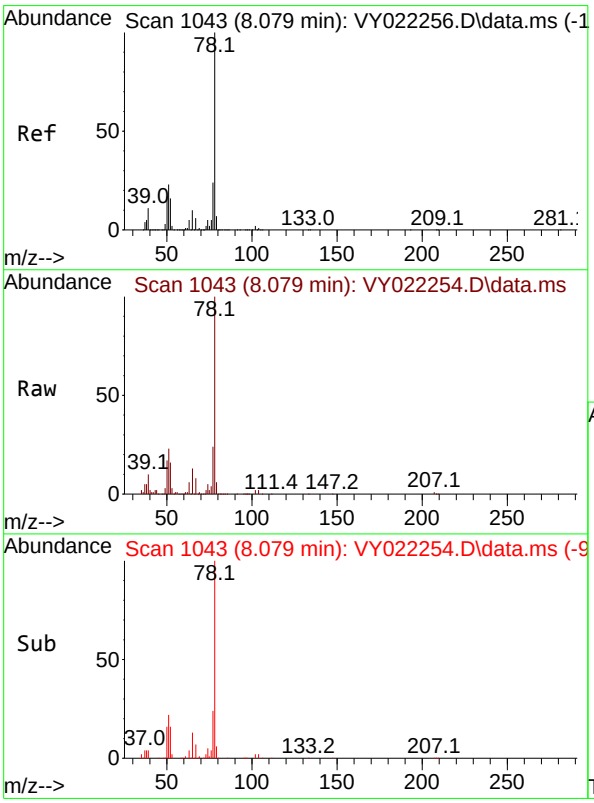
#39
Methylcyclohexane
Concen: 10.266 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 60489

Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.6	90.8
98	51.1	40.0	60.0

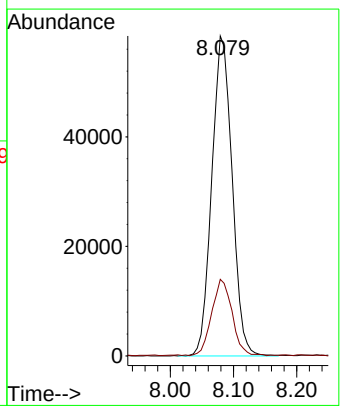


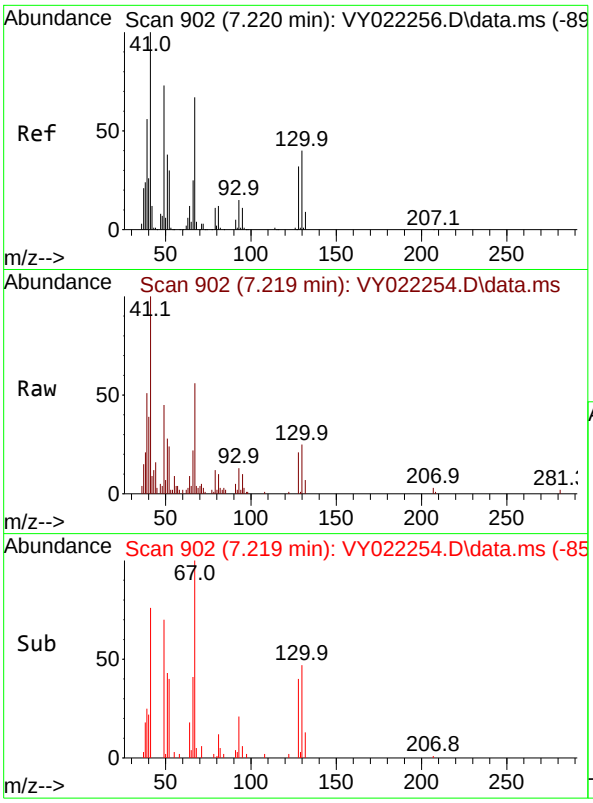


#40
Benzene
Concen: 10.032 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 78 Resp: 130423

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3



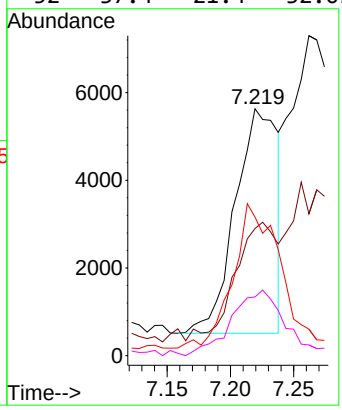


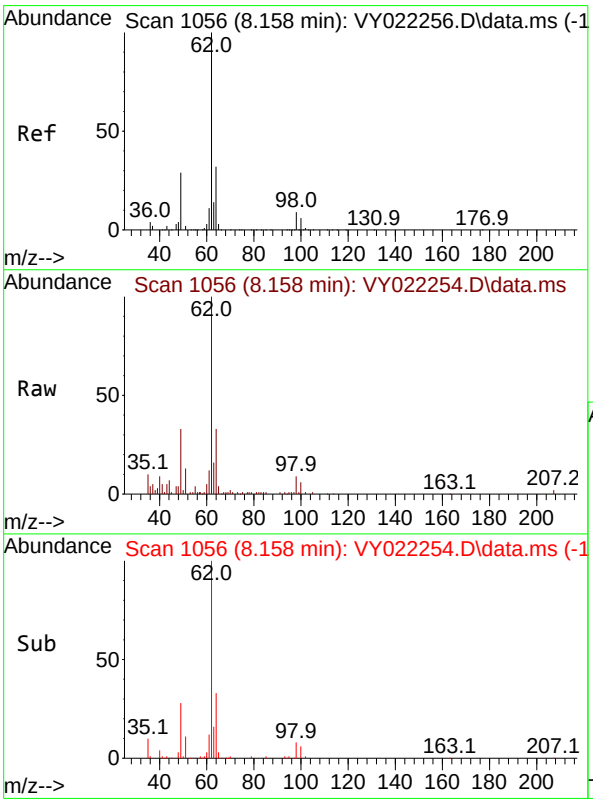
#41
Methacrylonitrile
Concen: 7.704 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 11895

Ion	Ratio	Lower	Upper
41	100		
39	52.5	39.1	58.7
67	74.3	47.1	70.7#
52	37.4	21.4	32.0#

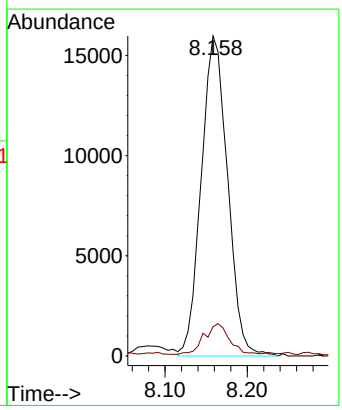


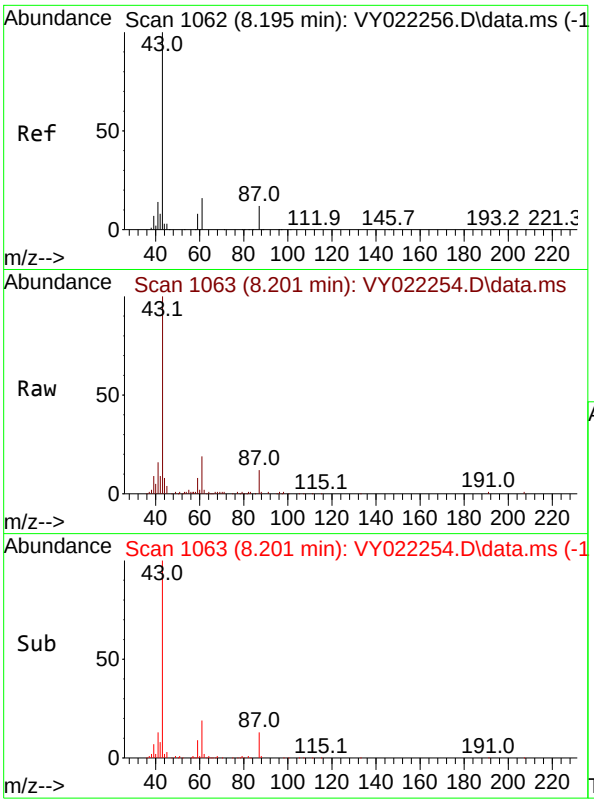


#42
1,2-Dichloroethane
Concen: 10.115 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 35565

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



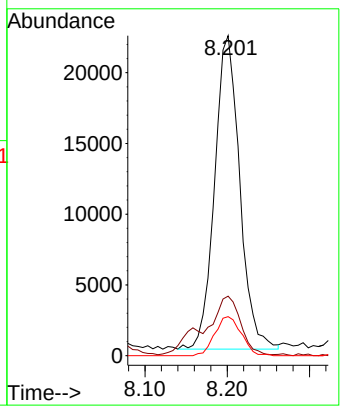


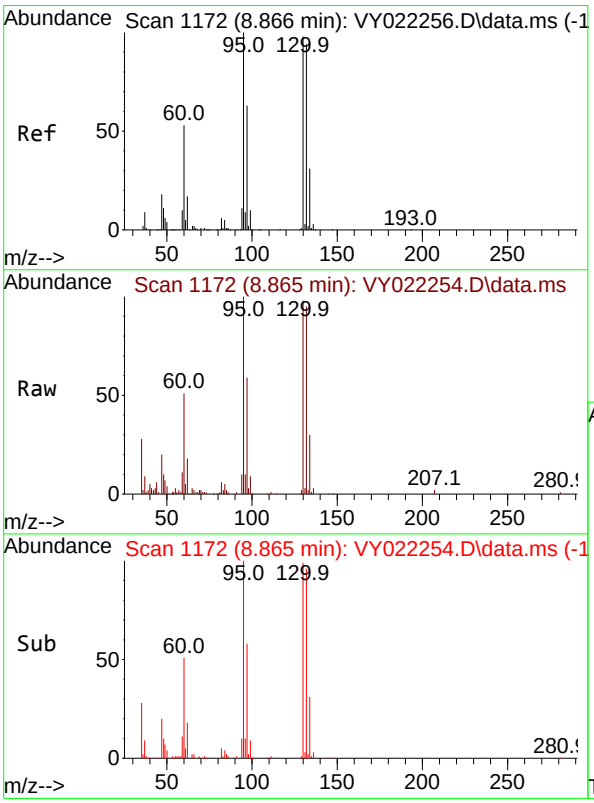
#43
Isopropyl Acetate
Concen: 10.217 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 47020

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	13.1	9.7	14.5

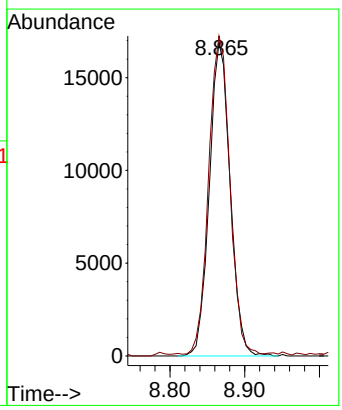


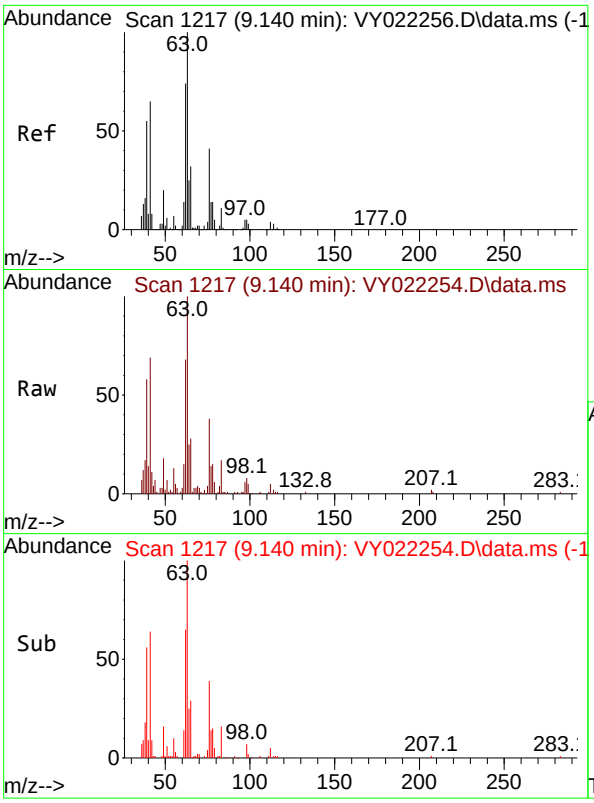


#44
Trichloroethene
Concen: 10.101 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:130 Resp: 32655

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	204.8



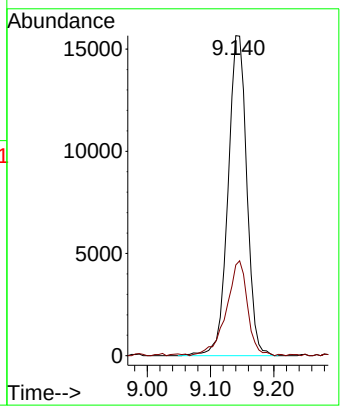


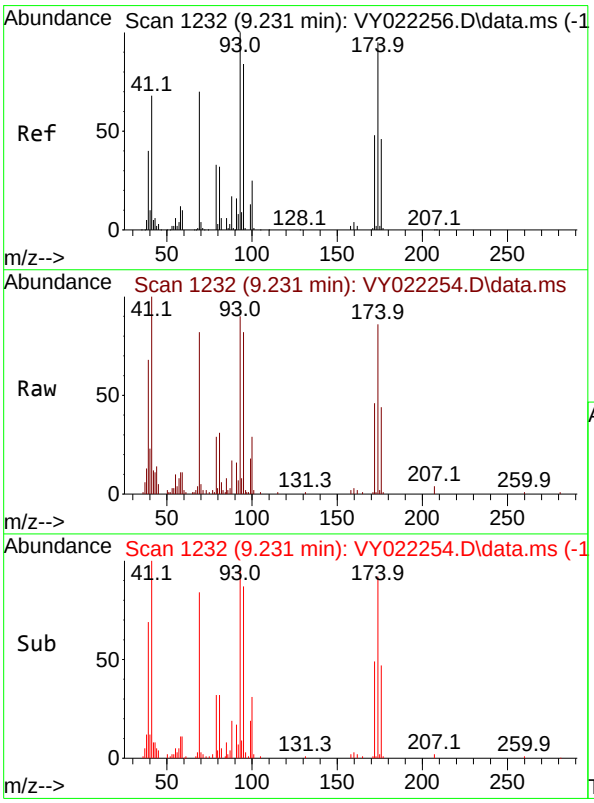
#45
1,2-Dichloropropane
Concen: 10.264 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 32172

Ion	Ratio	Lower	Upper
63	100		
65	28.0	25.7	38.5

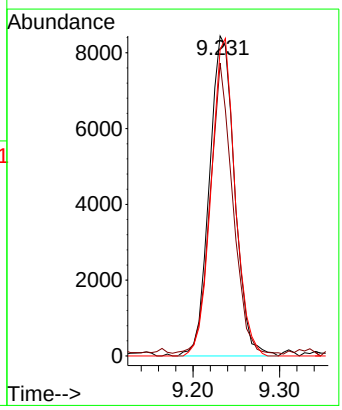


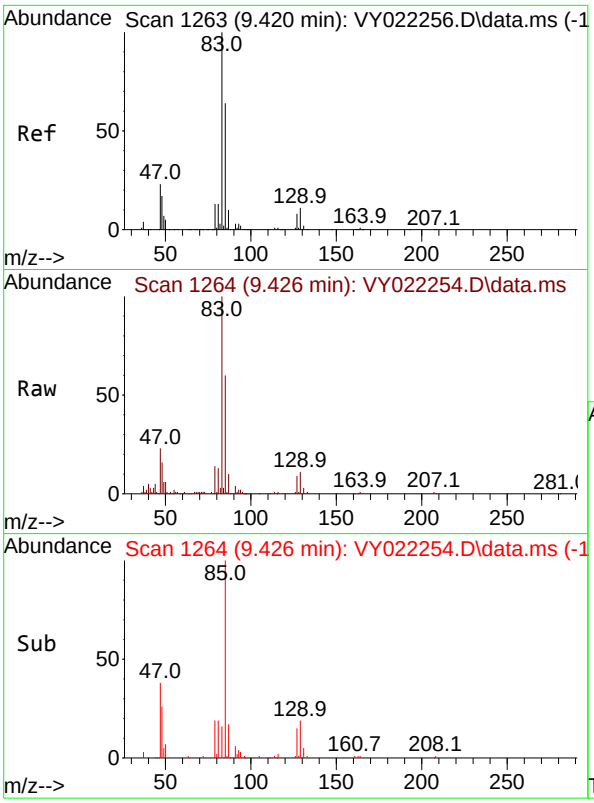


#46
Dibromomethane
Concen: 10.135 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 93 Resp: 17134

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.2	97.8
174	93.7	74.3	111.5



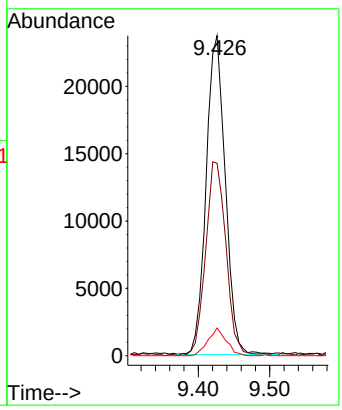


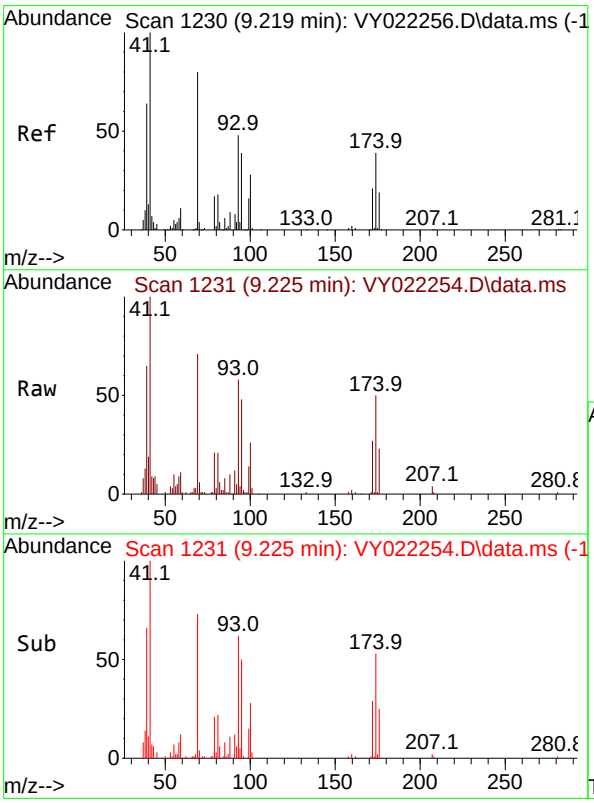
#47
Bromodichloromethane
Concen: 10.042 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 44045

Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.1	76.7
127	8.7	6.6	10.0

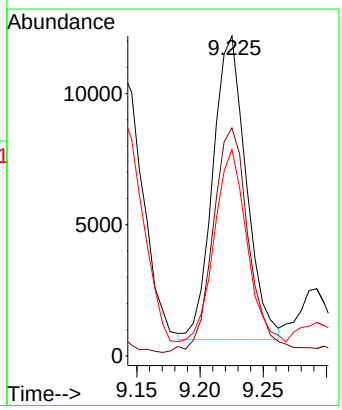


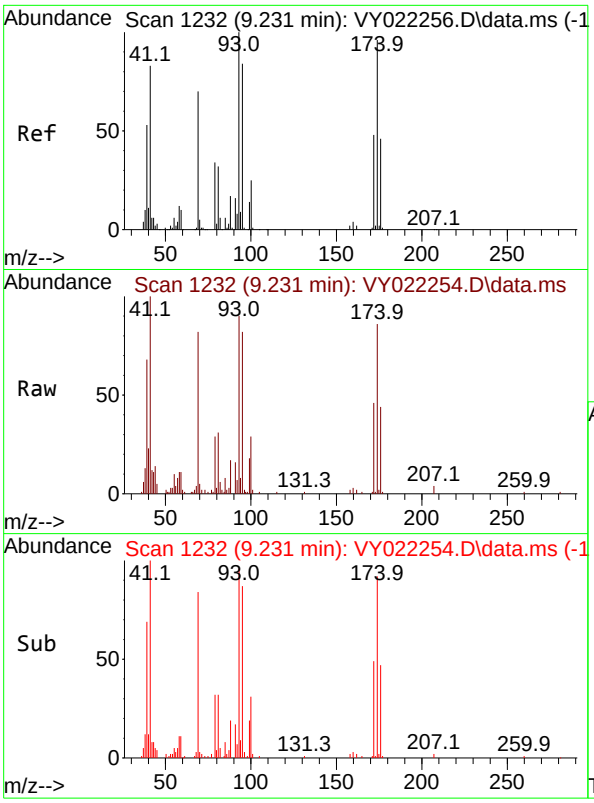


#48
Methyl methacrylate
Concen: 9.851 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 21202

Ion	Ratio	Lower	Upper
41	100		
69	80.5	63.5	95.3
39	62.0	50.8	76.2



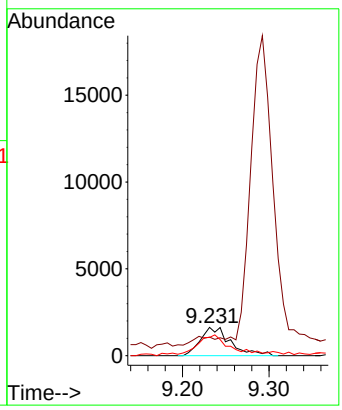


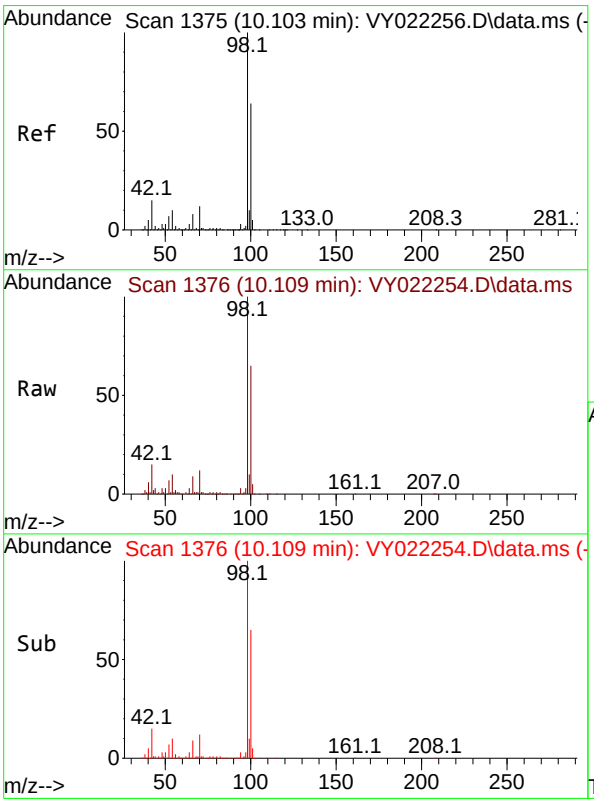
#49
1,4-Dioxane
Concen: 205.769 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 3930

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.5	42.7#
58	84.5	61.4	92.2

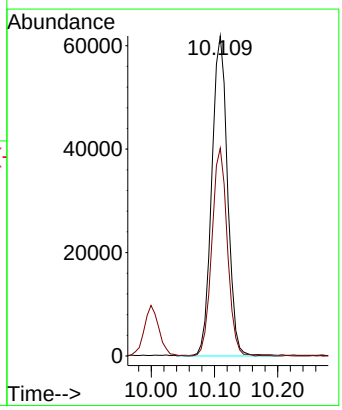


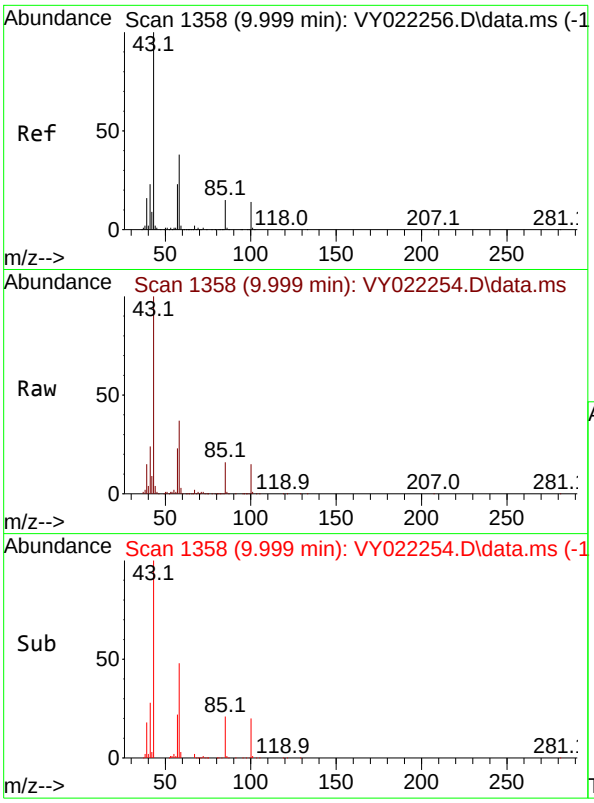


#50
Toluene-d8
Concen: 9.816 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 98 Resp: 107048

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8



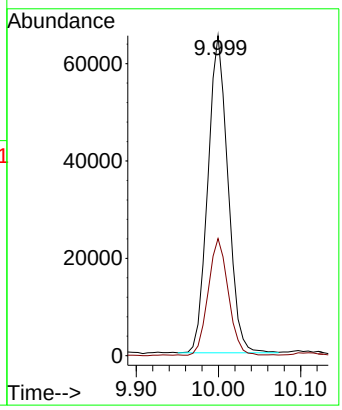


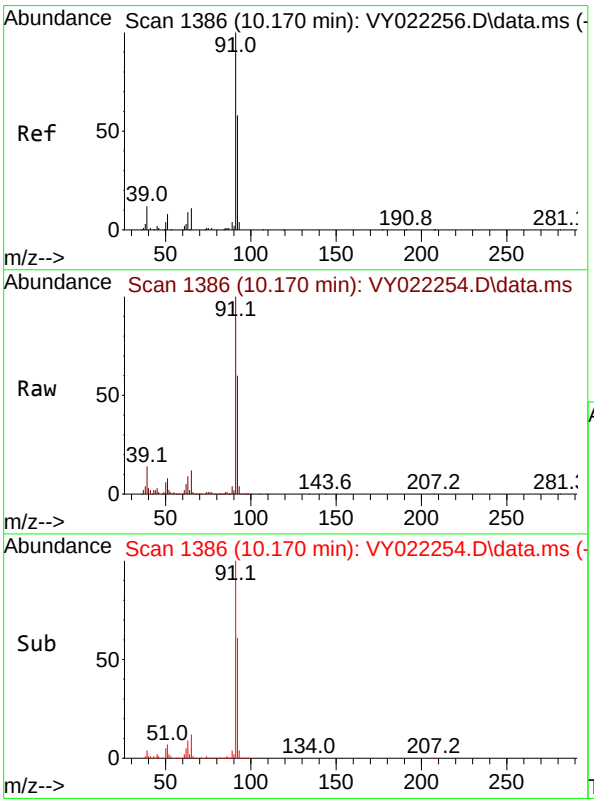
#51
4-Methyl-2-Pentanone
Concen: 48.889 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 110396

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.2

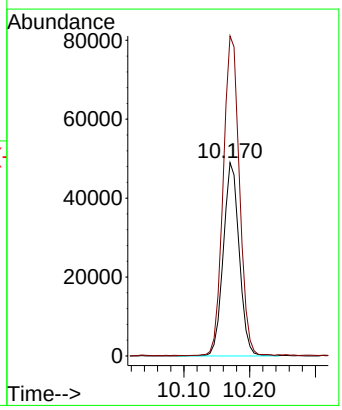


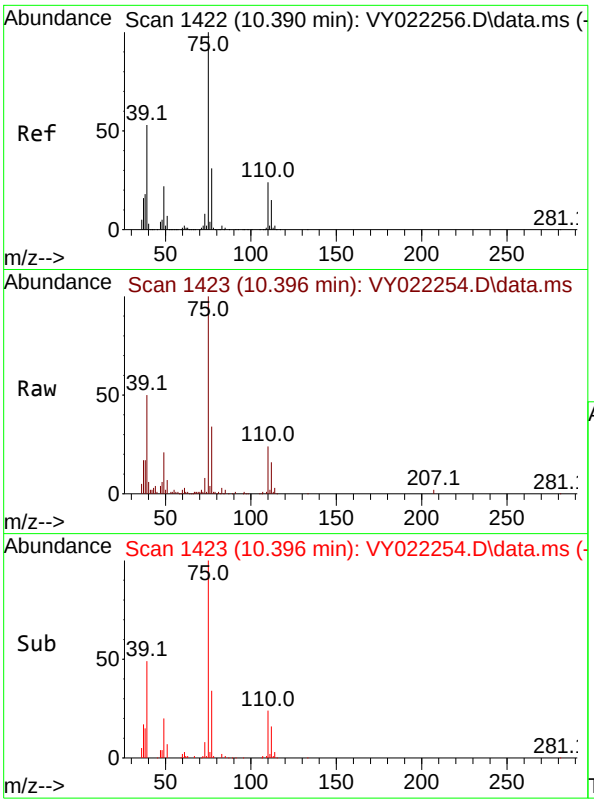


#52
Toluene
Concen: 10.015 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 92 Resp: 82453

Ion	Ratio	Lower	Upper
92	100		
91	168.8	139.1	208.7



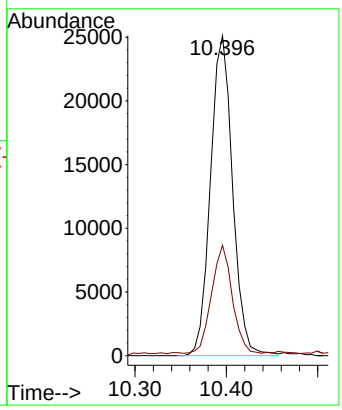


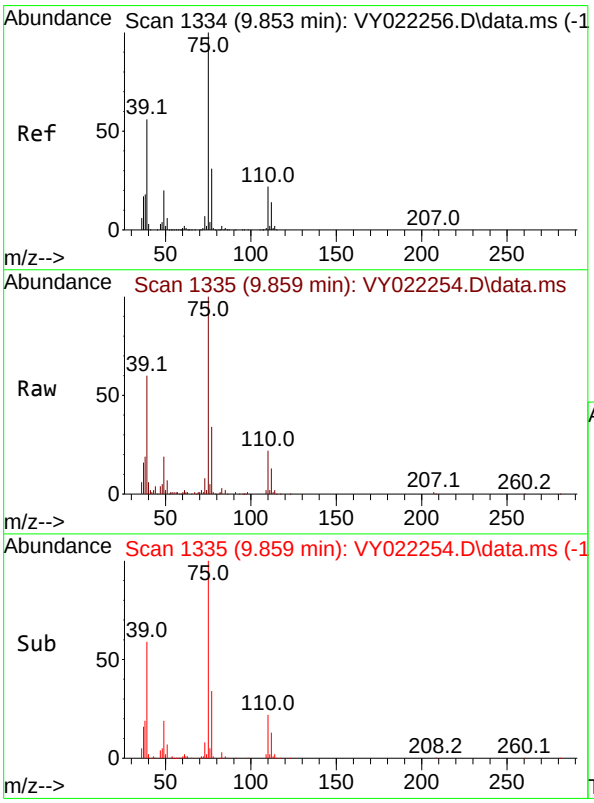
#53
t-1,3-Dichloropropene
Concen: 9.849 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 42158

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.0	37.6

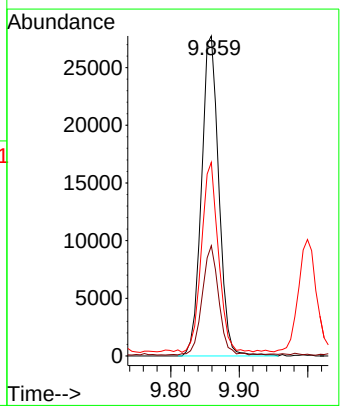


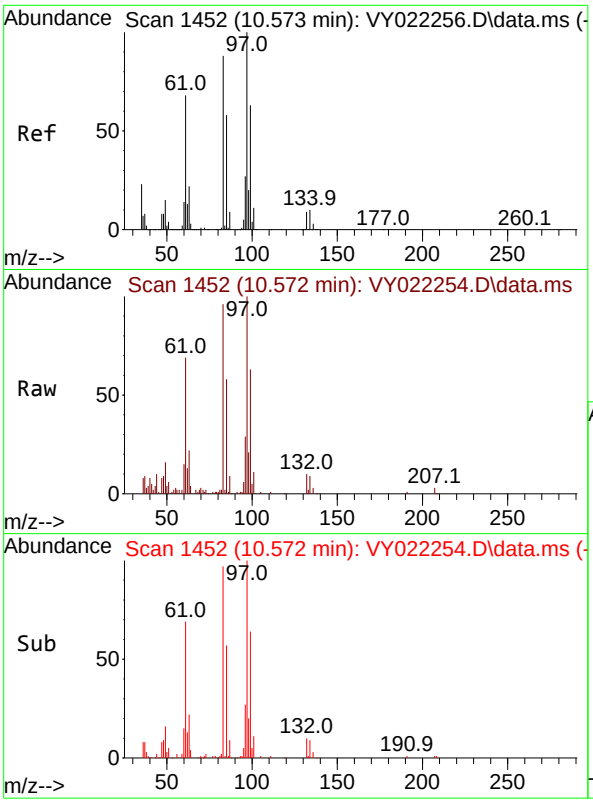


#54
cis-1,3-Dichloropropene
Concen: 9.976 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 48923

Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.1	37.7
39	58.7	44.5	66.7



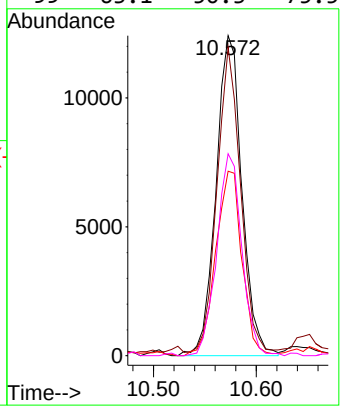


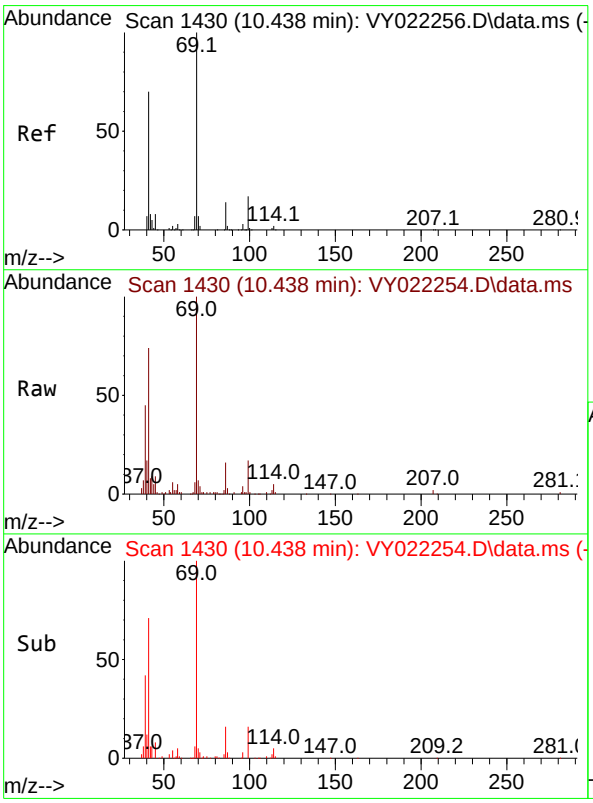
#55
1,1,2-Trichloroethane
Concen: 10.033 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 21720

Ion	Ratio	Lower	Upper
97	100		
83	94.5	70.3	105.5
85	57.6	46.2	69.4
99	63.1	50.3	75.5

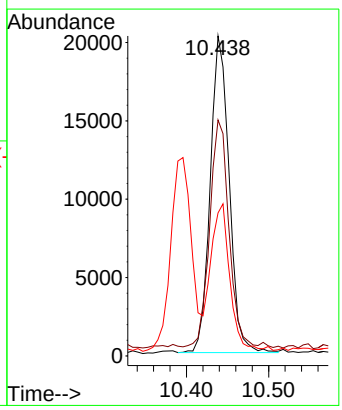


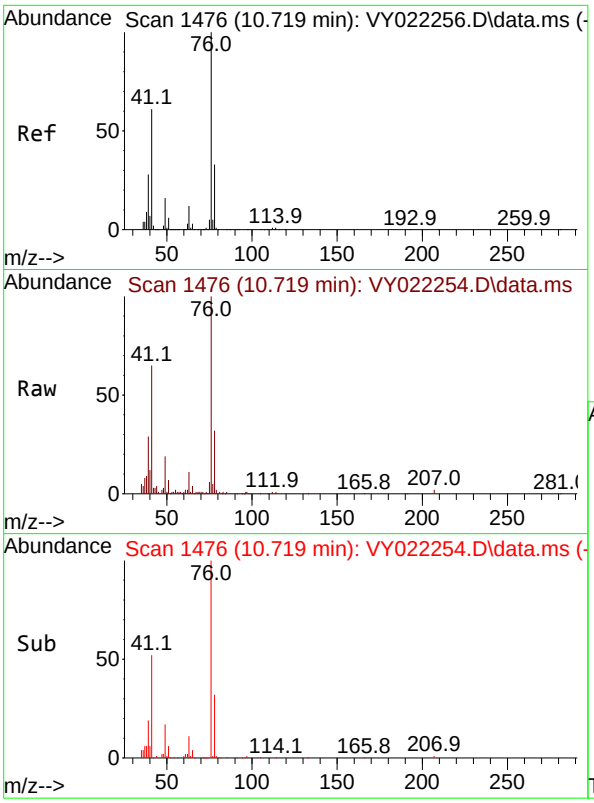


#56
Ethyl methacrylate
Concen: 9.574 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 69 Resp: 32286

Ion	Ratio	Lower	Upper
69	100		
41	72.5	56.5	84.7
39	45.6	37.1	55.7



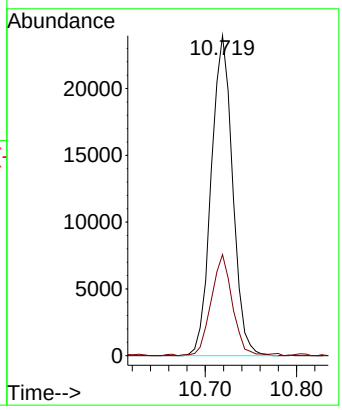


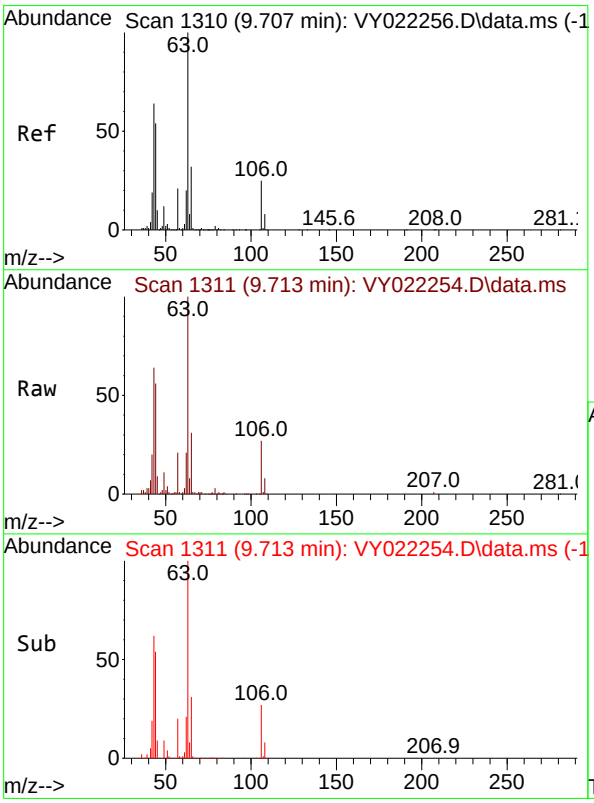
#57
1,3-Dichloropropane
Concen: 10.115 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 38908

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8

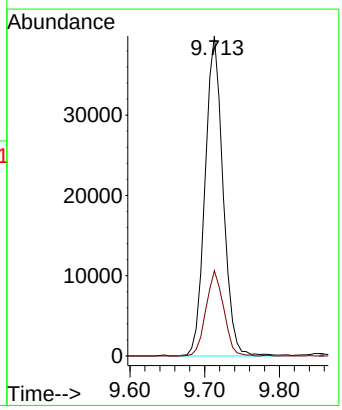


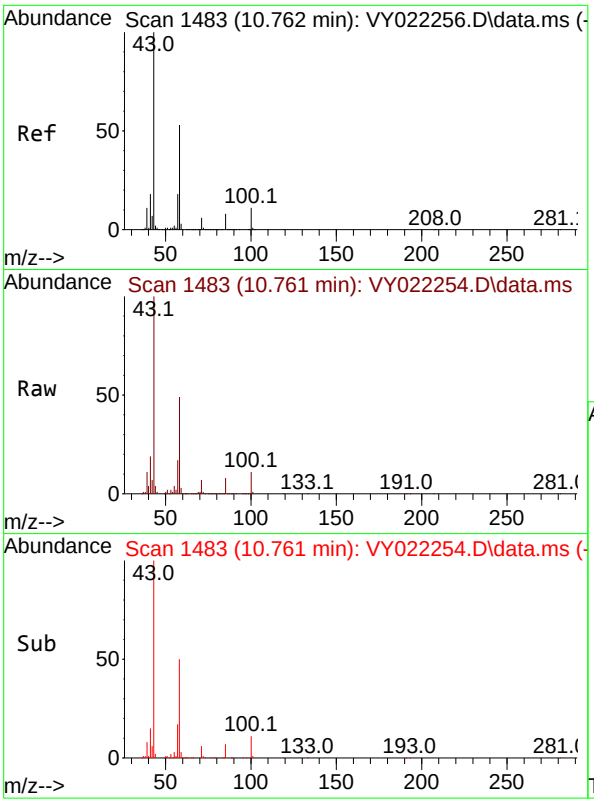


#58
2-Chloroethyl Vinyl ether
Concen: 44.066 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 66700

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4



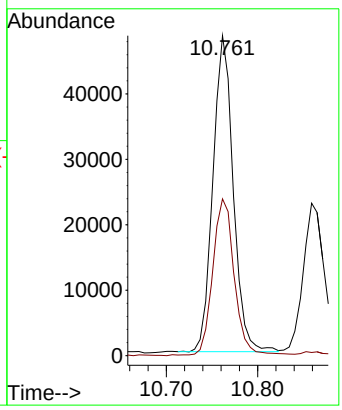


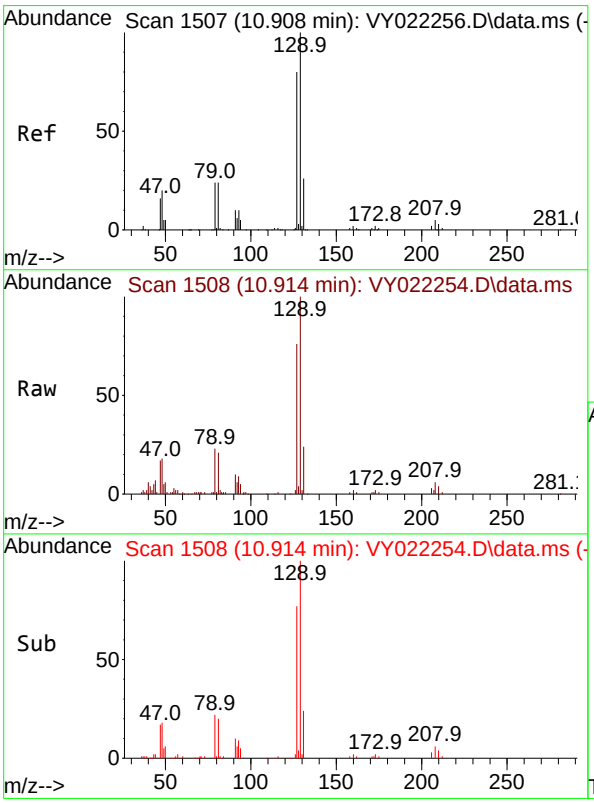
#59
2-Hexanone
Concen: 49.162 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 74432

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.1	78.3

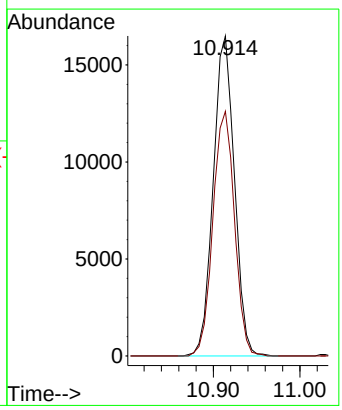


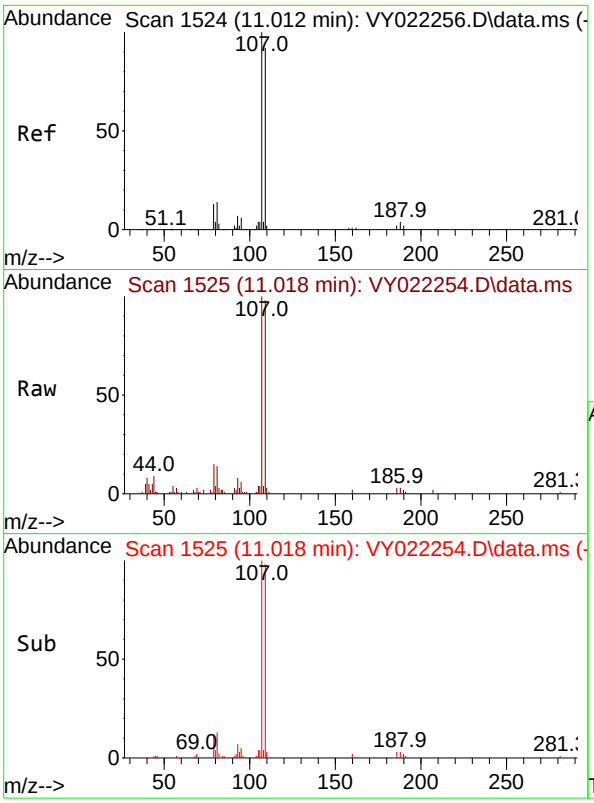


#60
Dibromochloromethane
Concen: 9.965 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:129 Resp: 28002

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7



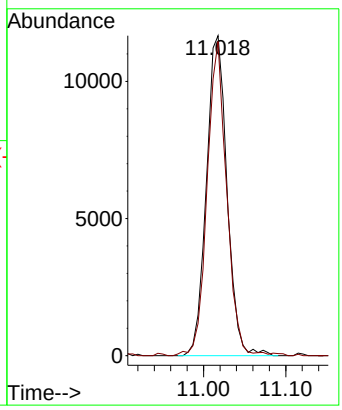


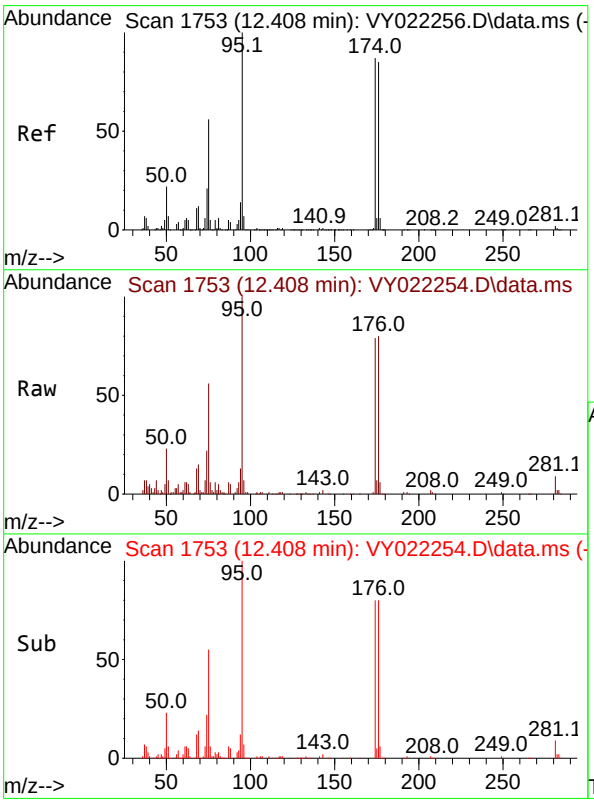
#61
1,2-Dibromoethane
Concen: 10.099 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 20378

Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.6	111.8

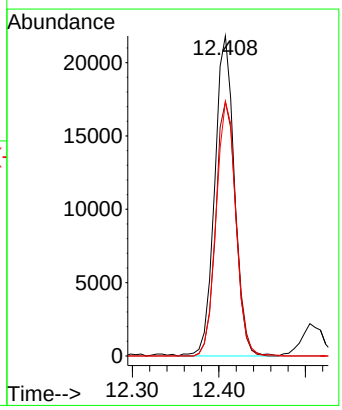


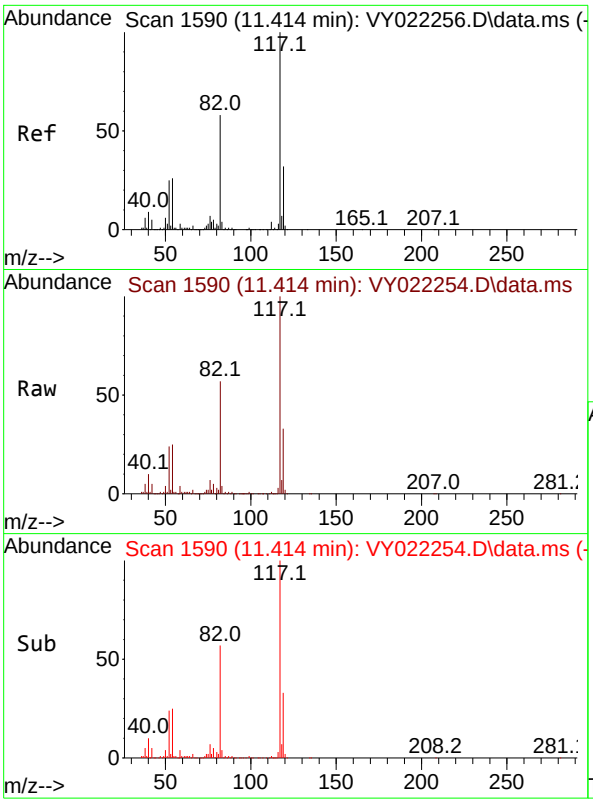


#62
4-Bromofluorobenzene
Concen: 9.959 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 95 Resp: 34423

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	166.8
176	79.7	0.0	160.8



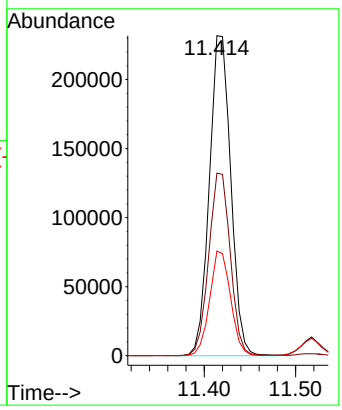


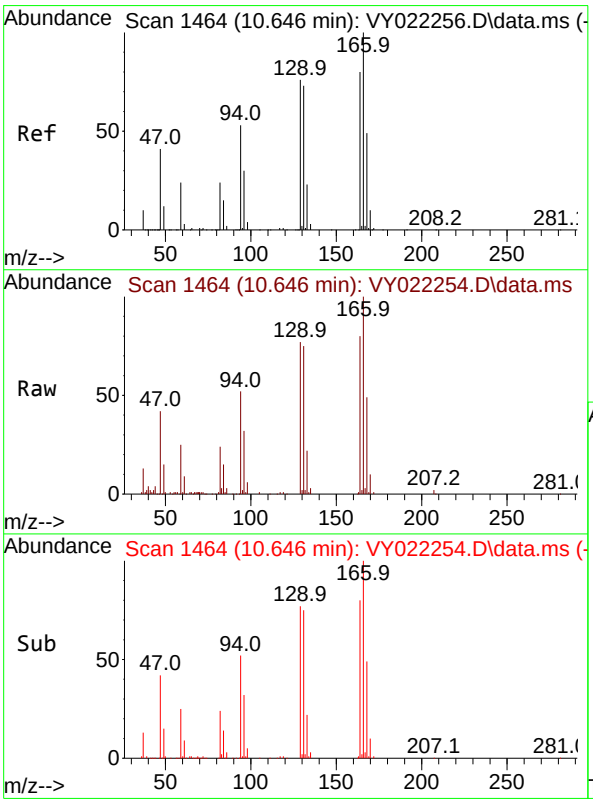
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 377211

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.6	70.0
119	32.7	25.8	38.6

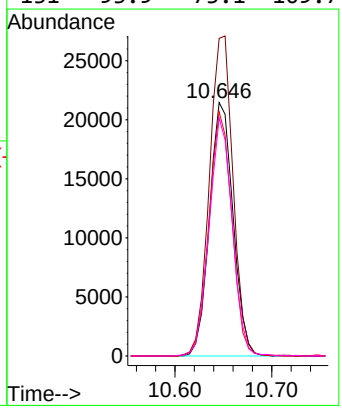


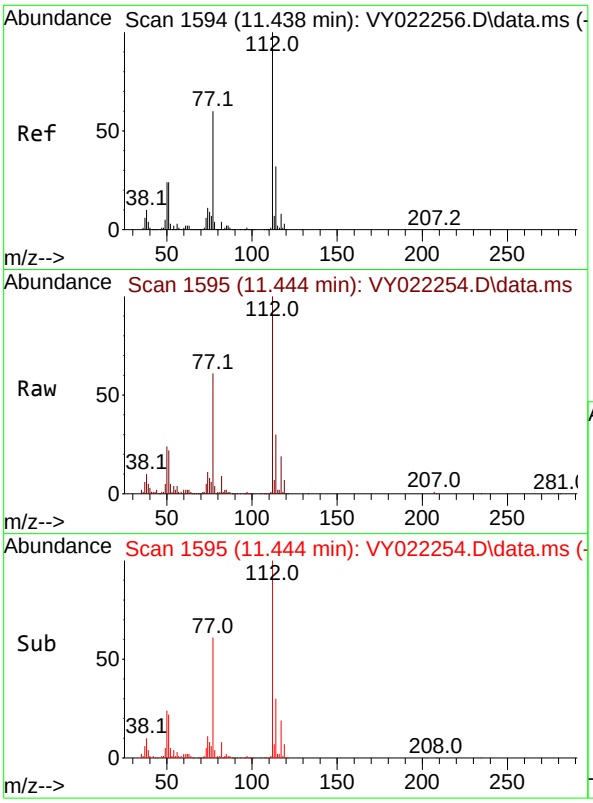


#64
Tetrachloroethene
Concen: 10.404 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:164 Resp: 36274

Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.4	150.6
129	96.3	76.4	114.6
131	93.9	73.1	109.7



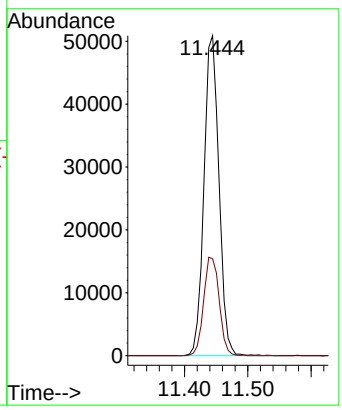


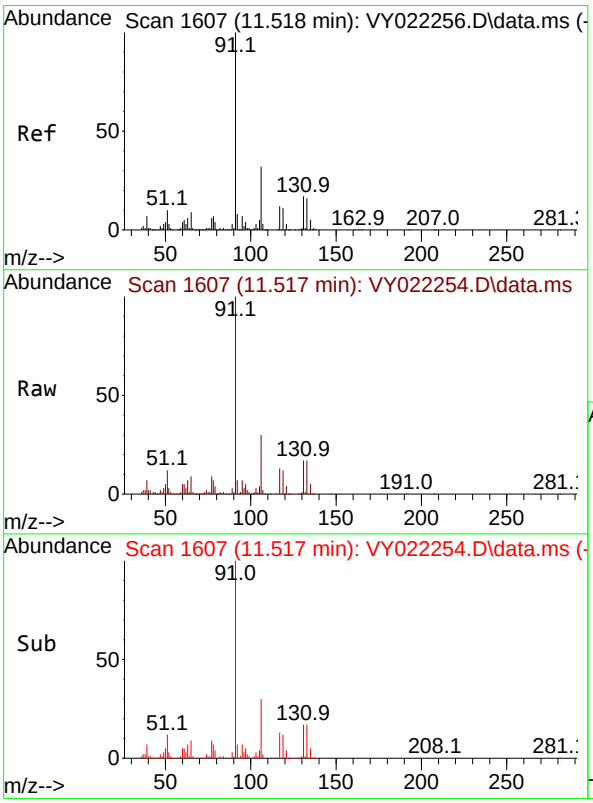
#65
Chlorobenzene
Concen: 9.839 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 83730

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.8	38.6

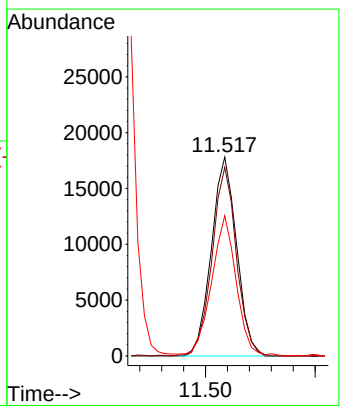


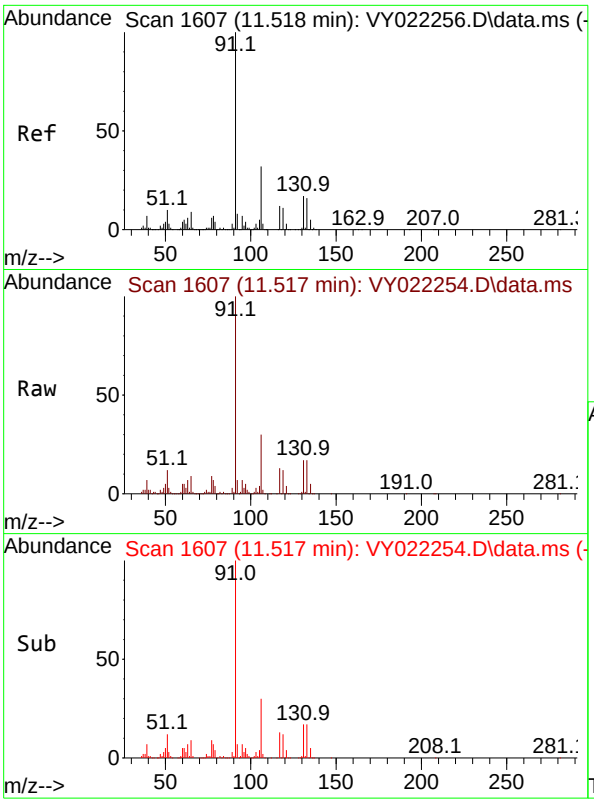


#66
1,1,1,2-Tetrachloroethane
Concen: 9.721 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:131 Resp: 28441

Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.3	141.9
119	69.0	33.1	99.2



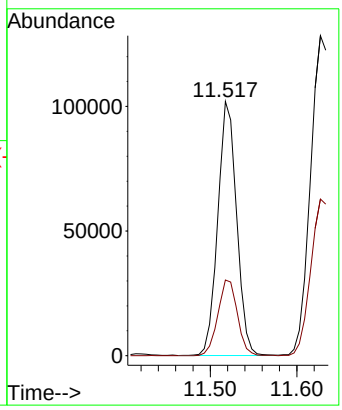


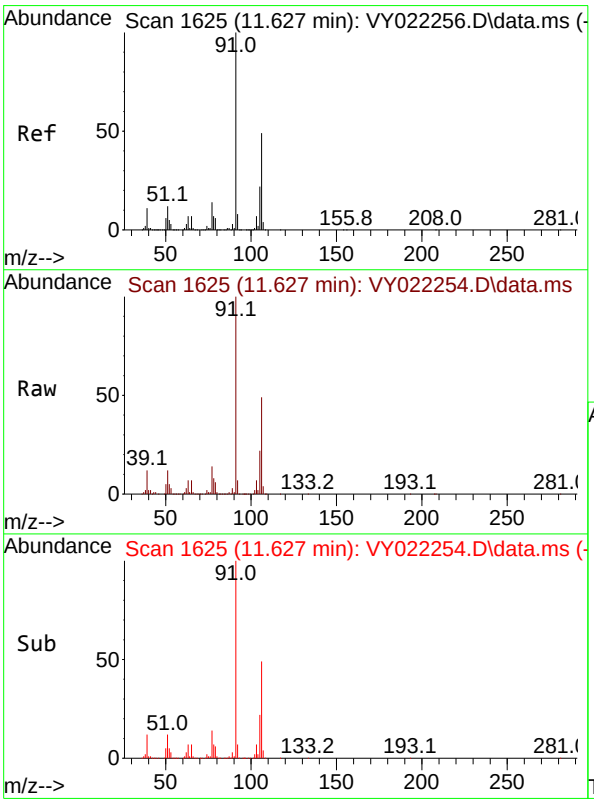
#67
Ethyl Benzene
Concen: 9.672 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 154155

Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.4	38.0

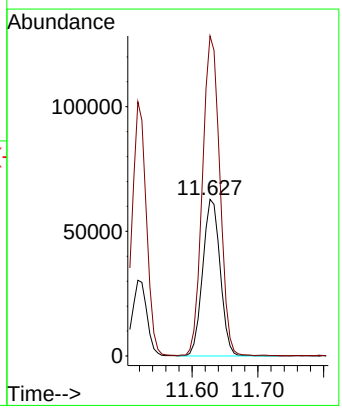


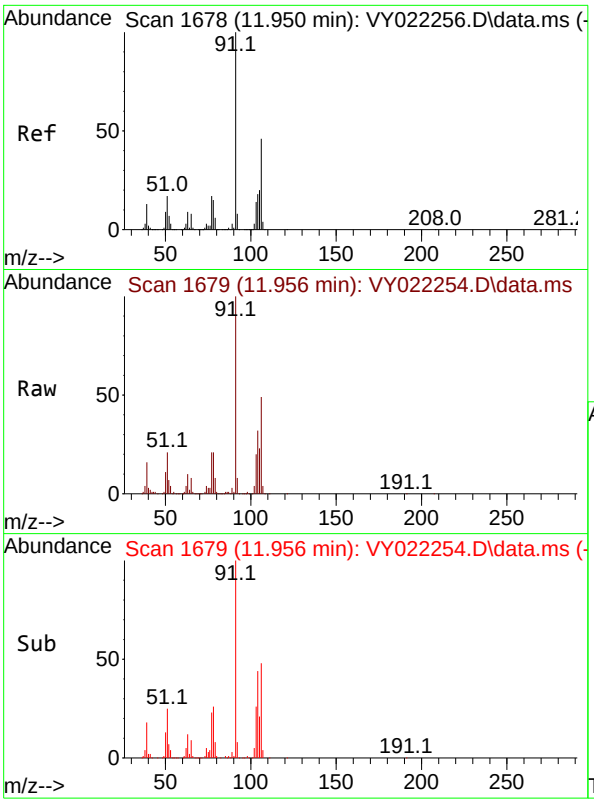


#68
m/p-Xylenes
Concen: 19.334 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:106 Resp: 116113

Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.0	244.4



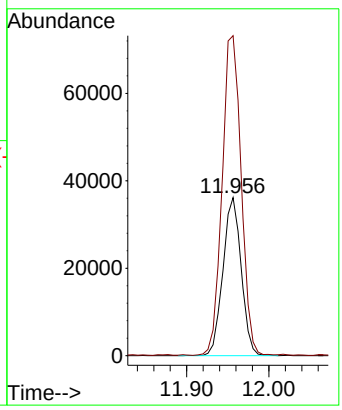


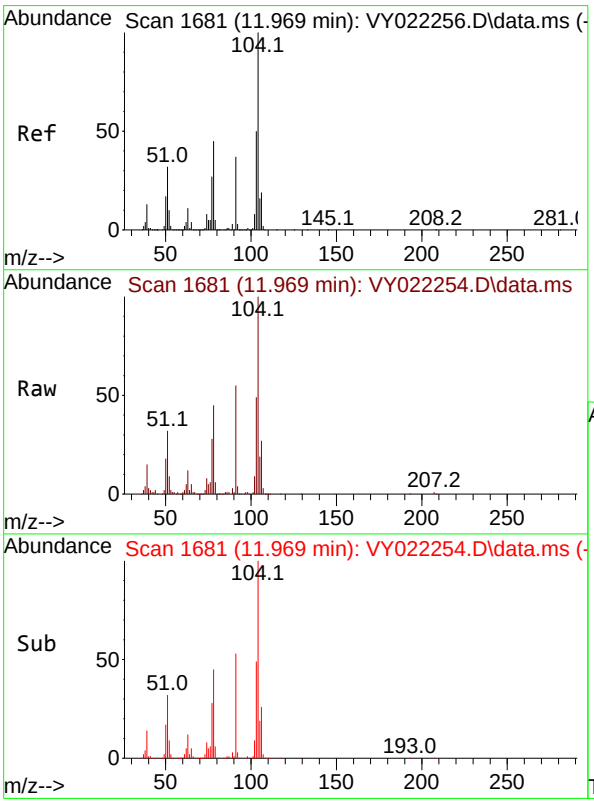
#69
o-Xylene
Concen: 9.837 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 55896

Ion	Ratio	Lower	Upper
106	100		
91	210.6	108.3	324.8

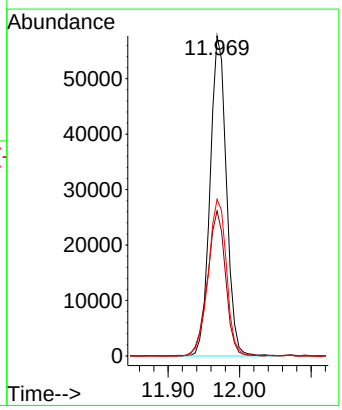


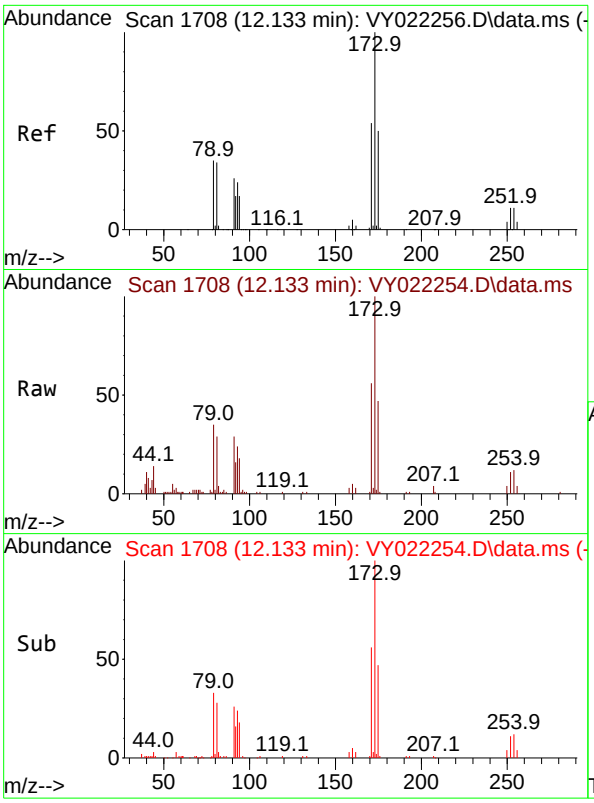


#70
Styrene
Concen: 9.553 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:104 Resp: 91569

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.9	61.3
103	54.7	43.7	65.5



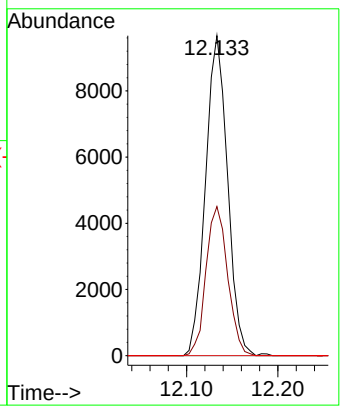


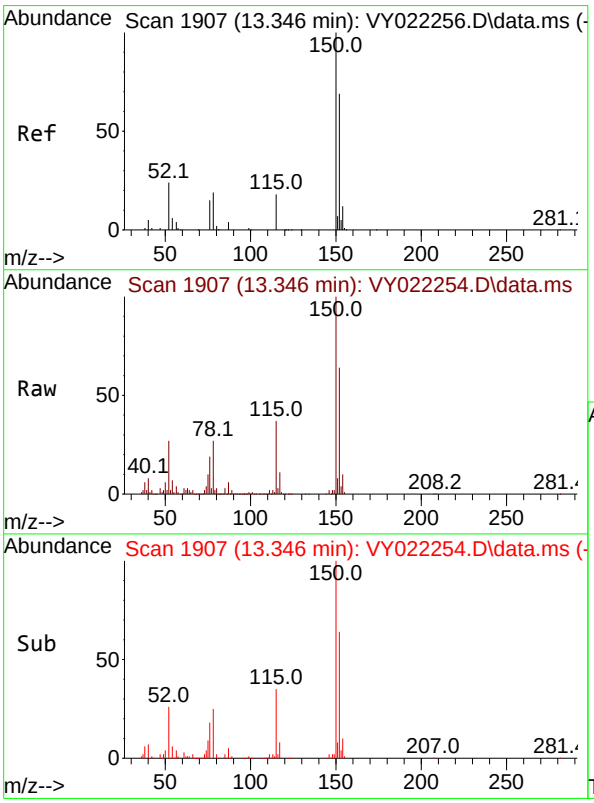
#71
Bromoform
Concen: 10.228 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 16151

Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.7	74.1
254	0.0	0.0	0.0

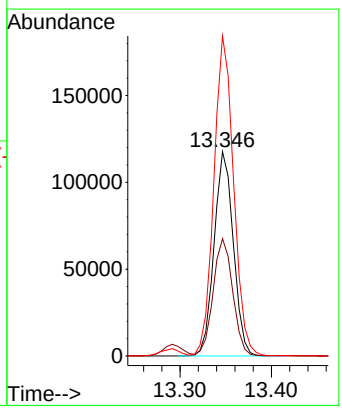


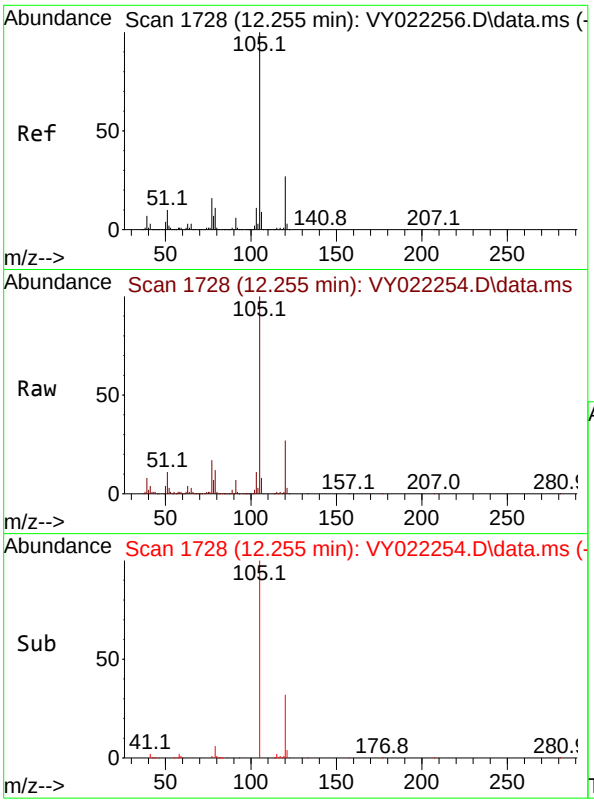


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:152 Resp: 171972

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	161.2	0.0	353.8



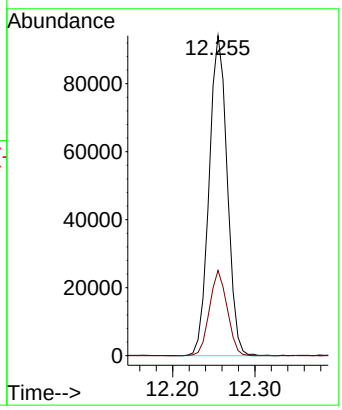


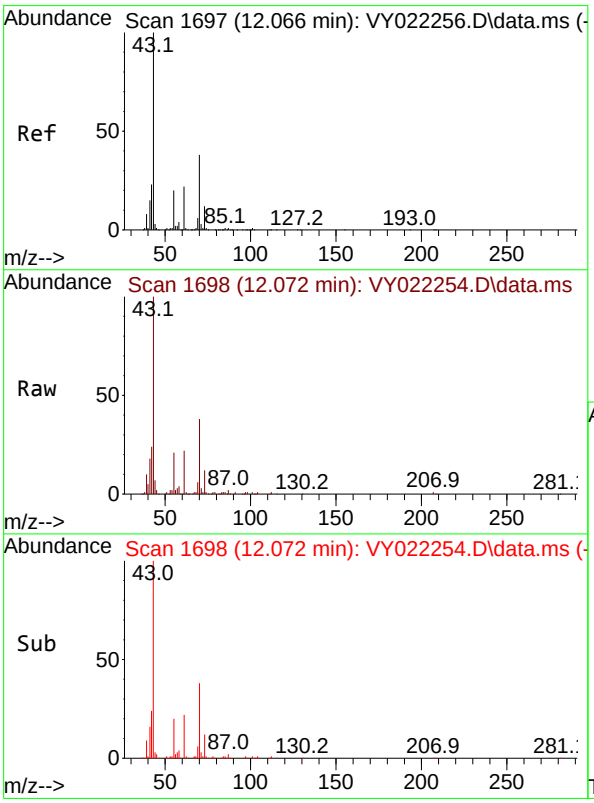
#73
Isopropylbenzene
Concen: 10.120 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 144186

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6

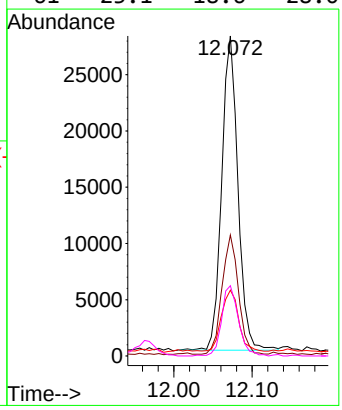


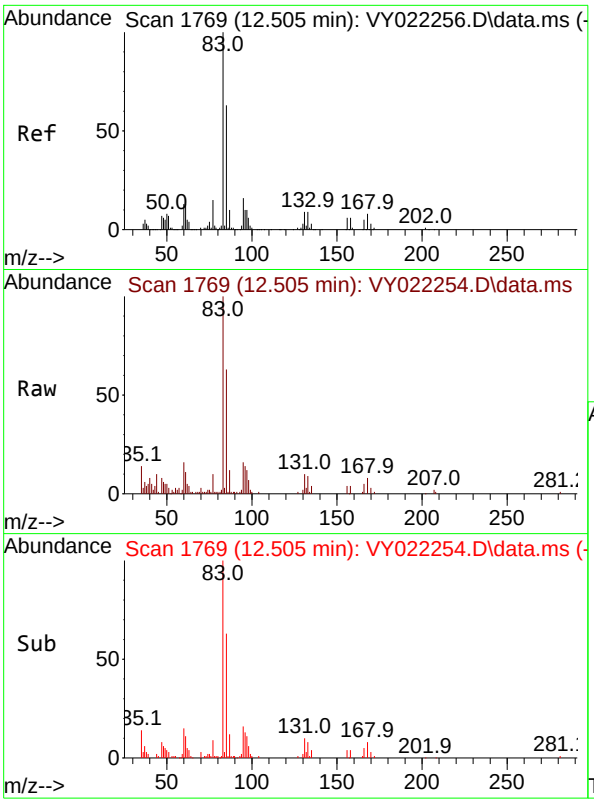


#74
N-amyl acetate
Concen: 9.901 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 40345

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.4	47.0
55	20.5	17.0	25.6
61	23.1	18.6	28.0



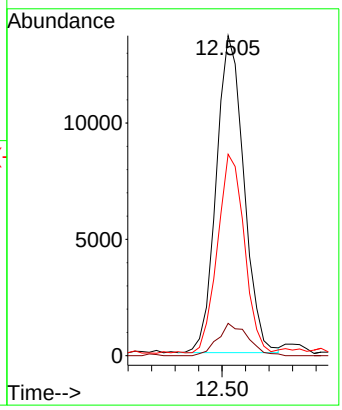


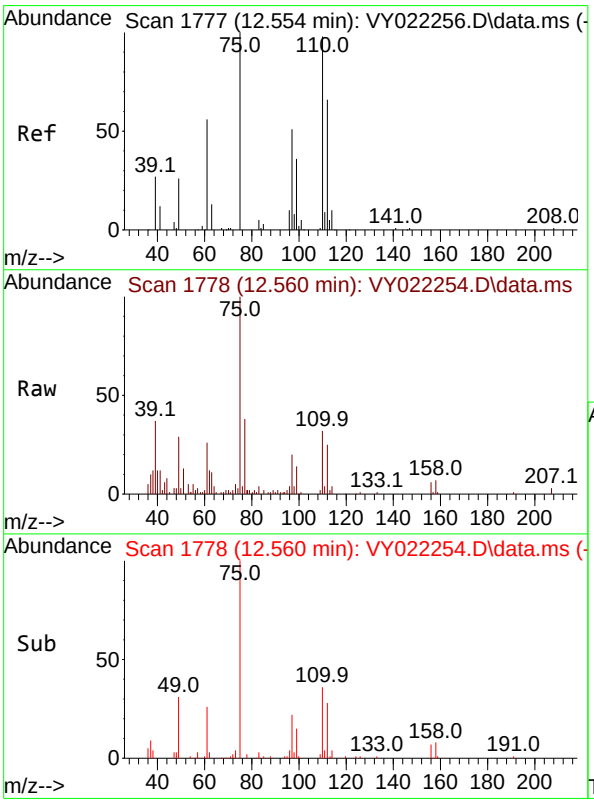
#75
1,1,2,2-Tetrachloroethane
Concen: 10.152 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 22243

Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.9	14.7
85	60.8	32.0	96.0

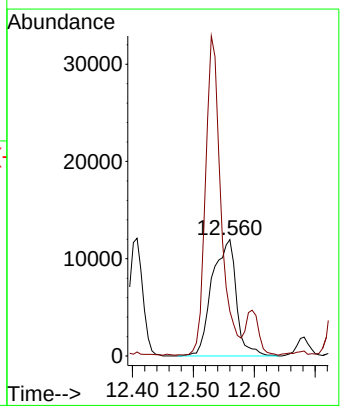


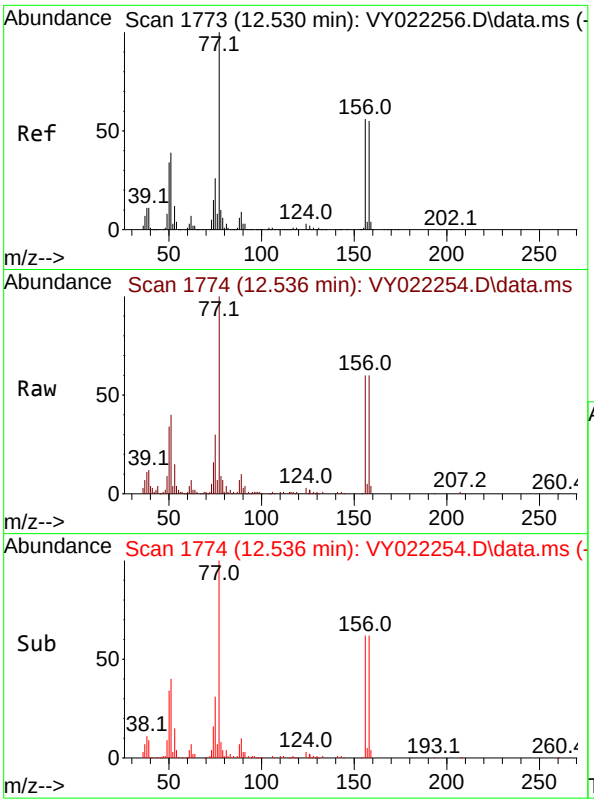


#76
1,2,3-Trichloropropane
Concen: 10.913 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 33075

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



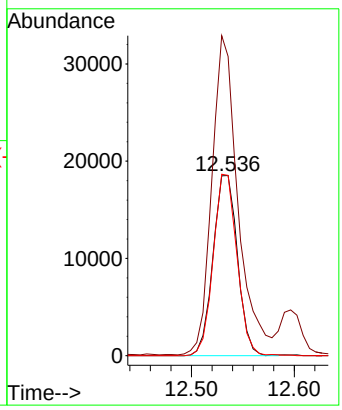


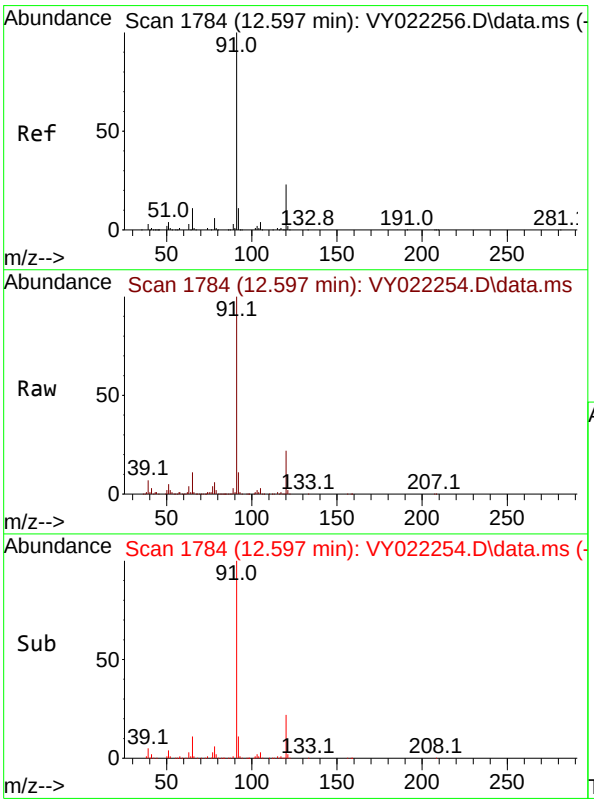
#77
Bromobenzene
Concen: 10.005 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 30445

Ion	Ratio	Lower	Upper
156	100		
77	189.7	94.5	283.6
158	98.1	48.4	145.3

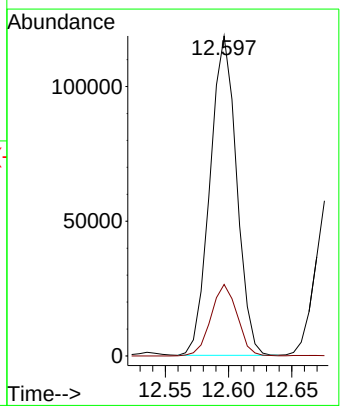


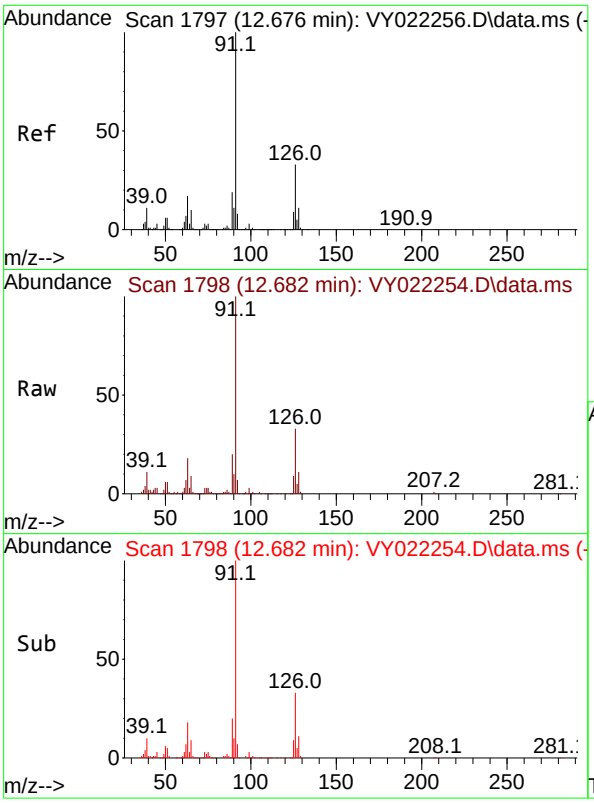


#78
n-propylbenzene
Concen: 10.101 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 173575

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



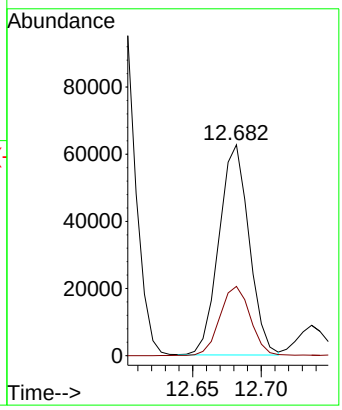


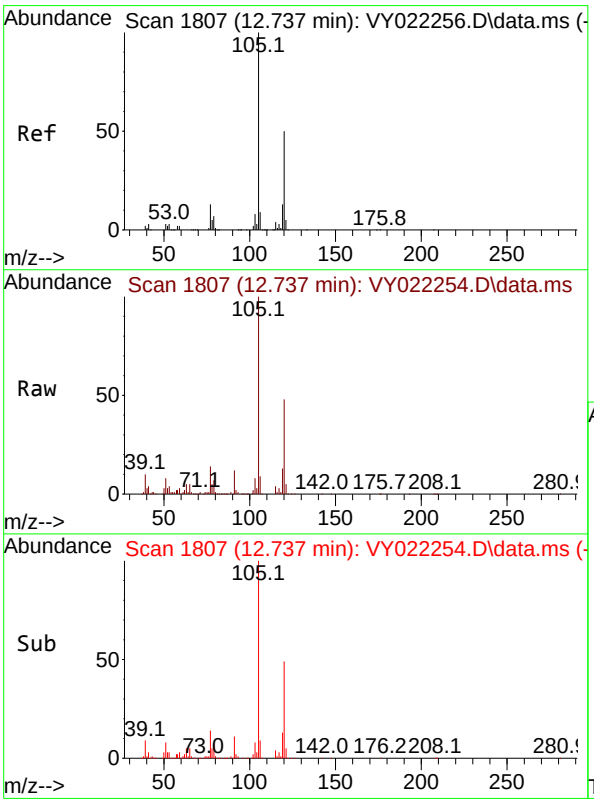
#79
2-Chlorotoluene
Concen: 10.146 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 95815

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

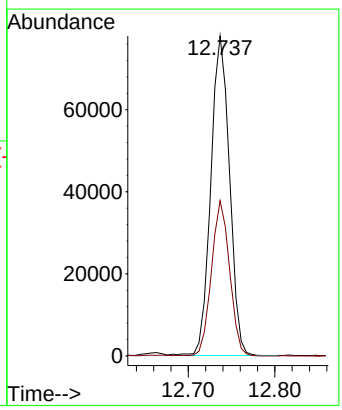


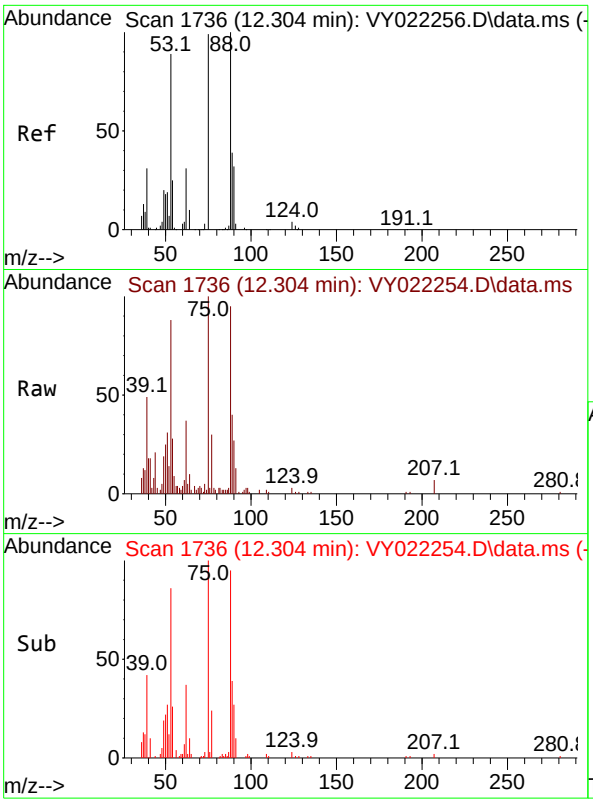


#80
1,3,5-Trimethylbenzene
Concen: 10.126 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 116461

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.2	72.6



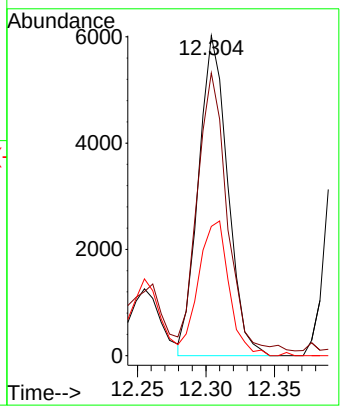


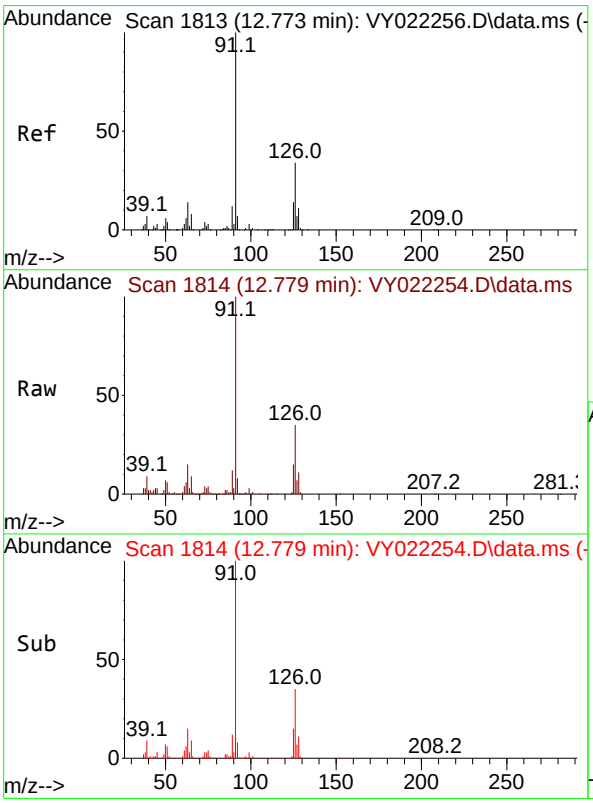
#81
trans-1,4-Dichloro-2-butene
Concen: 10.388 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 8934

Ion	Ratio	Lower	Upper
75	100		
53	87.6	75.8	113.8
89	44.0	36.2	54.2

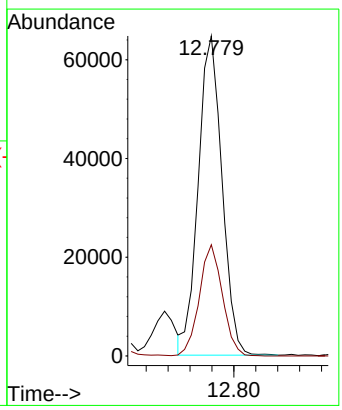


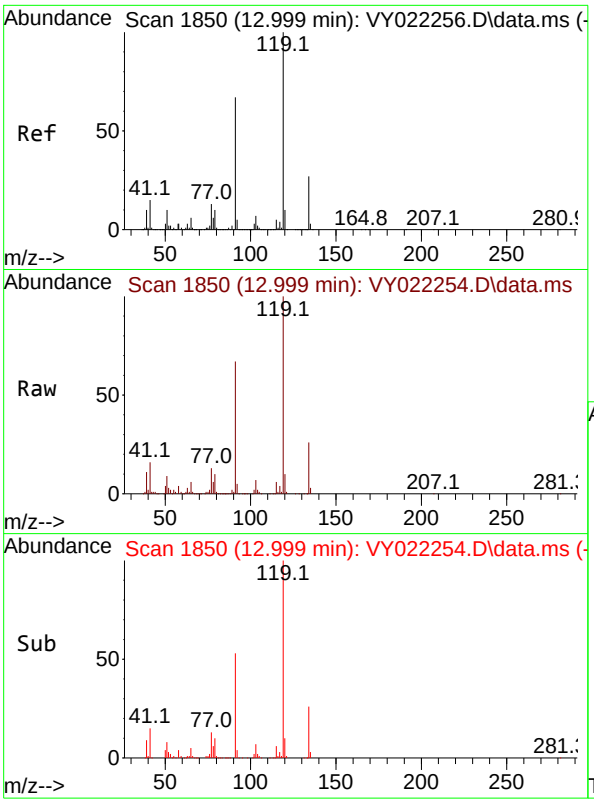


#82
4-Chlorotoluene
Concen: 10.018 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 97309

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4



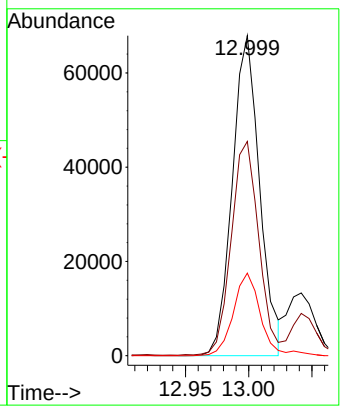


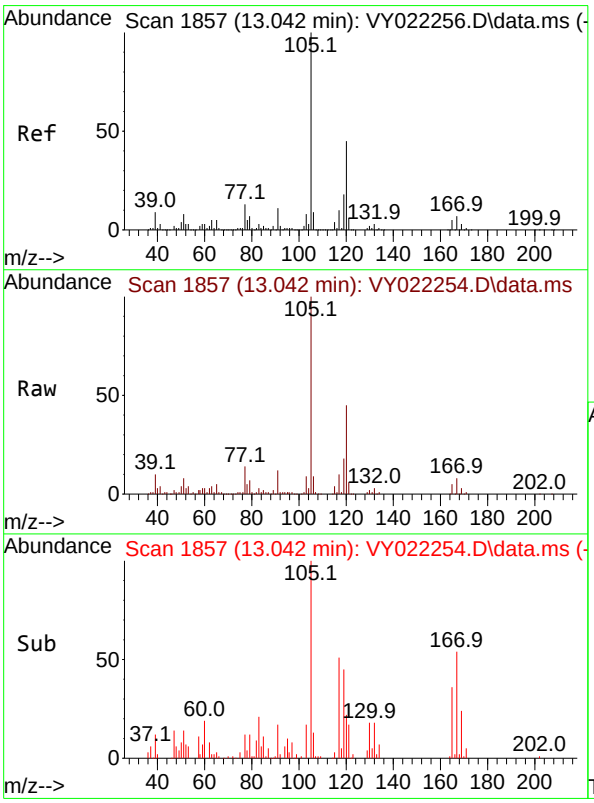
#83
tert-Butylbenzene
Concen: 10.005 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 102274

Ion	Ratio	Lower	Upper
119	100		
91	66.9	32.8	98.3
134	25.7	12.9	38.6

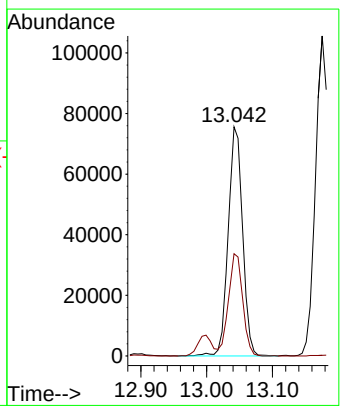


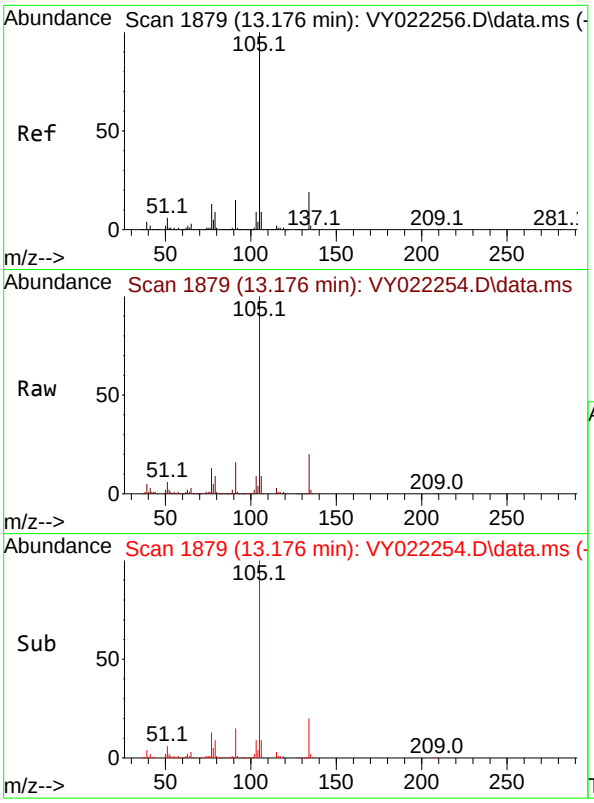


#84
1,2,4-Trimethylbenzene
Concen: 10.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 115175

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9



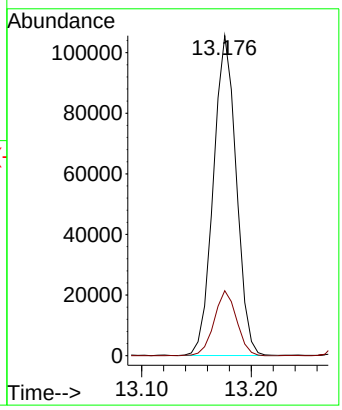


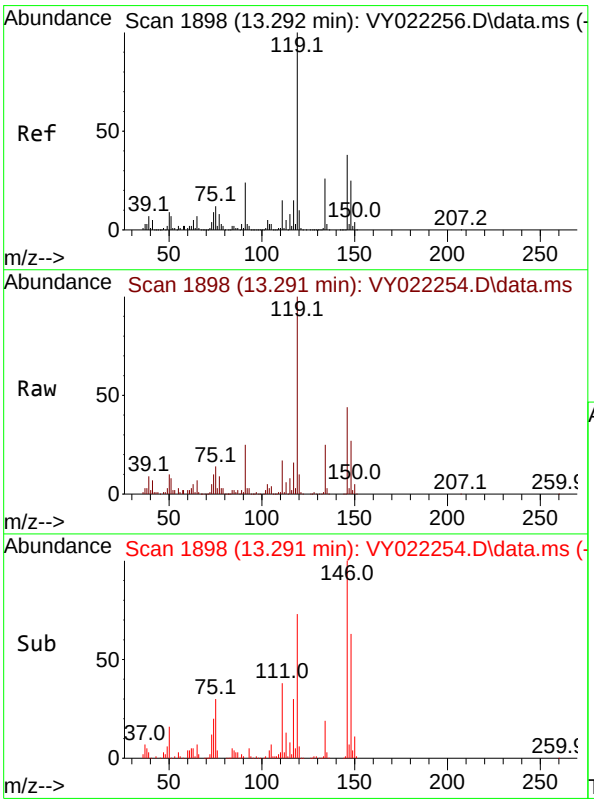
#85
sec-Butylbenzene
Concen: 10.112 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 153443

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

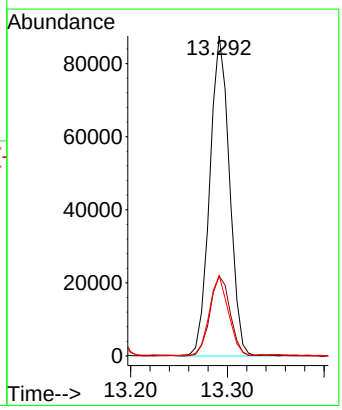


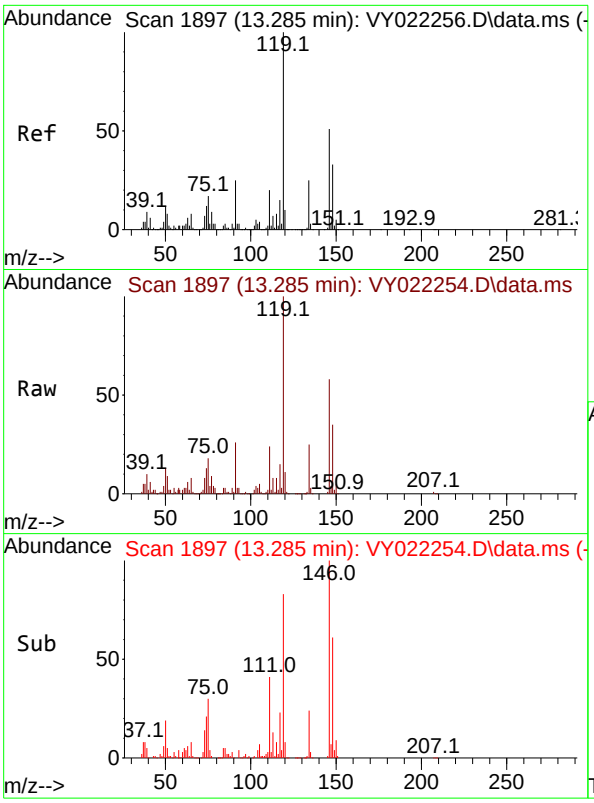


#86
p-Isopropyltoluene
Concen: 9.728 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:119 Resp: 124147

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	24.1	12.1	36.3



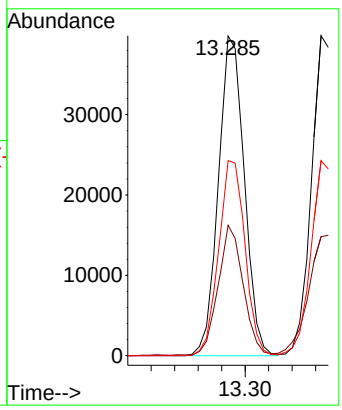


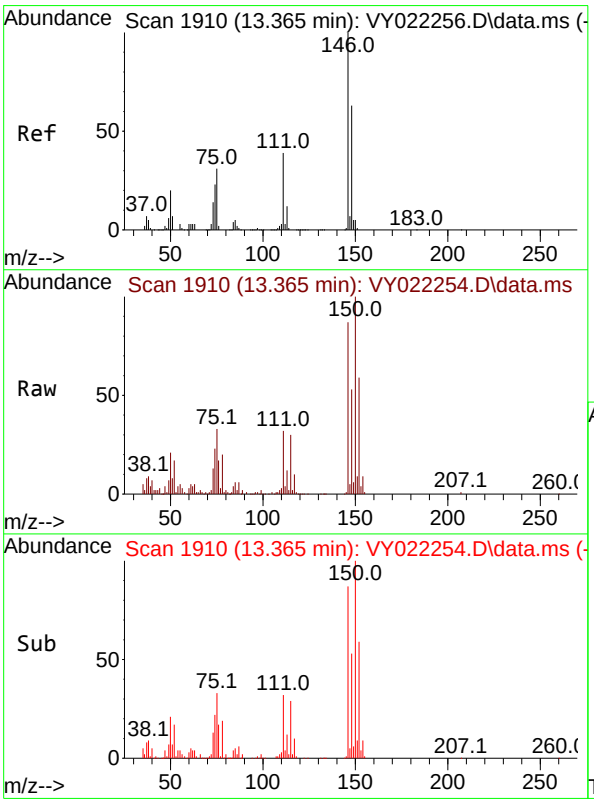
#87
1,3-Dichlorobenzene
Concen: 9.822 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 61011

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	62.1	31.9	95.7

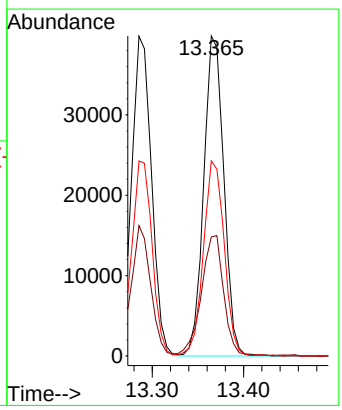


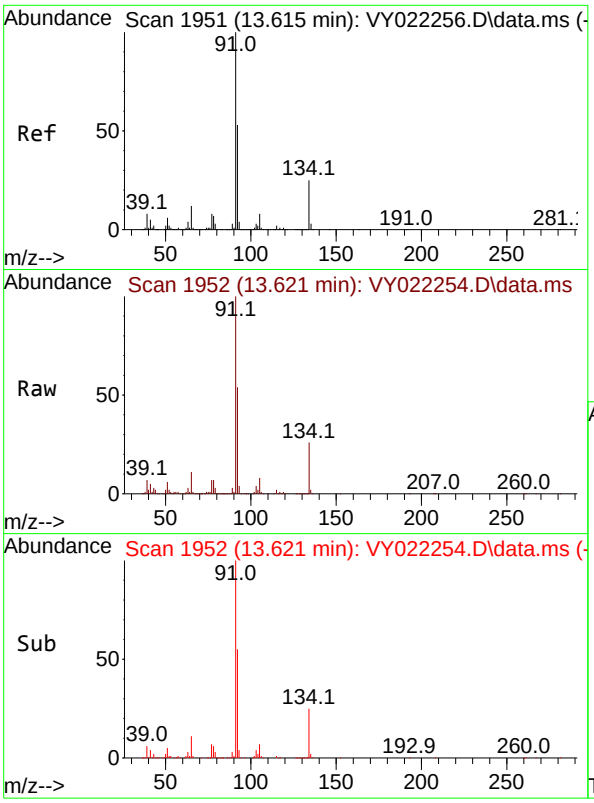


#88
1,4-Dichlorobenzene
Concen: 10.163 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 60723

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	59.9
148	62.5	32.1	96.5



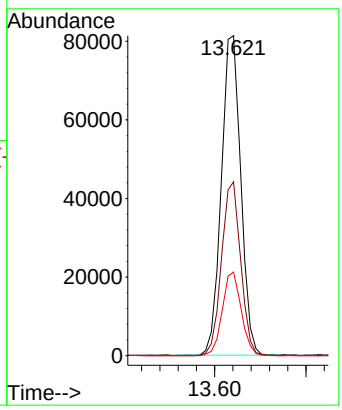


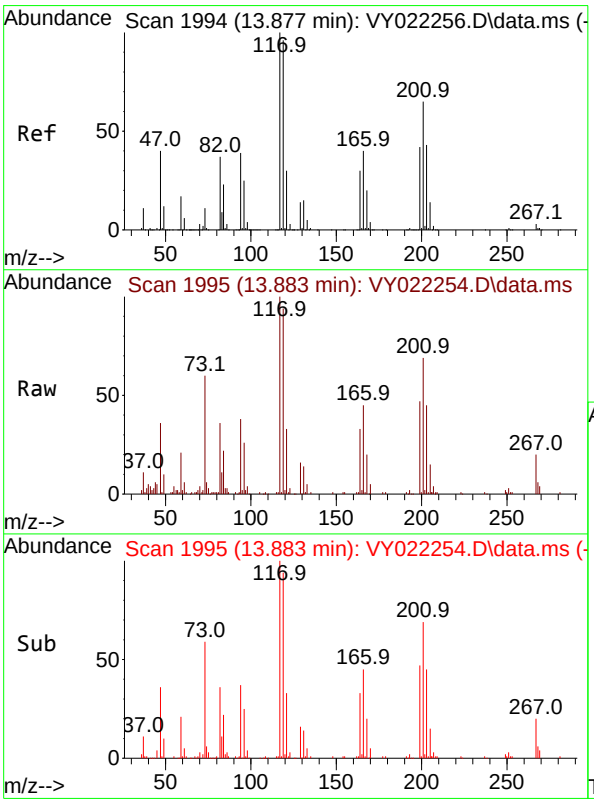
#89
n-Butylbenzene
Concen: 9.970 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 120371

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	25.5	12.4	37.4

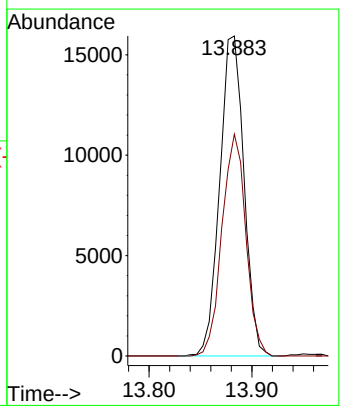


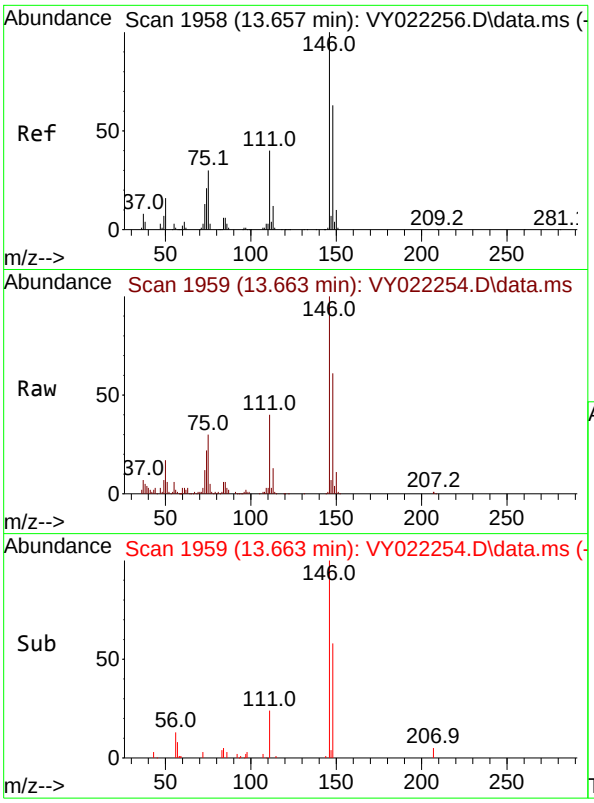


#90
Hexachloroethane
Concen: 10.127 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 26089

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6



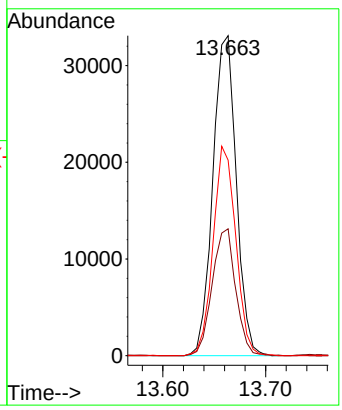


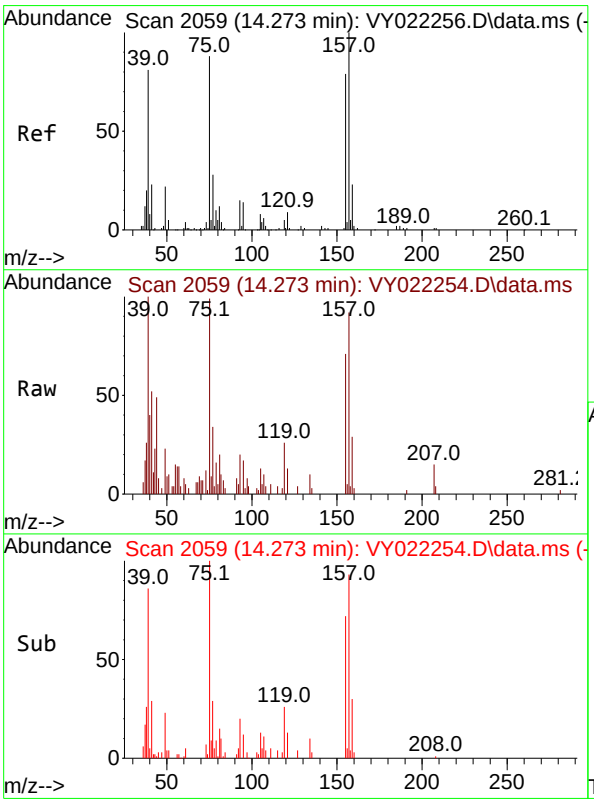
#91
1,2-Dichlorobenzene
Concen: 10.020 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 52282

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.5
148	63.5	32.0	96.0

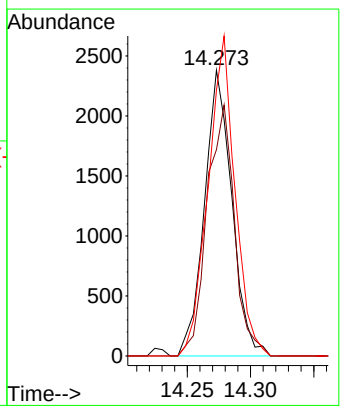


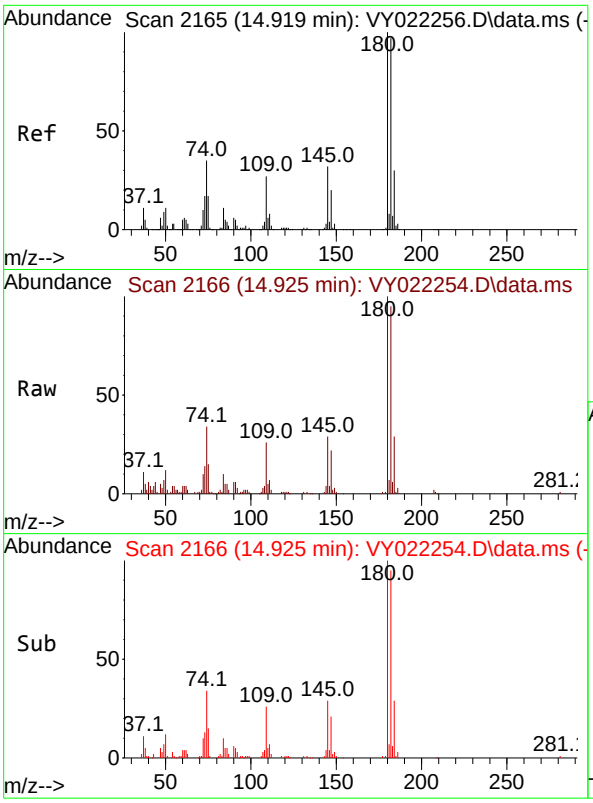


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.155 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 3588

Ion	Ratio	Lower	Upper
75	100		
155	88.0	43.4	130.1
157	109.8	54.6	163.9



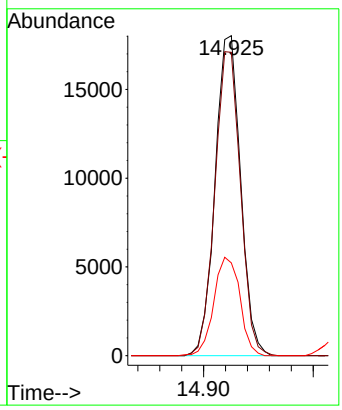


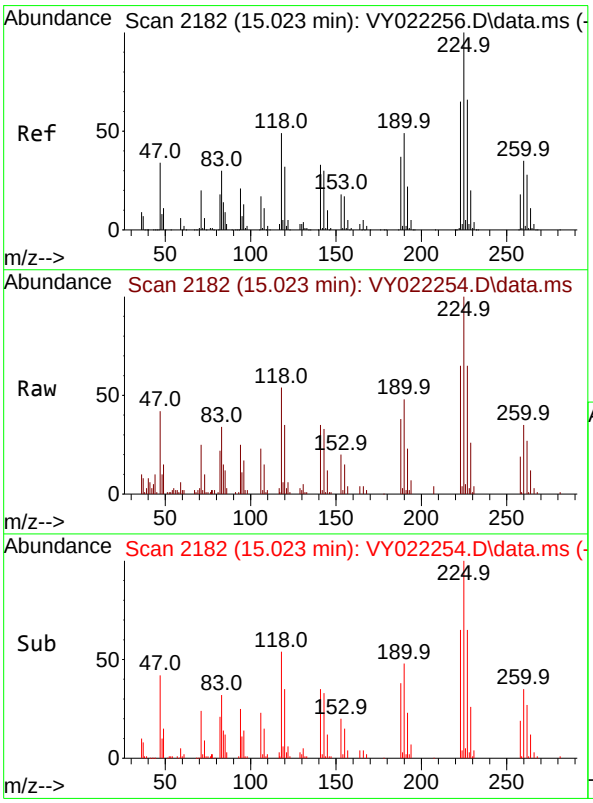
#93
1,2,4-Trichlorobenzene
Concen: 9.646 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 29073

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	31.4	15.0	45.1

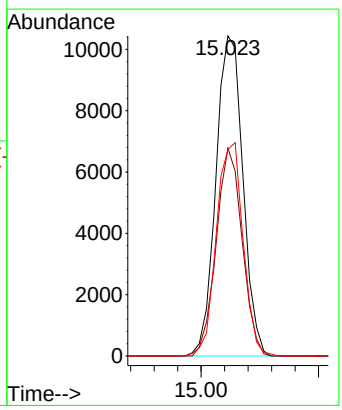


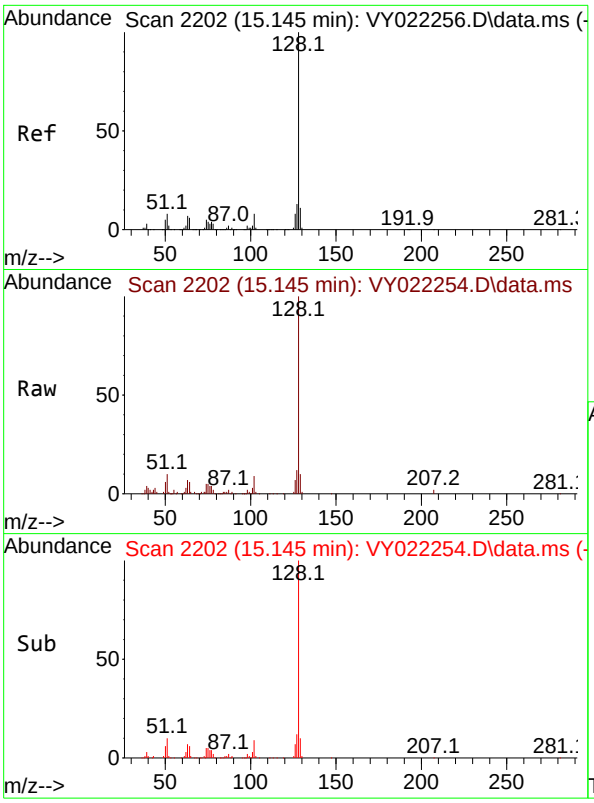


#94
Hexachlorobutadiene
Concen: 9.927 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:225 Resp: 16686

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	65.8	32.1	96.3



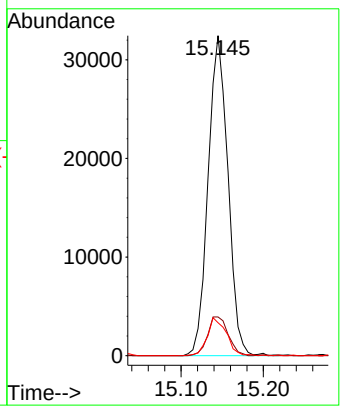


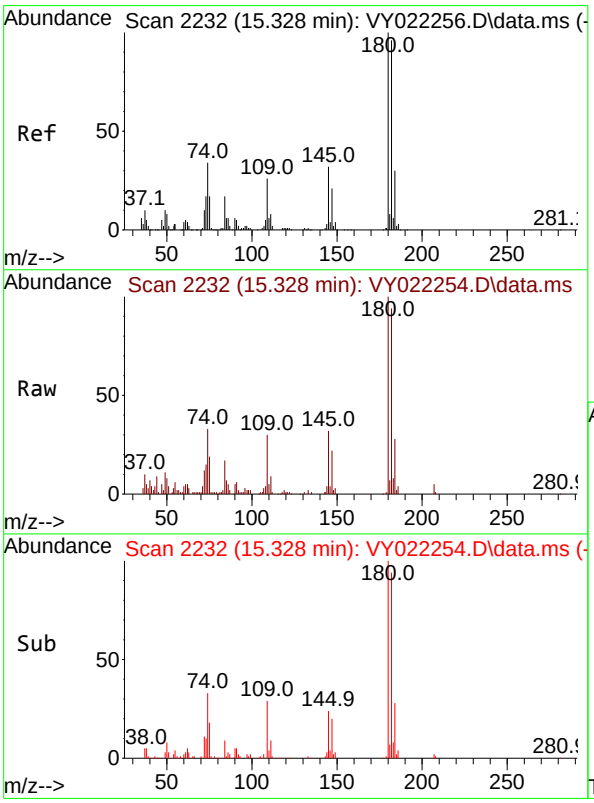
#95
Naphthalene
Concen: 9.495 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 54307

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.5	8.8	13.2

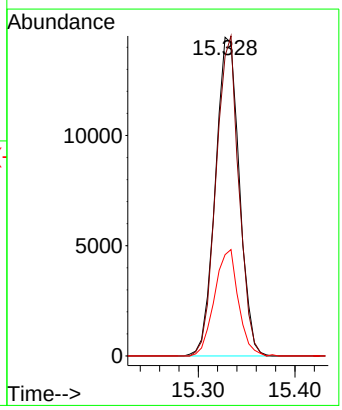




#96
1,2,3-Trichlorobenzene
Concen: 9.696 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:180 Resp: 24790

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	33.4	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	262008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55221	19.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.560%#		
35) Dibromofluoromethane	7.634	113	51670	19.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.360%#		
50) Toluene-d8	10.109	98	210206	19.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.100%#		
62) 4-Bromofluorobenzene	12.408	95	64706	18.988	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	56737	20.753	ug/l	99
3) Chloromethane	2.068	50	120819	21.008	ug/l	97
4) Vinyl Chloride	2.202	62	132511	20.623	ug/l	96
5) Bromomethane	2.592	94	110855	21.194	ug/l	99
6) Chloroethane	2.732	64	83451	20.877	ug/l	99
7) Trichlorofluoromethane	3.050	101	132029	20.295	ug/l	97
8) Diethyl Ether	3.458	74	29651	18.993	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	57012	20.187	ug/l	98
10) Methyl Iodide	4.001	142	65018	19.891	ug/l	98
11) Tert butyl alcohol	4.872	59	19585	89.565	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	56630	20.206	ug/l	98
13) Acrolein	3.653	56	30106	94.178	ug/l	91
14) Allyl chloride	4.385	41	99483	20.244	ug/l	100
15) Acrylonitrile	5.061	53	60119	93.456	ug/l	100
16) Acetone	3.873	43	50198	93.491	ug/l	96
17) Carbon Disulfide	4.104	76	184860	20.228	ug/l	99
18) Methyl Acetate	4.391	43	29969	18.344	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	145976	18.890	ug/l	100
20) Methylene Chloride	4.616	84	67687	19.510	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	63174	20.422	ug/l	97
22) Diisopropyl ether	6.019	45	202960	19.558	ug/l	99
23) Vinyl Acetate	5.958	43	594019	94.748	ug/l	99
24) 1,1-Dichloroethane	5.915	63	115217	19.873	ug/l	99
25) 2-Butanone	6.896	43	82768	92.157	ug/l	93
26) 2,2-Dichloropropane	6.890	77	101725	19.727	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	70008	19.611	ug/l	98
28) Bromochloromethane	7.244	49	48933	19.787	ug/l	100
29) Tetrahydrofuran	7.262	42	53229	92.122	ug/l	98
30) Chloroform	7.421	83	111815	20.107	ug/l	98
31) Cyclohexane	7.695	56	112876	19.486	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	100618	19.721	ug/l	100
36) 1,1-Dichloropropene	7.835	75	85789	19.841	ug/l	99
37) Ethyl Acetate	6.988	43	38482	18.497	ug/l	99
38) Carbon Tetrachloride	7.817	117	86871	19.410	ug/l	98
39) Methylcyclohexane	9.109	83	113511	19.540	ug/l	98
40) Benzene	8.079	78	252507	19.700	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.213	41	22254	14.619 ug/l #	83
42) 1,2-Dichloroethane	8.158	62	66525	19.192 ug/l	99
43) Isopropyl Acetate	8.201	43	84532	18.631 ug/l	97
44) Trichloroethene	8.866	130	63438	19.904 ug/l	96
45) 1,2-Dichloropropane	9.140	63	60438	19.557 ug/l	100
46) Dibromomethane	9.231	93	31752	19.050 ug/l	99
47) Bromodichloromethane	9.426	83	83823	19.385 ug/l	96
48) Methyl methacrylate	9.219	41	39387	18.563 ug/l	99
49) 1,4-Dioxane	9.237	88	7312	388.323 ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	202454	90.940 ug/l	99
52) Toluene	10.170	92	156498	19.281 ug/l	100
53) t-1,3-Dichloropropene	10.396	75	80413	19.056 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	94074	19.458 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	40872	19.149 ug/l	99
56) Ethyl methacrylate	10.438	69	62193	18.706 ug/l	97
57) 1,3-Dichloropropane	10.713	76	72715	19.175 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	126240	84.595 ug/l	99
59) 2-Hexanone	10.762	43	132496	88.766 ug/l	100
60) Dibromochloromethane	10.914	129	52353	18.898 ug/l	98
61) 1,2-Dibromoethane	11.012	107	37735	18.969 ug/l	99
64) Tetrachloroethene	10.646	164	69548	20.332 ug/l	98
65) Chlorobenzene	11.438	112	163725	19.610 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	55078	19.189 ug/l	98
67) Ethyl Benzene	11.518	91	303375	19.402 ug/l	99
68) m/p-Xylenes	11.627	106	225990	38.355 ug/l	100
69) o-Xylene	11.956	106	106998	19.194 ug/l	100
70) Styrene	11.969	104	179114	19.048 ug/l	99
71) Bromoform	12.133	173	28788	18.582 ug/l #	98
73) Isopropylbenzene	12.255	105	282895	19.795 ug/l	100
74) N-amyl acetate	12.072	43	76841	18.799 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40064	18.228 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	62275	20.483 ug/l #	100
77) Bromobenzene	12.530	156	58515	19.170 ug/l	99
78) n-propylbenzene	12.597	91	338383	19.630 ug/l	99
79) 2-Chlorotoluene	12.682	91	185872	19.621 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	225966	19.587 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16653	19.302 ug/l	97
82) 4-Chlorotoluene	12.779	91	189350	19.433 ug/l	100
83) tert-Butylbenzene	12.999	119	200101	19.515 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	221194	19.315 ug/l	98
85) sec-Butylbenzene	13.176	105	297975	19.576 ug/l	100
86) p-Isopropyltoluene	13.292	119	246569	19.261 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	118336	18.991 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	117705	19.638 ug/l	99
89) n-Butylbenzene	13.615	91	240857	19.887 ug/l	99
90) Hexachloroethane	13.877	117	50762	19.643 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	102077	19.502 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6387	18.021 ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	58490	19.346 ug/l	99
94) Hexachlorobutadiene	15.023	225	34228	20.301 ug/l	100
95) Naphthalene	15.145	128	105350	18.362 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	48444	18.888 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

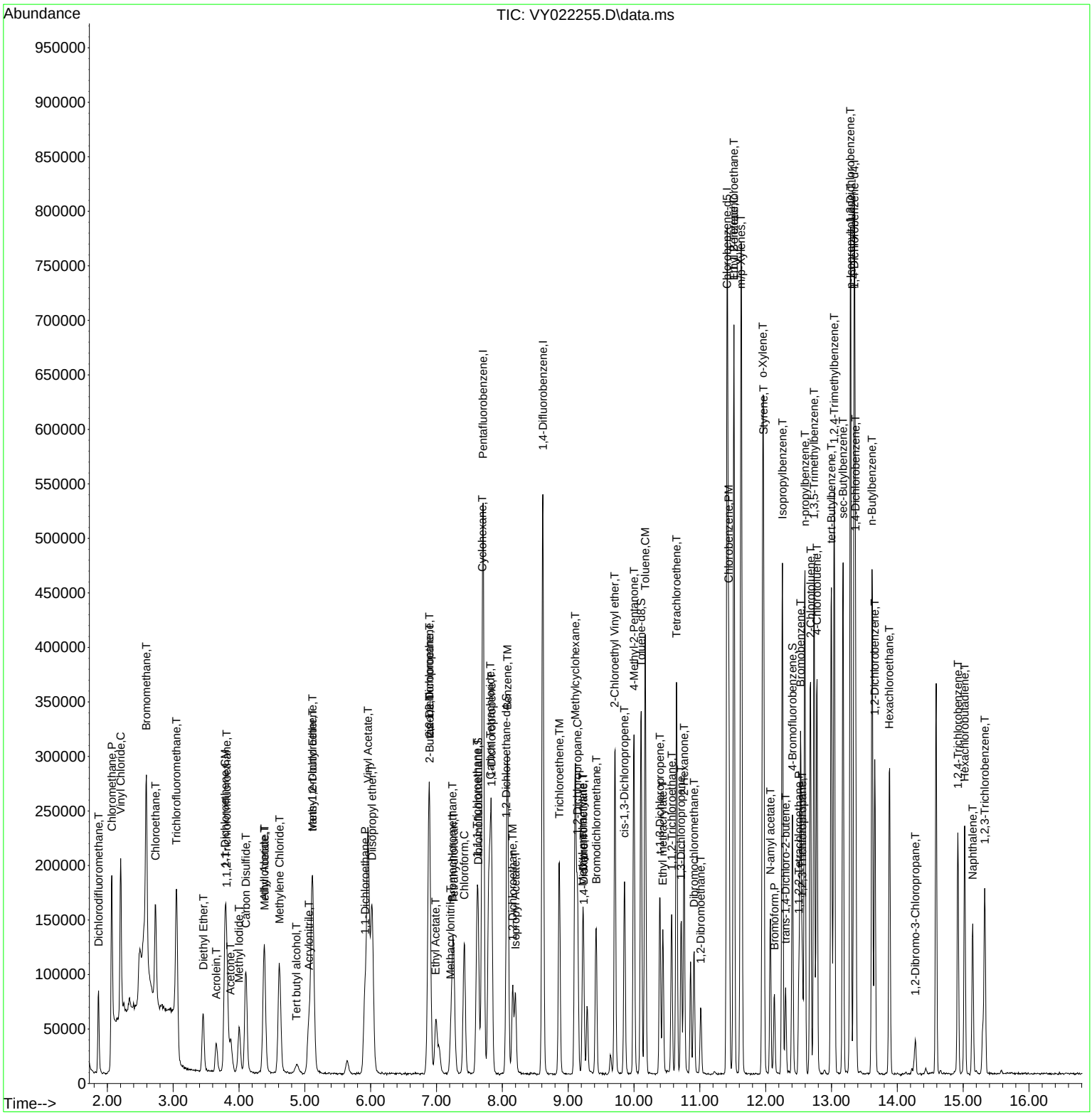
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

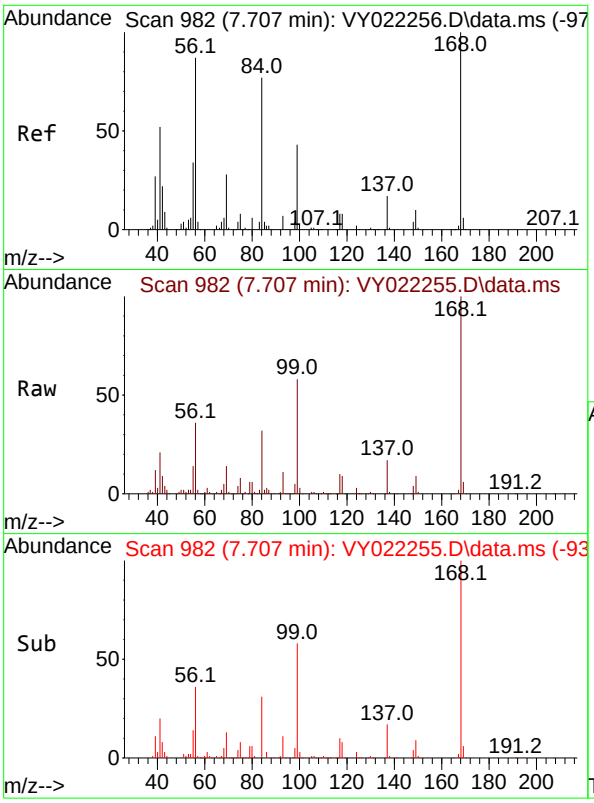
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration



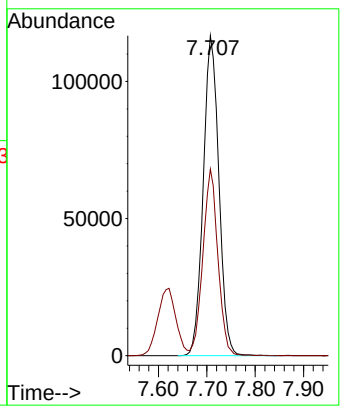


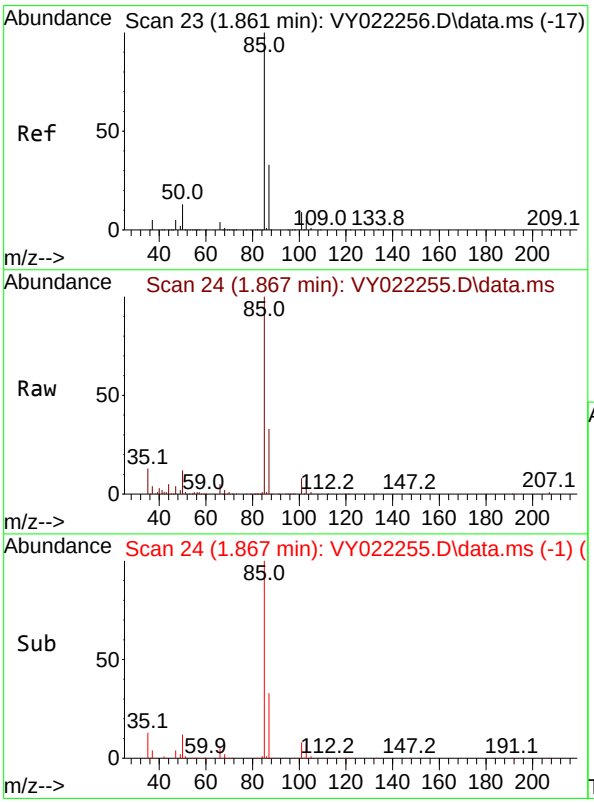
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 262008

Ion	Ratio	Lower	Upper
168	100		
99	58.3	44.2	66.4

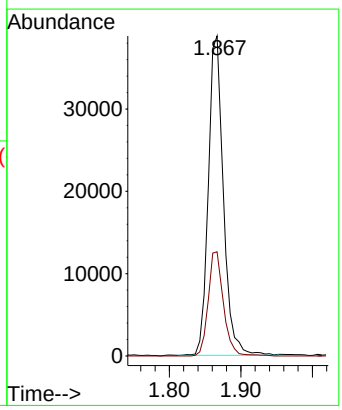


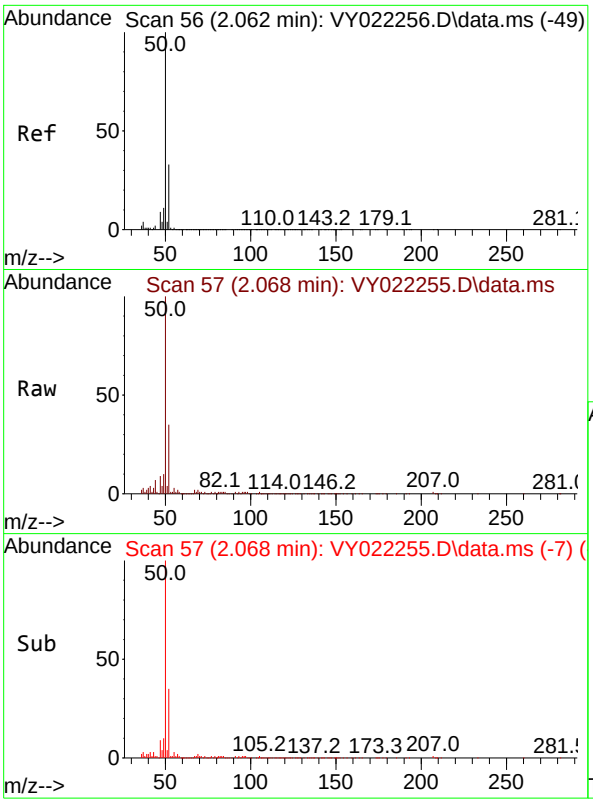


#2
Dichlorodifluoromethane
Concen: 20.753 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 85 Resp: 56737

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5



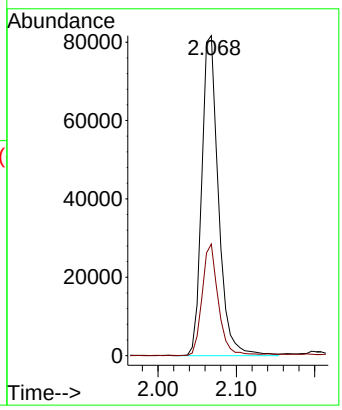


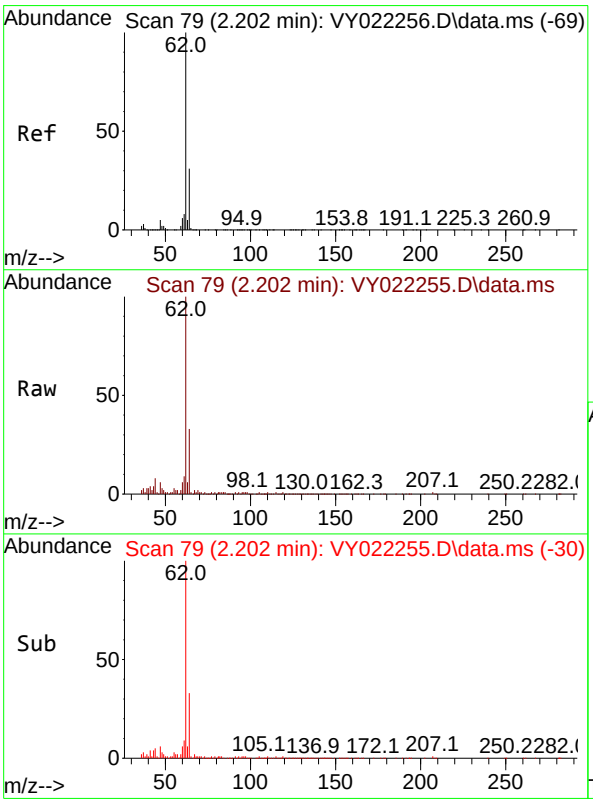
#3
Chloromethane
Concen: 21.008 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 120819

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.5	39.7

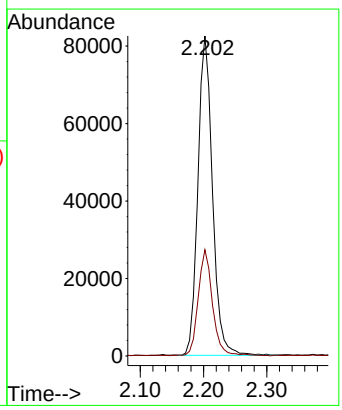


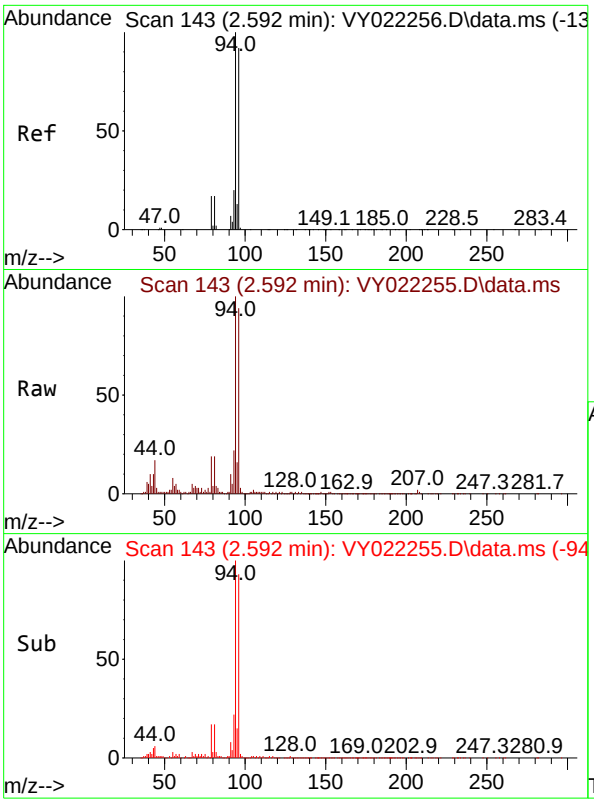


#4
Vinyl Chloride
Concen: 20.623 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 132511

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7



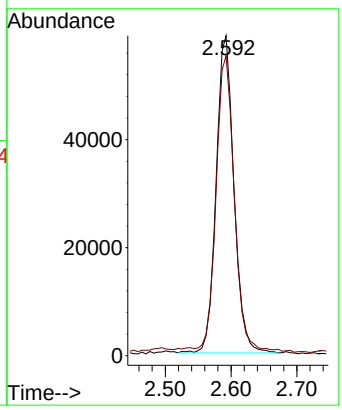


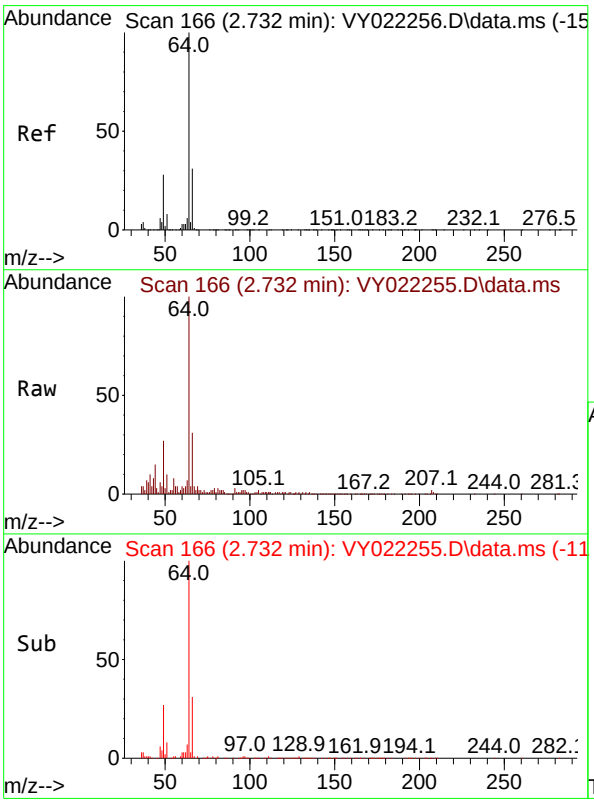
#5
Bromomethane
Concen: 21.194 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 110855

Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.4	110.0

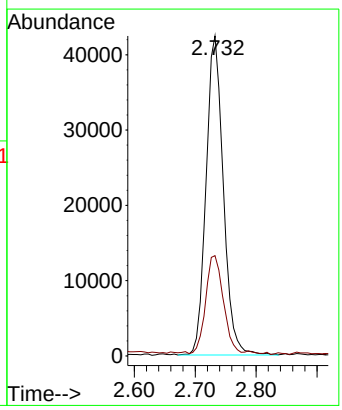


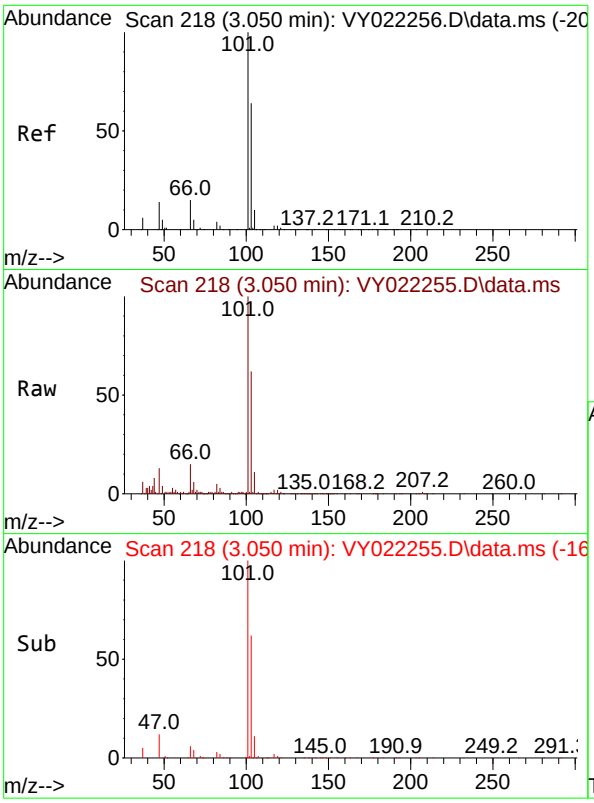


#6
Chloroethane
Concen: 20.877 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 64 Resp: 83451

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.8	37.2



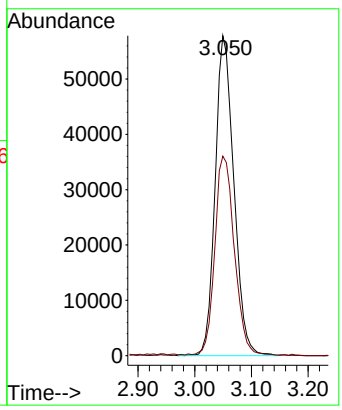


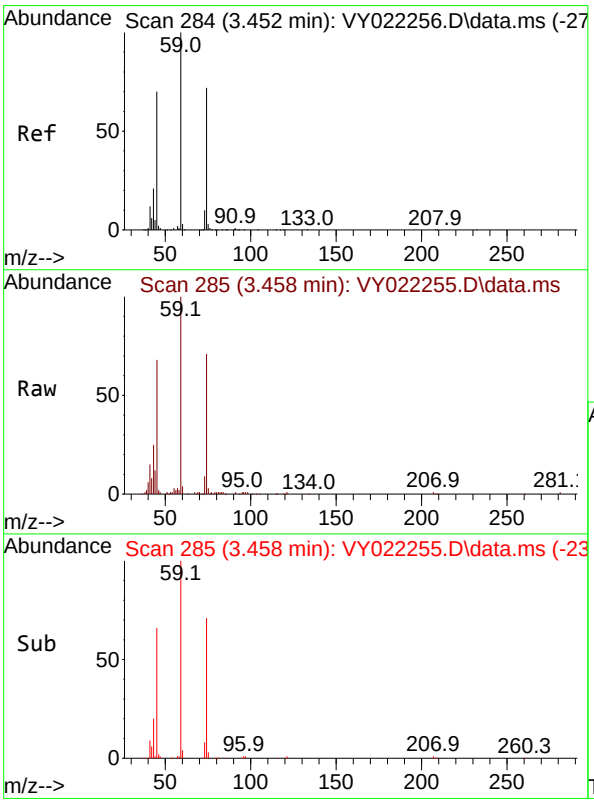
#7
Trichlorofluoromethane
Concen: 20.295 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 132029

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.7	77.5

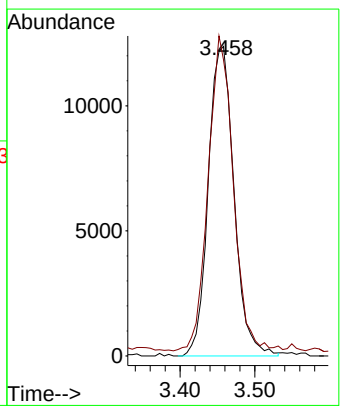


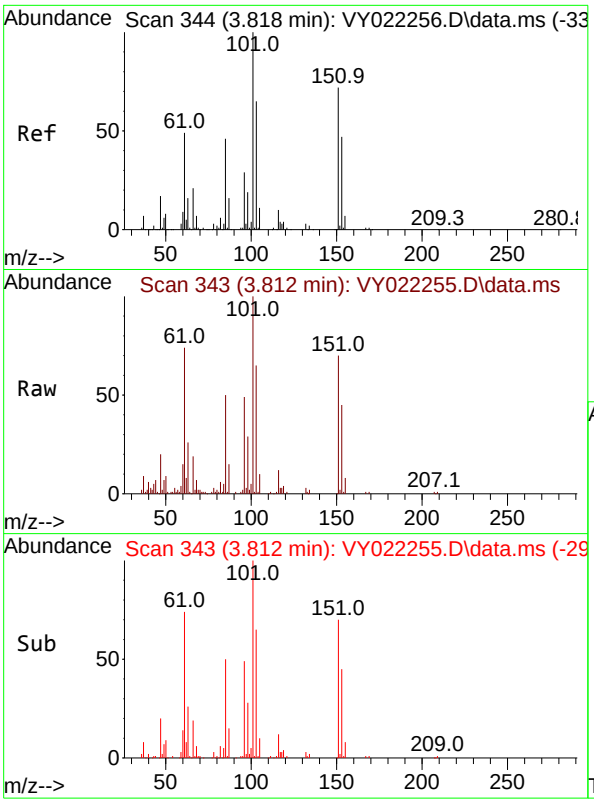


#8
Diethyl Ether
Concen: 18.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 74 Resp: 29651

Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.6	145.8



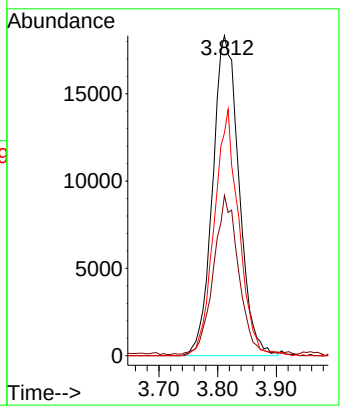


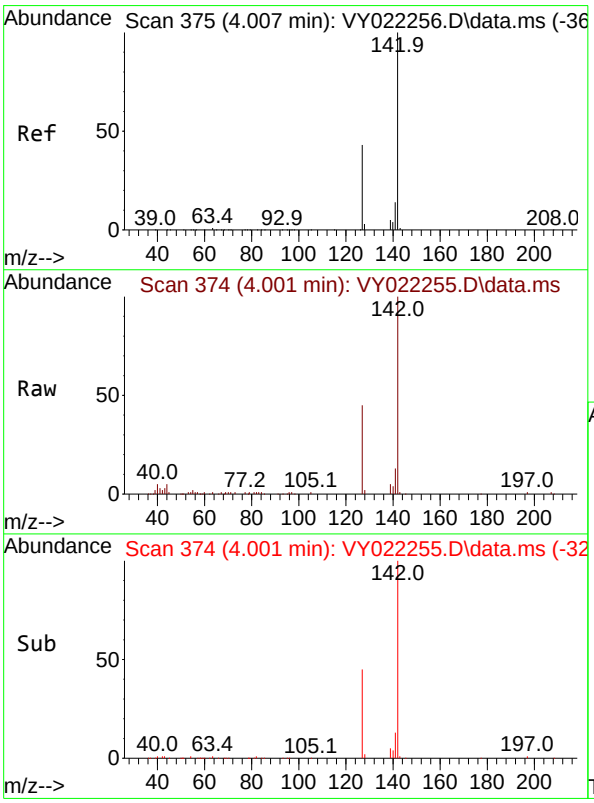
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.187 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 57012

Ion	Ratio	Lower	Upper
101	100		
85	47.7	38.6	58.0
151	71.9	59.7	89.5

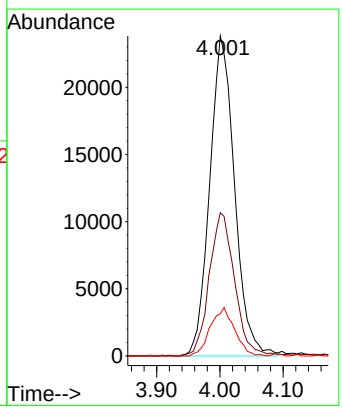


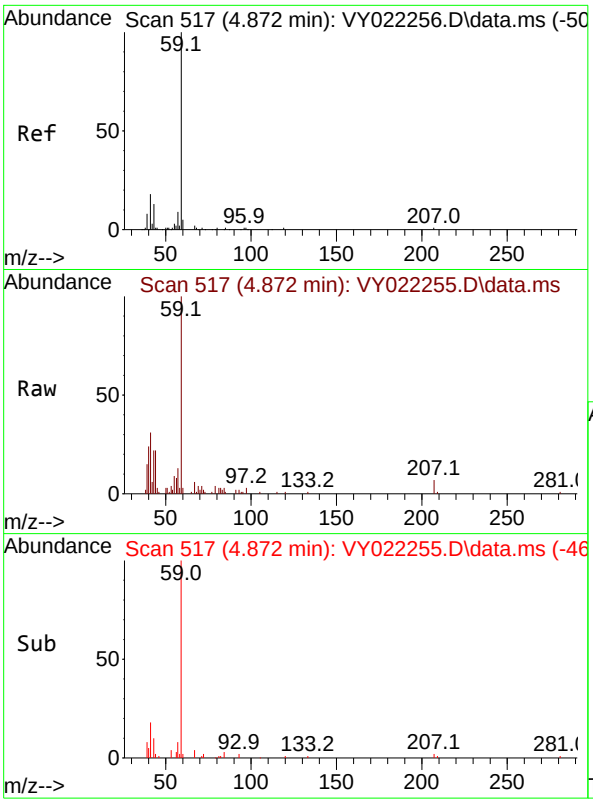


#10
Methyl Iodide
Concen: 19.891 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:142 Resp: 65018

Ion	Ratio	Lower	Upper
142	100		
127	45.5	35.7	53.5
141	14.8	11.1	16.7



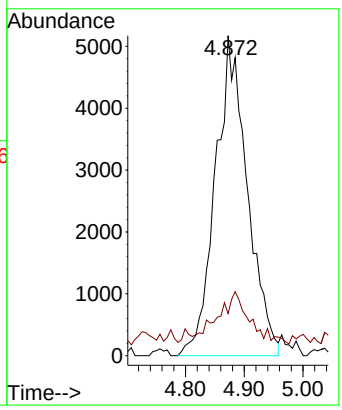


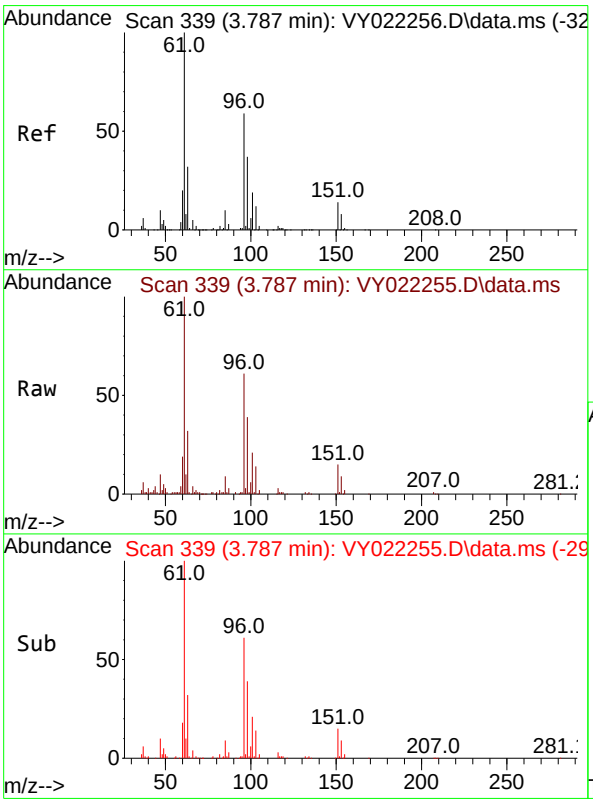
#11
Tert butyl alcohol
Concen: 89.565 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 19585

Ion	Ratio	Lower	Upper
59	100		
57	16.5	0.0	0.0#

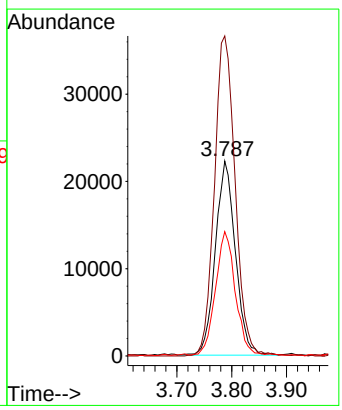


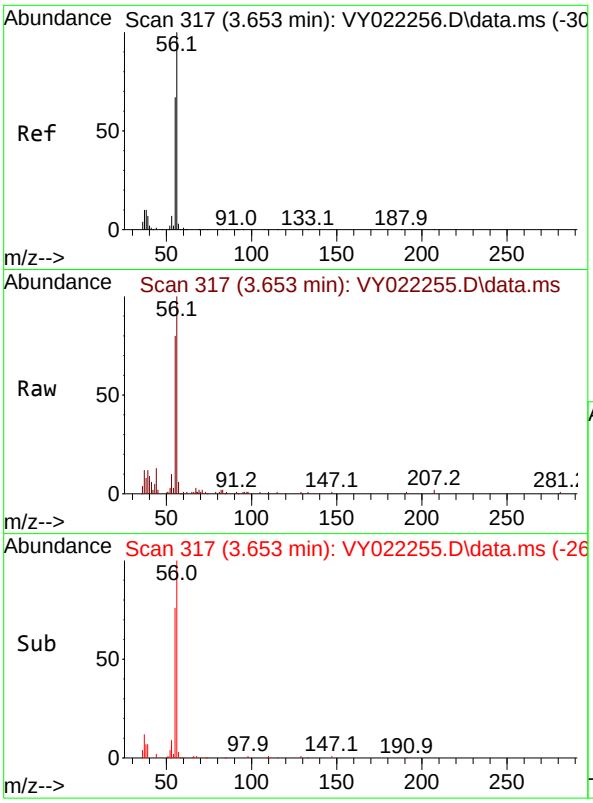


#12
1,1-Dichloroethene
Concen: 20.206 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 56630

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.9	202.3
98	63.5	49.9	74.9



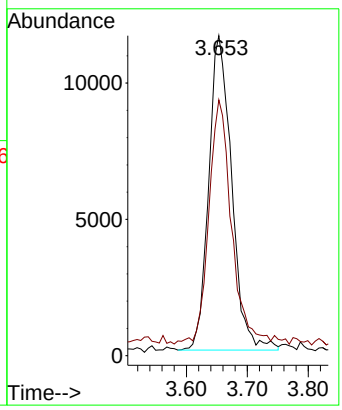


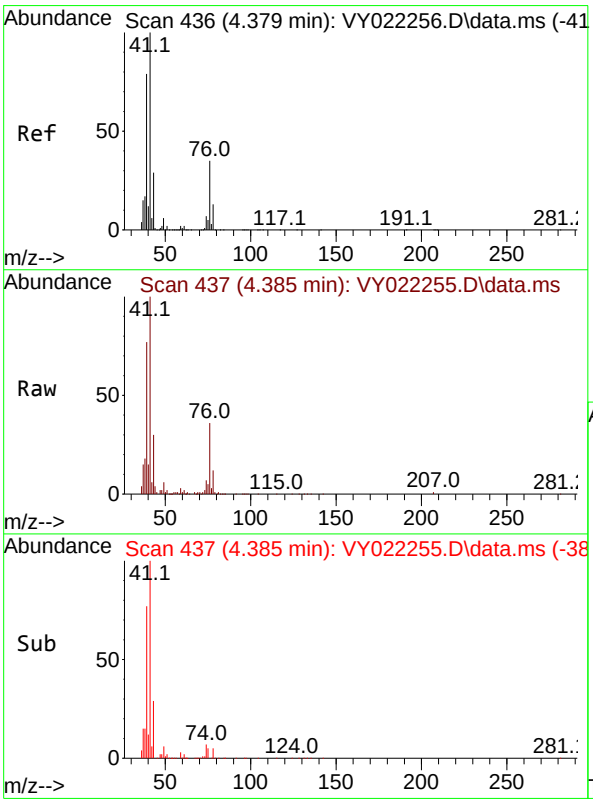
#13
Acrolein
Concen: 94.178 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 30106

Ion	Ratio	Lower	Upper
56	100		
55	76.6	55.6	83.4

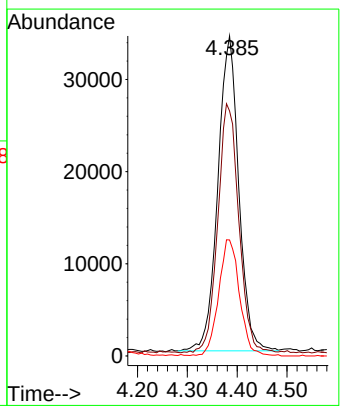


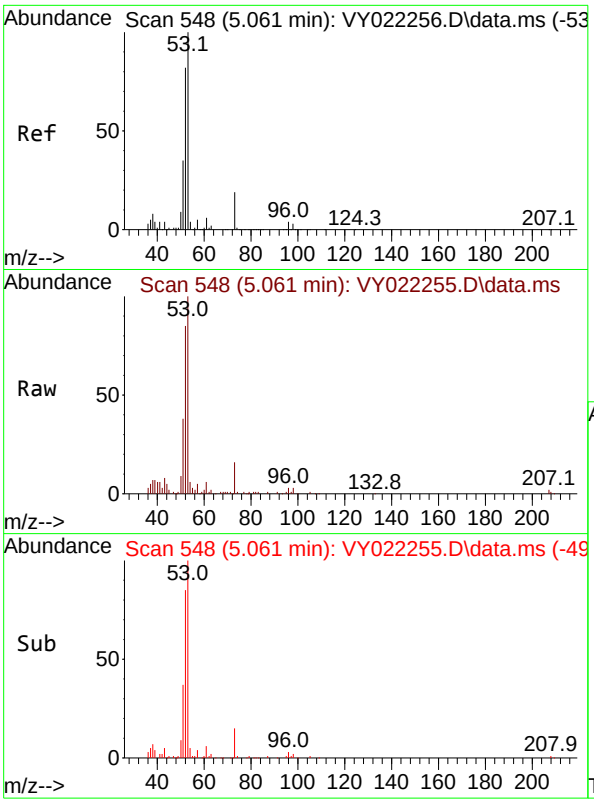


#14
Allyl chloride
Concen: 20.244 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 99483

Ion	Ratio	Lower	Upper
41	100		
39	79.7	63.4	95.0
76	37.1	29.5	44.3



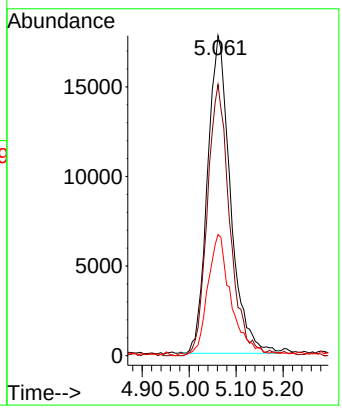


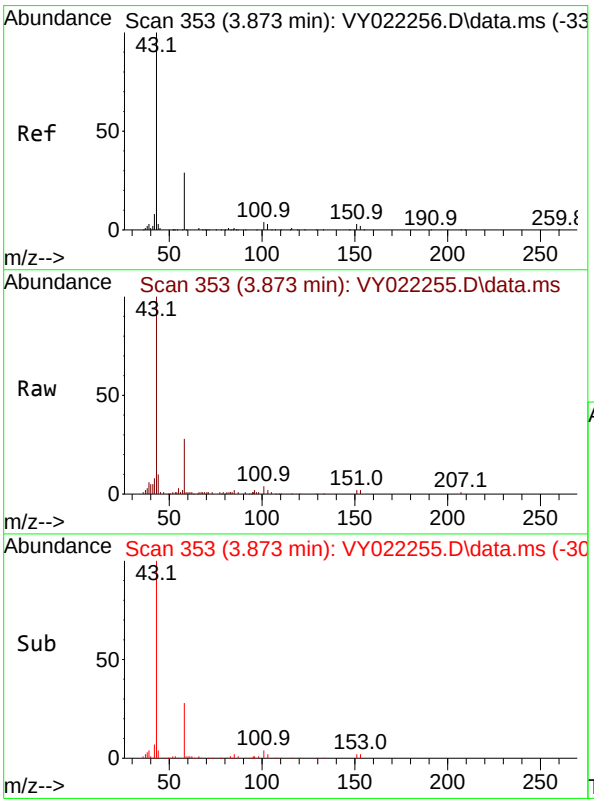
#15
Acrylonitrile
Concen: 93.456 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 60119

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	37.6	30.0	45.0

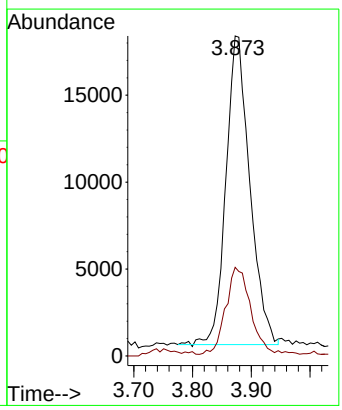


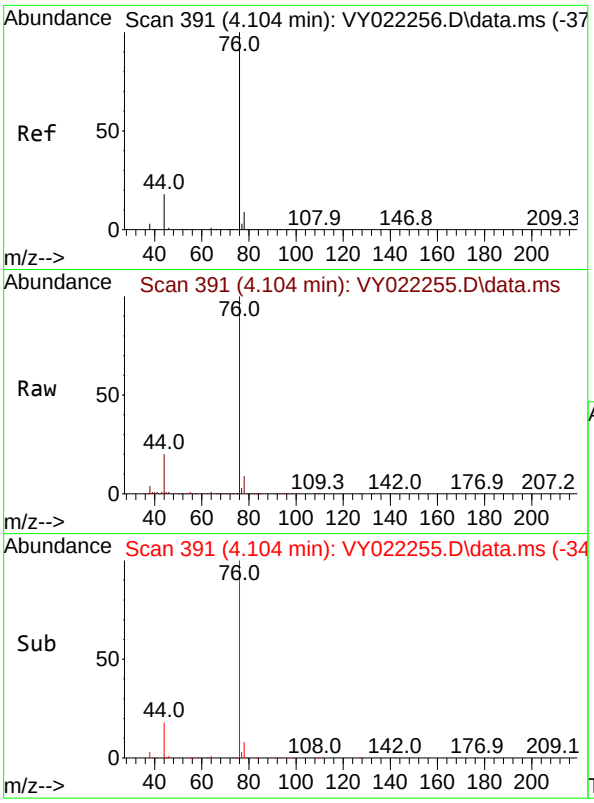


#16
Acetone
Concen: 93.491 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 50198

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.6	35.4



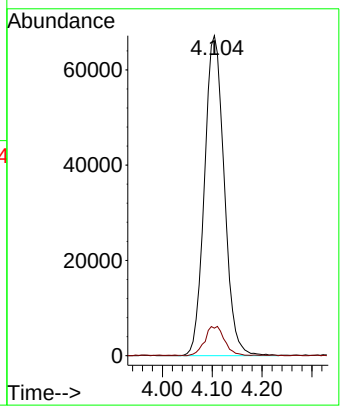


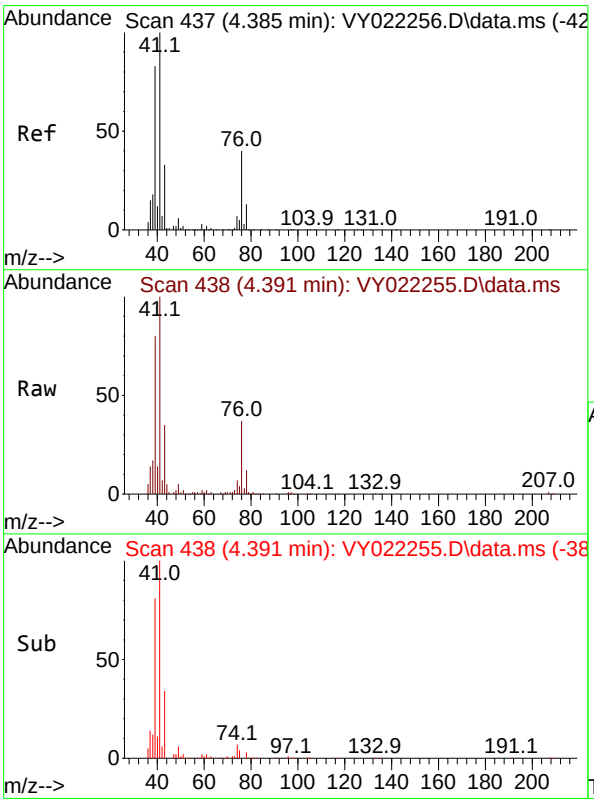
#17
Carbon Disulfide
Concen: 20.228 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 184860

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

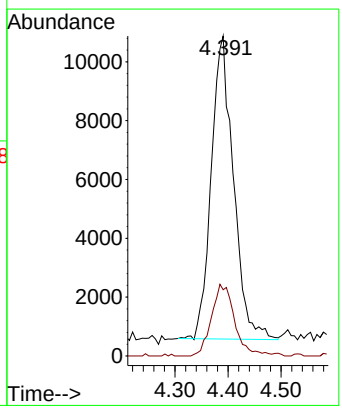


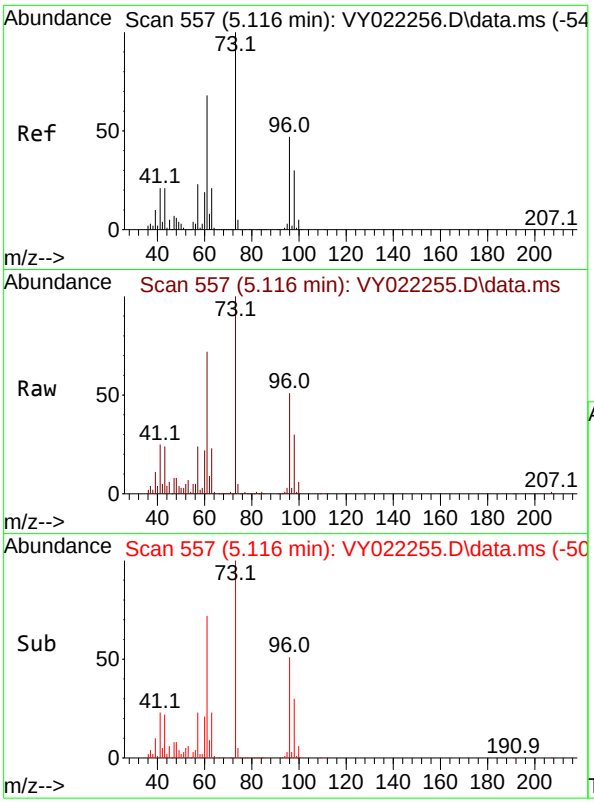


#18
Methyl Acetate
Concen: 18.344 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 29969

Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.2	27.4



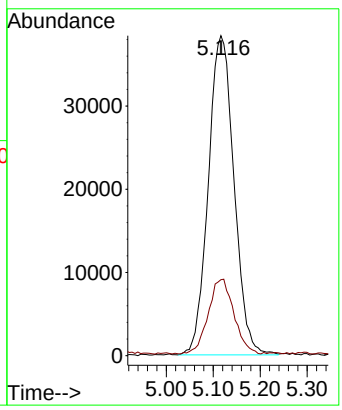


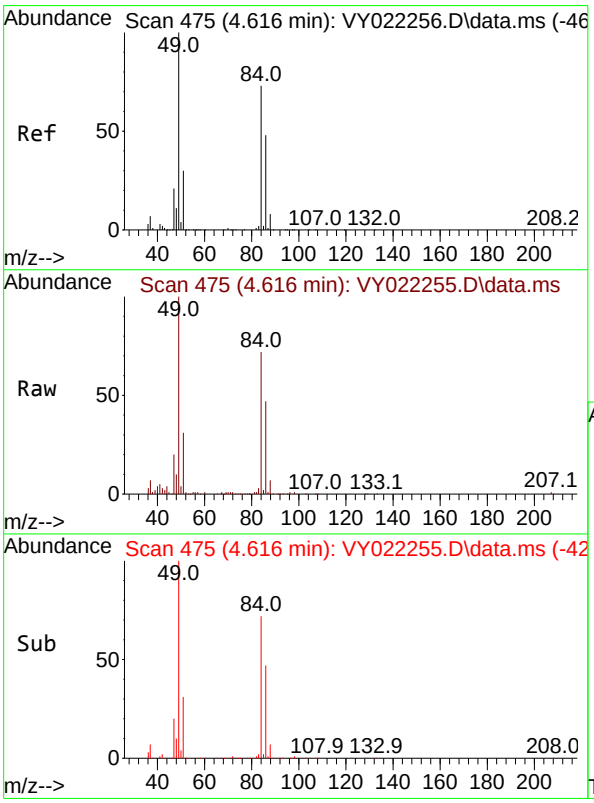
#19
Methyl tert-butyl Ether
Concen: 18.890 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 145976

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.6	28.0

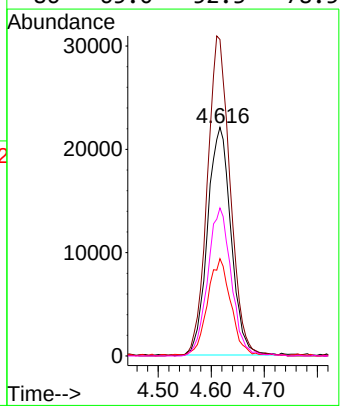


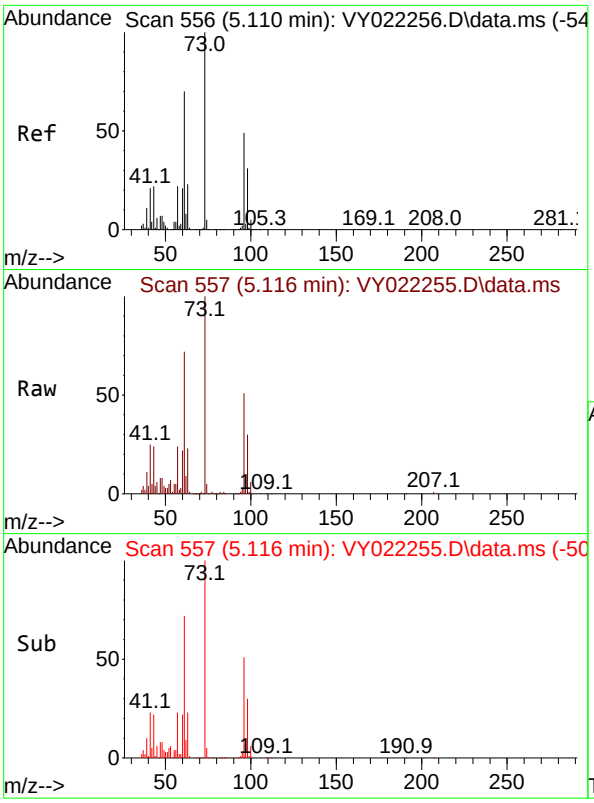


#20
Methylene Chloride
Concen: 19.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 84 Resp: 67687

Ion	Ratio	Lower	Upper
84	100		
49	138.7	109.6	164.4
51	42.3	32.4	48.6
86	65.0	52.3	78.5



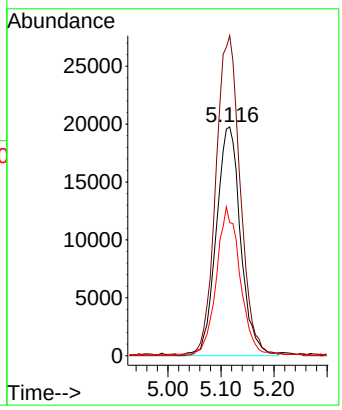


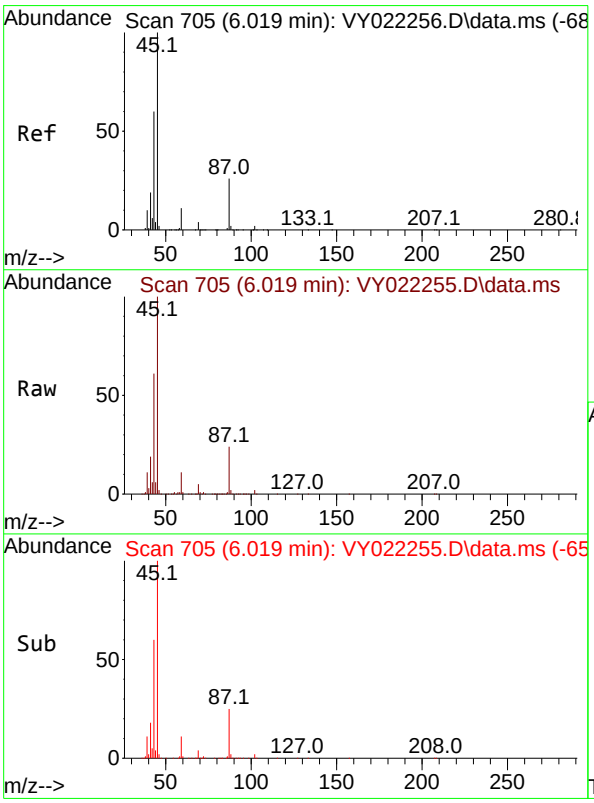
#21
trans-1,2-Dichloroethene
Concen: 20.422 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 63174

Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.4	170.0
98	57.5	50.9	76.3

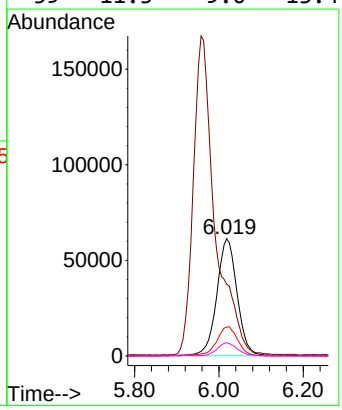


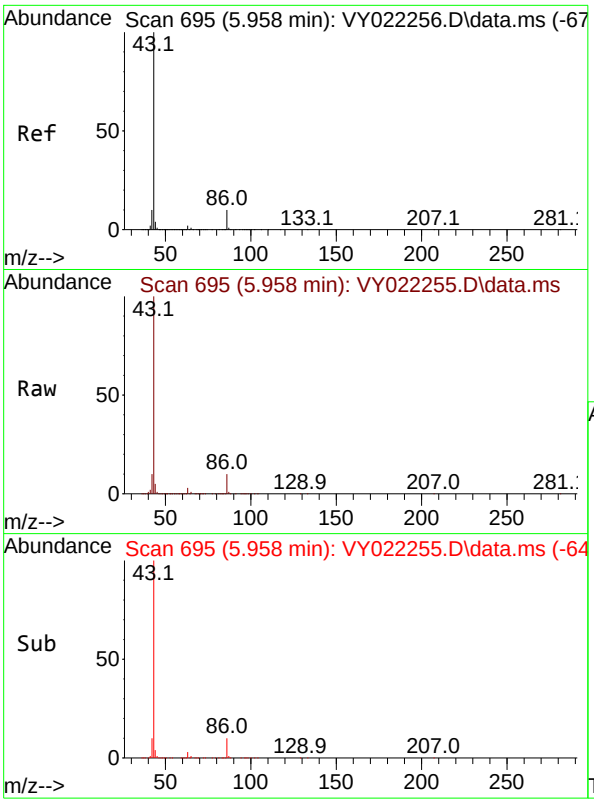


#22
Diisopropyl ether
Concen: 19.558 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 45 Resp: 202960

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	24.5	21.4	32.0
59	11.3	9.0	13.4



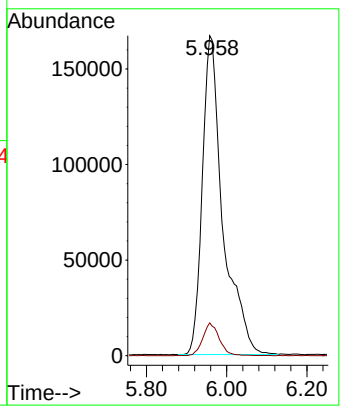


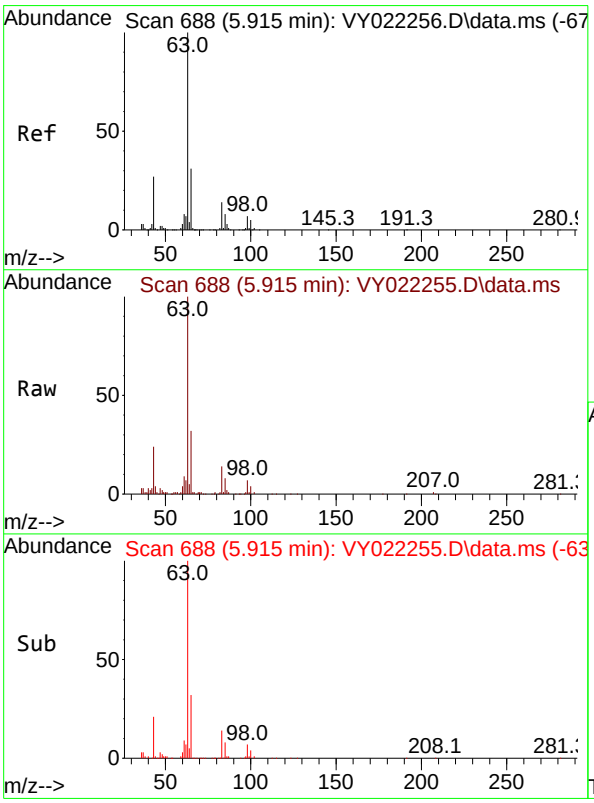
#23
Vinyl Acetate
Concen: 94.748 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 594019

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

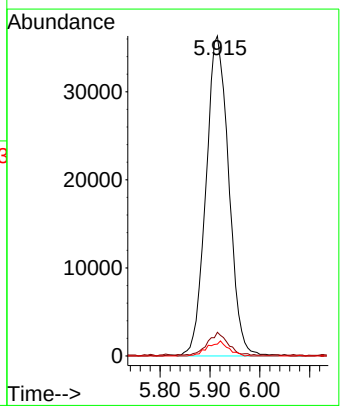


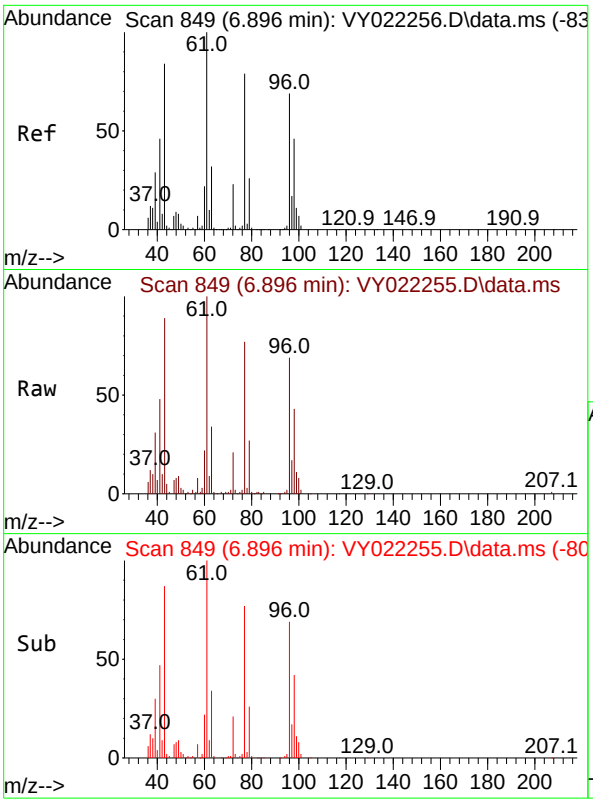


#24
1,1-Dichloroethane
Concen: 19.873 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 115217

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	3.7	2.4	7.2



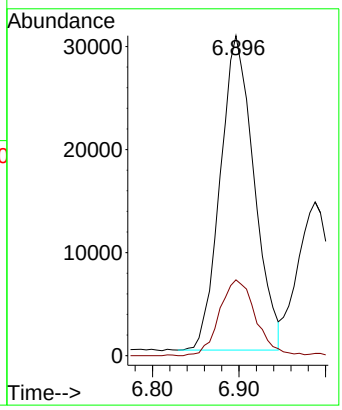


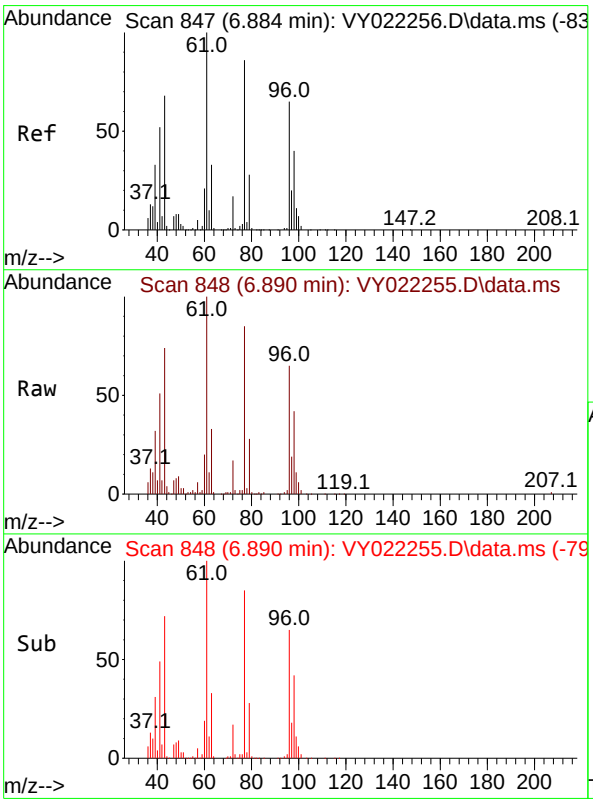
#25
2-Butanone
Concen: 92.157 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 82768

Ion	Ratio	Lower	Upper
43	100		
72	24.1	22.1	33.1

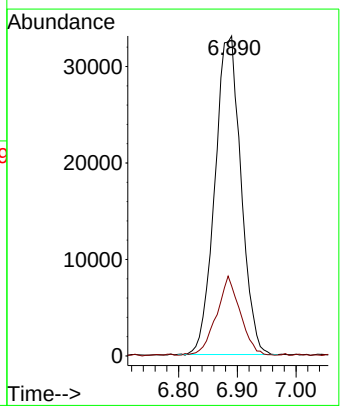


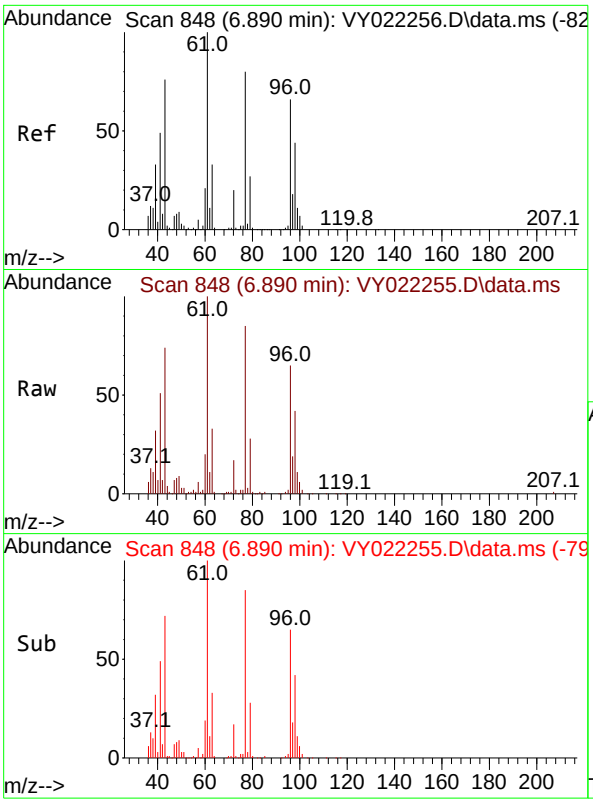


#26
2,2-Dichloropropane
Concen: 19.727 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 77 Resp: 101725

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.5



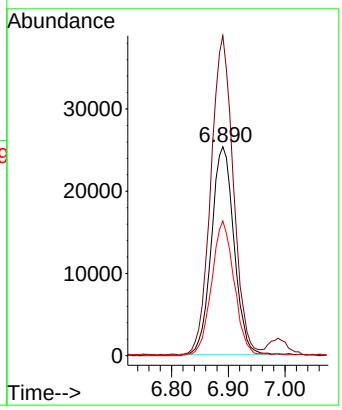


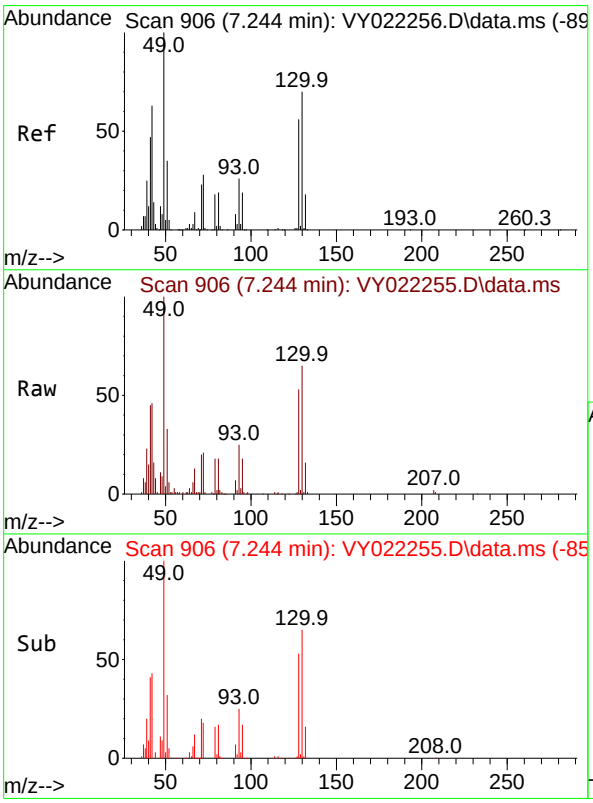
#27
cis-1,2-Dichloroethene
Concen: 19.611 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 70008

Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	302.6
98	64.1	0.0	128.8

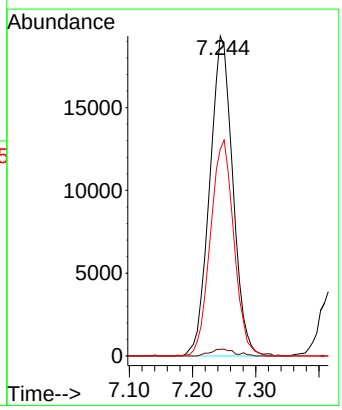


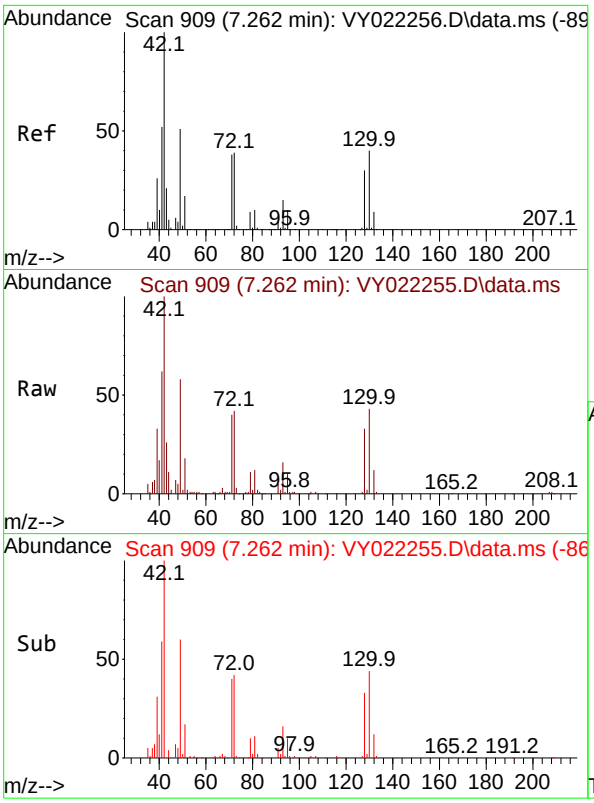


#28
Bromochloromethane
Concen: 19.787 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 49 Resp: 48933

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	68.4	54.7	82.1



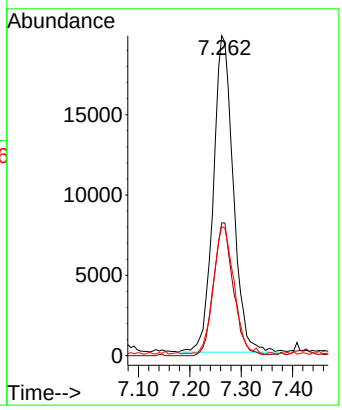


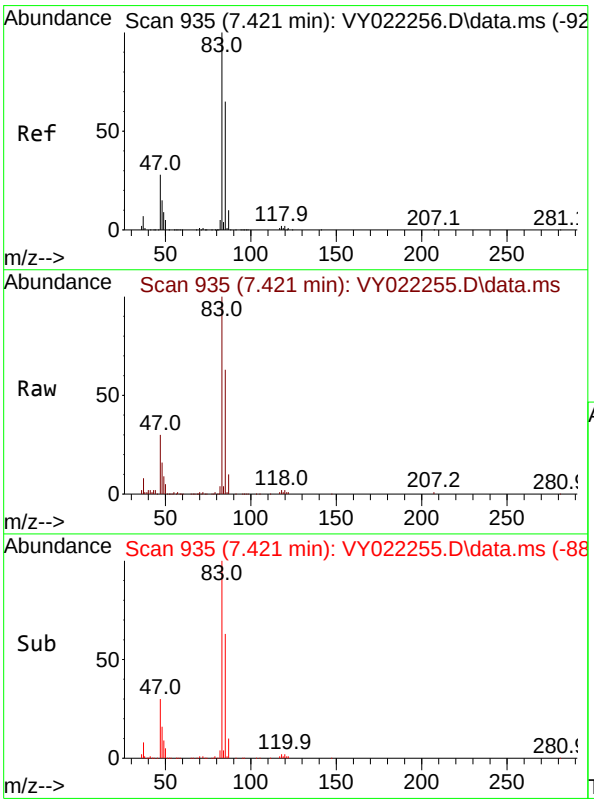
#29
Tetrahydrofuran
Concen: 92.122 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 53229

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	41.5	31.5	47.3

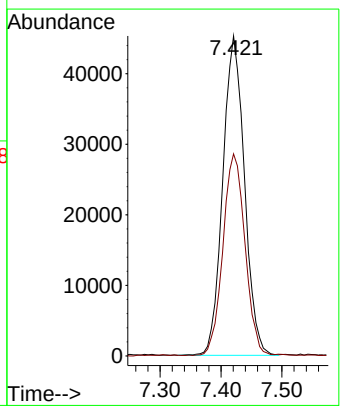


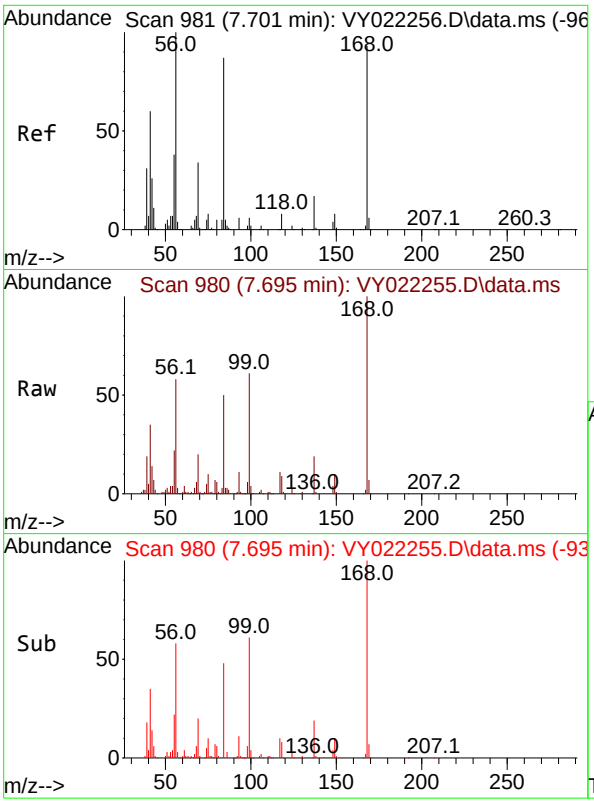


#30
Chloroform
Concen: 20.107 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 111815

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8



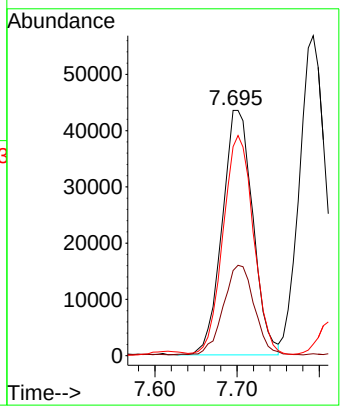


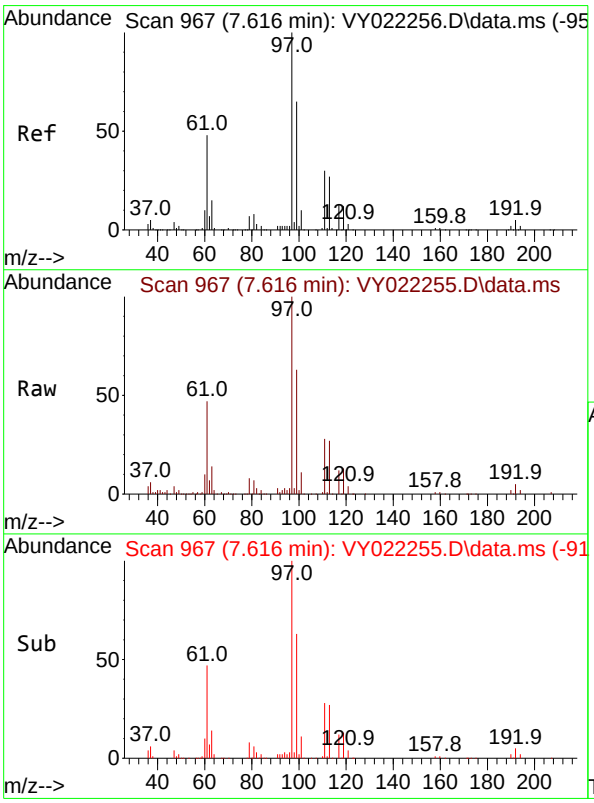
#31
Cyclohexane
Concen: 19.486 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 112876

Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.4	41.2
84	84.0	70.0	105.0

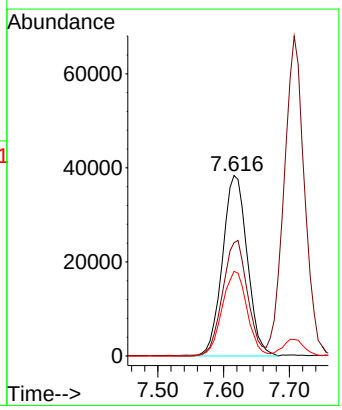


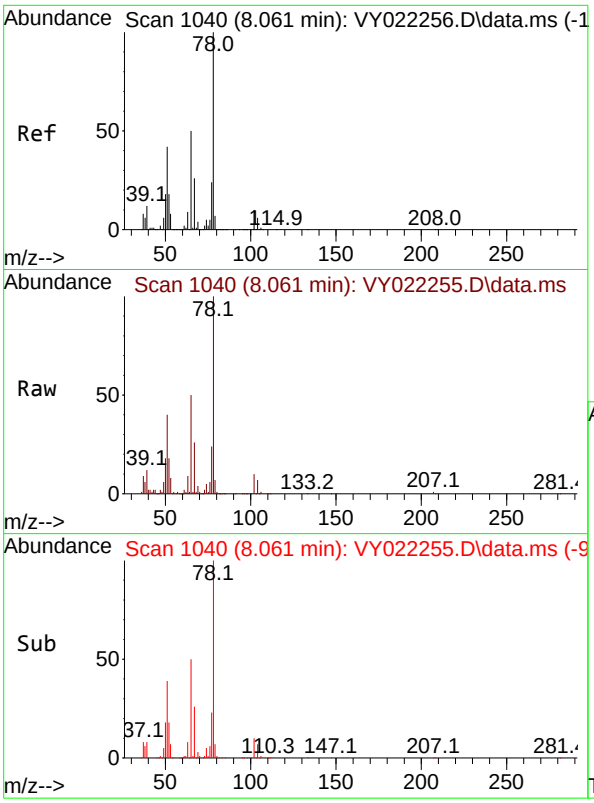


#32
1,1,1-Trichloroethane
Concen: 19.721 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 97 Resp: 100618

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.2	38.1	57.1



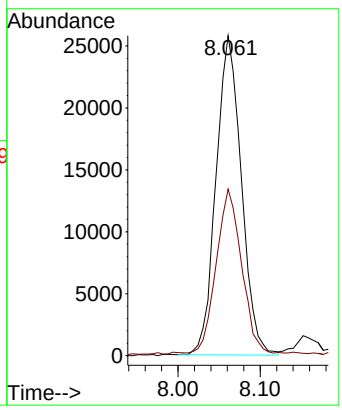


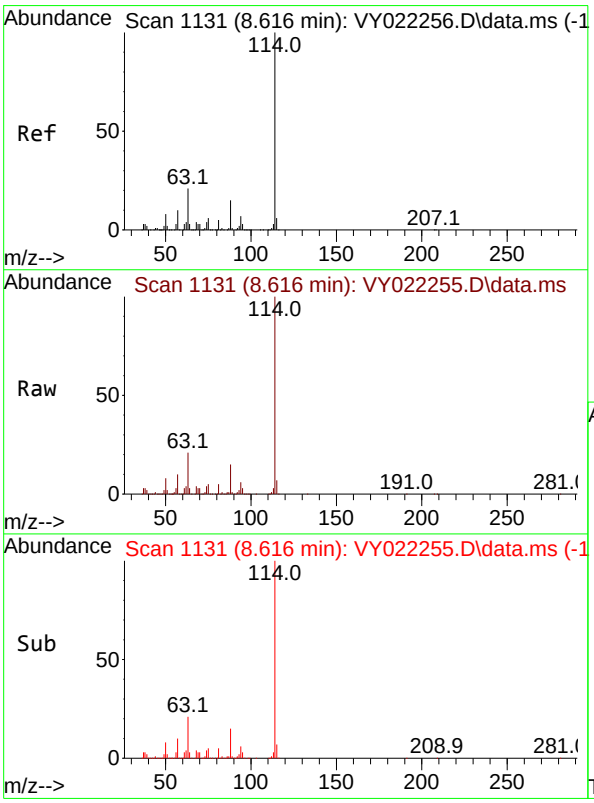
#33
1,2-Dichloroethane-d4
Concen: 19.284 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 55221

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.6

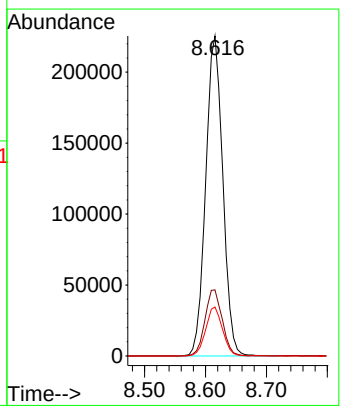


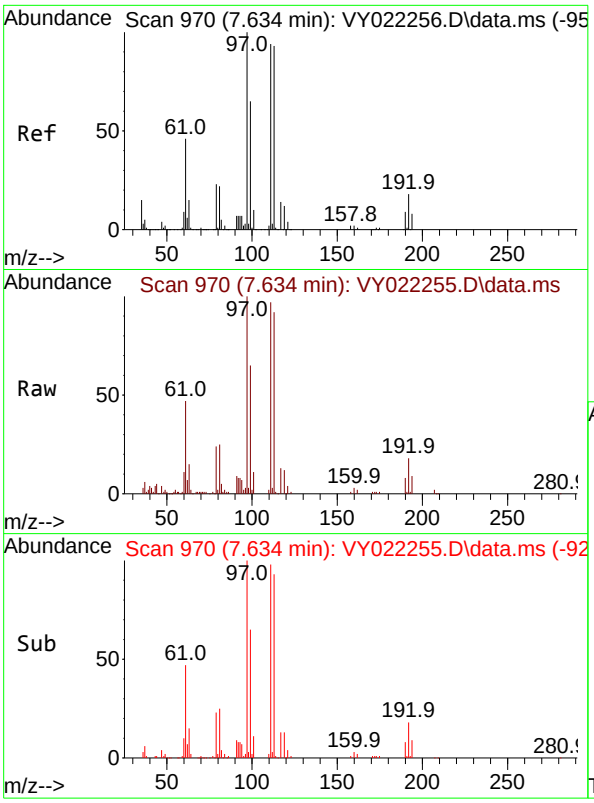


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:114 Resp: 439816

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.3	0.0	29.4



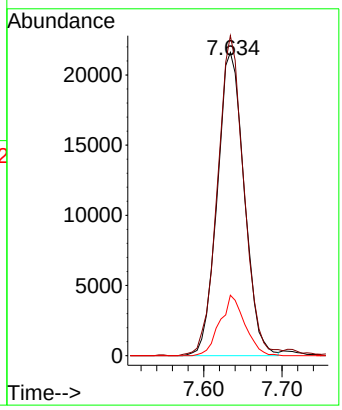


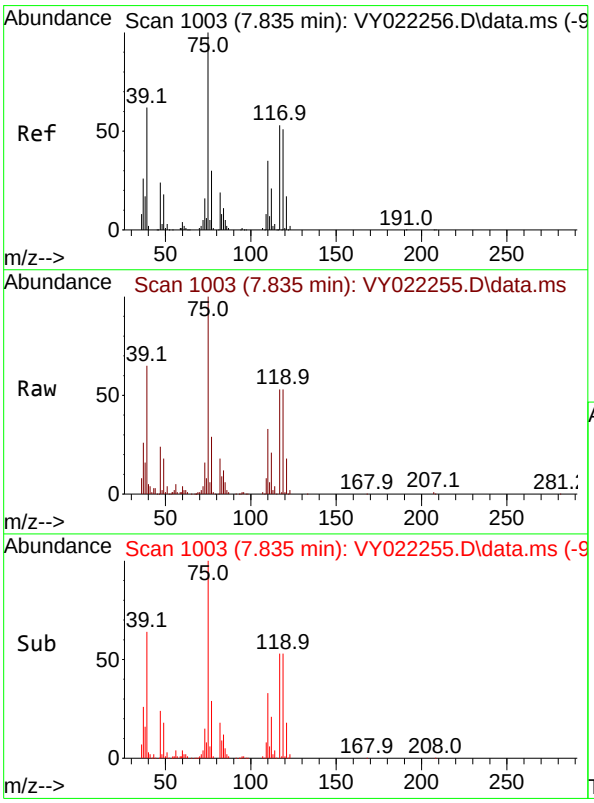
#35
Dibromofluoromethane
Concen: 19.683 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 51670

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.5	15.2	22.8

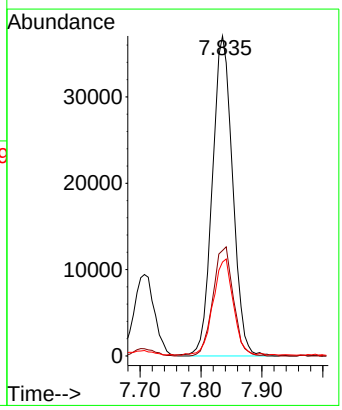


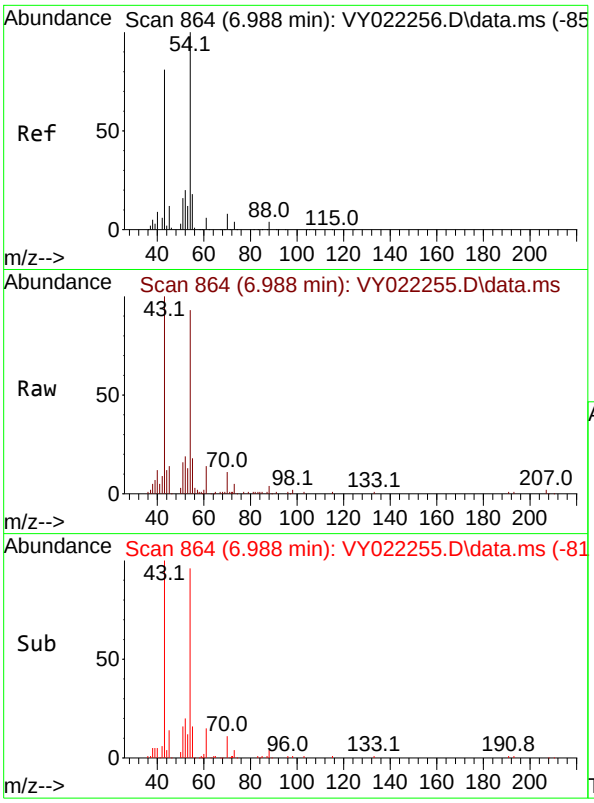


#36
1,1-Dichloropropene
Concen: 19.841 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 85789

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.6	49.8
77	30.2	24.6	37.0



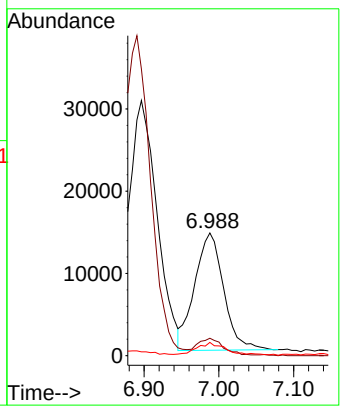


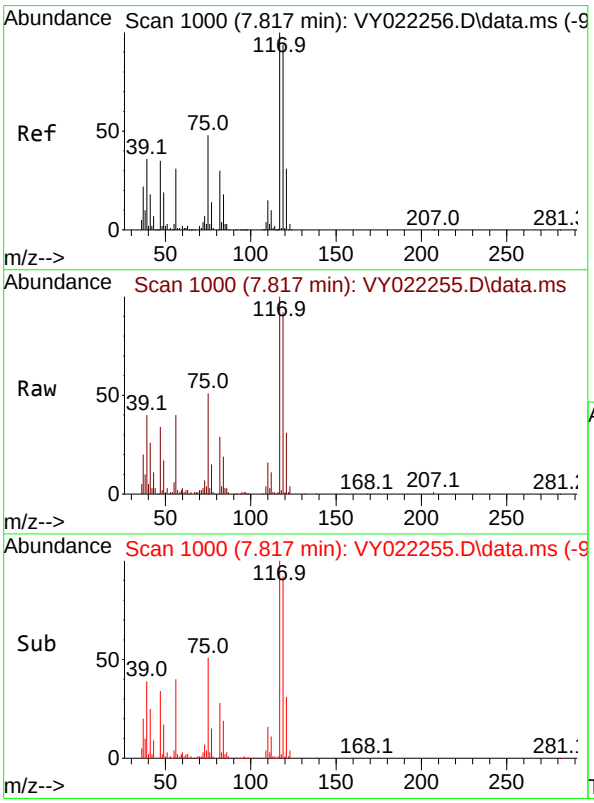
#37
Ethyl Acetate
Concen: 18.497 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 38482

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.8	7.6	11.4

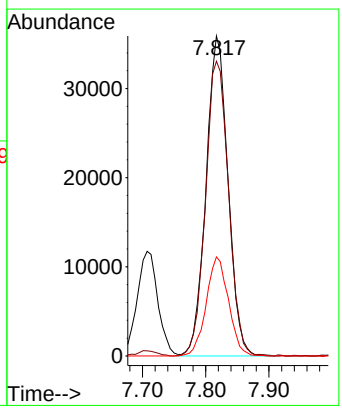


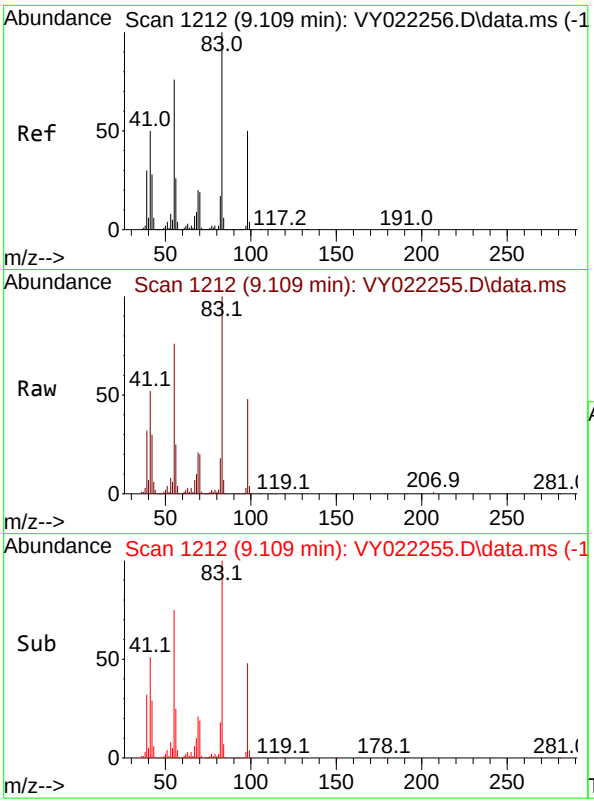


#38
Carbon Tetrachloride
Concen: 19.410 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 86871

Ion	Ratio	Lower	Upper
117	100		
119	91.9	75.3	112.9
121	31.0	24.7	37.1



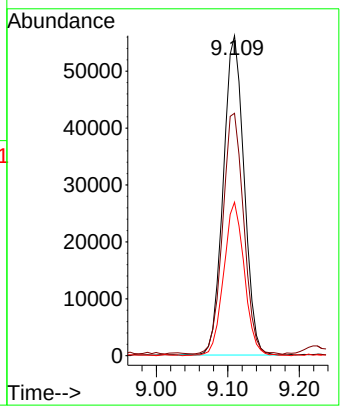


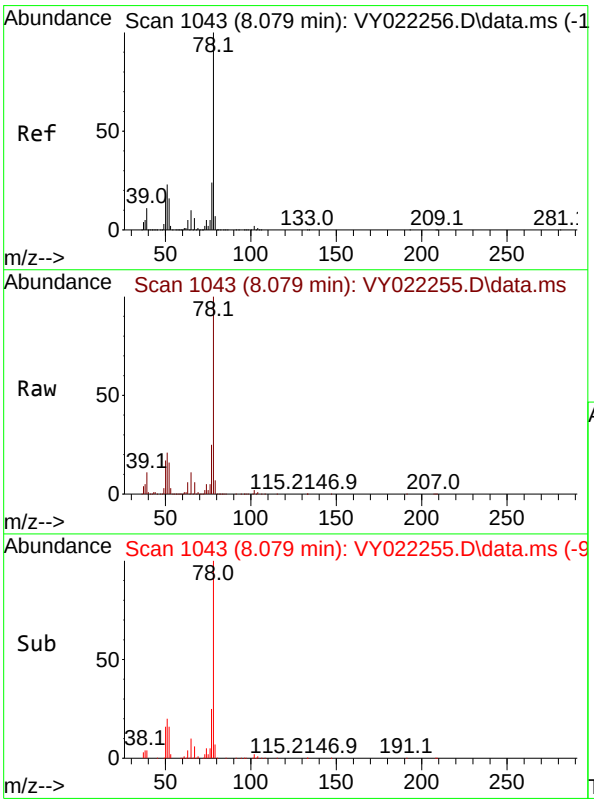
#39
Methylcyclohexane
Concen: 19.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 113511

Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.6	90.8
98	47.9	40.0	60.0

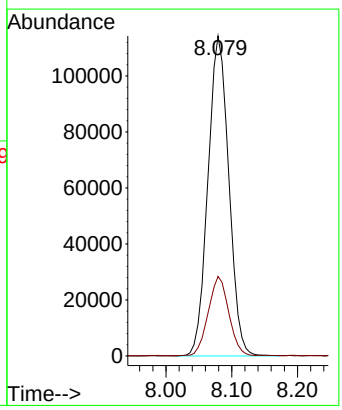


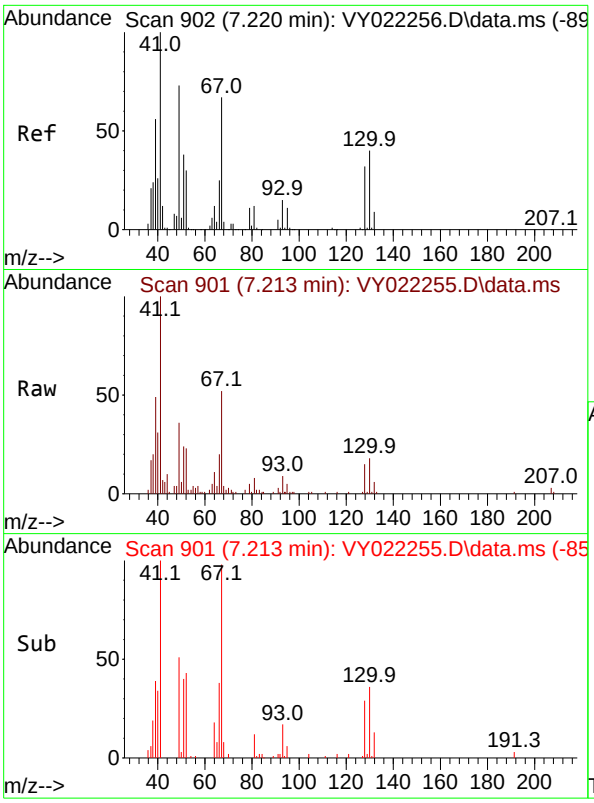


#40
Benzene
Concen: 19.700 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 78 Resp: 252507

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3



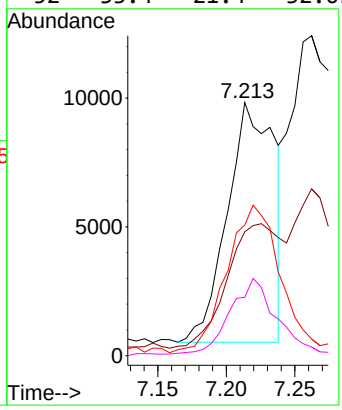


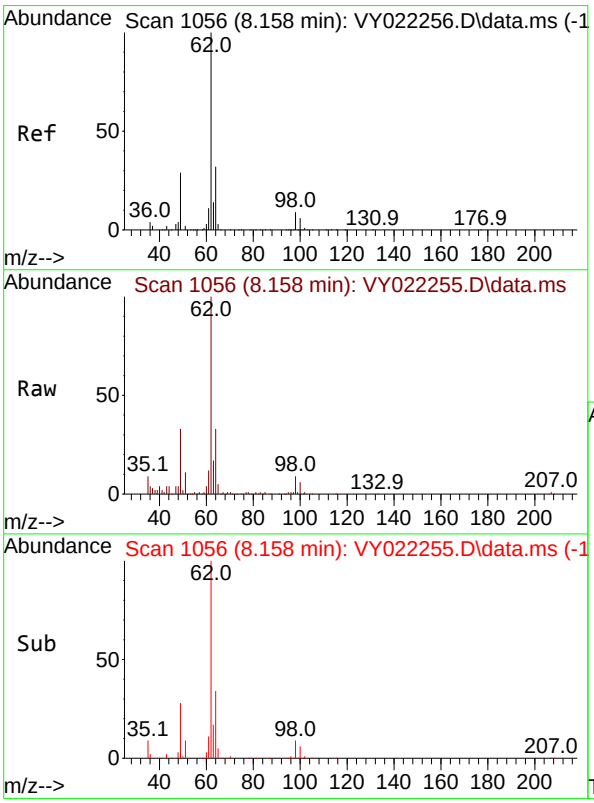
#41
Methacrylonitrile
Concen: 14.619 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 22254

Ion	Ratio	Lower	Upper
41	100		
39	62.0	39.1	58.7#
67	71.2	47.1	70.7#
52	33.4	21.4	32.0#

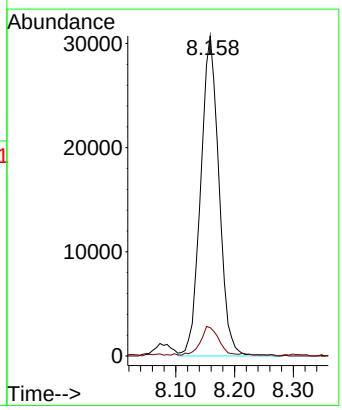


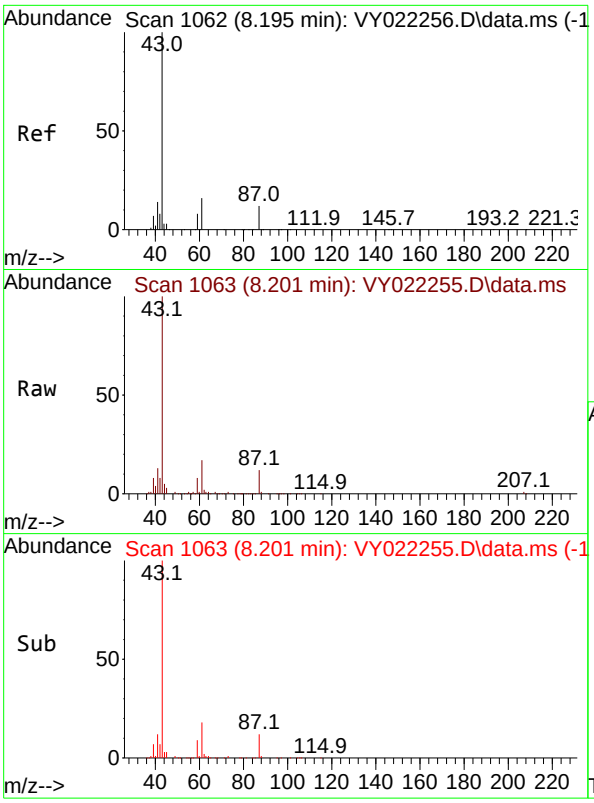


#42
1,2-Dichloroethane
Concen: 19.192 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 66525

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4



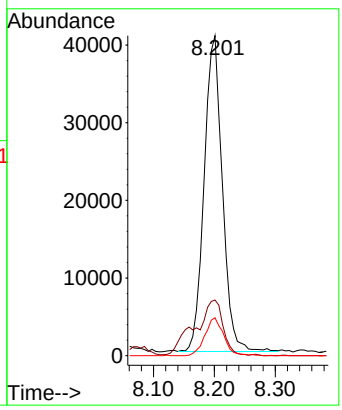


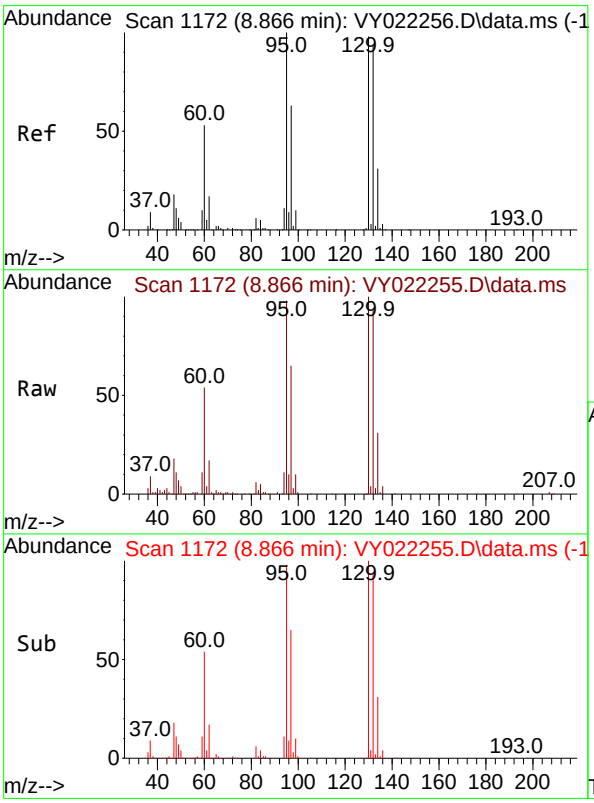
#43
Isopropyl Acetate
Concen: 18.631 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 84532

Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.1	22.7
87	12.3	9.7	14.5

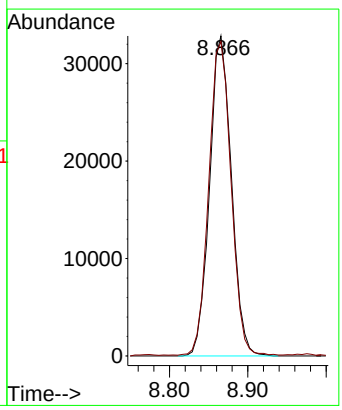


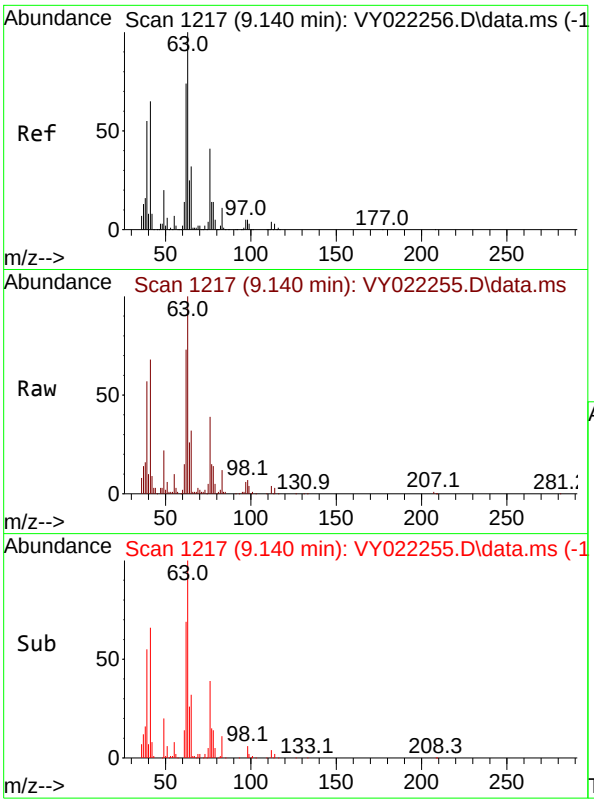


#44
Trichloroethene
Concen: 19.904 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:130 Resp: 63438

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	204.8



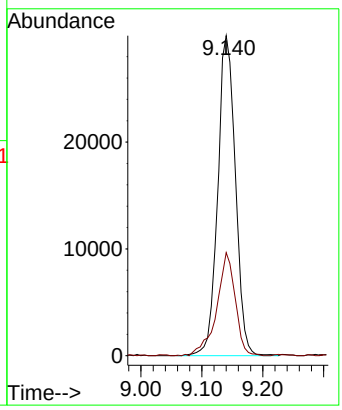


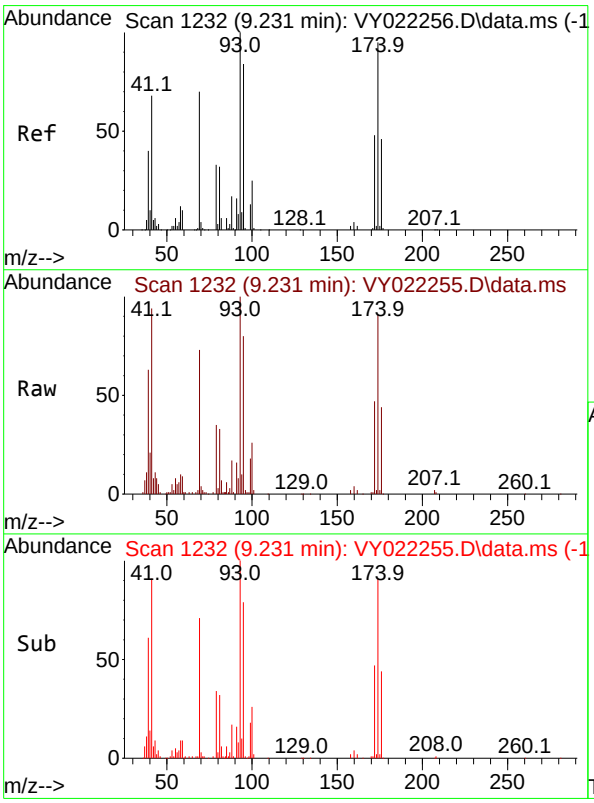
#45
1,2-Dichloropropane
Concen: 19.557 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 60438

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5

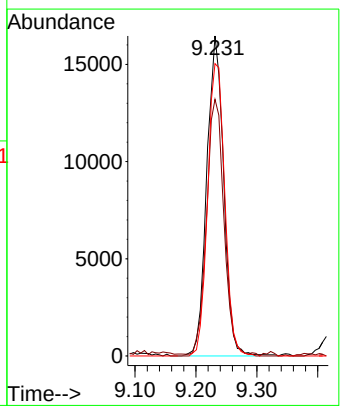


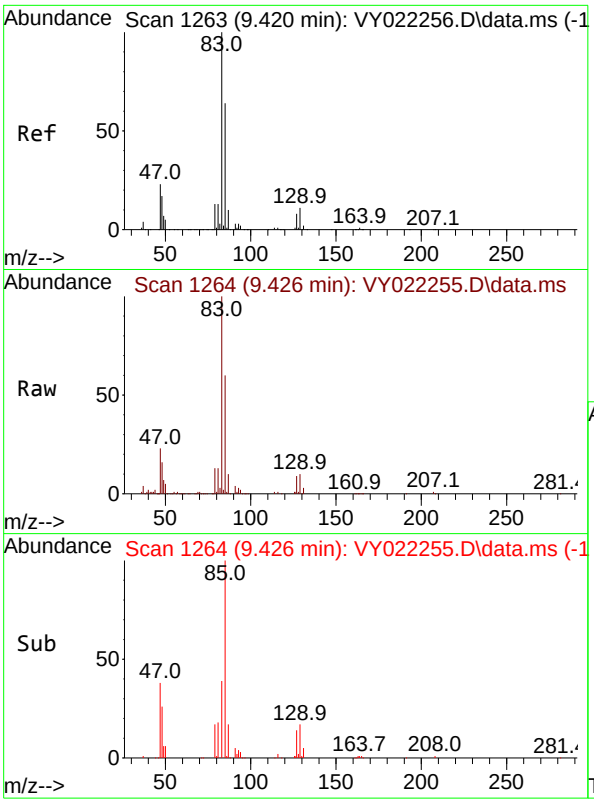


#46
Dibromomethane
Concen: 19.050 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 93 Resp: 31752

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.2	97.8
174	92.4	74.3	111.5



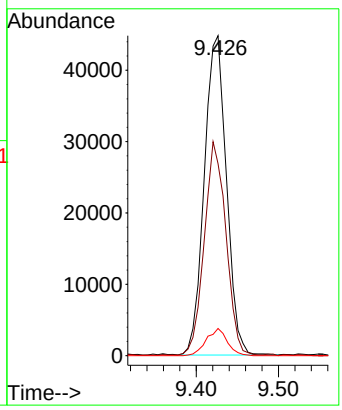


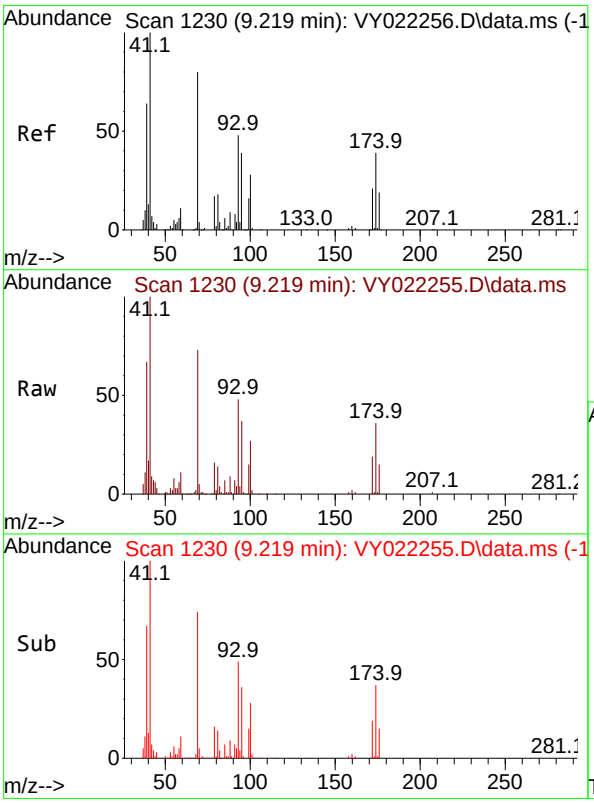
#47
Bromodichloromethane
Concen: 19.385 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 83823

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.1	76.7
127	8.5	6.6	10.0

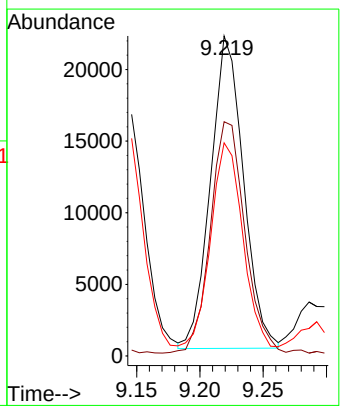


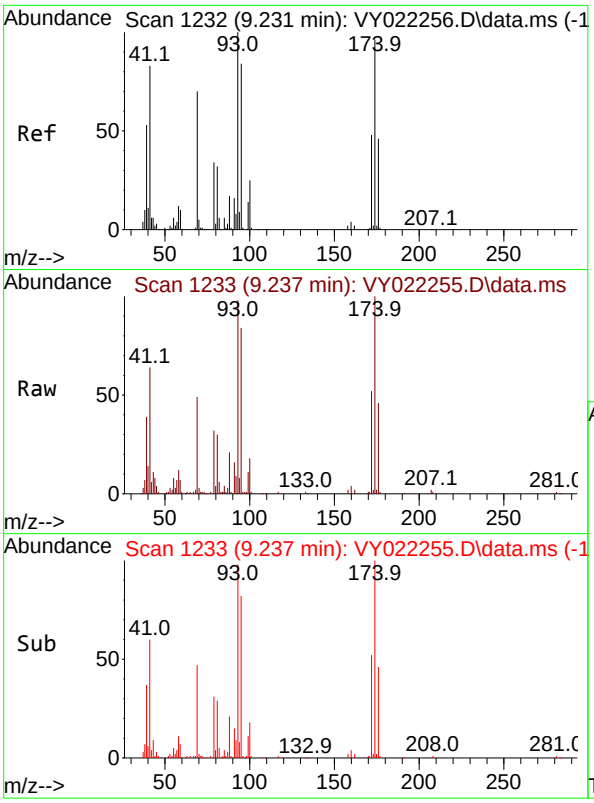


#48
Methyl methacrylate
Concen: 18.563 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 39387

Ion	Ratio	Lower	Upper
41	100		
69	77.5	63.5	95.3
39	63.4	50.8	76.2



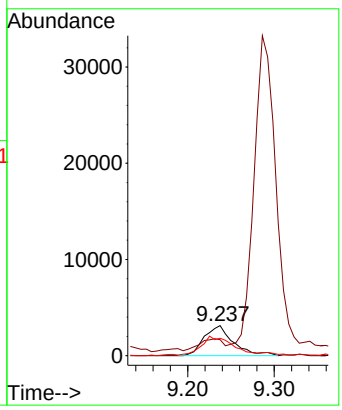


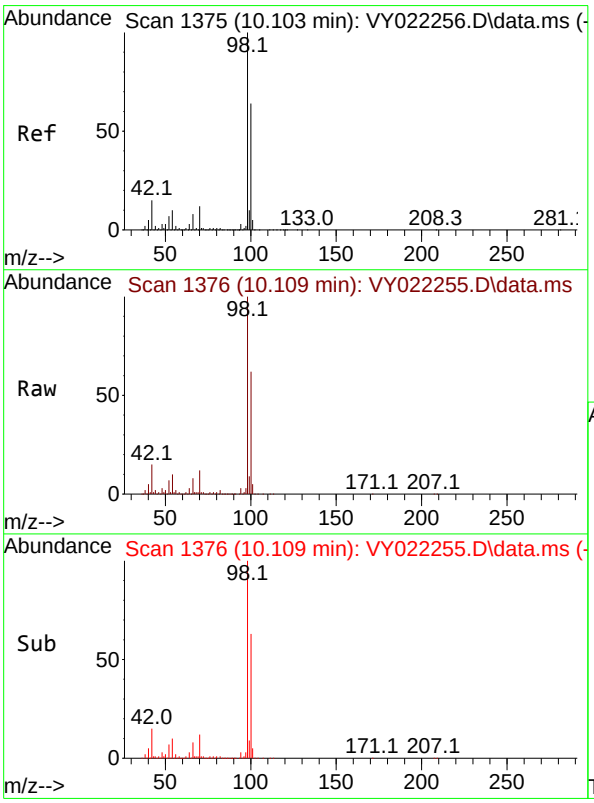
#49
1,4-Dioxane
Concen: 388.323 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 7312

Ion	Ratio	Lower	Upper
88	100		
43	31.6	28.5	42.7
58	71.1	61.4	92.2

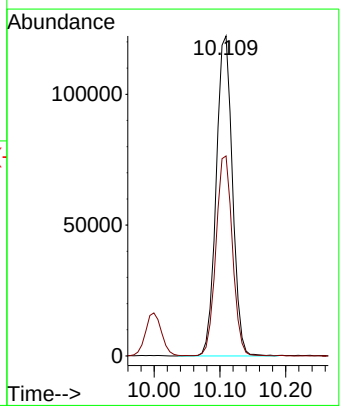


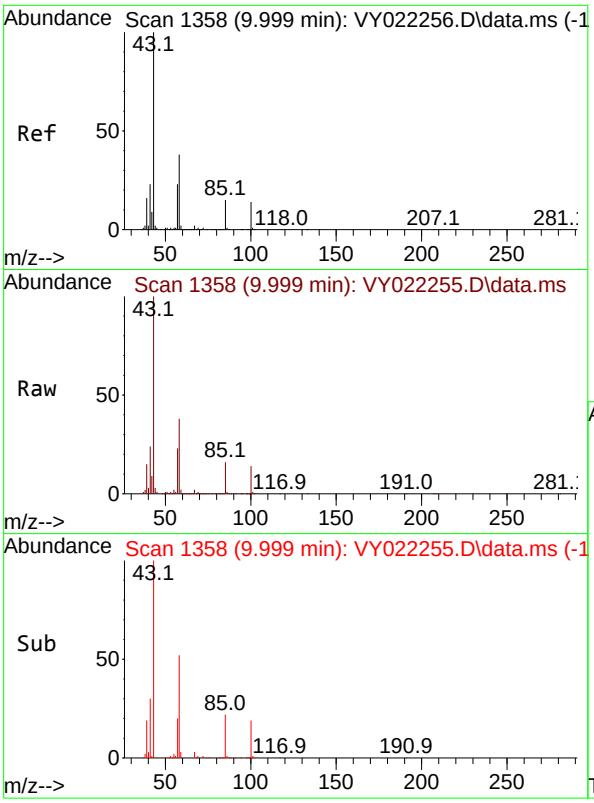


#50
Toluene-d8
Concen: 19.552 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 98 Resp: 210206

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8



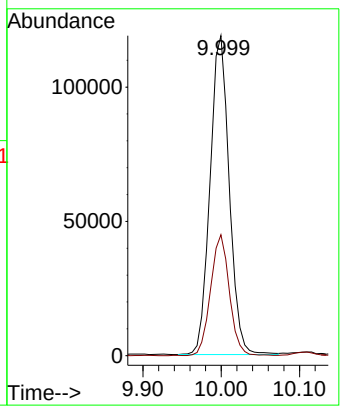


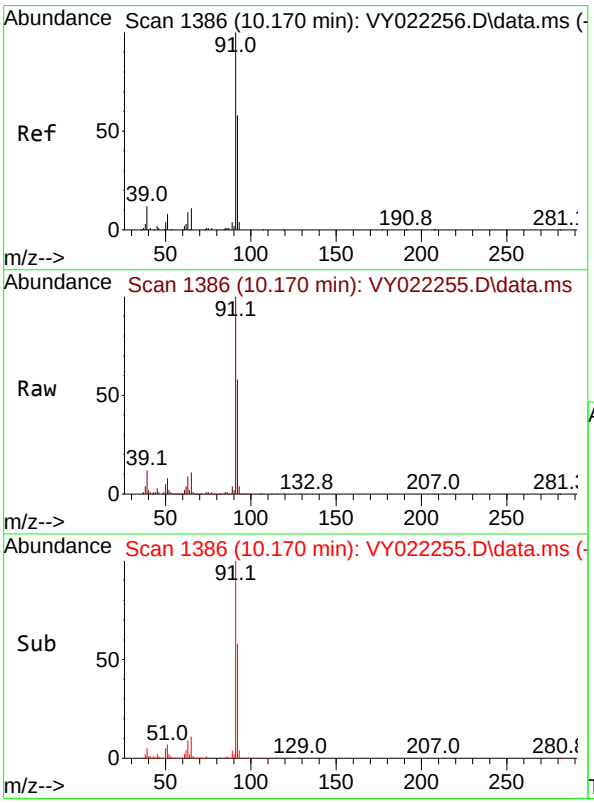
#51
4-Methyl-2-Pentanone
Concen: 90.940 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 202454

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.4	44.2

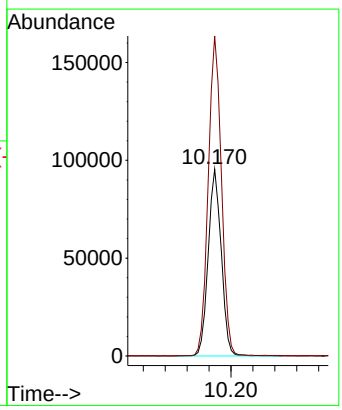


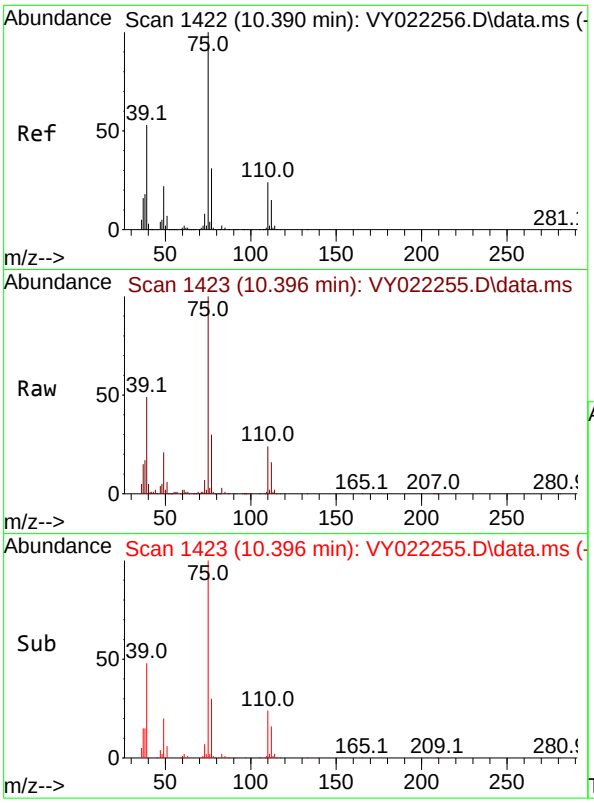


#52
Toluene
Concen: 19.281 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 92 Resp: 156498

Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.1	208.7



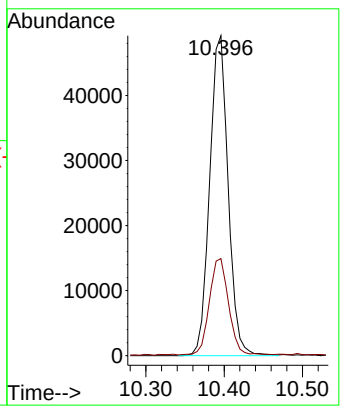


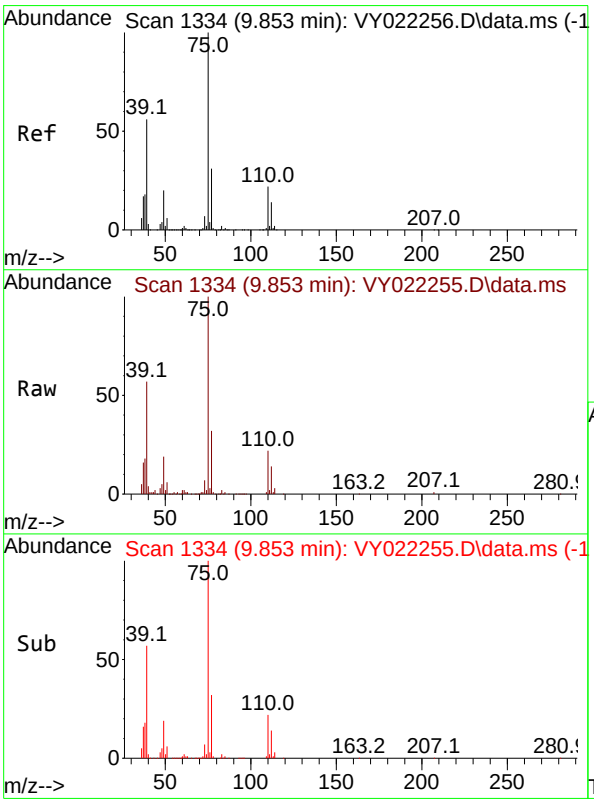
#53
t-1,3-Dichloropropene
Concen: 19.056 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 80413

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.0	37.6

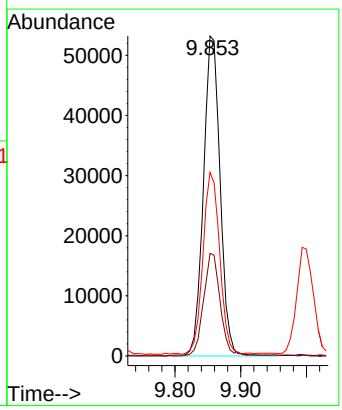


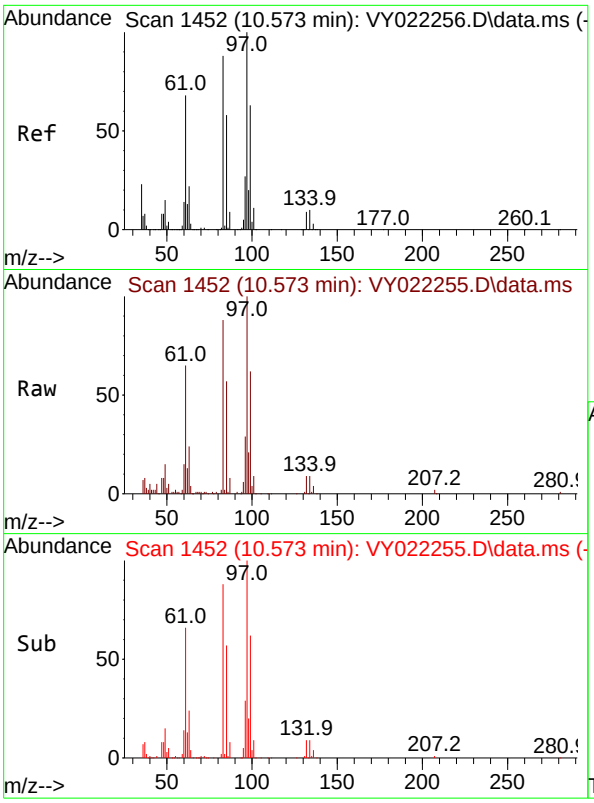


#54
cis-1,3-Dichloropropene
Concen: 19.458 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 94074

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.6	44.5	66.7



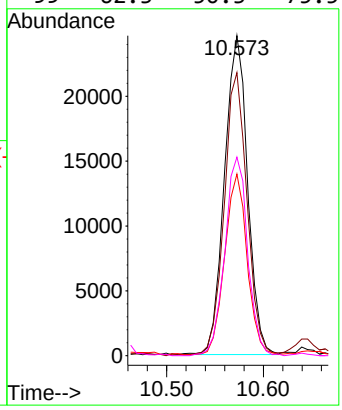


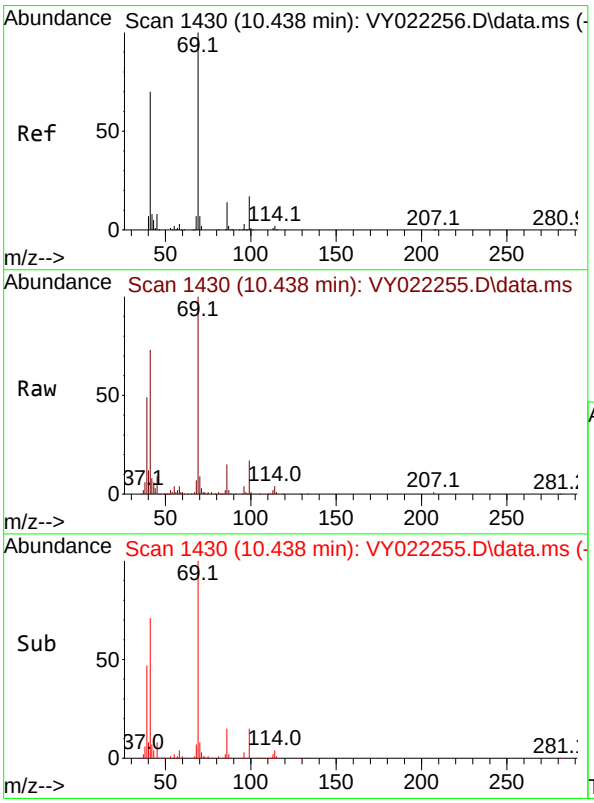
#55
1,1,2-Trichloroethane
Concen: 19.149 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 40872

Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.3	105.5
85	56.5	46.2	69.4
99	62.3	50.3	75.5

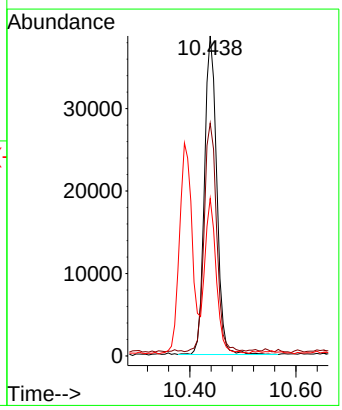


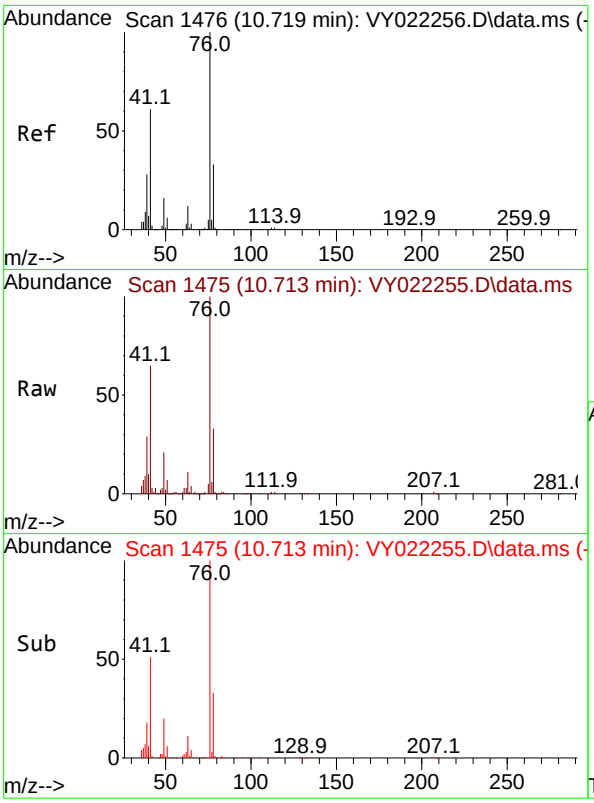


#56
Ethyl methacrylate
Concen: 18.706 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 69 Resp: 62193

Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.5	84.7
39	44.2	37.1	55.7



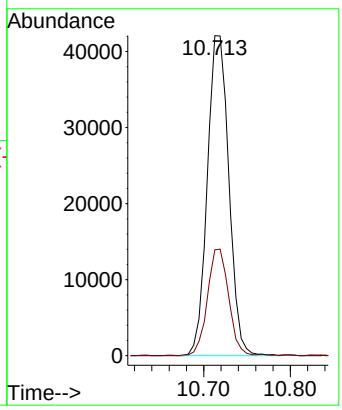


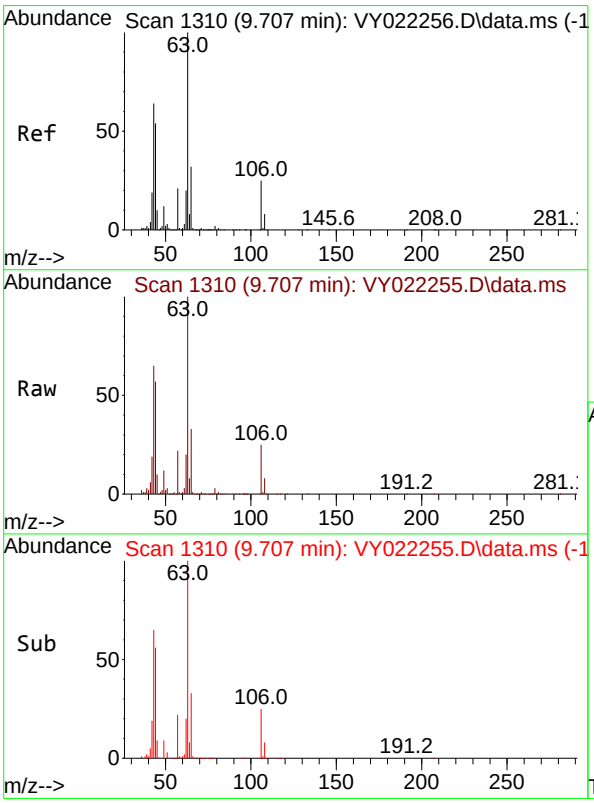
#57
1,3-Dichloropropane
Concen: 19.175 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 72715

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

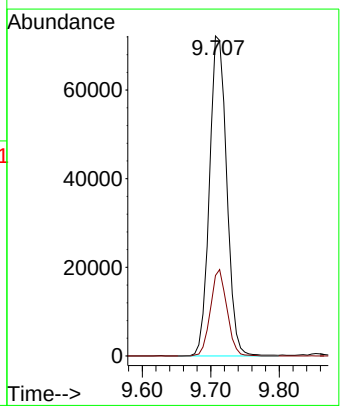


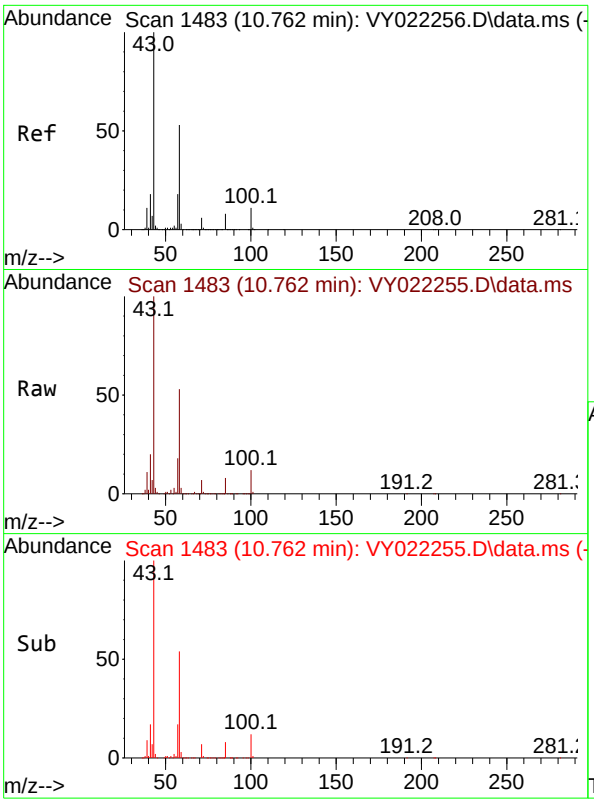


#58
2-Chloroethyl Vinyl ether
Concen: 84.595 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 126240

Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.0	31.4



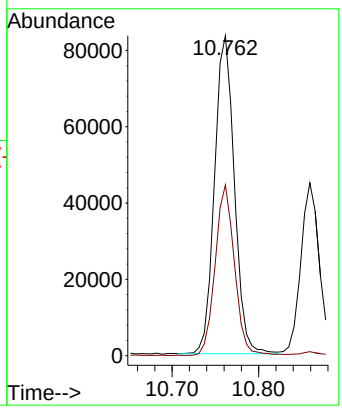


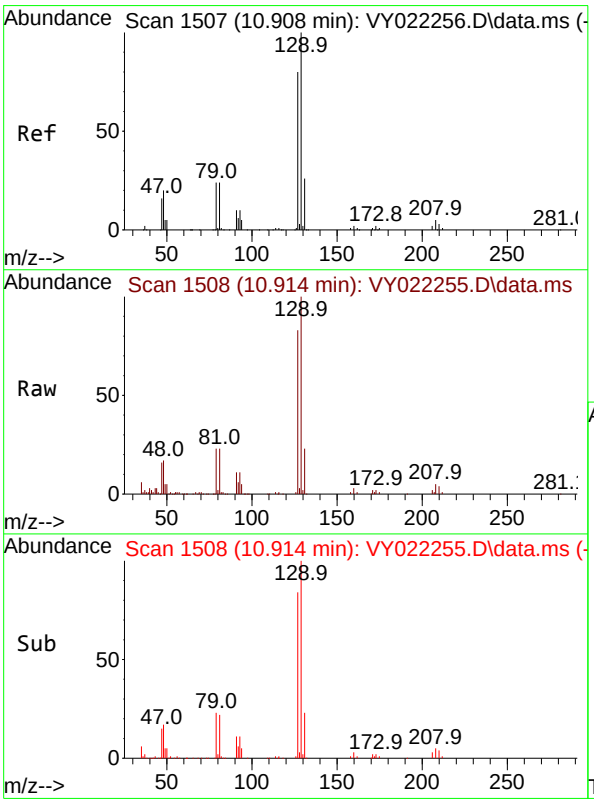
#59
2-Hexanone
Concen: 88.766 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 132496

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

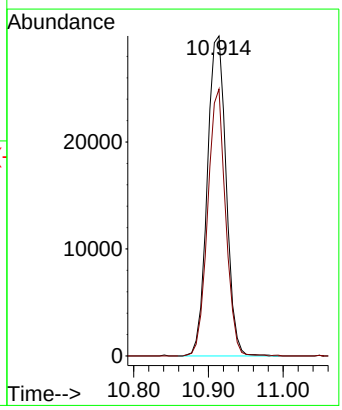


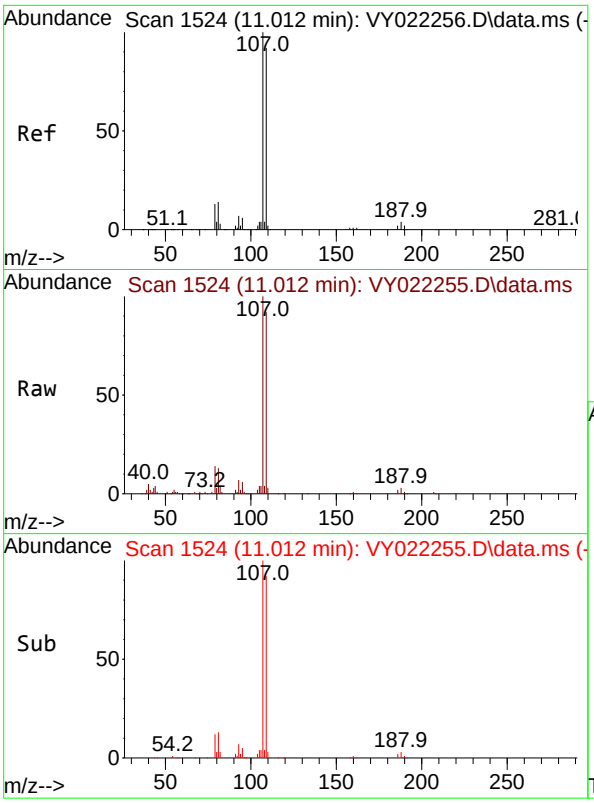


#60
Dibromochloromethane
Concen: 18.898 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:129 Resp: 52353

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.7



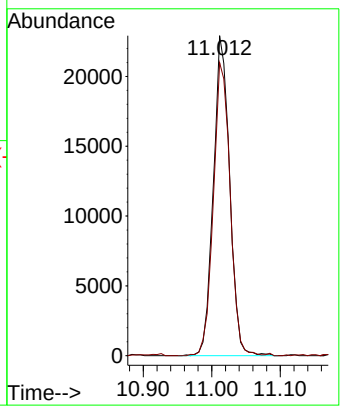


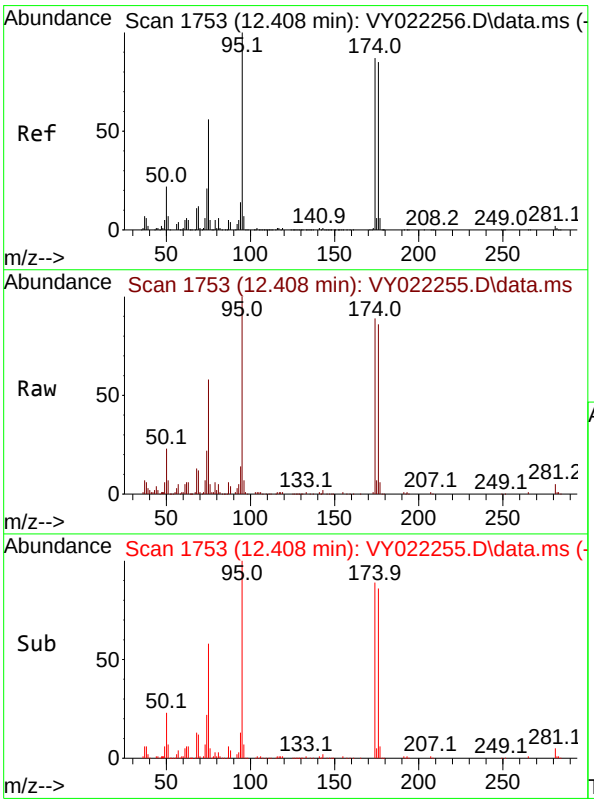
#61
1,2-Dibromoethane
Concen: 18.969 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 37735

Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.6	111.8

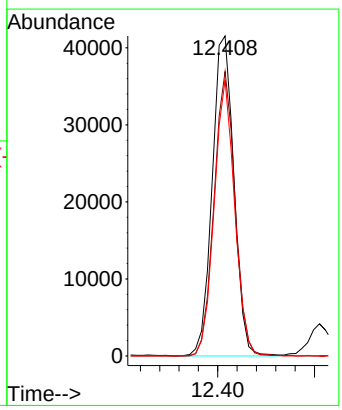


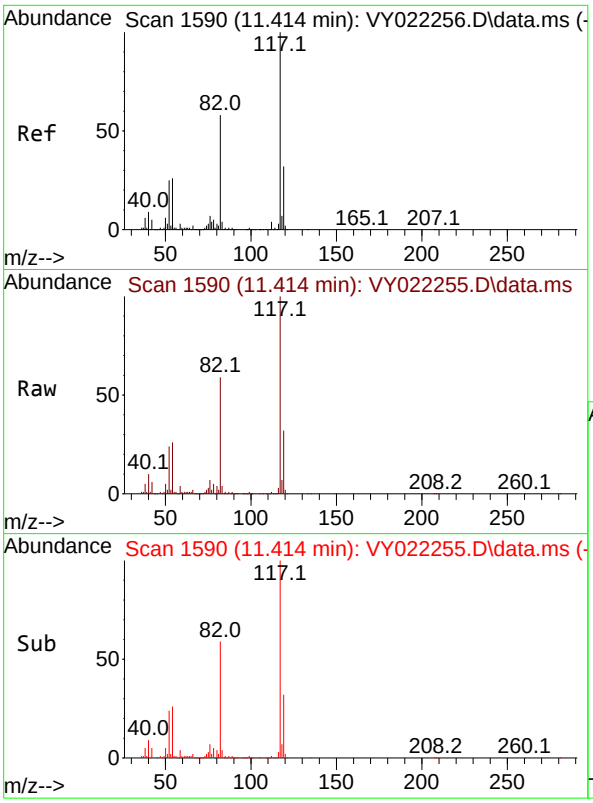


#62
4-Bromofluorobenzene
Concen: 18.988 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 95 Resp: 64706

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	166.8
176	81.3	0.0	160.8



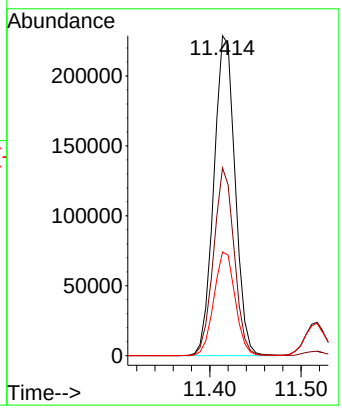


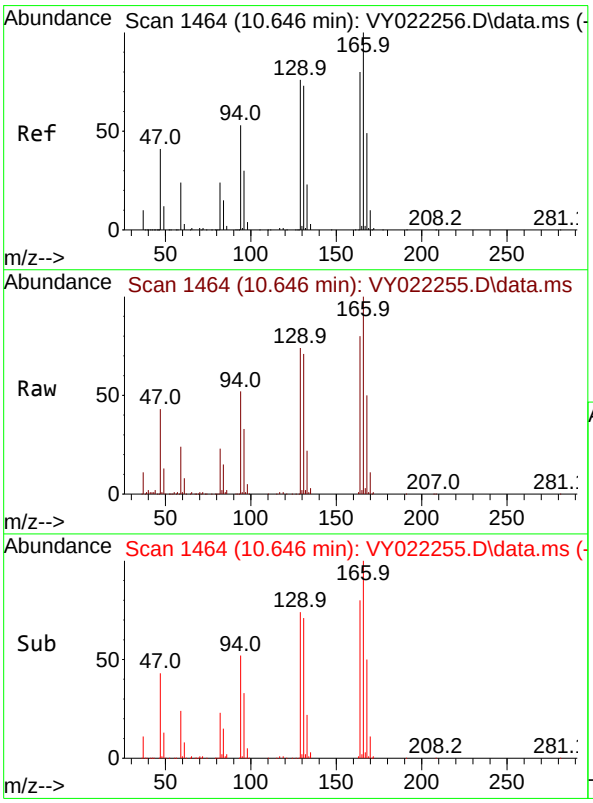
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 370072

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.6	70.0
119	32.4	25.8	38.6

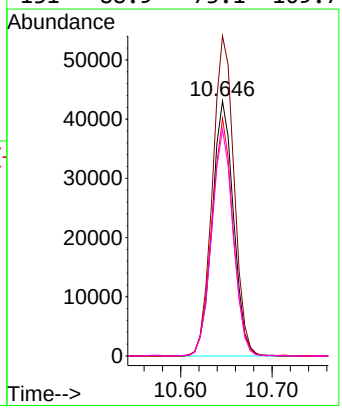


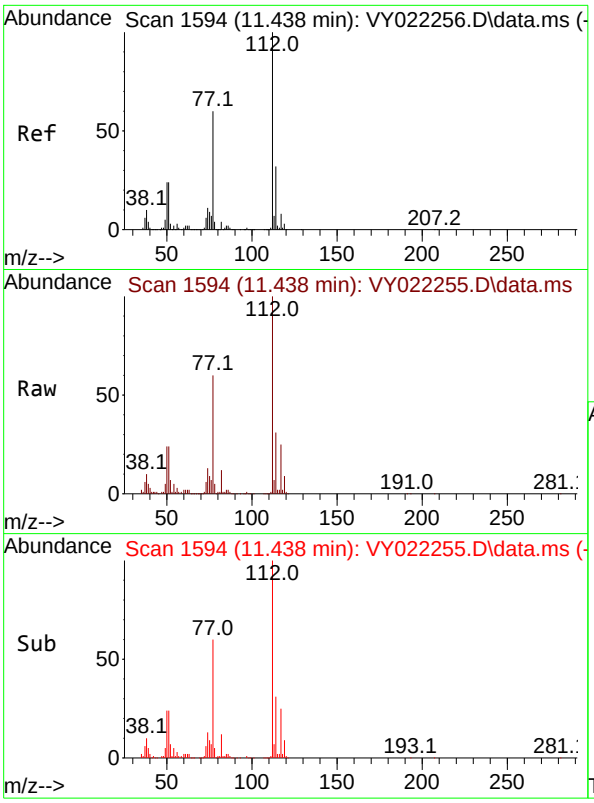


#64
Tetrachloroethene
Concen: 20.332 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:164 Resp: 69548

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	93.2	76.4	114.6
131	88.9	73.1	109.7



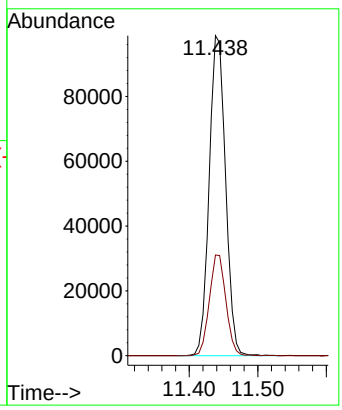


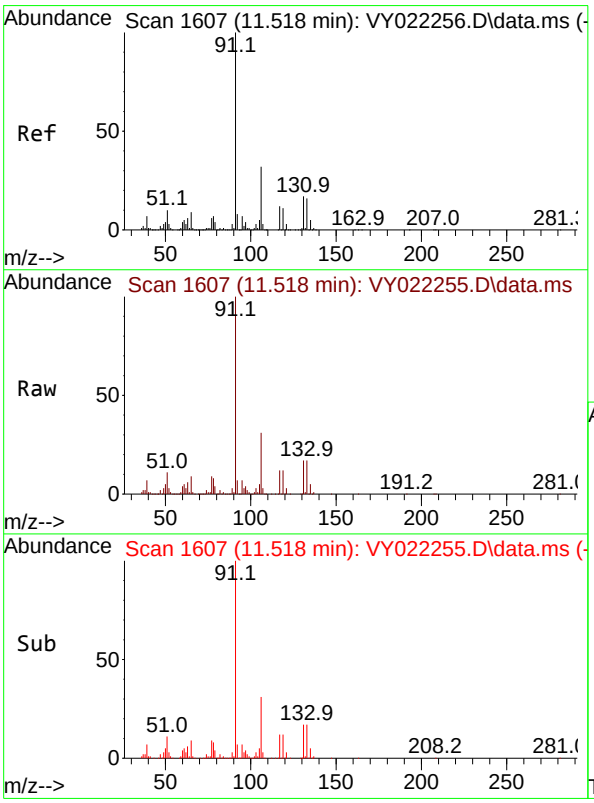
#65
Chlorobenzene
Concen: 19.610 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 163725

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6

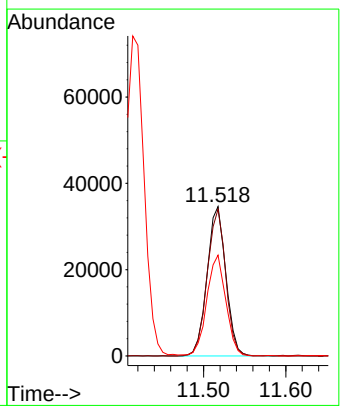


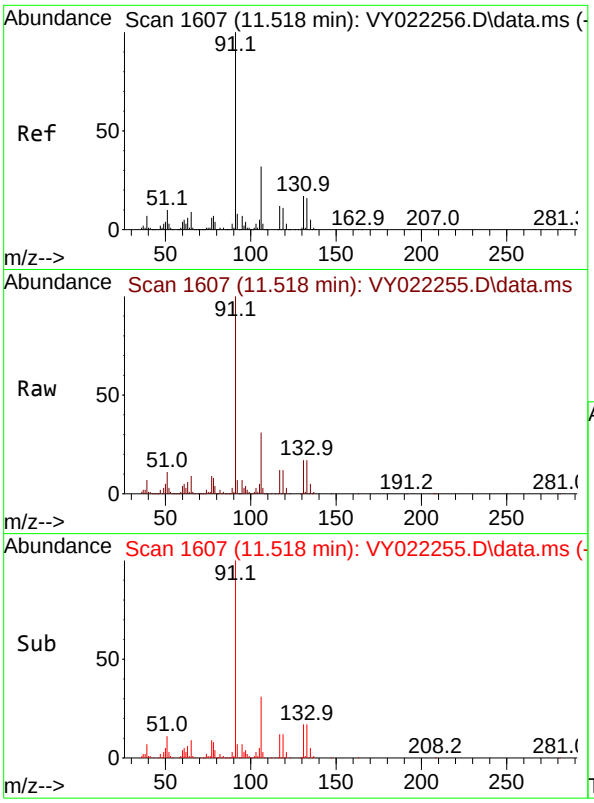


#66
1,1,1,2-Tetrachloroethane
Concen: 19.189 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:131 Resp: 55078

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.9
119	68.4	33.1	99.2



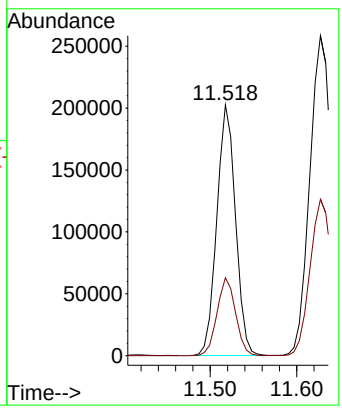


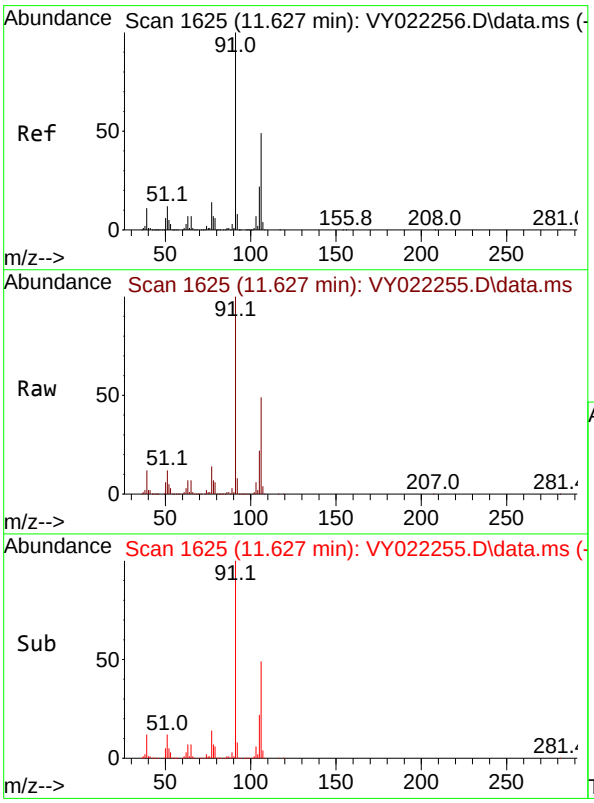
#67
Ethyl Benzene
Concen: 19.402 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 303375

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.0

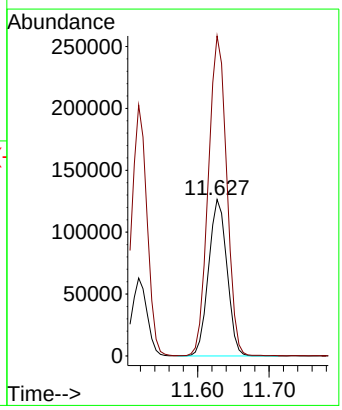


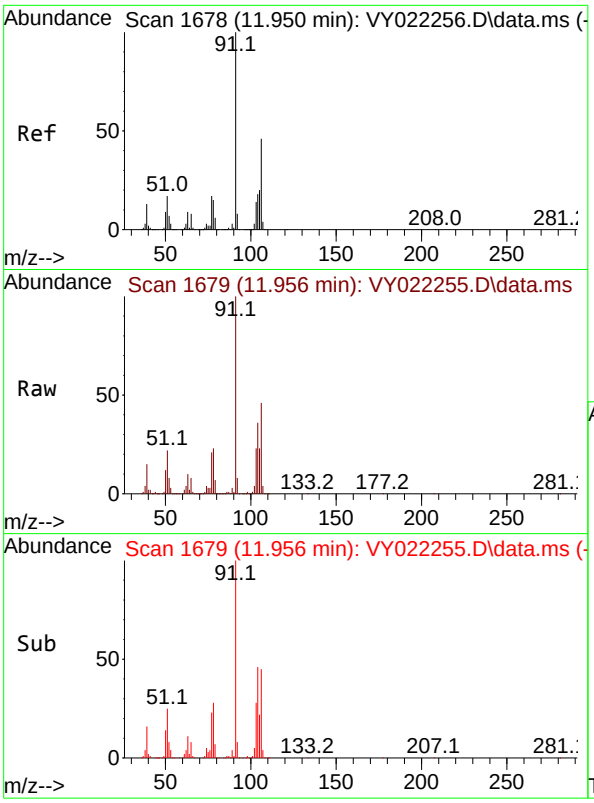


#68
m/p-Xylenes
Concen: 38.355 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:106 Resp: 225990

Ion	Ratio	Lower	Upper
106	100		
91	204.2	163.0	244.4



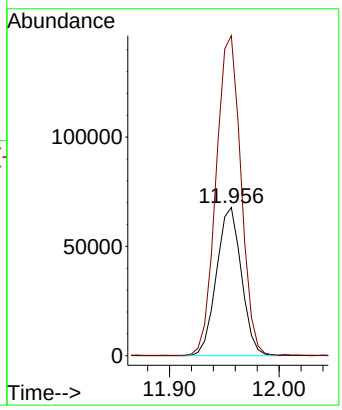


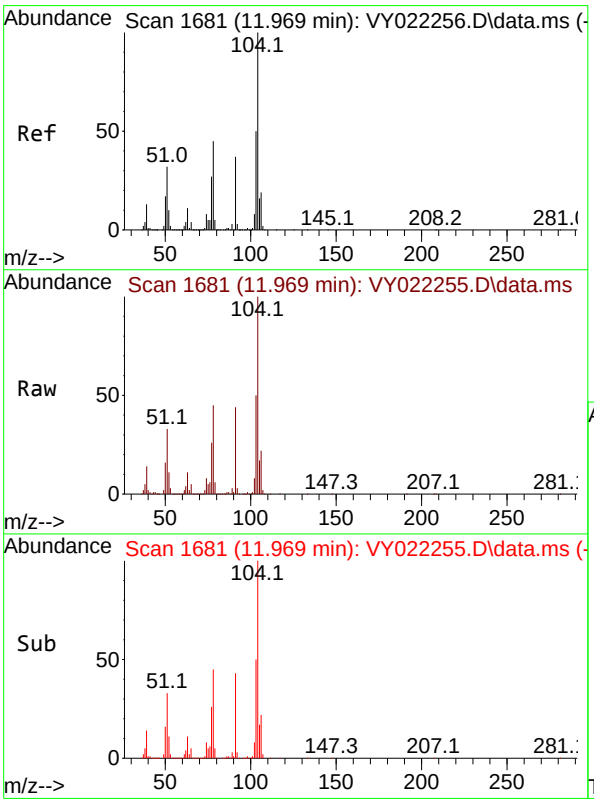
#69
o-Xylene
Concen: 19.194 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 106998

Ion	Ratio	Lower	Upper
106	100		
91	215.7	108.3	324.8

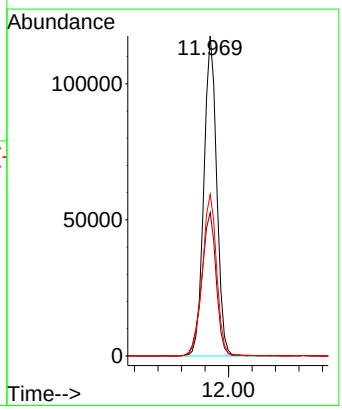


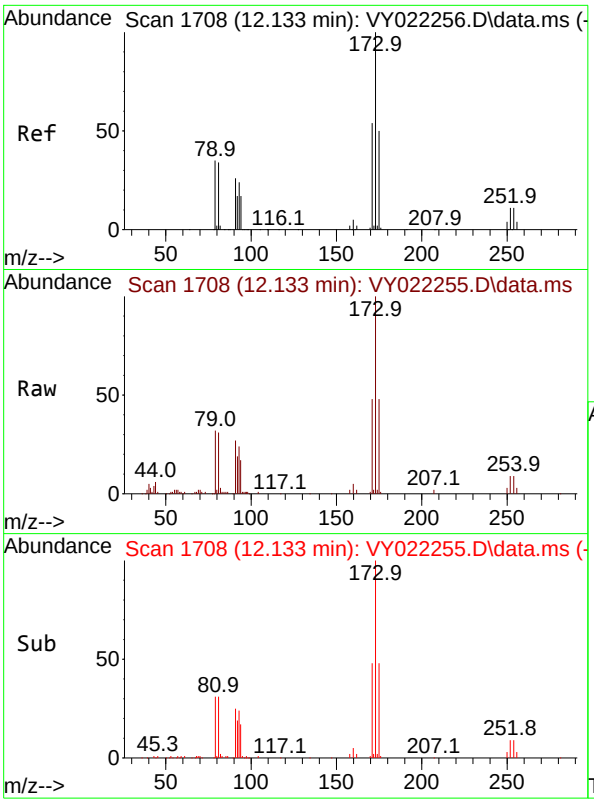


#70
Styrene
Concen: 19.048 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:104 Resp: 179114

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.9	61.3
103	55.7	43.7	65.5



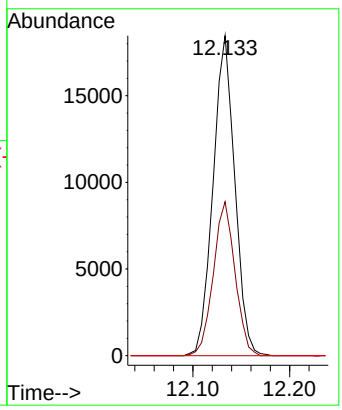


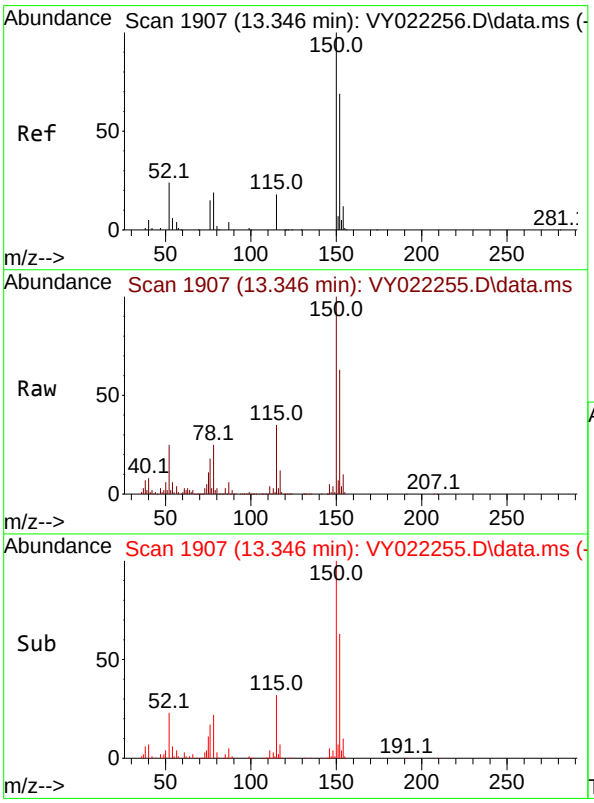
#71
Bromoform
Concen: 18.582 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 28788

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.0	0.0	0.0

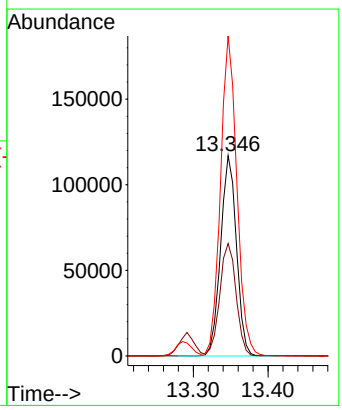


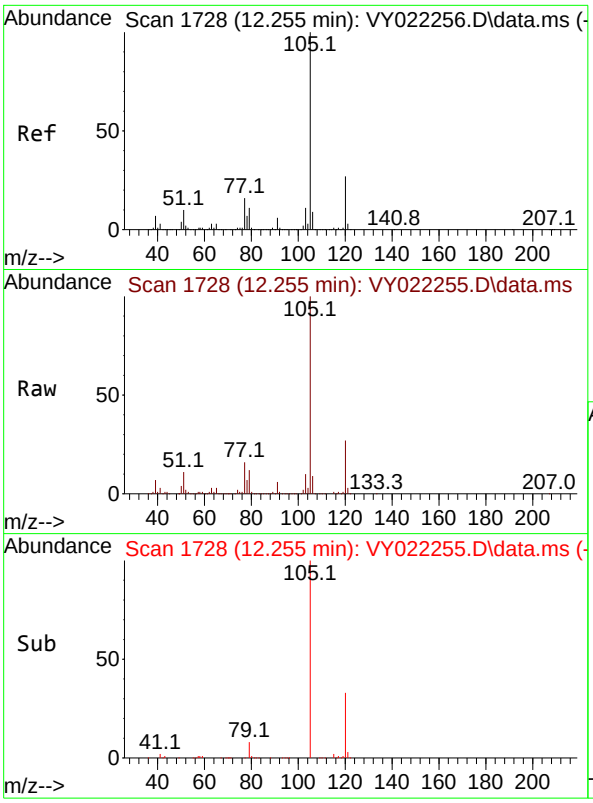


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:152 Resp: 172509

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.4	88.2
150	165.2	0.0	353.8



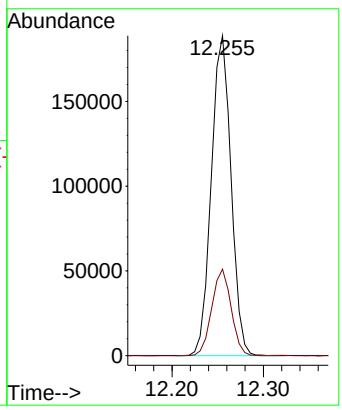


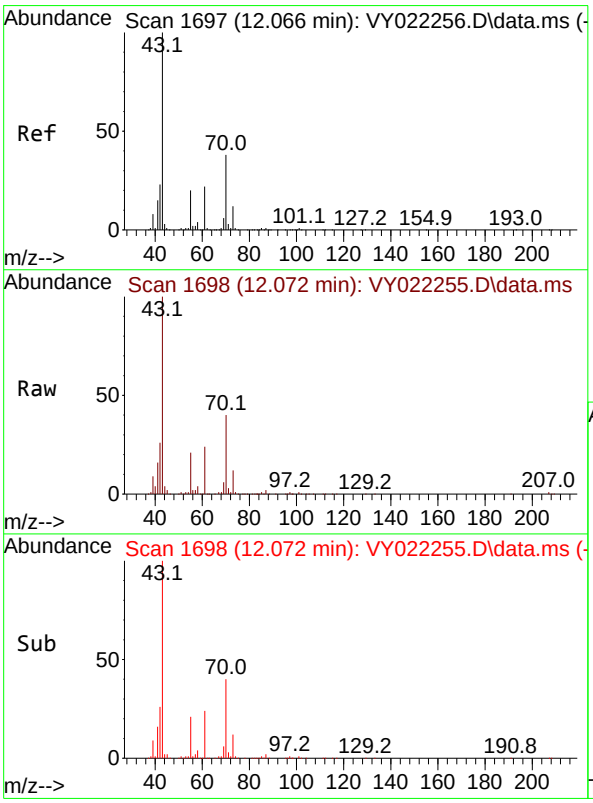
#73
Isopropylbenzene
Concen: 19.795 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 282895

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

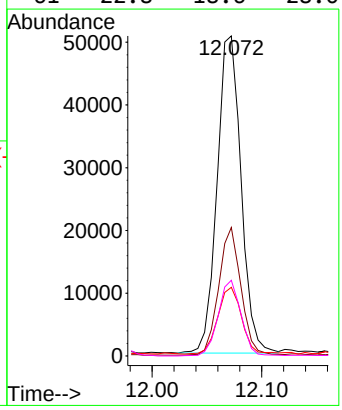


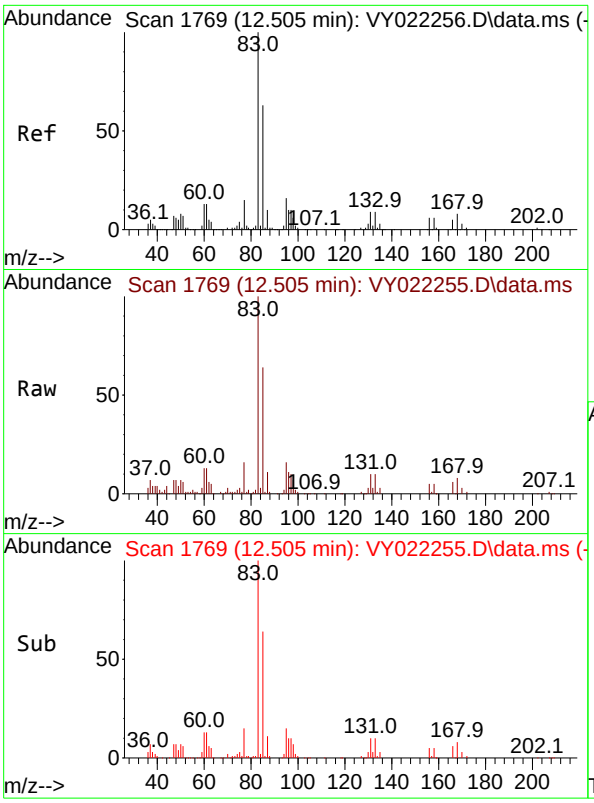


#74
N-amyl acetate
Concen: 18.799 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 76841

Ion	Ratio	Lower	Upper
43	100		
70	37.3	31.4	47.0
55	21.3	17.0	25.6
61	22.8	18.6	28.0



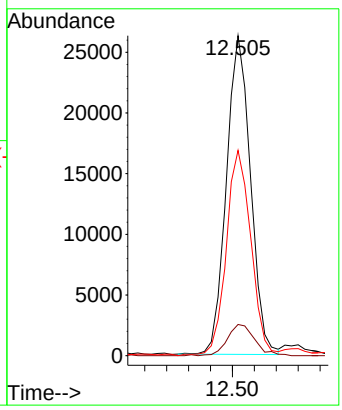


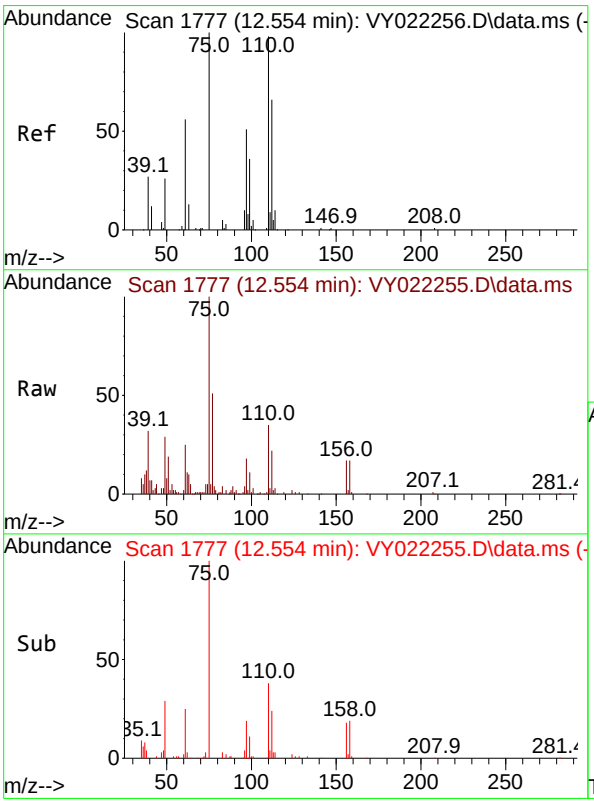
#75
1,1,2,2-Tetrachloroethane
Concen: 18.228 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 40064

Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.9	14.7
85	65.9	32.0	96.0

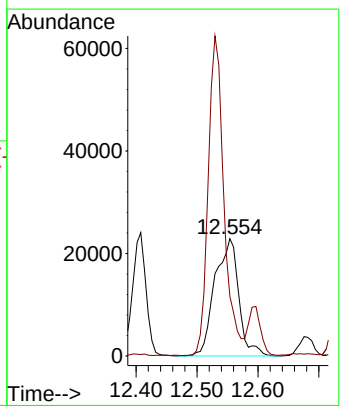


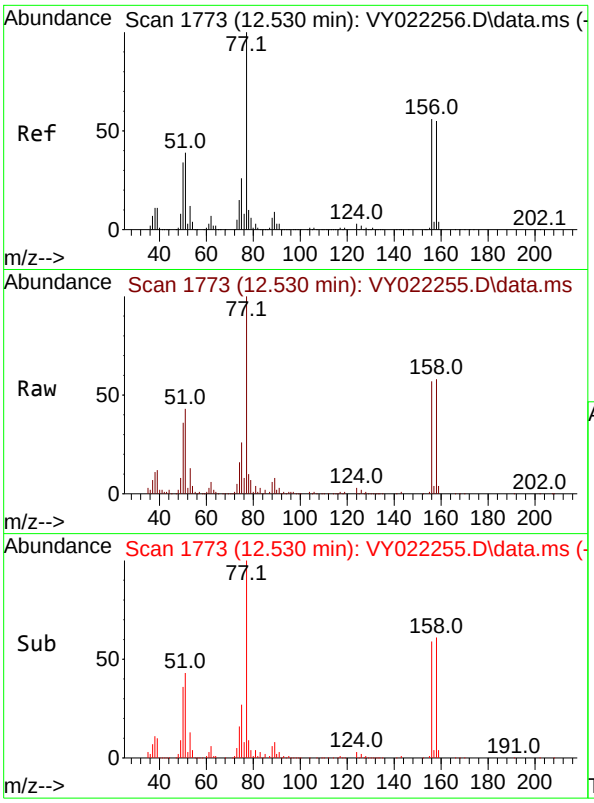


#76
1,2,3-Trichloropropane
Concen: 20.483 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 62275

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



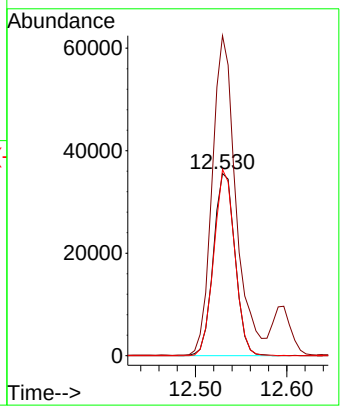


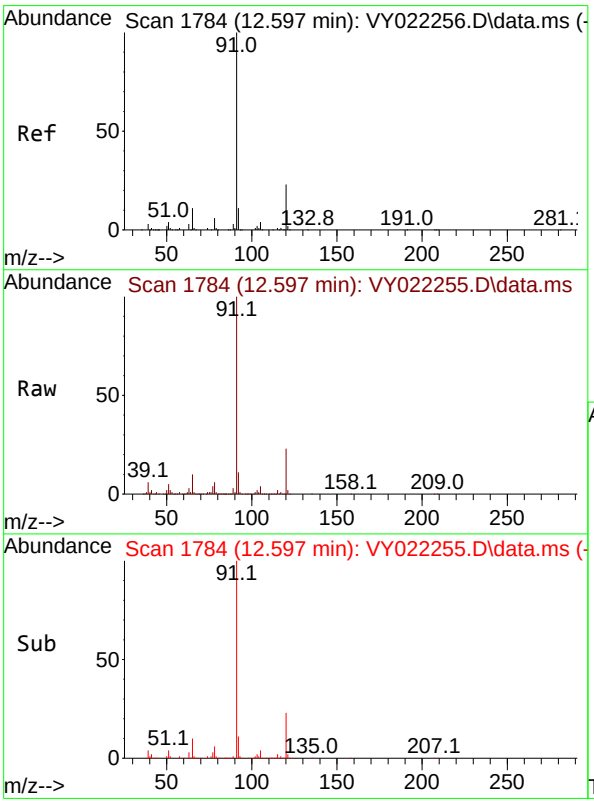
#77
Bromobenzene
Concen: 19.170 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 58515

Ion	Ratio	Lower	Upper
156	100		
77	190.6	94.5	283.6
158	99.0	48.4	145.3

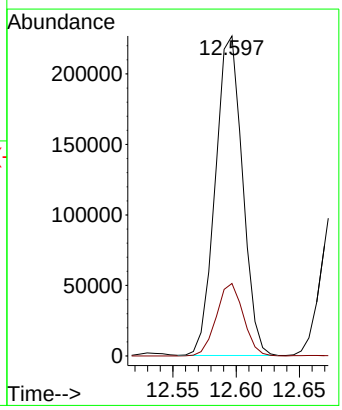


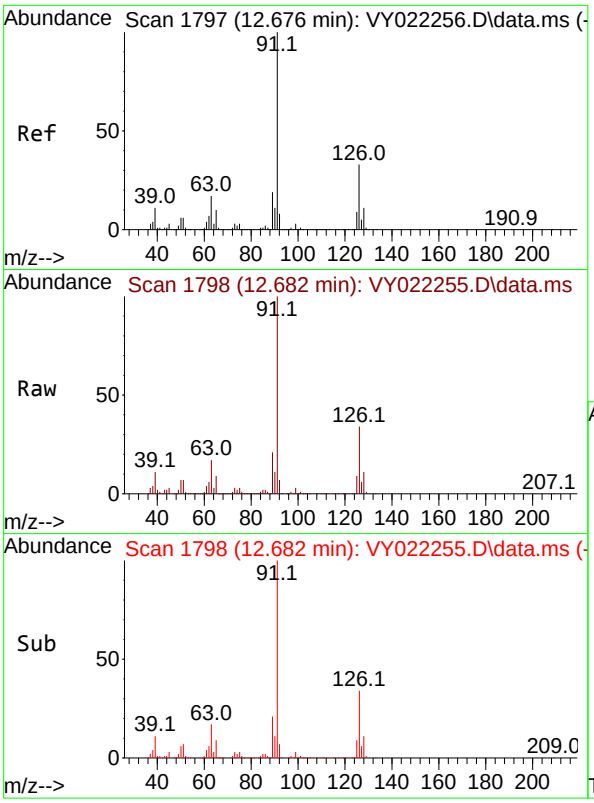


#78
n-propylbenzene
Concen: 19.630 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 338383

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3



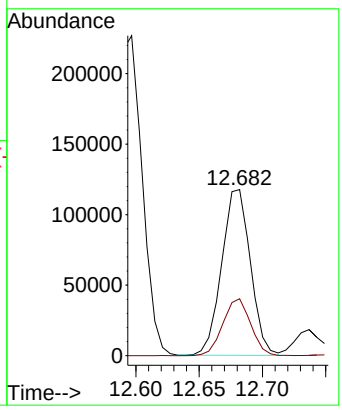


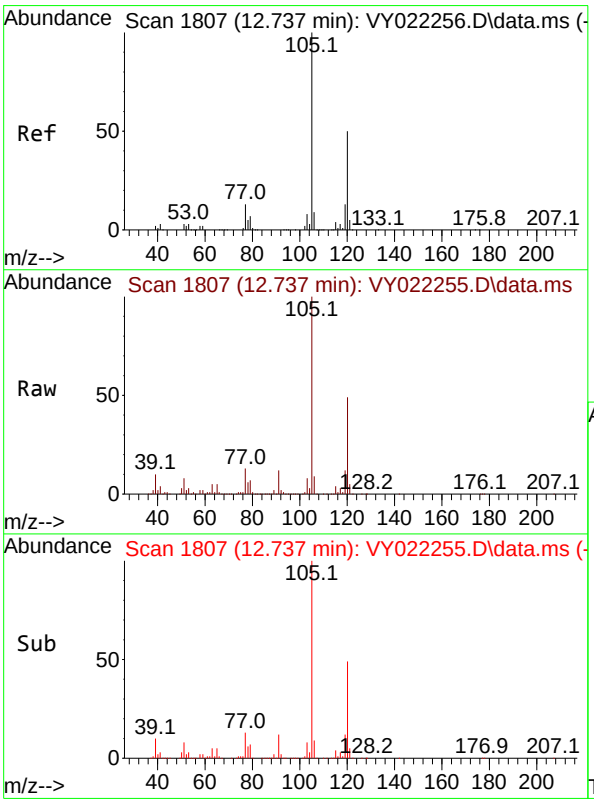
#79
2-Chlorotoluene
Concen: 19.621 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 185872

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

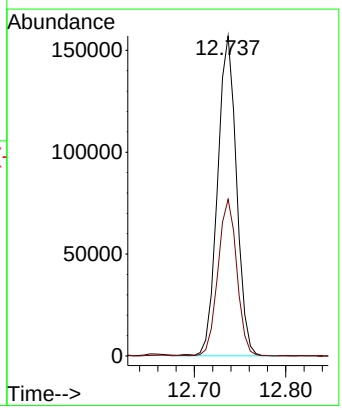


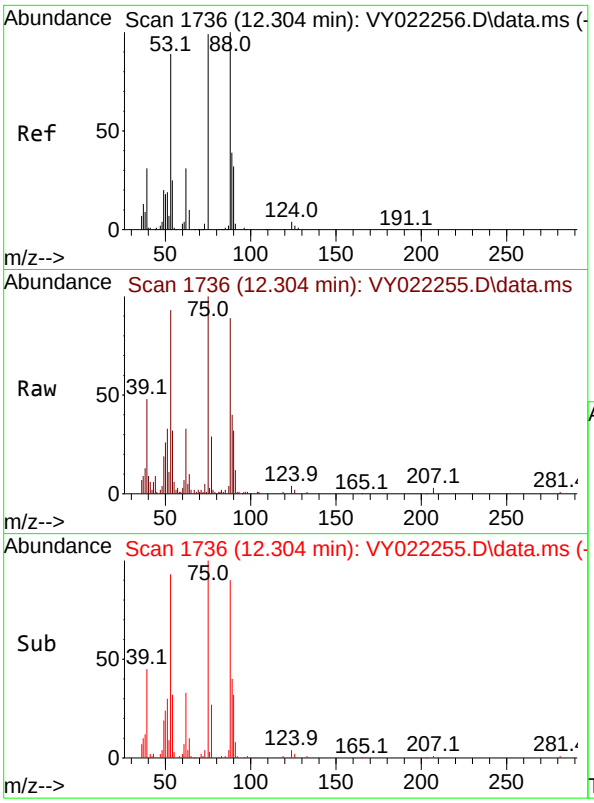


#80
1,3,5-Trimethylbenzene
Concen: 19.587 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 225966

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.2	72.6



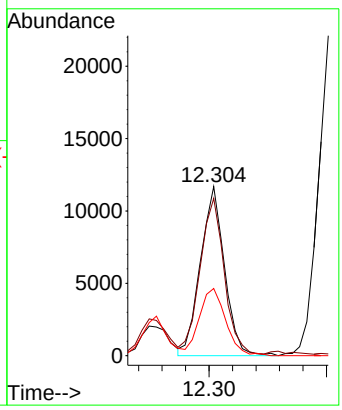


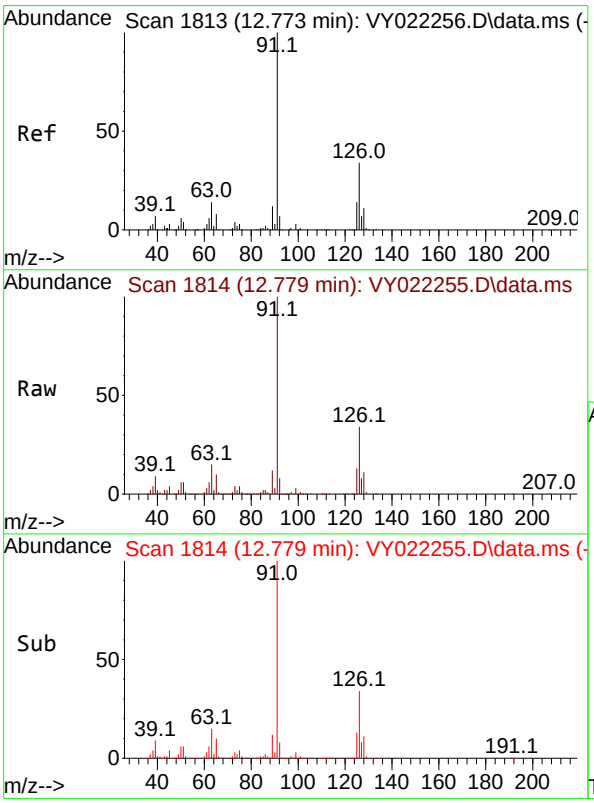
#81
trans-1,4-Dichloro-2-butene
Concen: 19.302 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 16653

Ion	Ratio	Lower	Upper
75	100		
53	92.5	75.8	113.8
89	43.2	36.2	54.2

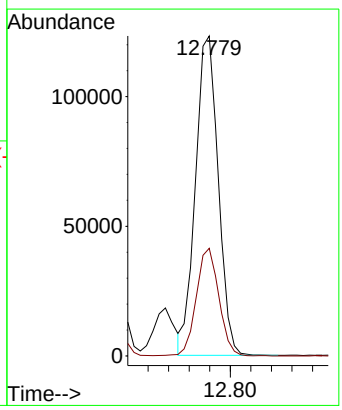


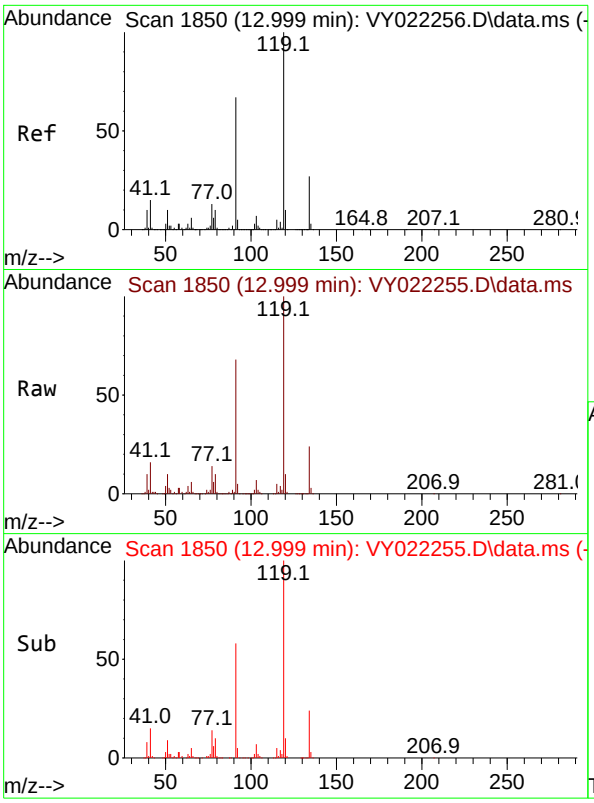


#82
4-Chlorotoluene
Concen: 19.433 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 189350

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



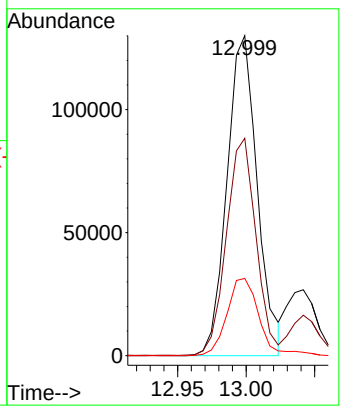


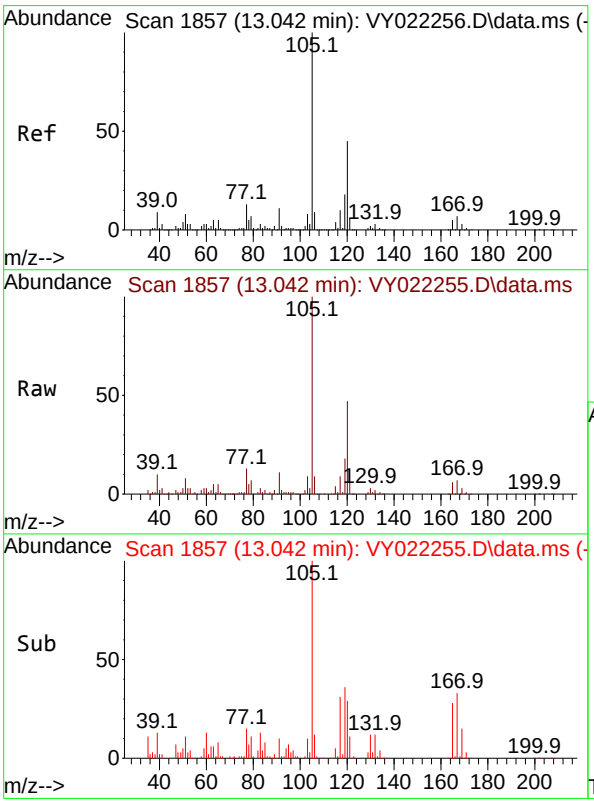
#83
tert-Butylbenzene
Concen: 19.515 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 200101

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.6	12.9	38.6

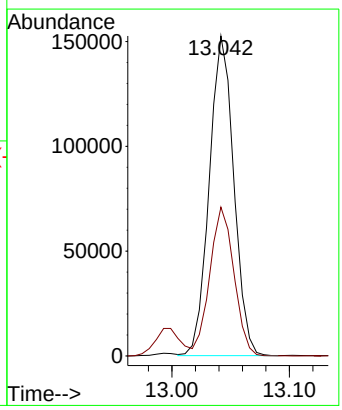


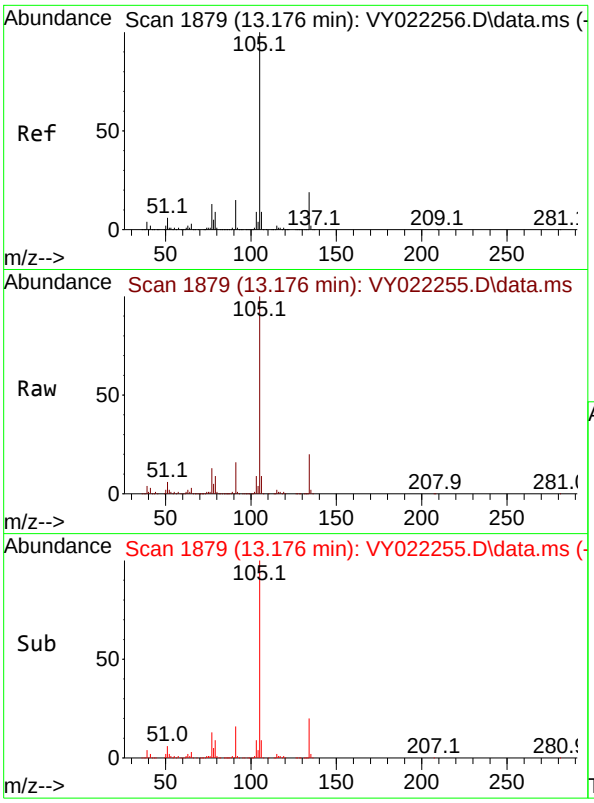


#84
1,2,4-Trimethylbenzene
Concen: 19.315 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 221194

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9



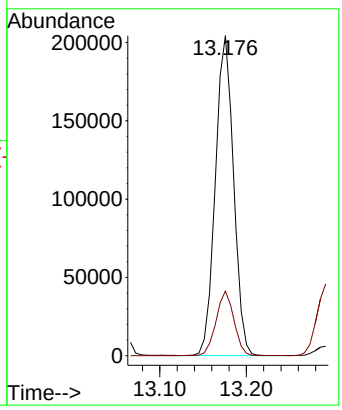


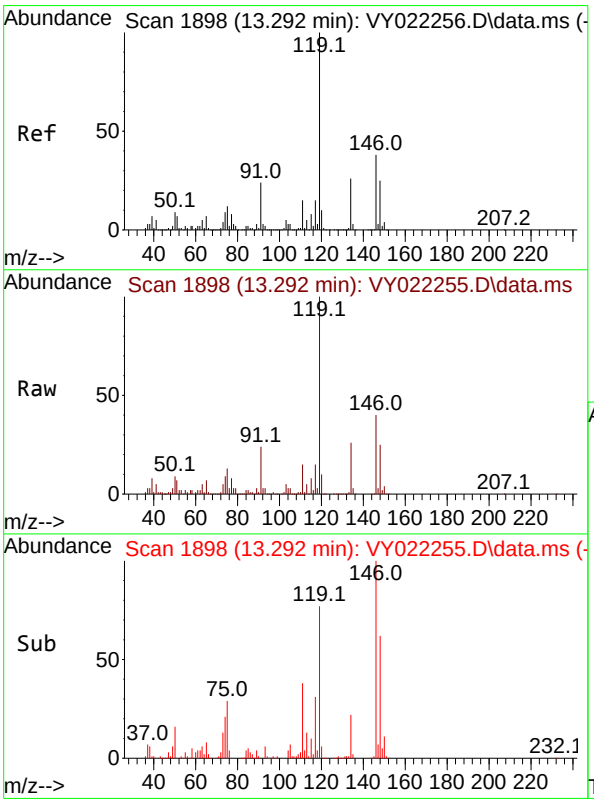
#85
sec-Butylbenzene
Concen: 19.576 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 297975

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

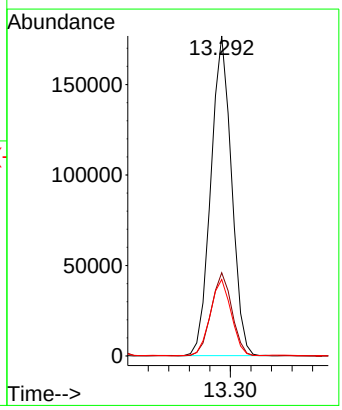


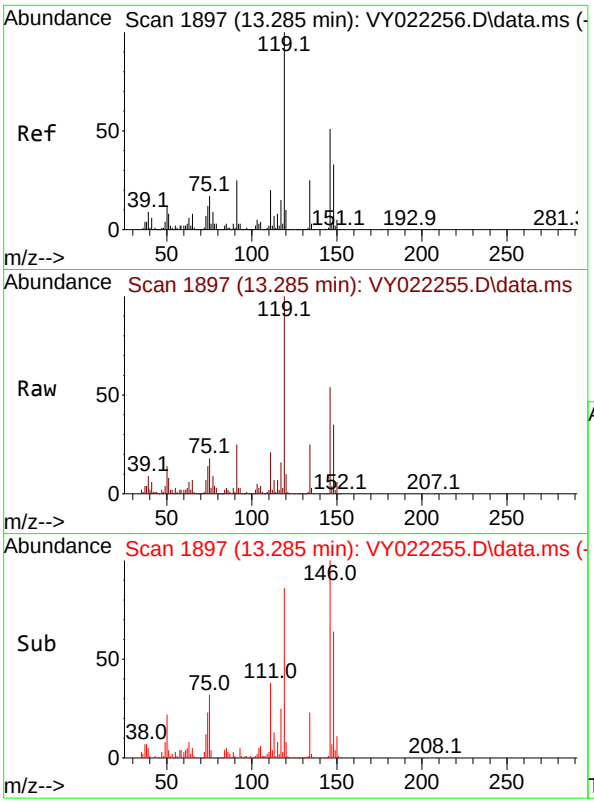


#86
p-Isopropyltoluene
Concen: 19.261 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:119 Resp: 246569

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	24.2	12.1	36.3



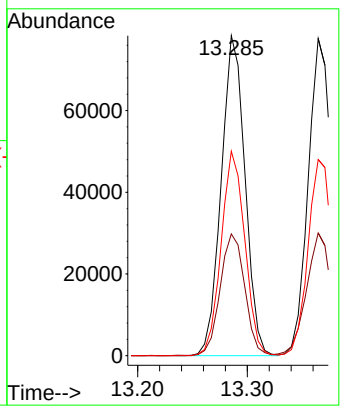


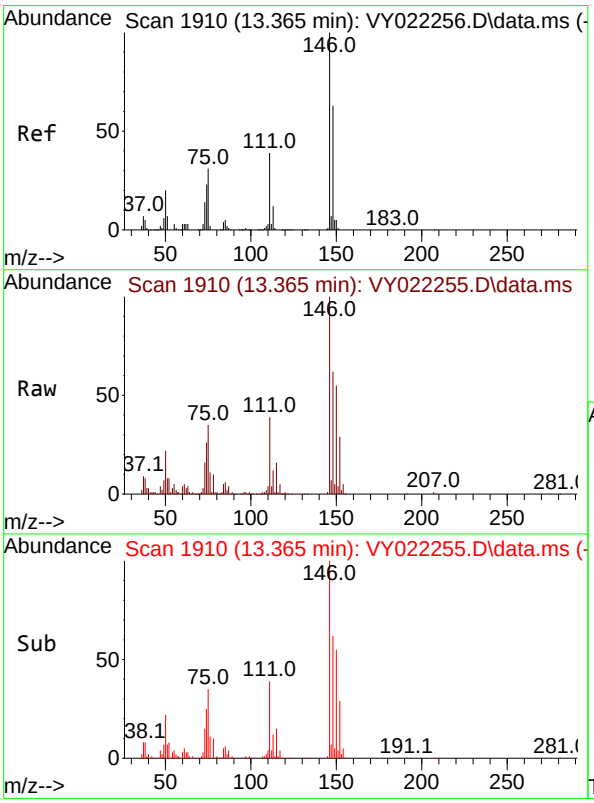
#87
1,3-Dichlorobenzene
Concen: 18.991 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 118336

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.4	31.9	95.7

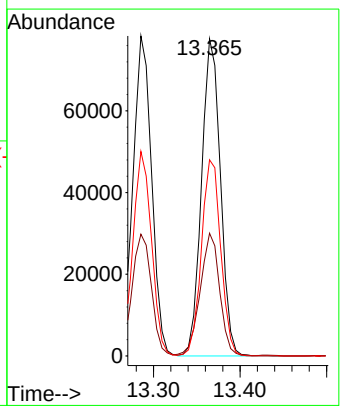


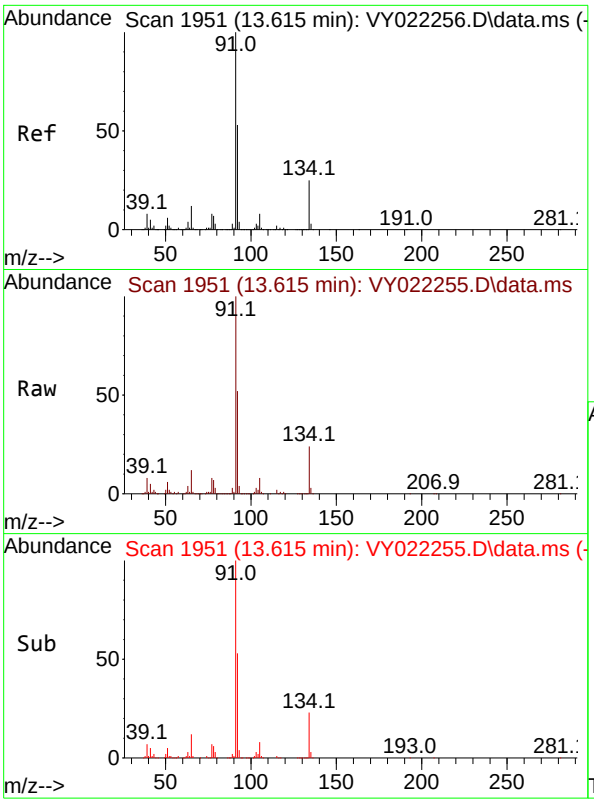


#88
1,4-Dichlorobenzene
Concen: 19.638 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 117705

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.3	32.1	96.5



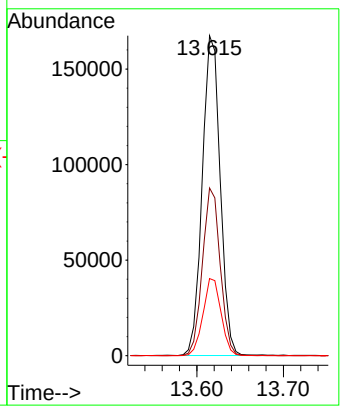


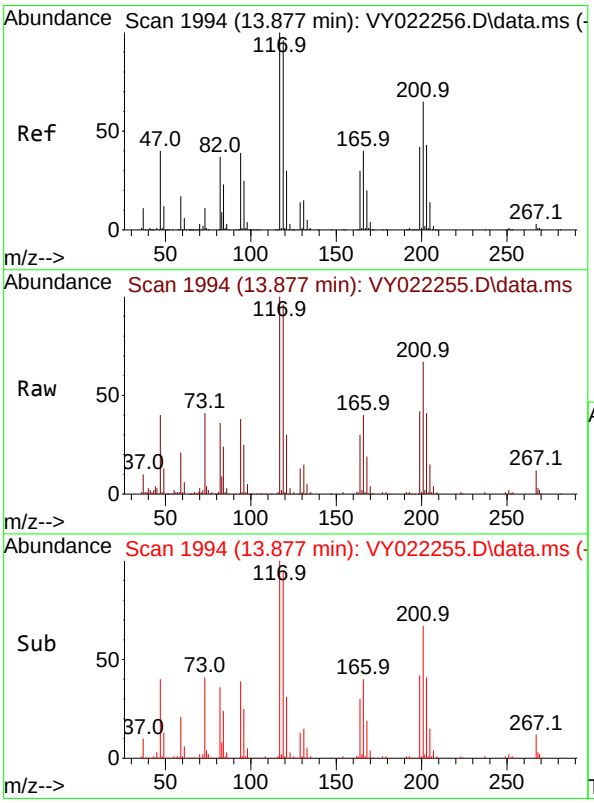
#89
n-Butylbenzene
Concen: 19.887 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 240857

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	24.3	12.4	37.4

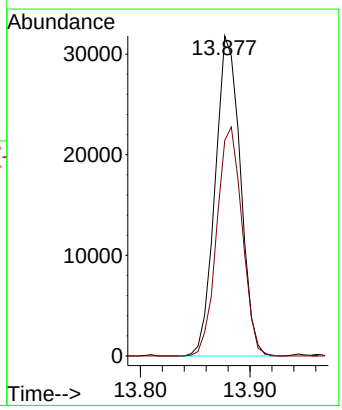


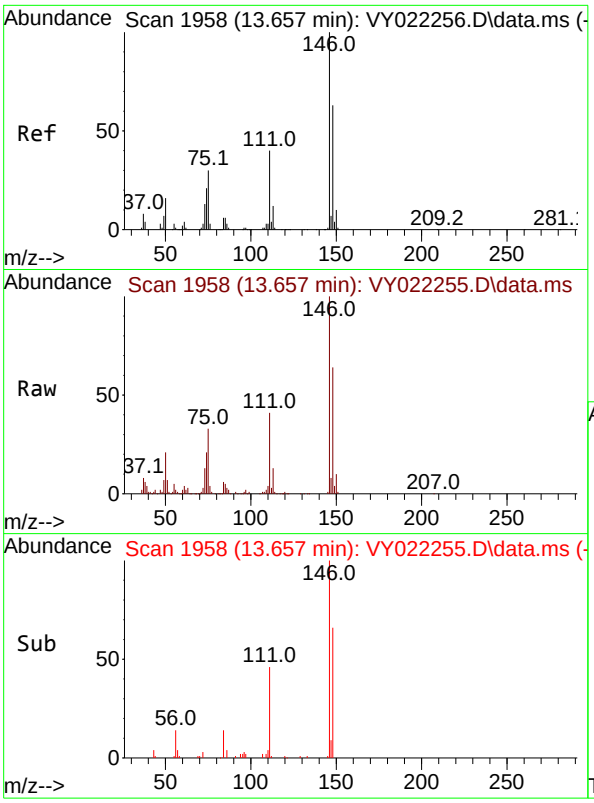


#90
Hexachloroethane
Concen: 19.643 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 50762

Ion	Ratio	Lower	Upper
117	100		
201	72.0	35.2	105.6



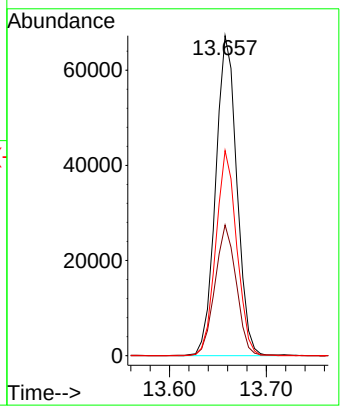


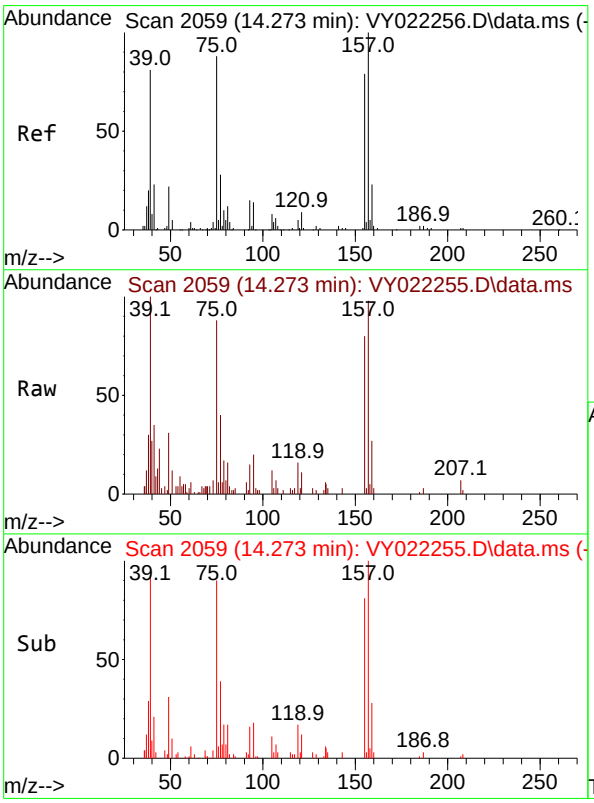
#91
1,2-Dichlorobenzene
Concen: 19.502 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 102077

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.2	32.0	96.0

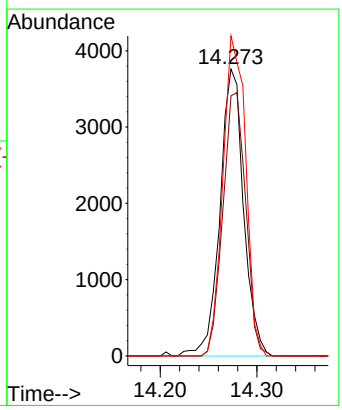


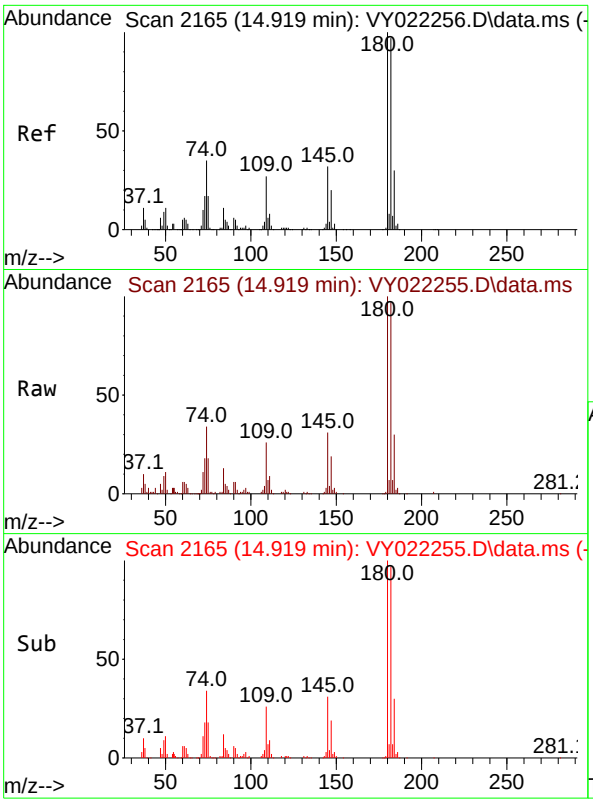


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.021 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 6387

Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.4	130.1
157	107.4	54.6	163.9



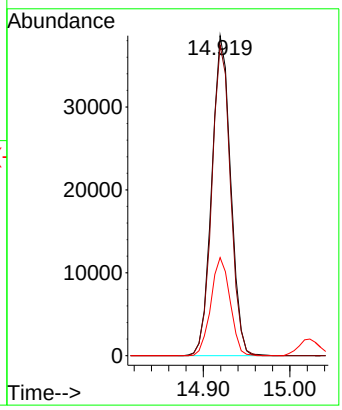


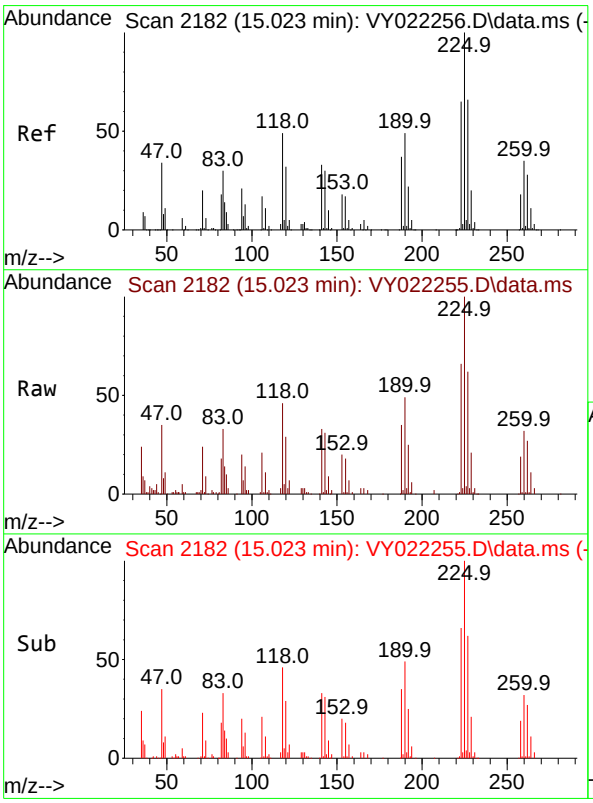
#93
1,2,4-Trichlorobenzene
Concen: 19.346 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 58490

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	31.1	15.0	45.1

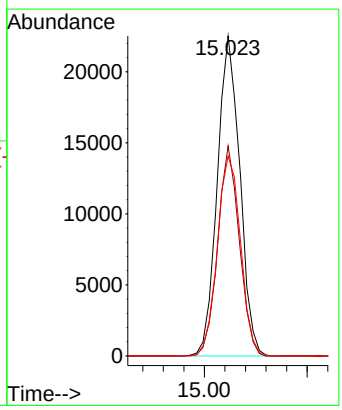


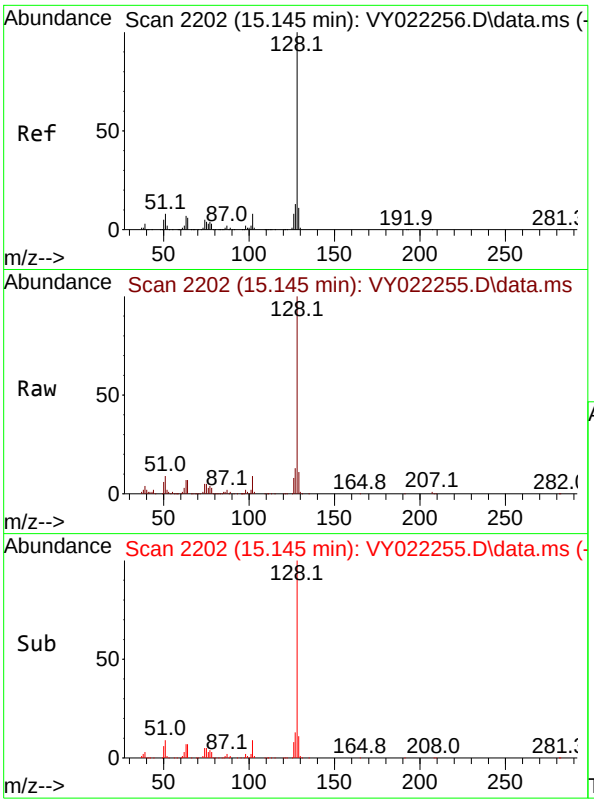


#94
Hexachlorobutadiene
Concen: 20.301 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:225 Resp: 34228

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	64.3	32.1	96.3



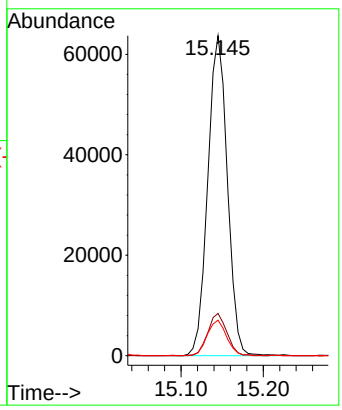


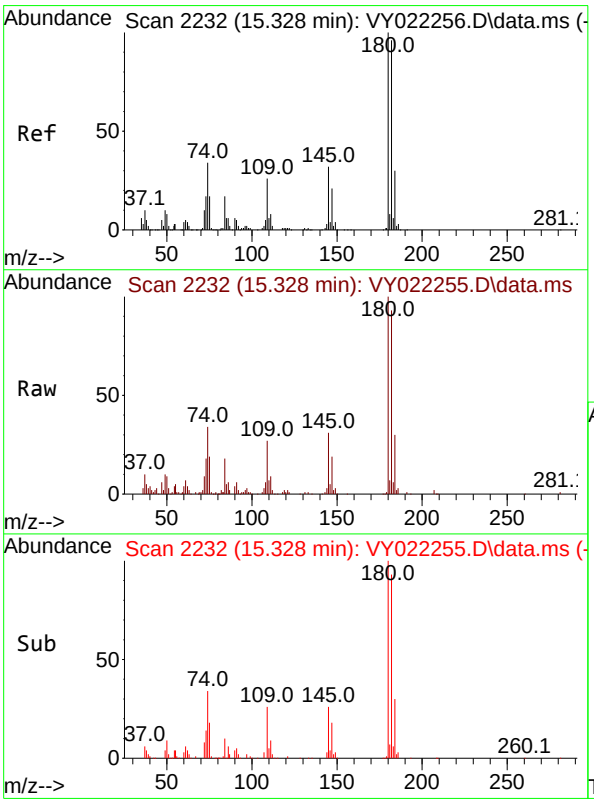
#95
Naphthalene
Concen: 18.362 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 105350

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.8	13.2

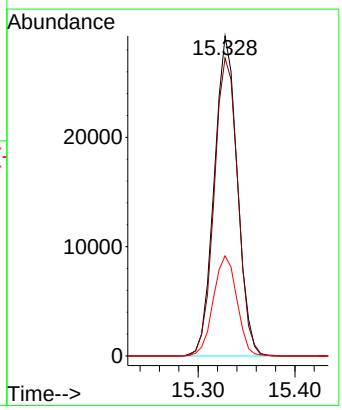




#96
1,2,3-Trichlorobenzene
Concen: 18.888 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:180 Resp: 48444

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	31.9	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	267598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144713	49.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.960%			
35) Dibromofluoromethane	7.634	113	132404	50.495	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%			
50) Toluene-d8	10.103	98	540296	50.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.408	95	169827	49.891	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	135726	48.608	ug/l	100
3) Chloromethane	2.062	50	278892	47.481	ug/l	100
4) Vinyl Chloride	2.202	62	323792	49.341	ug/l	100
5) Bromomethane	2.592	94	234736	43.941	ug/l	100
6) Chloroethane	2.732	64	202370	49.569	ug/l	100
7) Trichlorofluoromethane	3.050	101	324887	48.898	ug/l	100
8) Diethyl Ether	3.452	74	78670	49.338	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	144018	49.930	ug/l	100
10) Methyl Iodide	4.007	142	183918	55.091	ug/l	100
11) Tert butyl alcohol	4.872	59	51598	231.036	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	144103	50.344	ug/l	100
13) Acrolein	3.653	56	75423	231.010	ug/l	100
14) Allyl chloride	4.379	41	256499	51.106	ug/l	100
15) Acrylonitrile	5.061	53	160496	244.283	ug/l	100
16) Acetone	3.873	43	124421	226.888	ug/l	100
17) Carbon Disulfide	4.104	76	468979	50.244	ug/l	100
18) Methyl Acetate	4.385	43	80820	48.436	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	390412	49.466	ug/l	100
20) Methylene Chloride	4.616	84	159764	45.087	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	158544	50.181	ug/l	100
22) Diisopropyl ether	6.019	45	531560	50.152	ug/l	100
23) Vinyl Acetate	5.958	43	1570214	245.223	ug/l	100
24) 1,1-Dichloroethane	5.915	63	298823	50.465	ug/l	100
25) 2-Butanone	6.896	43	215828	235.291	ug/l	100
26) 2,2-Dichloropropane	6.884	77	264141	50.153	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	184842	50.698	ug/l	100
28) Bromochloromethane	7.244	49	126541	50.100	ug/l	100
29) Tetrahydrofuran	7.262	42	142772	241.931	ug/l	100
30) Chloroform	7.421	83	288708	50.831	ug/l	100
31) Cyclohexane	7.701	56	282375	47.728	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	259382	49.777	ug/l	100
36) 1,1-Dichloropropene	7.835	75	221943	51.388	ug/l	100
37) Ethyl Acetate	6.988	43	102924	49.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	226903	50.754	ug/l	100
39) Methylcyclohexane	9.109	83	294336	50.726	ug/l	100
40) Benzene	8.079	78	658644	51.442	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	52599	34.592	ug/l	#	78
42) 1,2-Dichloroethane	8.158	62	176425	50.954	ug/l		100
43) Isopropyl Acetate	8.195	43	225628	49.785	ug/l		100
44) Trichloroethene	8.866	130	162802	51.138	ug/l		100
45) 1,2-Dichloropropane	9.140	63	156870	50.819	ug/l		100
46) Dibromomethane	9.231	93	82994	49.849	ug/l		100
47) Bromodichloromethane	9.420	83	222159	51.435	ug/l		100
48) Methyl methacrylate	9.219	41	105390	49.726	ug/l		100
49) 1,4-Dioxane	9.231	88	18027	958.446	ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	556123	250.085	ug/l		100
52) Toluene	10.170	92	414584	51.134	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	213993	50.768	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	246990	51.143	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	106676	50.036	ug/l		100
56) Ethyl methacrylate	10.438	69	167259	50.364	ug/l		100
57) 1,3-Dichloropropane	10.719	76	192275	50.759	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	403074	270.408	ug/l		100
59) 2-Hexanone	10.762	43	365111	244.881	ug/l		100
60) Dibromochloromethane	10.908	129	141896	51.278	ug/l		100
61) 1,2-Dibromoethane	11.012	107	99822	50.236	ug/l		100
64) Tetrachloroethene	10.646	164	178854	51.249	ug/l		100
65) Chlorobenzene	11.438	112	435874	51.169	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	148798	50.811	ug/l		100
67) Ethyl Benzene	11.518	91	821168	51.473	ug/l		100
68) m/p-Xylenes	11.627	106	617646	102.746	ug/l		100
69) o-Xylene	11.950	106	289897	50.971	ug/l		100
70) Styrene	11.969	104	491792	51.260	ug/l		100
71) Bromoform	12.133	173	78794	49.849	ug/l	#	100
73) Isopropylbenzene	12.255	105	756905	50.657	ug/l		100
74) N-amyl acetate	12.066	43	209097	48.930	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	113234	49.277	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	167060	52.556	ug/l	#	100
77) Bromobenzene	12.530	156	161475	50.599	ug/l		100
78) n-propylbenzene	12.597	91	924664	51.306	ug/l		100
79) 2-Chlorotoluene	12.676	91	505684	51.058	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	615033	50.991	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	42692	47.331	ug/l		100
82) 4-Chlorotoluene	12.773	91	524270	51.464	ug/l		100
83) tert-Butylbenzene	12.999	119	546231	50.952	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	615550	51.410	ug/l		100
85) sec-Butylbenzene	13.176	105	824725	51.825	ug/l		100
86) p-Isopropyltoluene	13.292	119	688561	51.446	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	331536	50.890	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	315598	50.363	ug/l		100
89) n-Butylbenzene	13.615	91	661532	52.245	ug/l		100
90) Hexachloroethane	13.877	117	137225	50.791	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	276666	50.558	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18039	48.682	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	162275	51.338	ug/l		100
94) Hexachlorobutadiene	15.023	225	90452	51.313	ug/l		100
95) Naphthalene	15.145	128	298075	49.692	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	135673	50.596	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

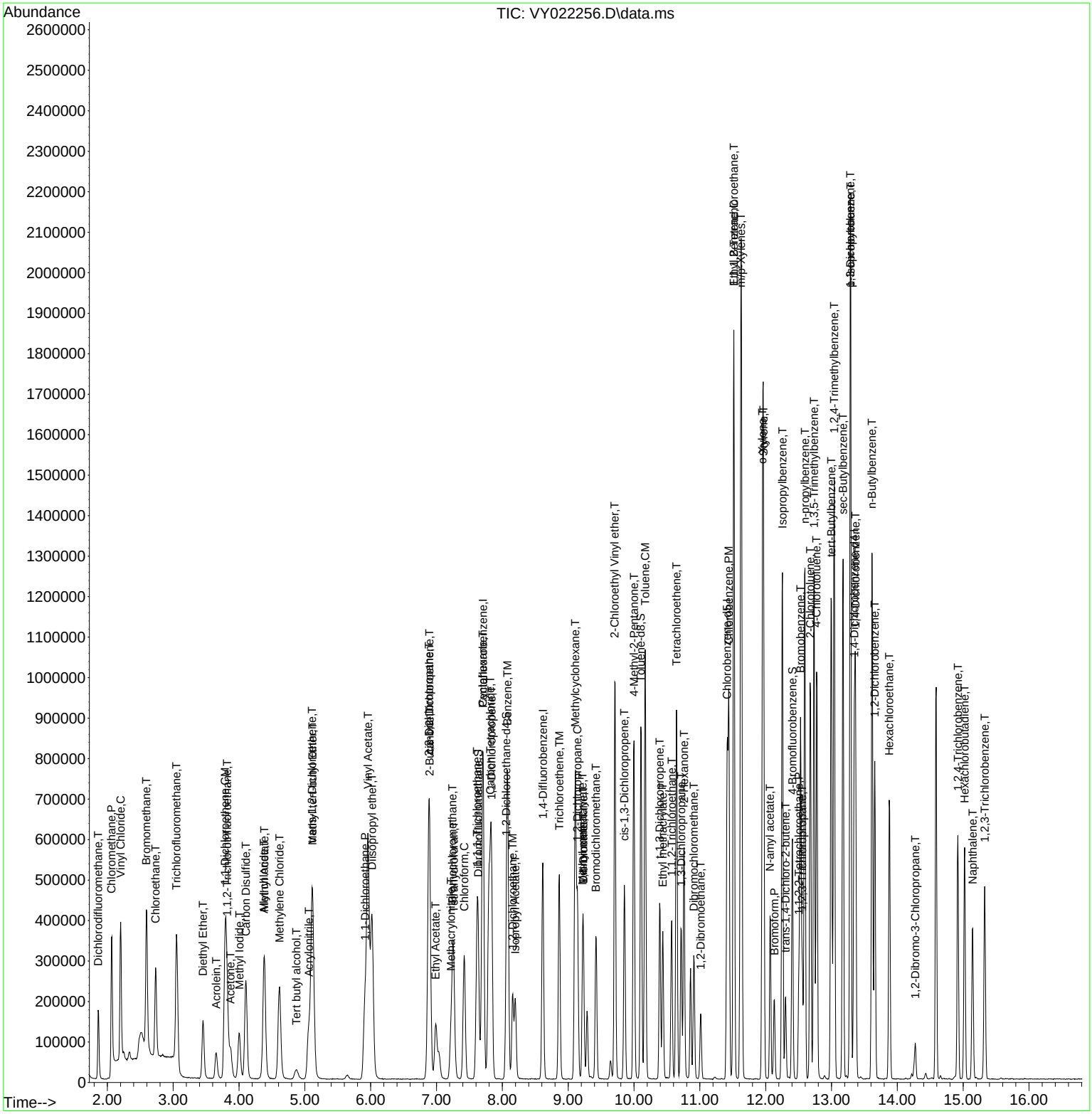
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

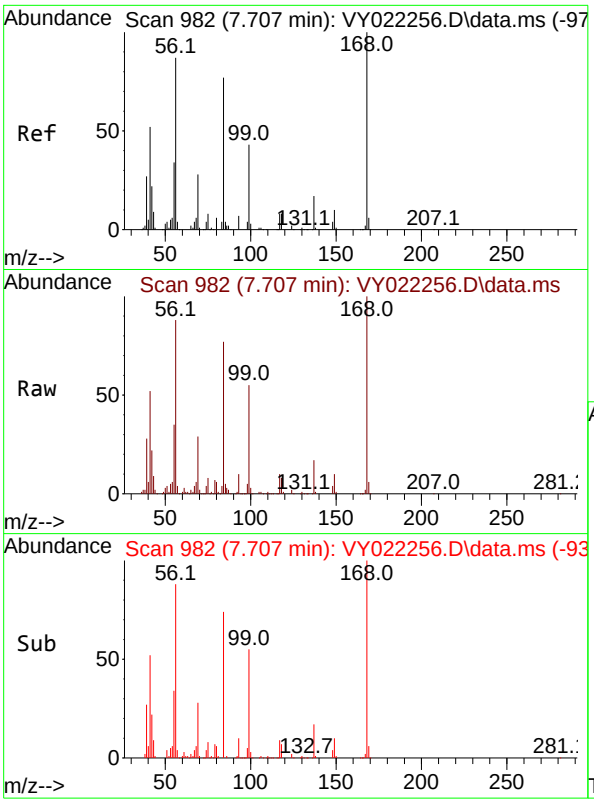
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration



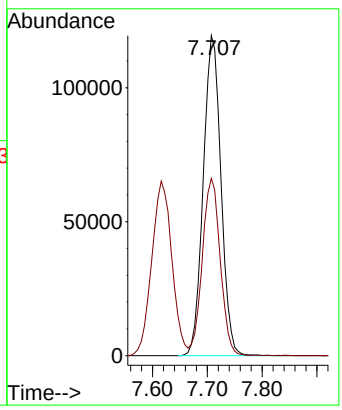


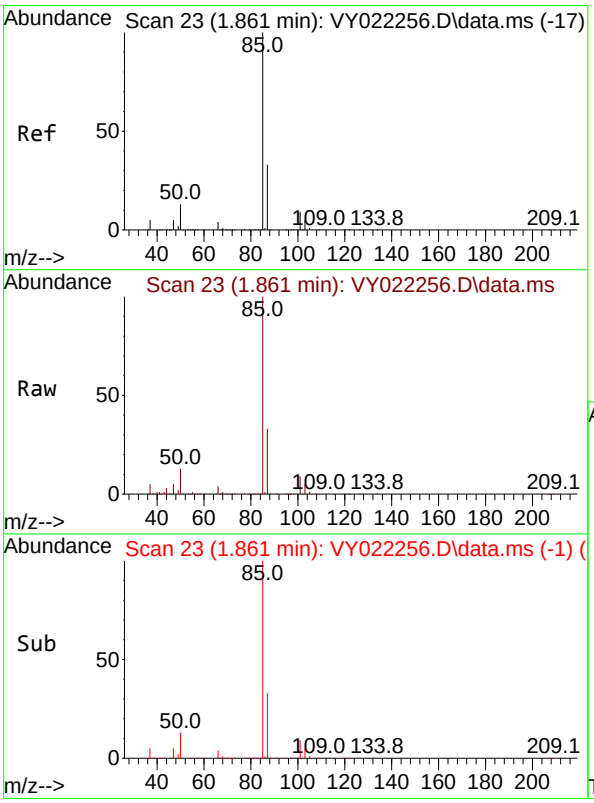
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 267598

Ion	Ratio	Lower	Upper
168	100		
99	55.3	44.2	66.4

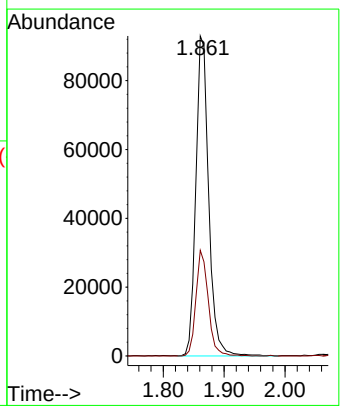


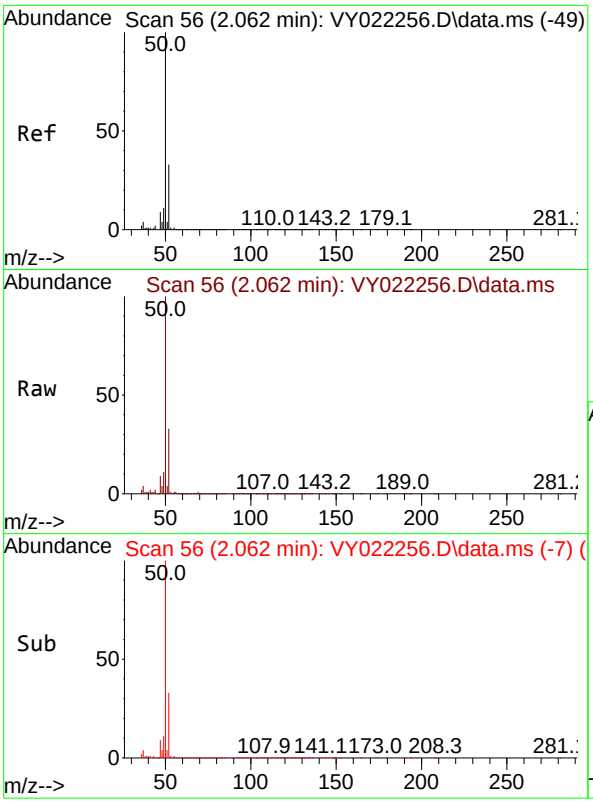


#2
Dichlorodifluoromethane
Concen: 48.608 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 85 Resp: 135726

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5



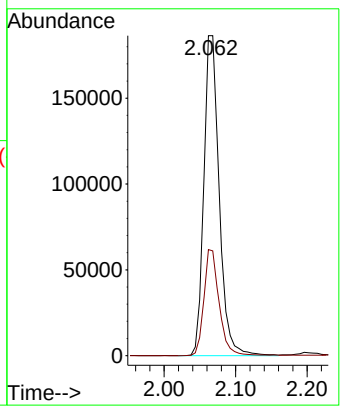


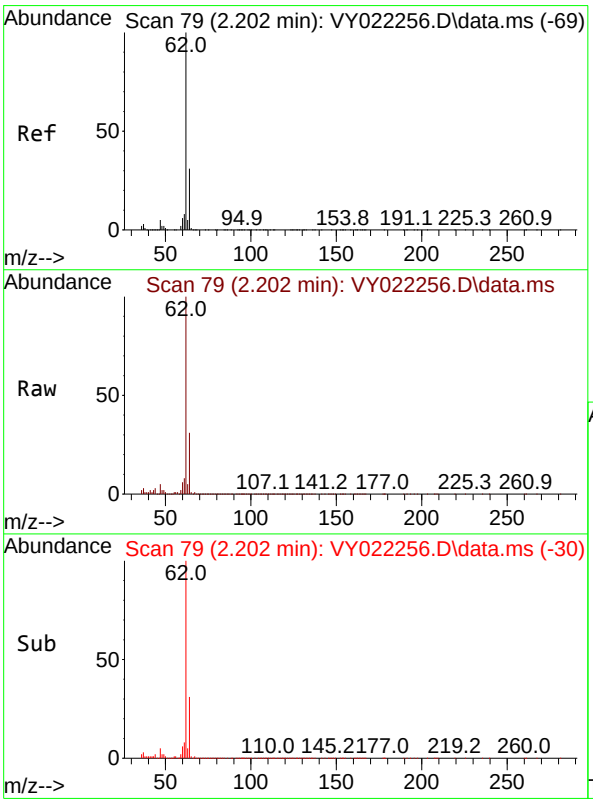
#3
Chloromethane
Concen: 47.481 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 278892

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7

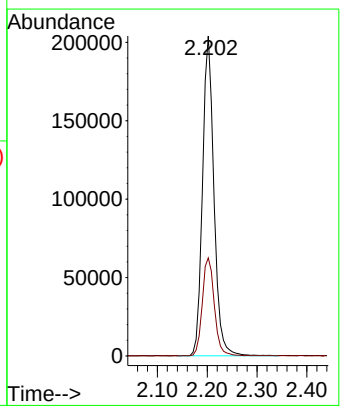


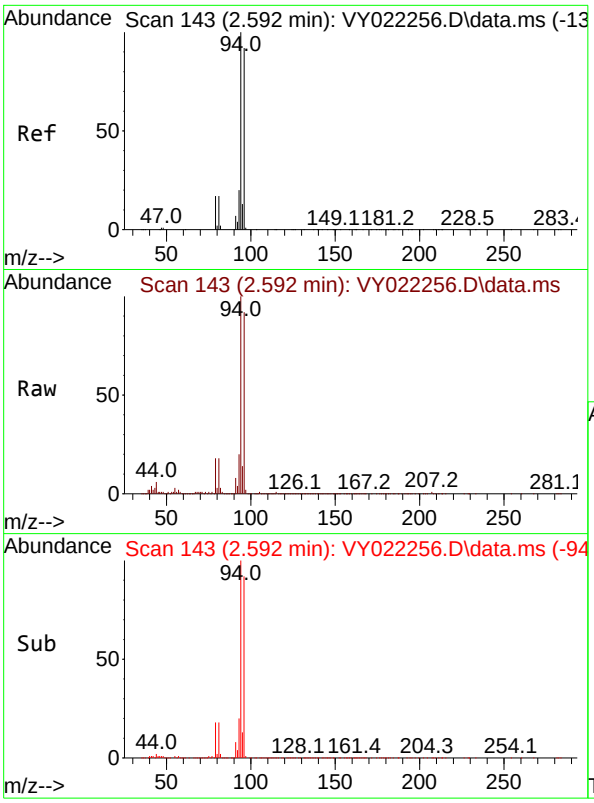


#4
Vinyl Chloride
Concen: 49.341 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 323792

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7



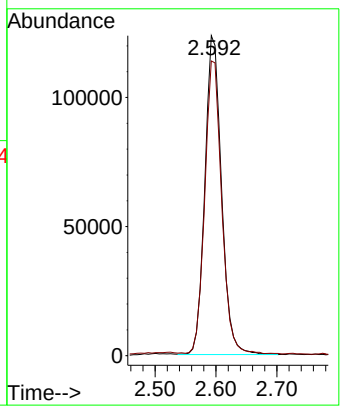


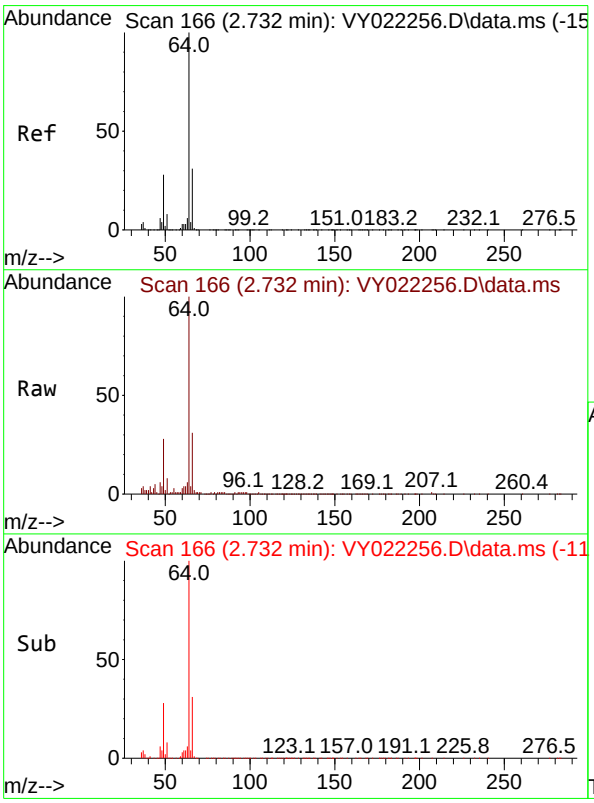
#5
Bromomethane
Concen: 43.941 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 234736

Ion	Ratio	Lower	Upper
94	100		
96	91.7	73.4	110.0

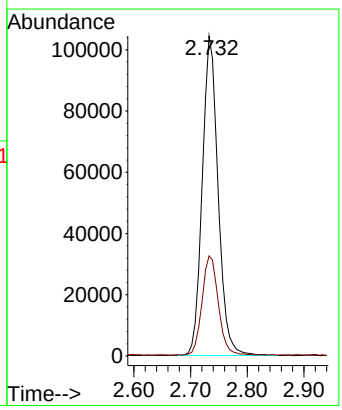


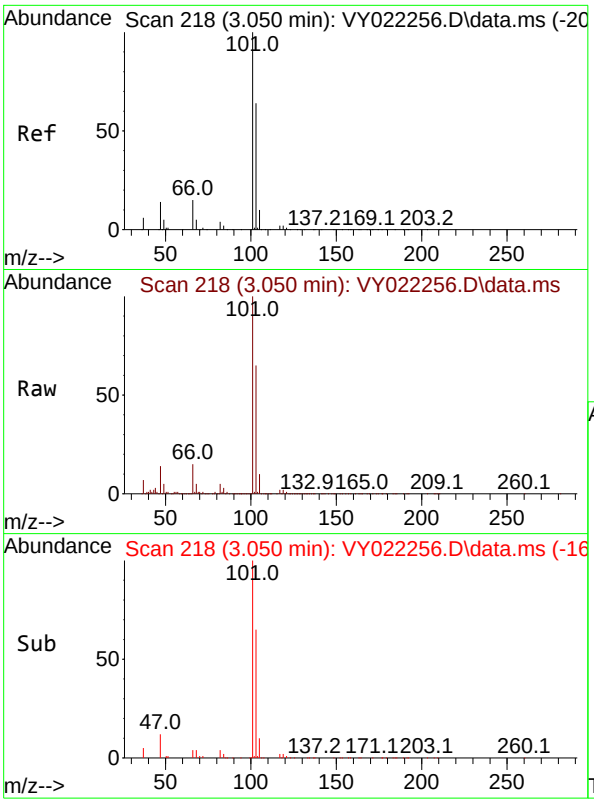


#6
Chloroethane
Concen: 49.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 64 Resp: 202370

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.8	37.2



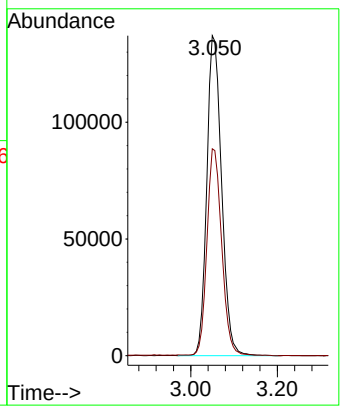


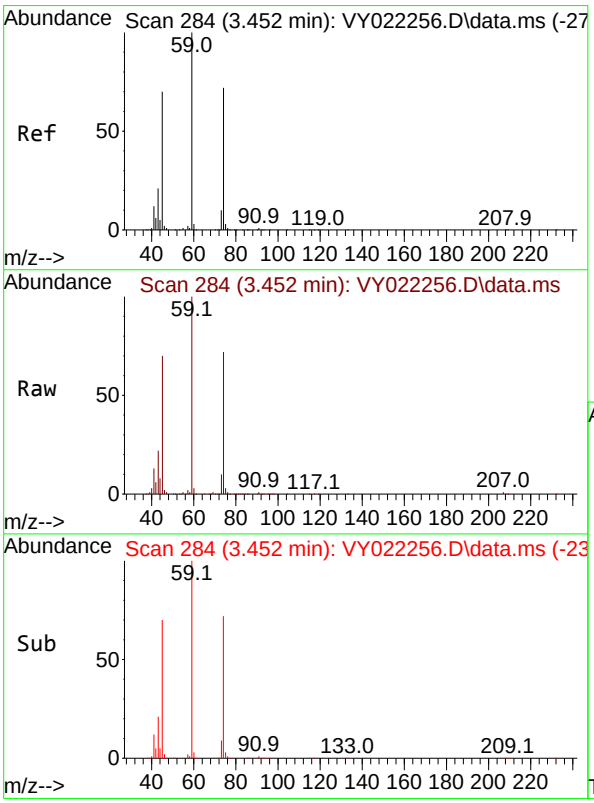
#7
Trichlorofluoromethane
Concen: 48.898 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 324887

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

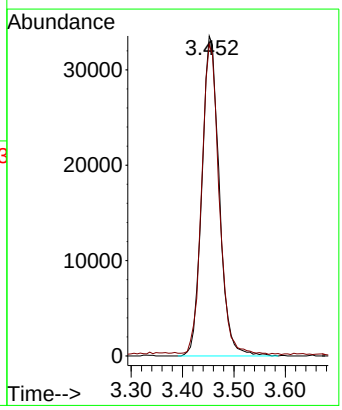


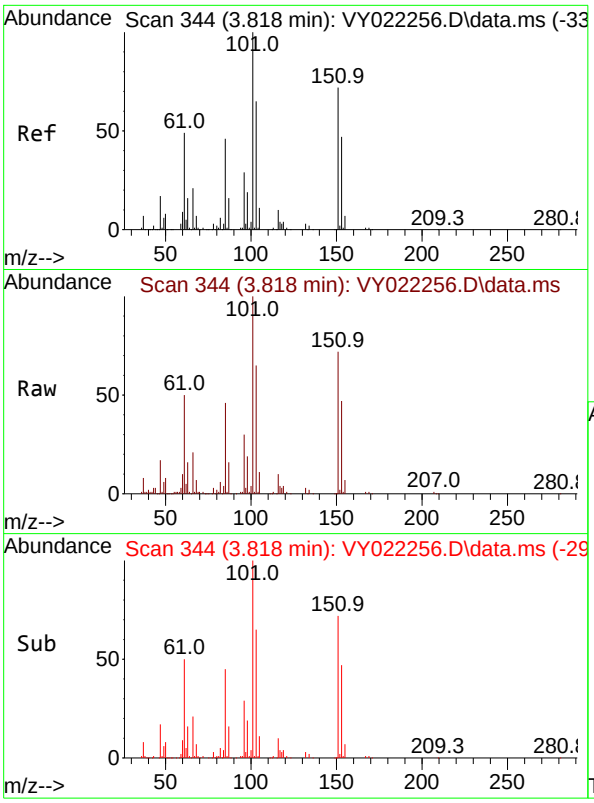


#8
Diethyl Ether
Concen: 49.338 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 74 Resp: 78670

Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8



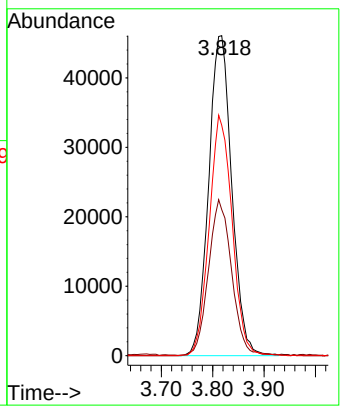


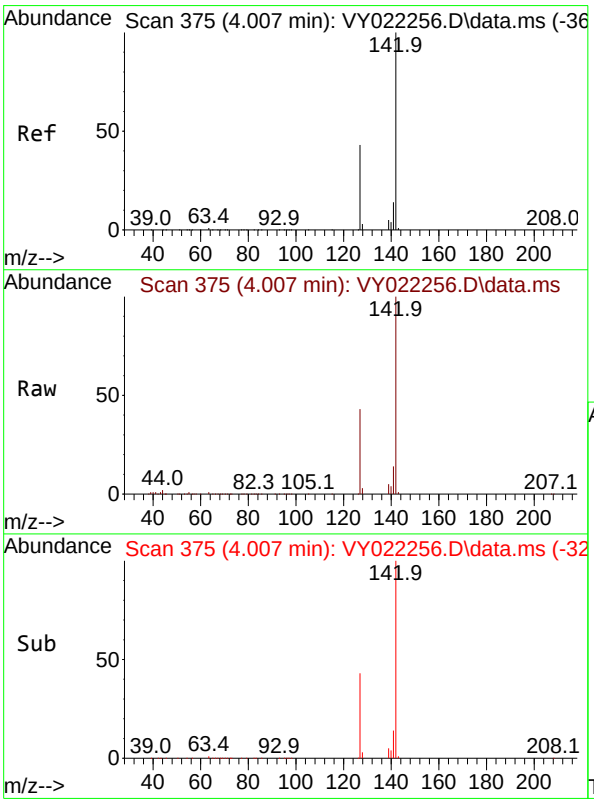
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.930 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 144018

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	74.6	59.7	89.5

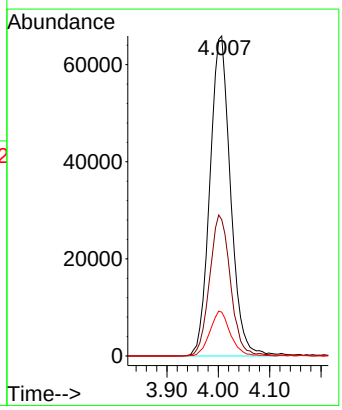


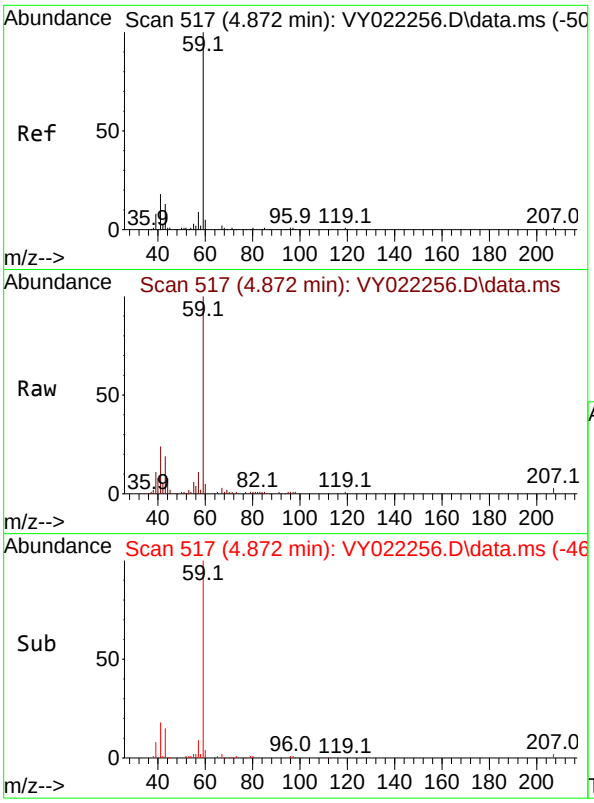


#10
Methyl Iodide
Concen: 55.091 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:142 Resp: 183918

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.7	53.5
141	13.9	11.1	16.7



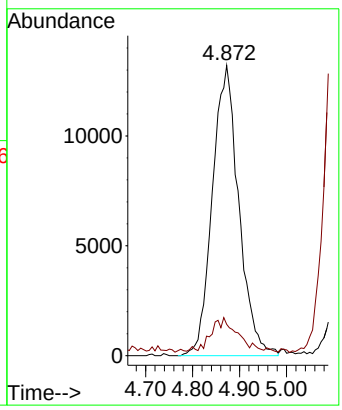


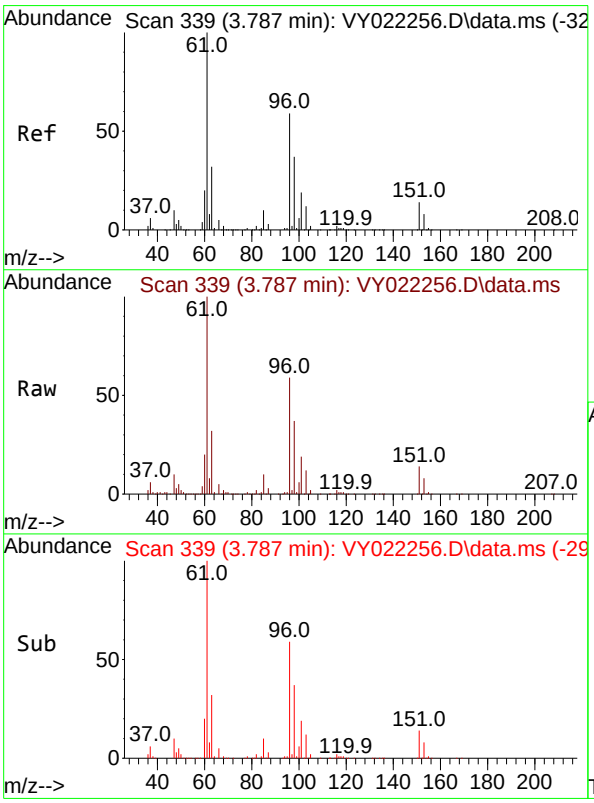
#11
Tert butyl alcohol
Concen: 231.036 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 51598

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

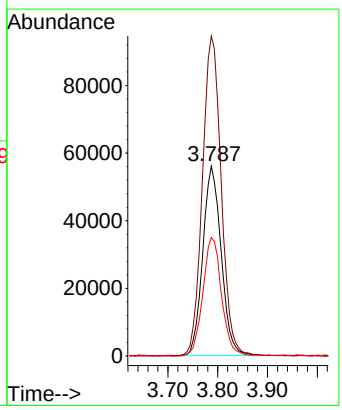


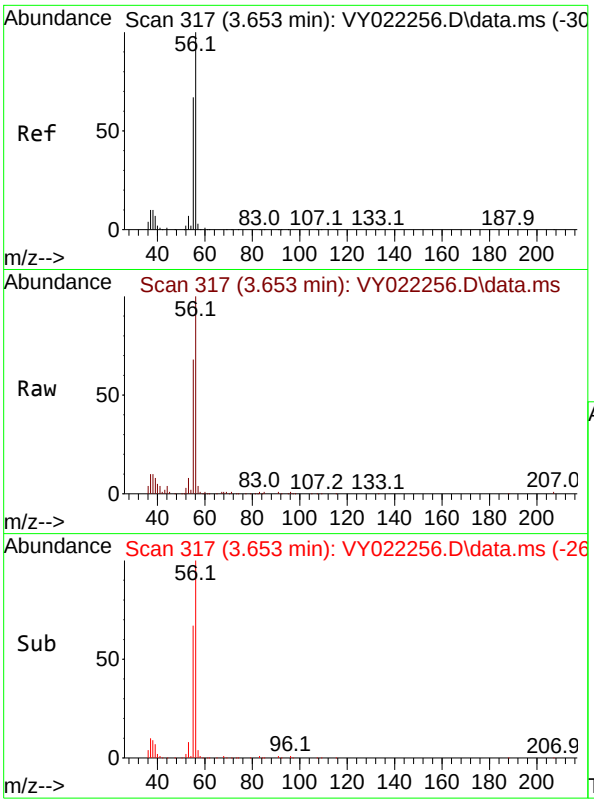


#12
1,1-Dichloroethene
Concen: 50.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 144103

Ion	Ratio	Lower	Upper
96	100		
61	168.6	134.9	202.3
98	62.4	49.9	74.9



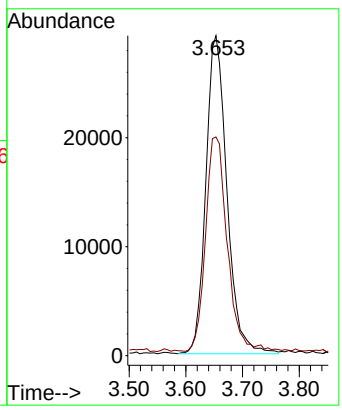


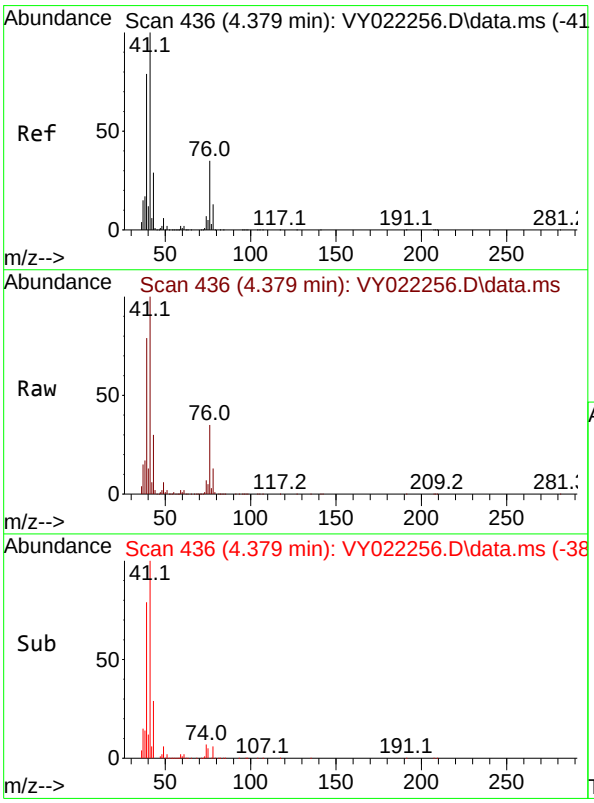
#13
Acrolein
Concen: 231.010 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 75423

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4

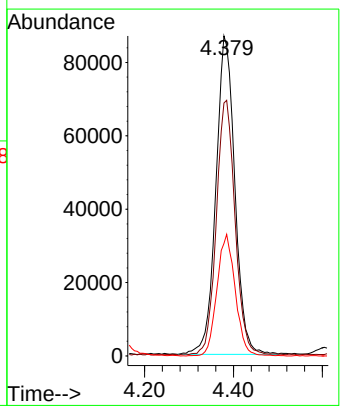


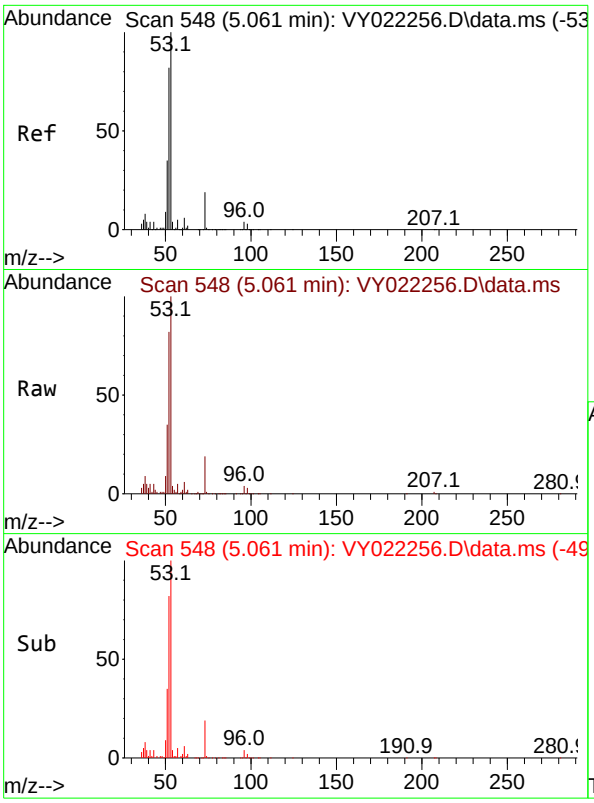


#14
Allyl chloride
Concen: 51.106 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 256499

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.9	29.5	44.3



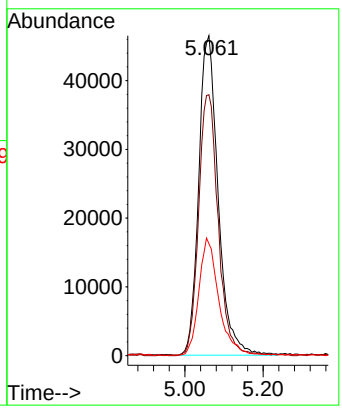


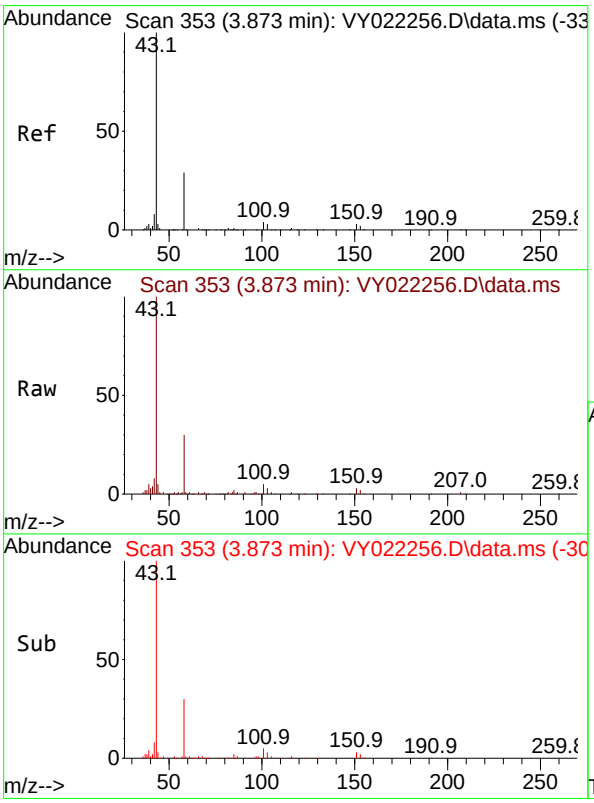
#15
Acrylonitrile
Concen: 244.283 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 160496

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.5	30.0	45.0

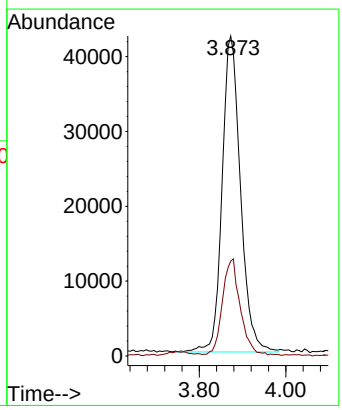


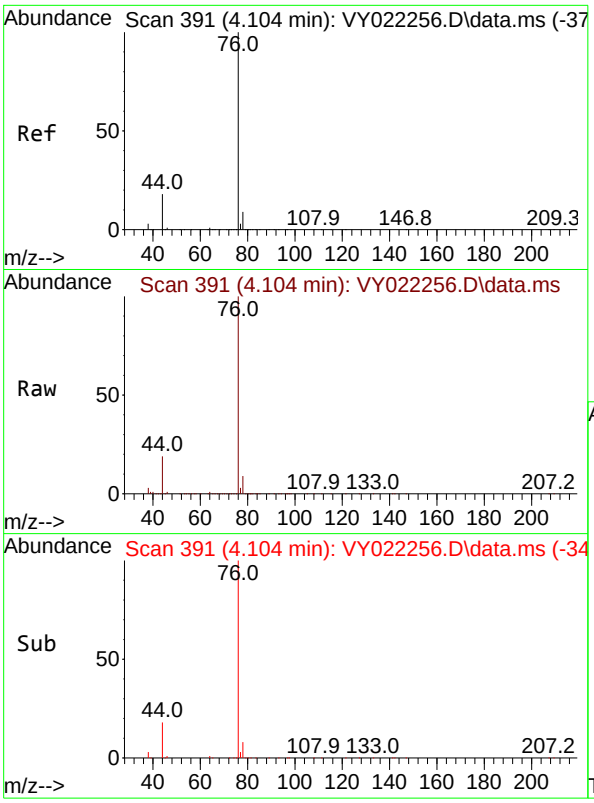


#16
Acetone
Concen: 226.888 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 124421

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4



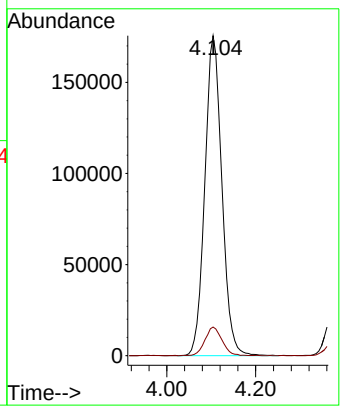


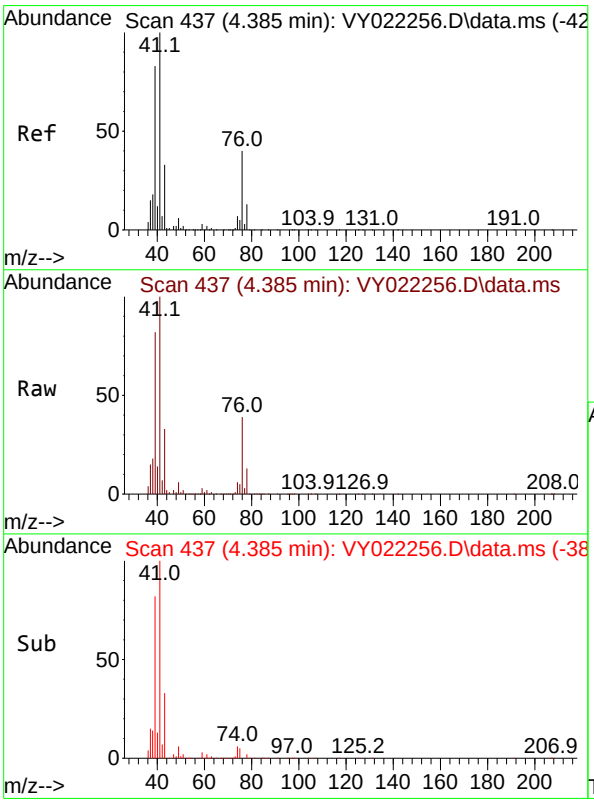
#17
Carbon Disulfide
Concen: 50.244 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 468979

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

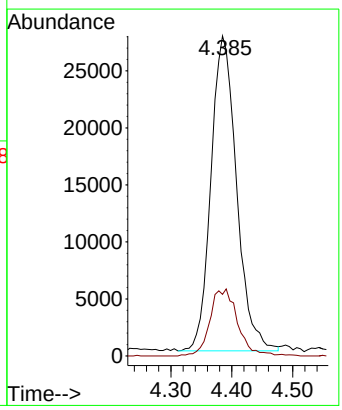


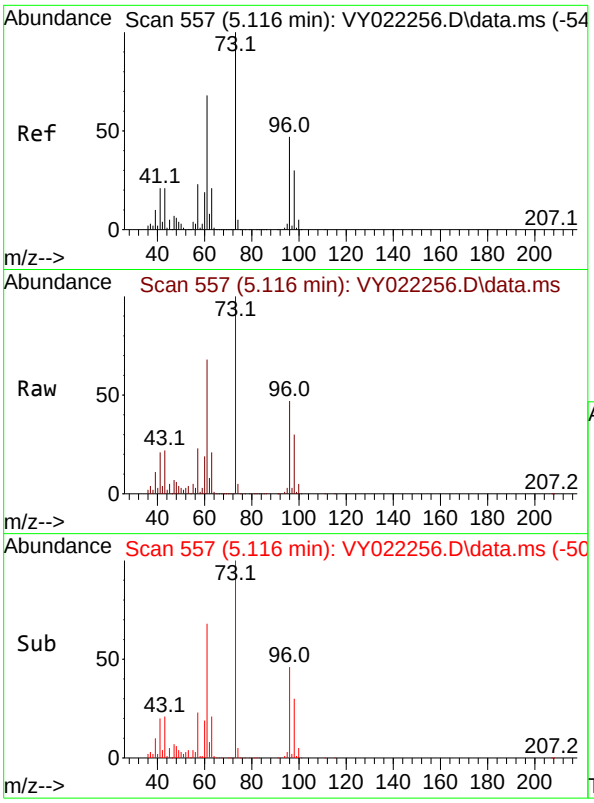


#18
Methyl Acetate
Concen: 48.436 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 80820

Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.2	27.4



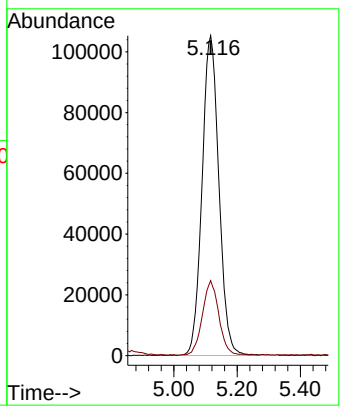


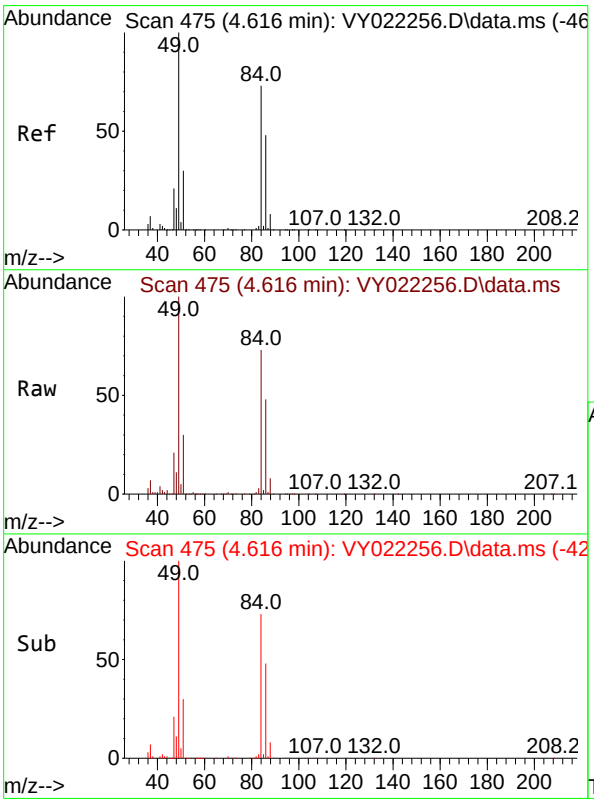
#19
Methyl tert-butyl Ether
Concen: 49.466 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 390412

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	28.0

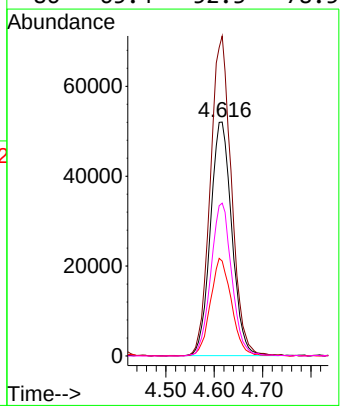


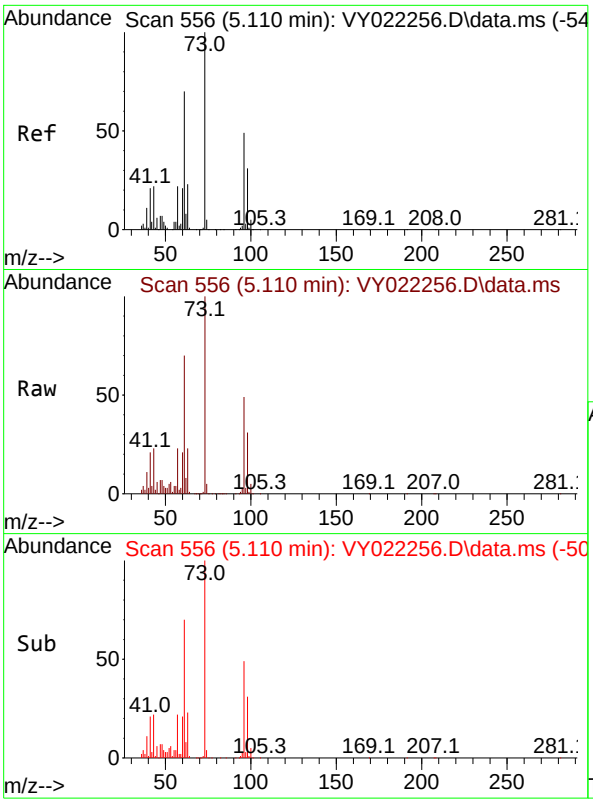


#20
Methylene Chloride
Concen: 45.087 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 84 Resp: 159764

Ion	Ratio	Lower	Upper
84	100		
49	137.0	109.6	164.4
51	40.5	32.4	48.6
86	65.4	52.3	78.5



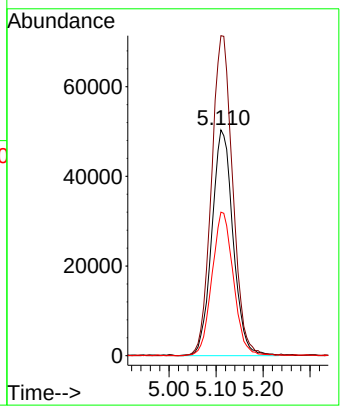


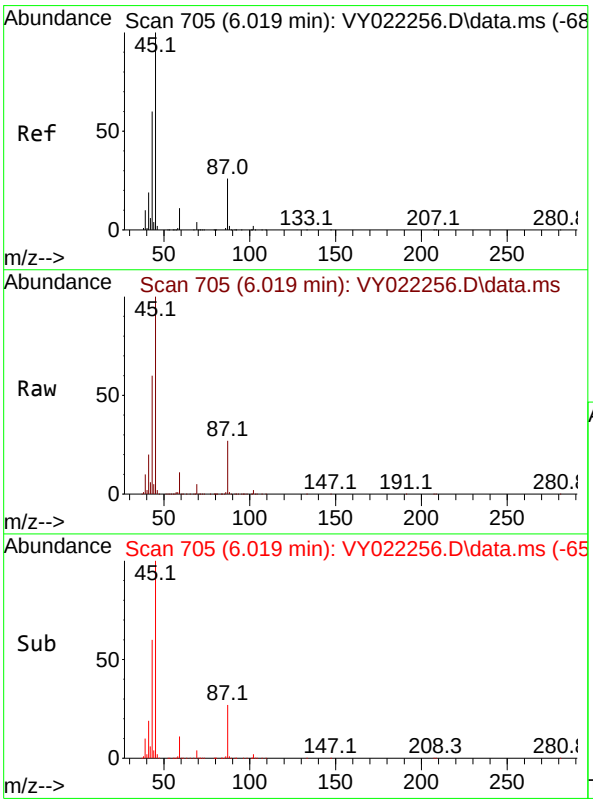
#21
trans-1,2-Dichloroethene
Concen: 50.181 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 158544

Ion	Ratio	Lower	Upper
96	100		
61	141.7	113.4	170.0
98	63.6	50.9	76.3

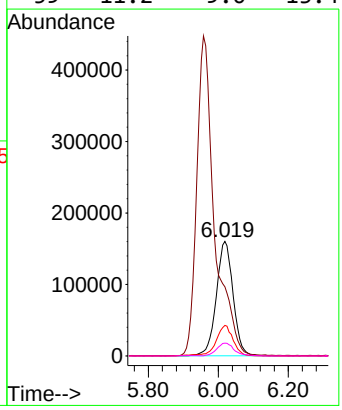


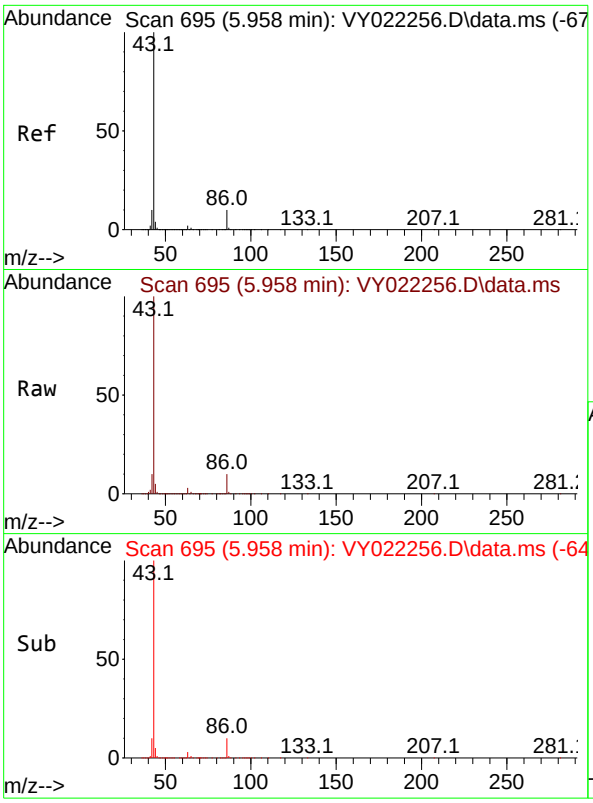


#22
Diisopropyl ether
Concen: 50.152 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 45 Resp: 531560

Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	26.7	21.4	32.0
59	11.2	9.0	13.4



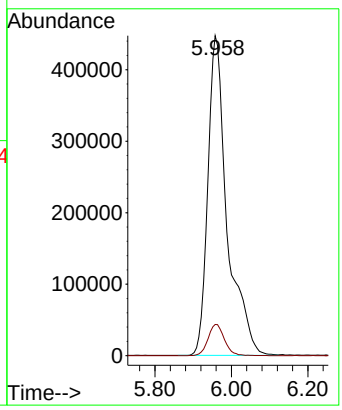


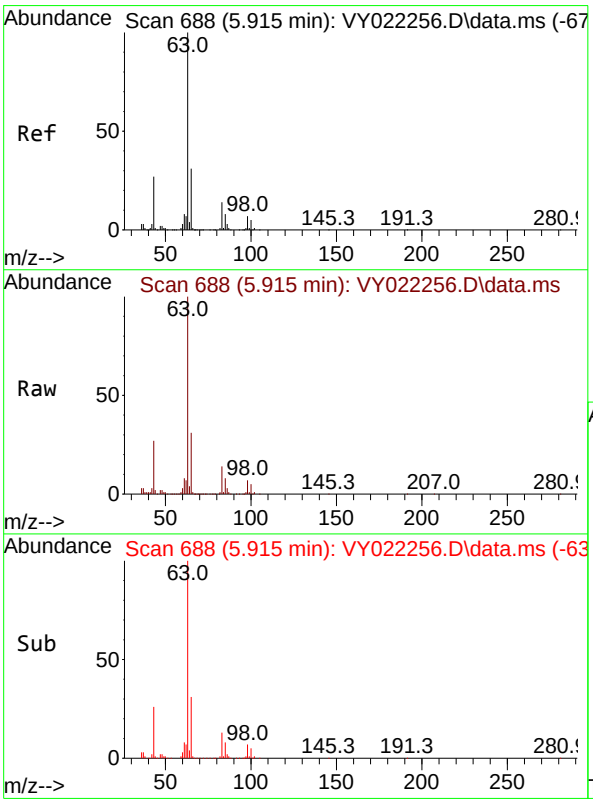
#23
Vinyl Acetate
Concen: 245.223 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1570214

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

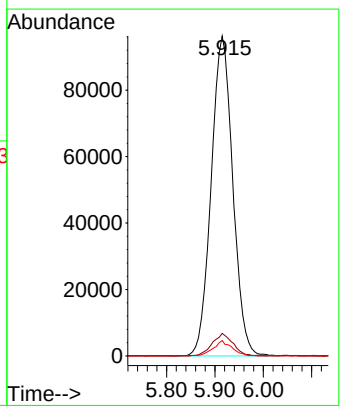


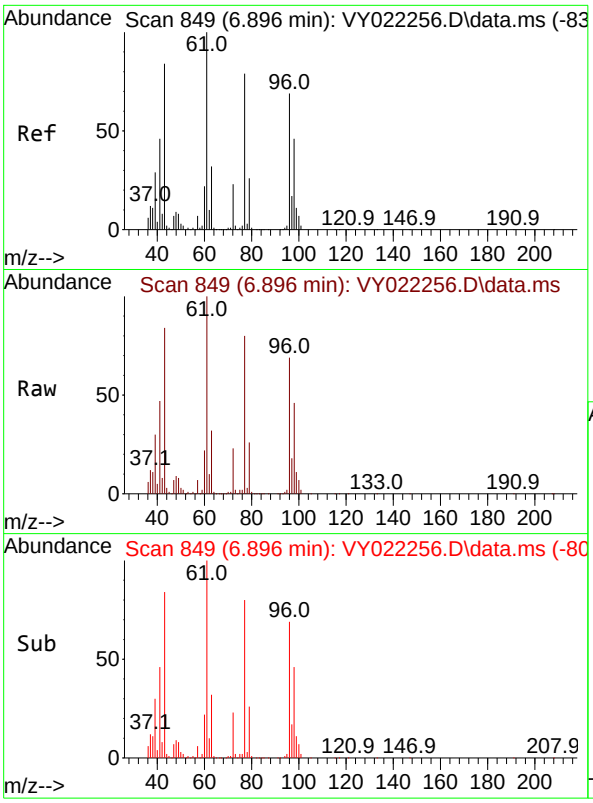


#24
1,1-Dichloroethane
Concen: 50.465 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 298823

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.8	2.4	7.2



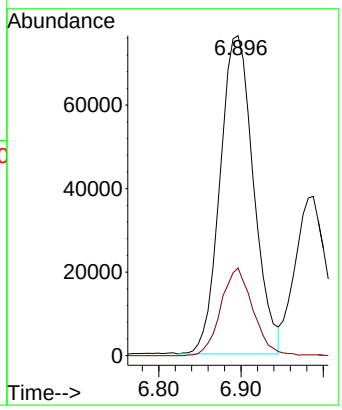


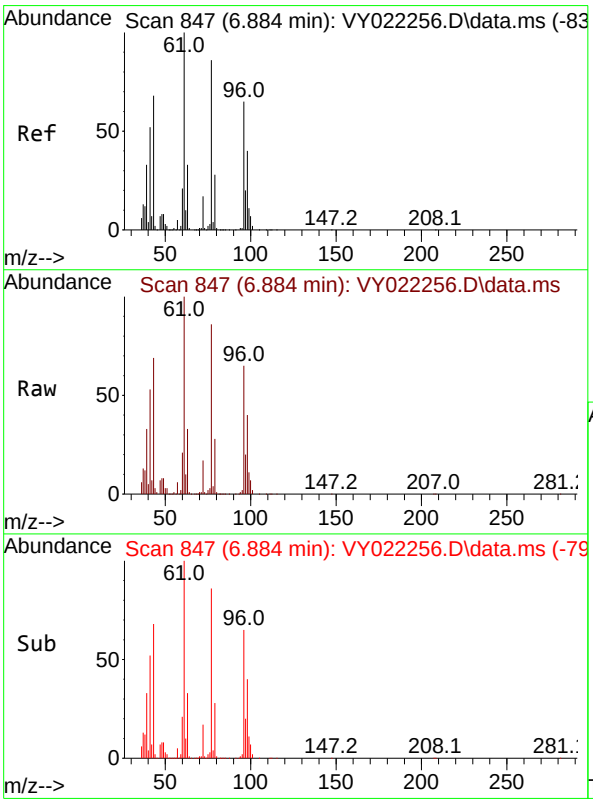
#25
2-Butanone
Concen: 235.291 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 215828

Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.1	33.1

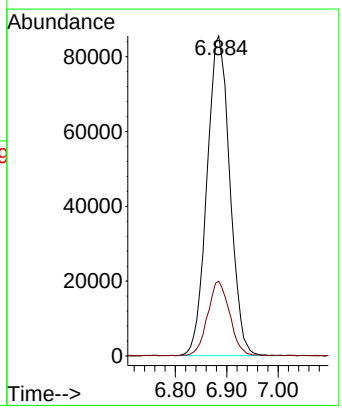


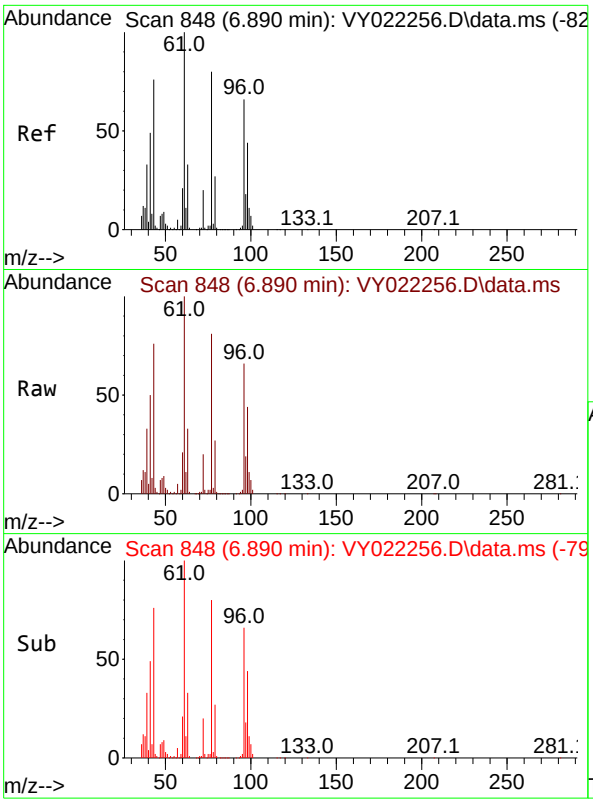


#26
2,2-Dichloropropane
Concen: 50.153 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 77 Resp: 264141

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5



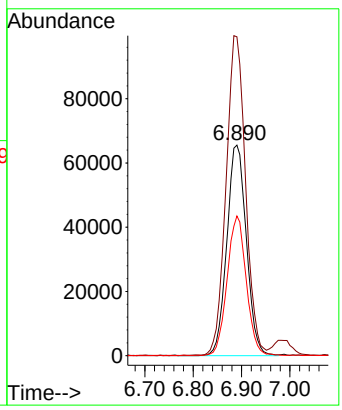


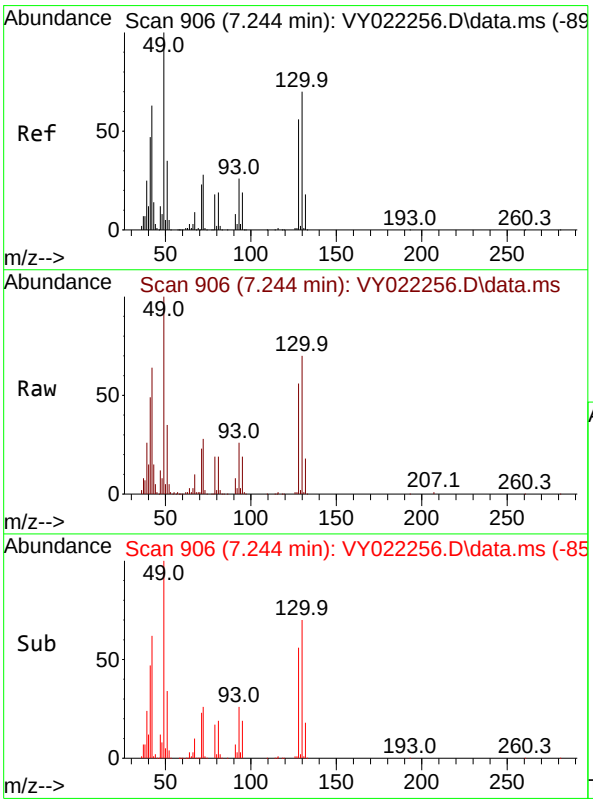
#27
cis-1,2-Dichloroethene
Concen: 50.698 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 184842

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	302.6
98	64.4	0.0	128.8

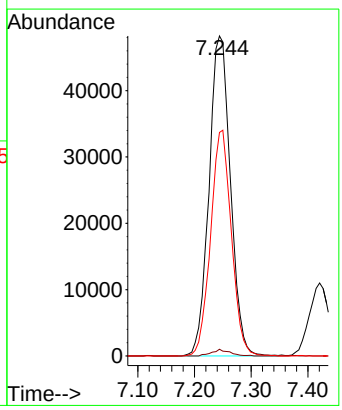


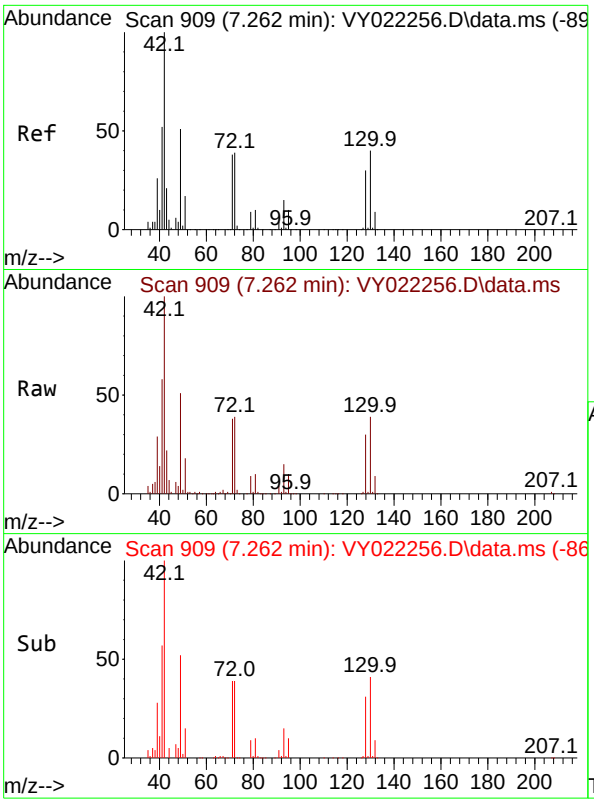


#28
Bromochloromethane
Concen: 50.100 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 49 Resp: 126541

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.4	54.7	82.1



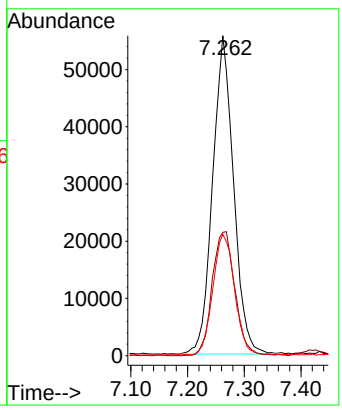


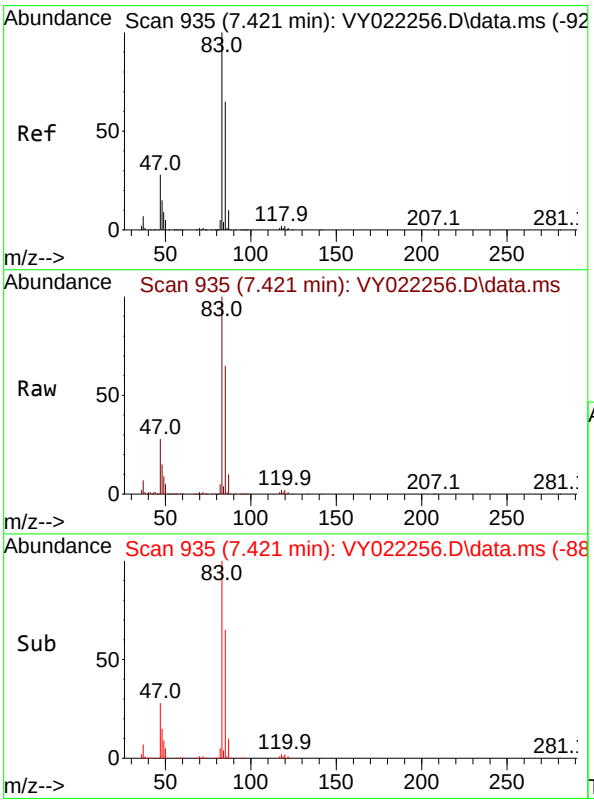
#29
Tetrahydrofuran
Concen: 241.931 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 142772

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.4	31.5	47.3

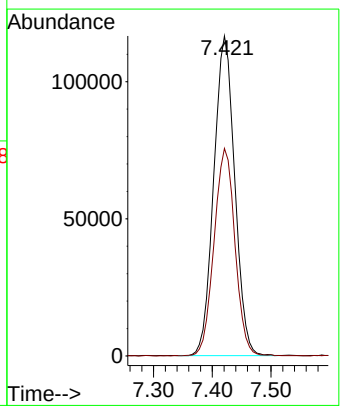


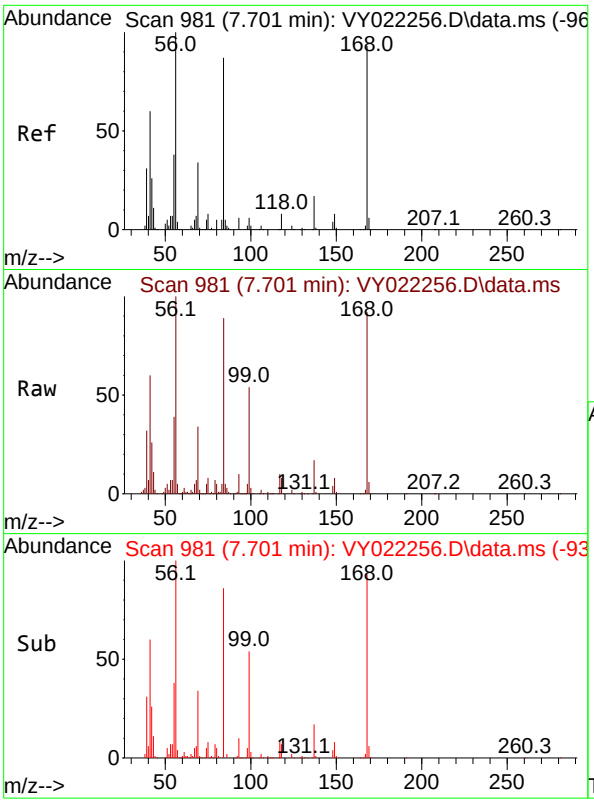


#30
Chloroform
Concen: 50.831 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 288708

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8



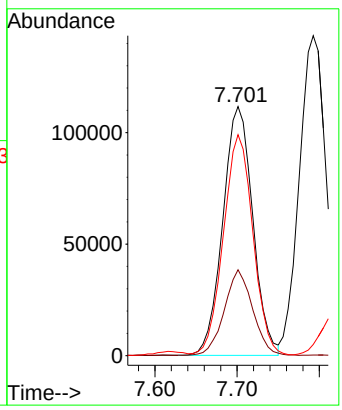


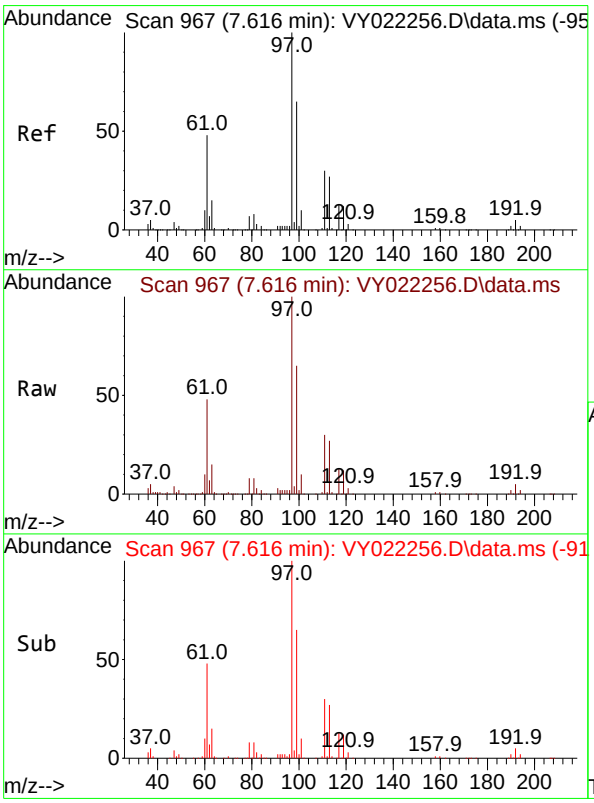
#31
Cyclohexane
Concen: 47.728 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 282375

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.4	41.2
84	87.5	70.0	105.0

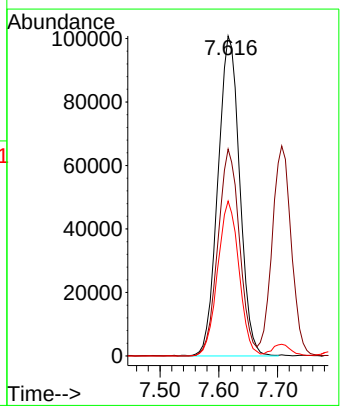


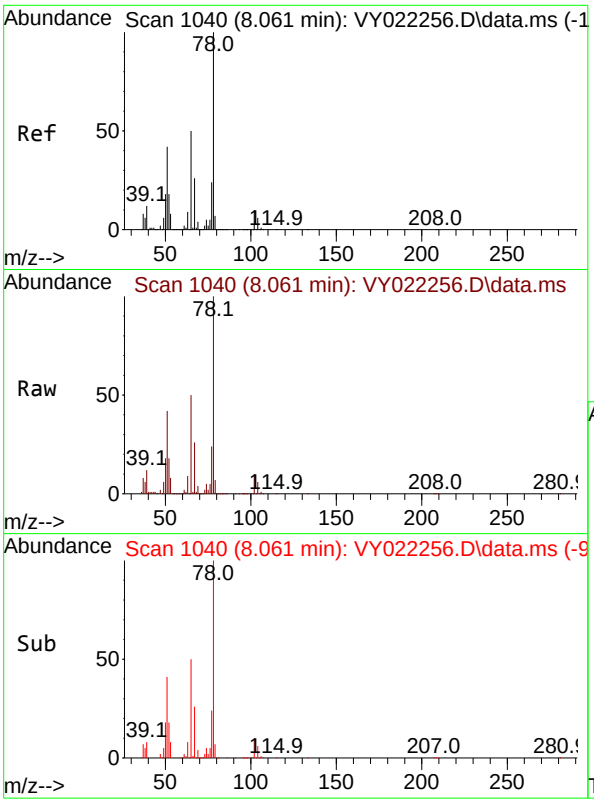


#32
1,1,1-Trichloroethane
Concen: 49.777 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 97 Resp: 259382

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.6	38.1	57.1



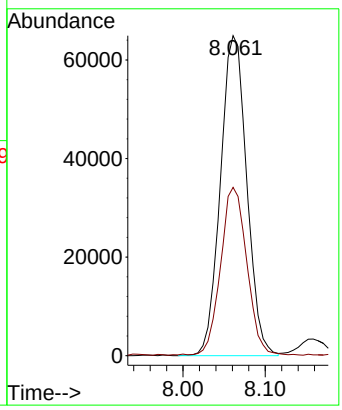


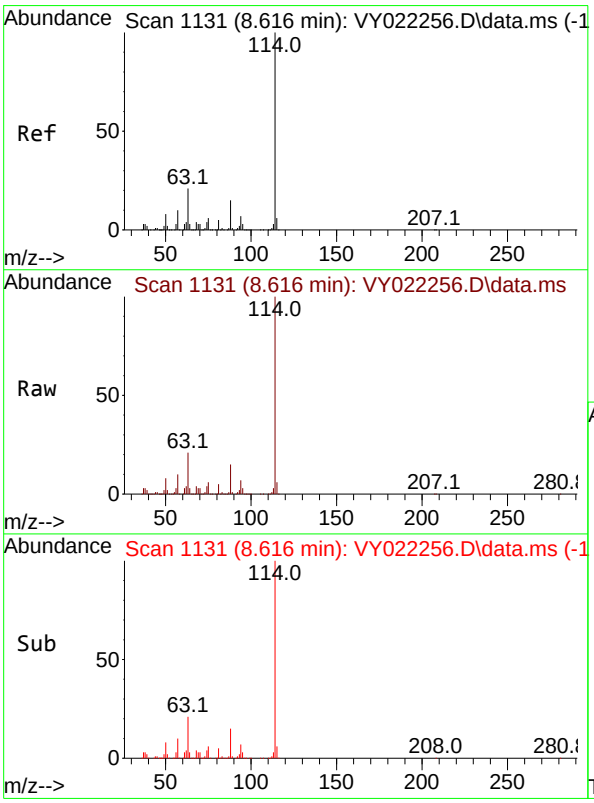
#33
1,2-Dichloroethane-d4
Concen: 49.481 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 144713

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

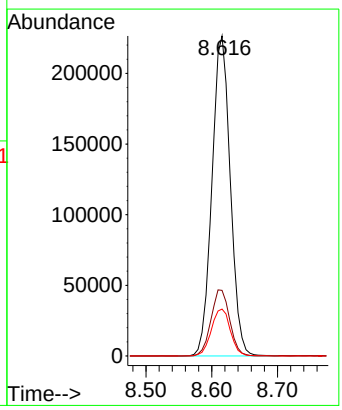


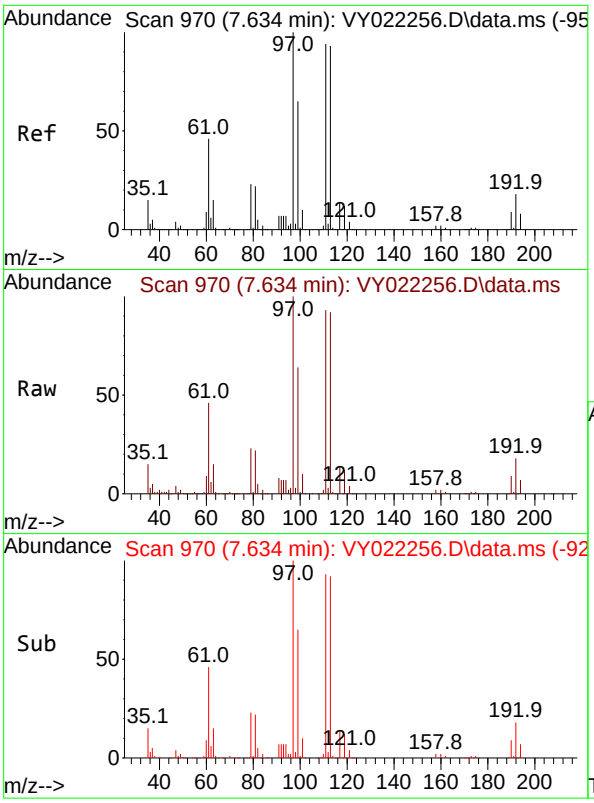


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:114 Resp: 439323

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	14.7	0.0	29.4



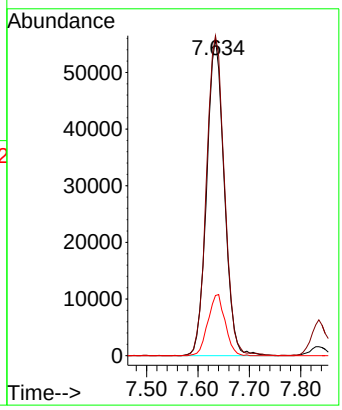


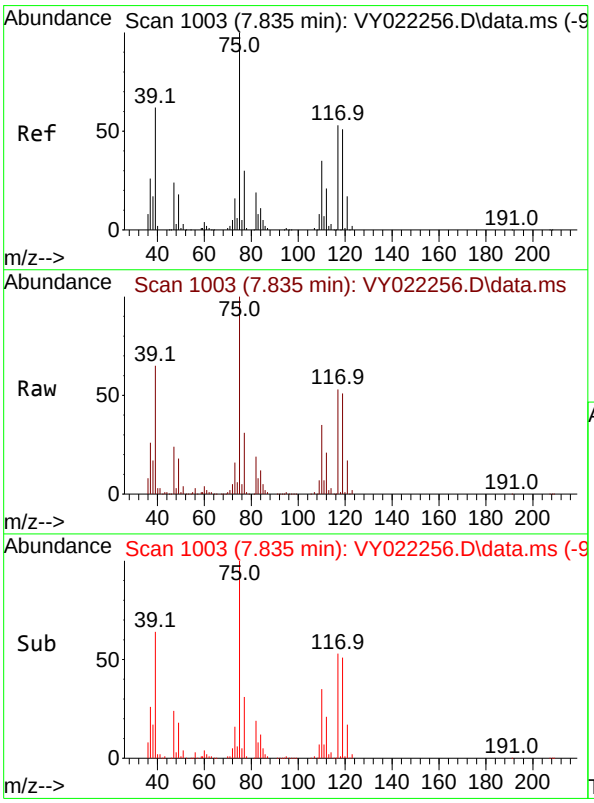
#35
Dibromofluoromethane
Concen: 50.495 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 132404

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	19.0	15.2	22.8

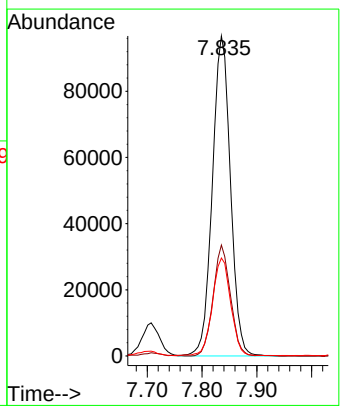


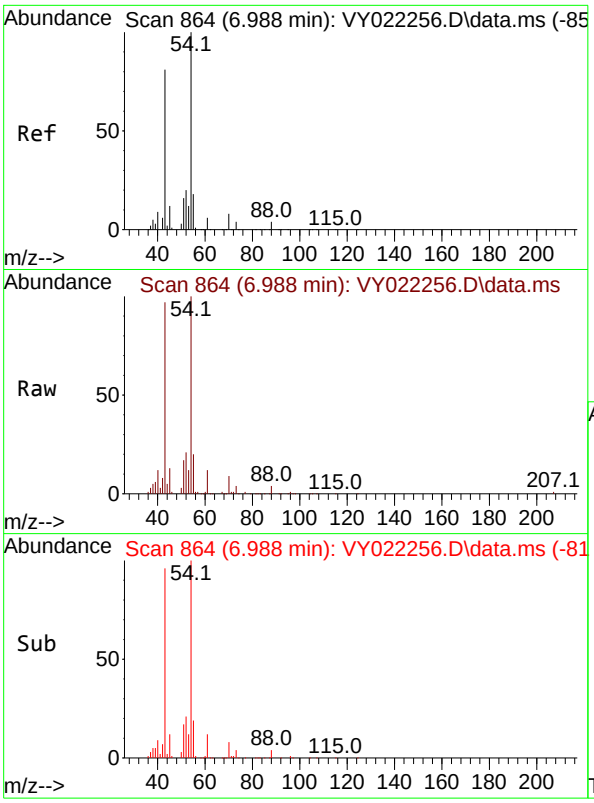


#36
1,1-Dichloropropene
Concen: 51.388 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 221943

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.8	24.6	37.0



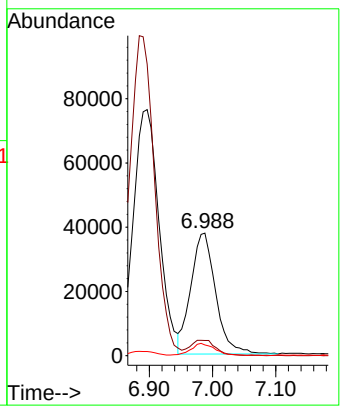


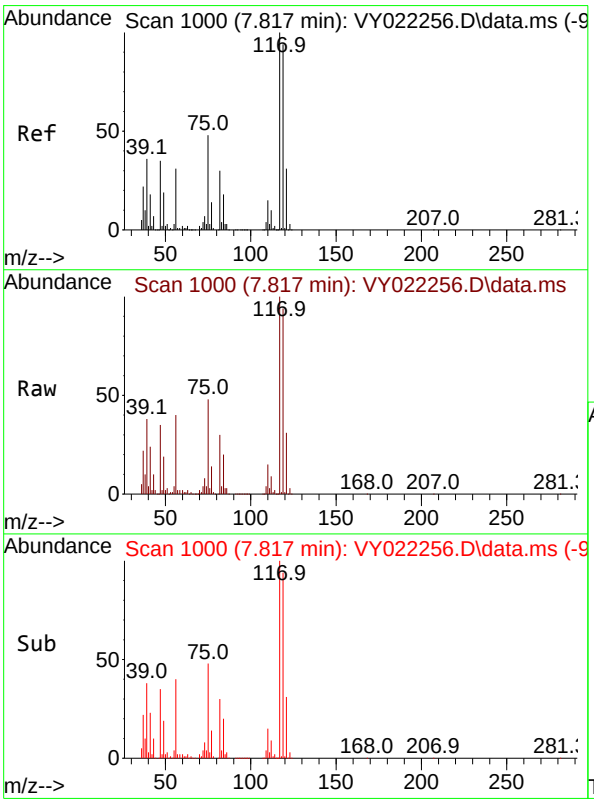
#37
Ethyl Acetate
Concen: 49.529 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 102924

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.5	7.6	11.4

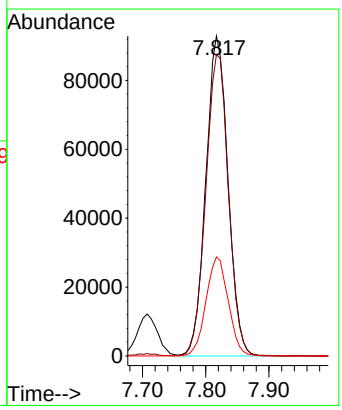


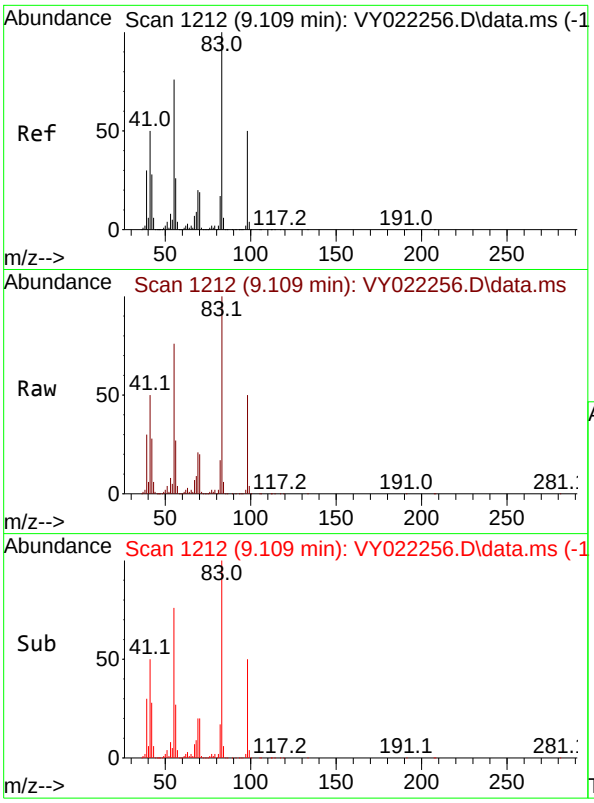


#38
Carbon Tetrachloride
Concen: 50.754 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 226903

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	30.9	24.7	37.1



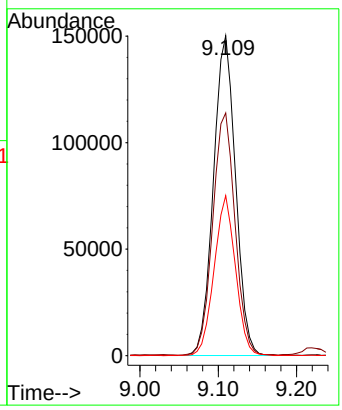


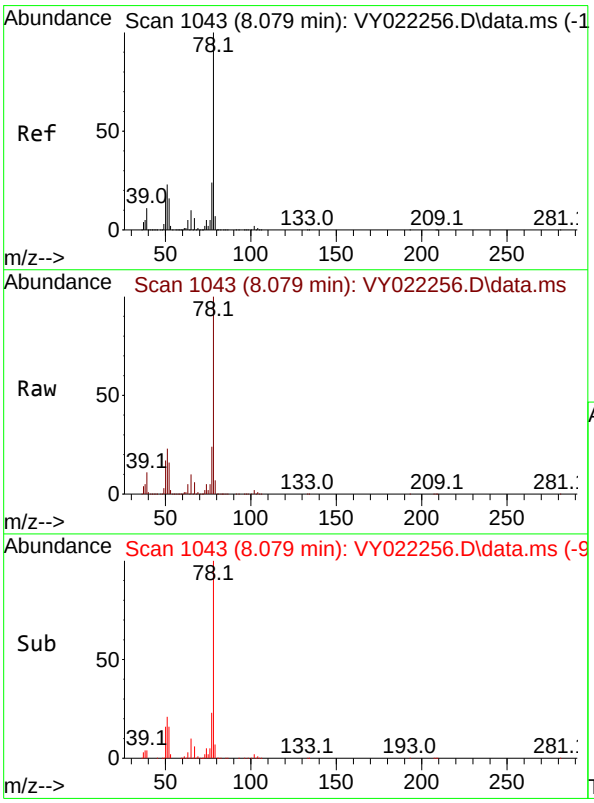
#39
Methylcyclohexane
Concen: 50.726 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 294336

Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.6	90.8
98	50.0	40.0	60.0

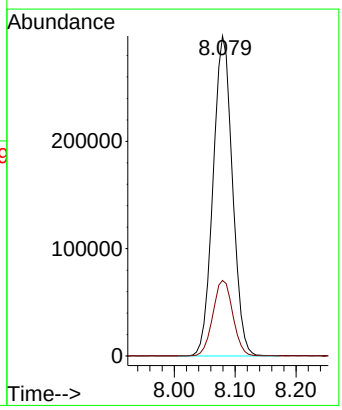


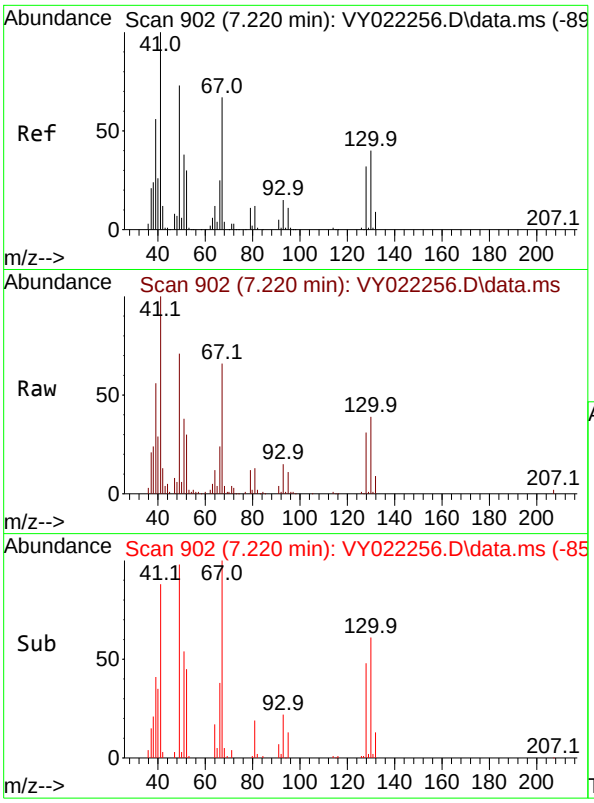


#40
Benzene
Concen: 51.442 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 78 Resp: 658644

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3



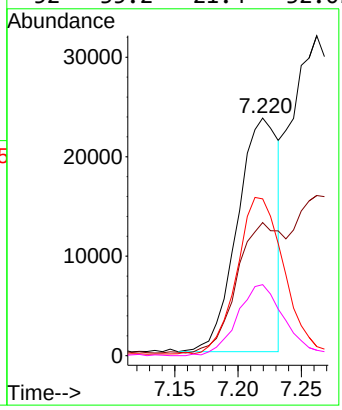


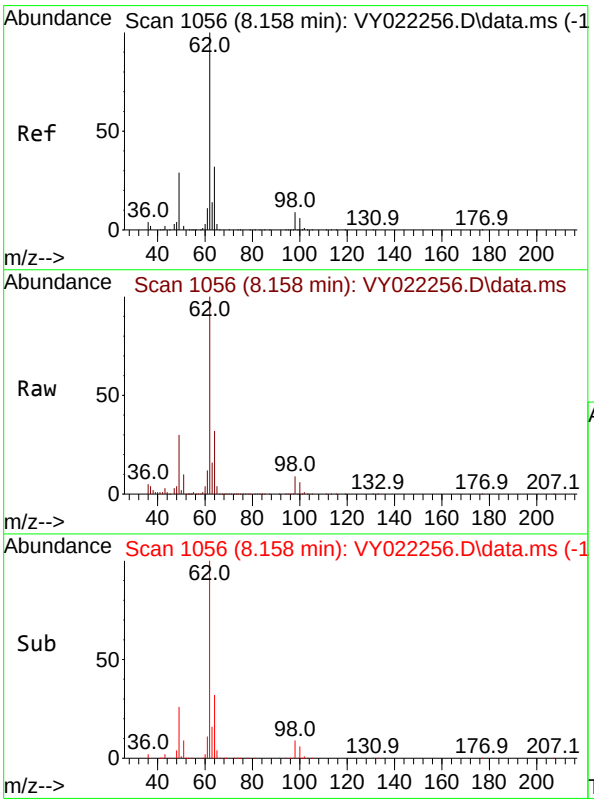
#41
Methacrylonitrile
Concen: 34.592 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 52599

Ion	Ratio	Lower	Upper
41	100		
39	64.4	39.1	58.7#
67	77.6	47.1	70.7#
52	35.2	21.4	32.0#

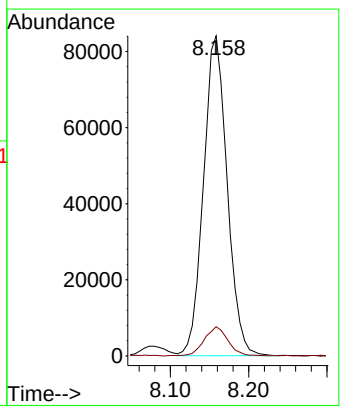


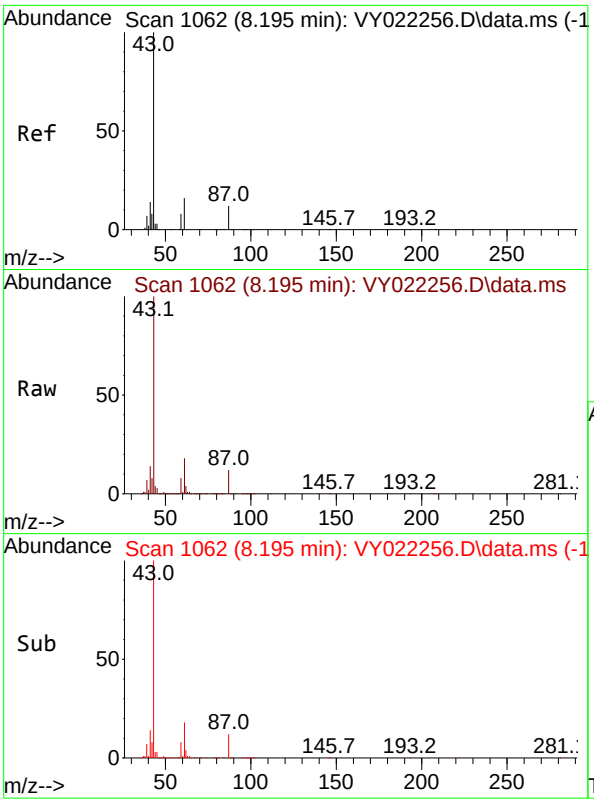


#42
1,2-Dichloroethane
Concen: 50.954 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 176425

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



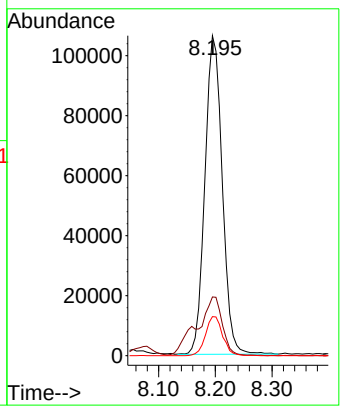


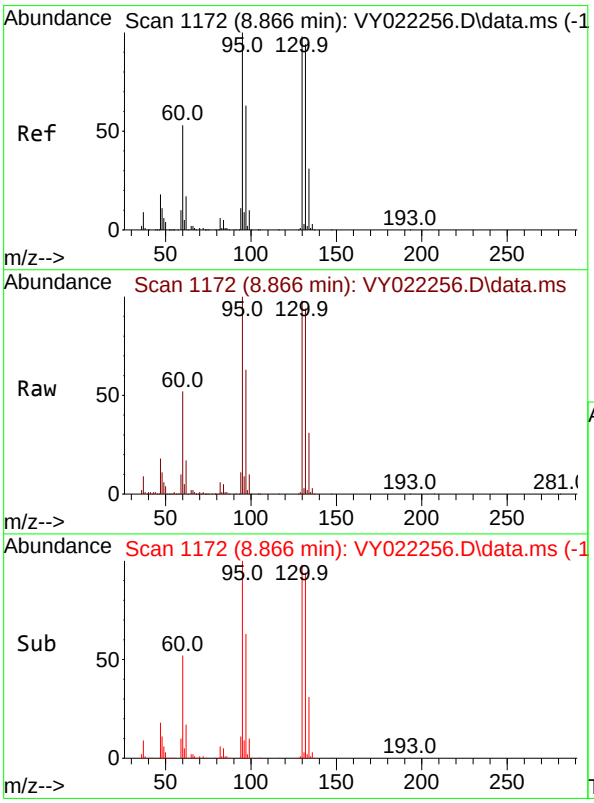
#43
Isopropyl Acetate
Concen: 49.785 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 225628

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.1	9.7	14.5

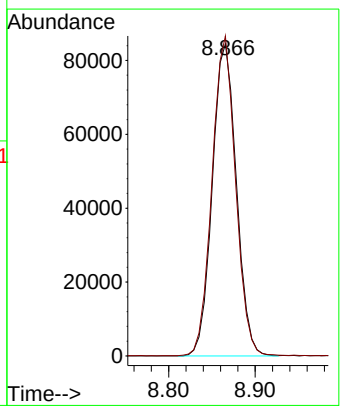


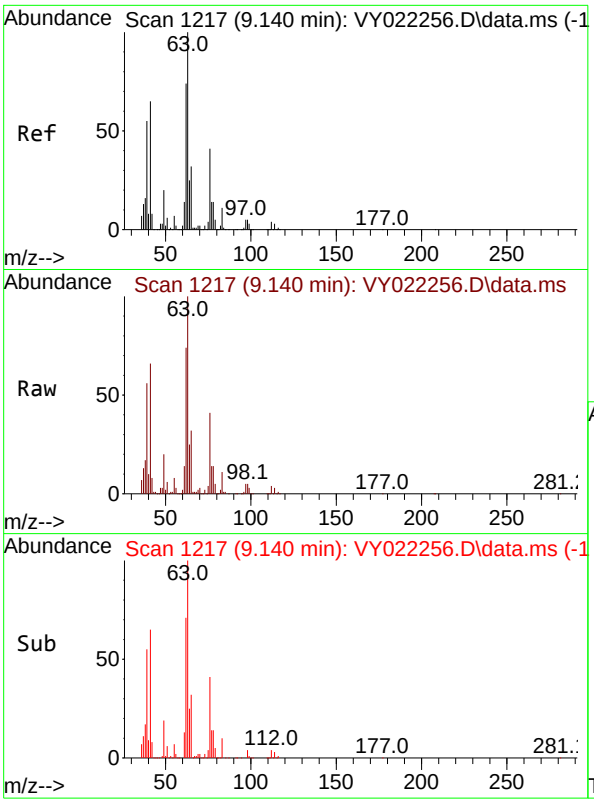


#44
Trichloroethene
Concen: 51.138 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:130 Resp: 162802

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	204.8



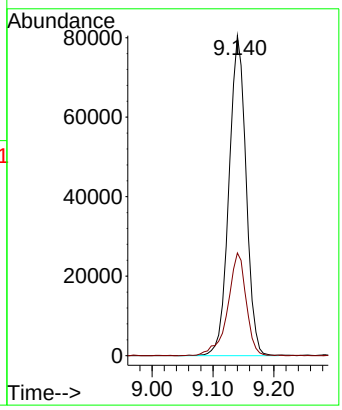


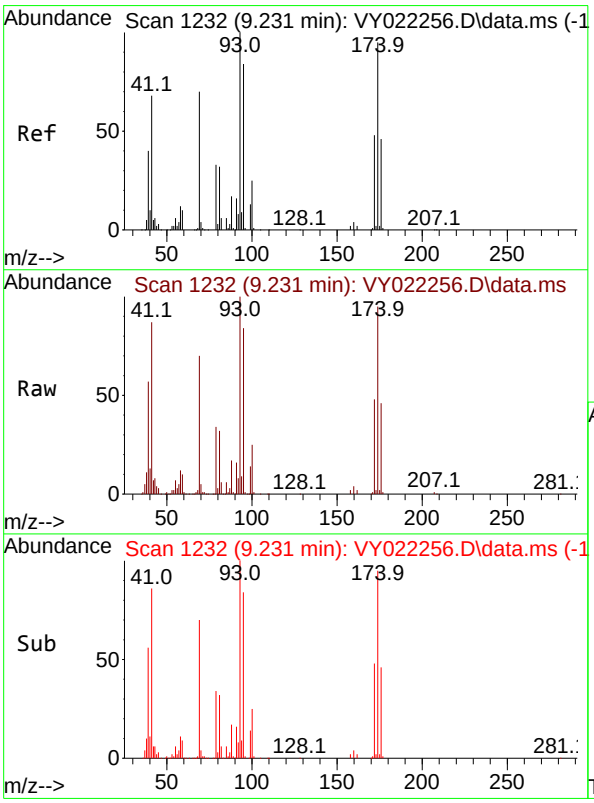
#45
1,2-Dichloropropane
Concen: 50.819 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 156870

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5

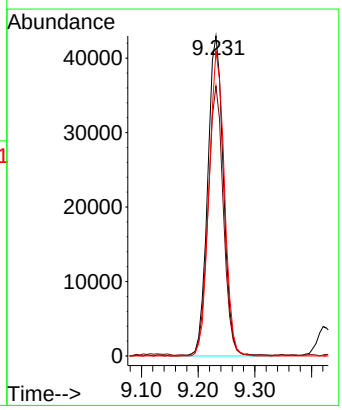


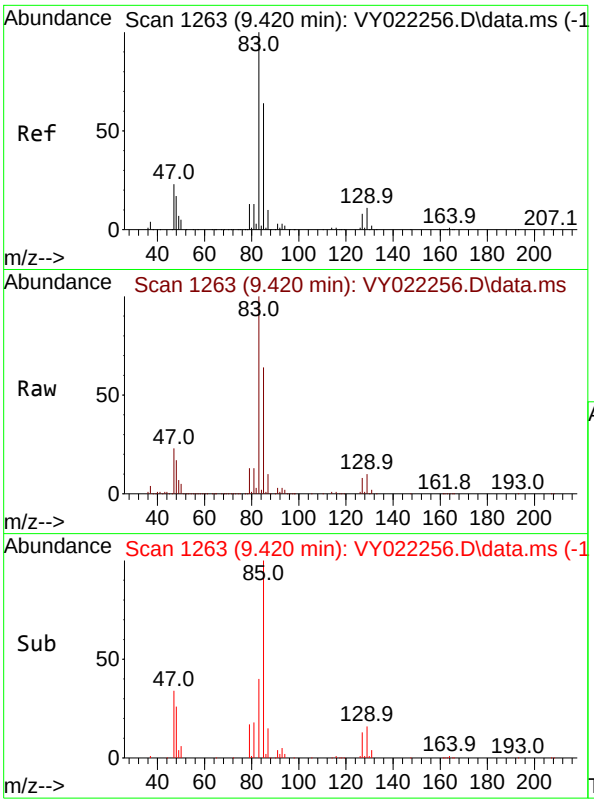


#46
Dibromomethane
Concen: 49.849 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 93 Resp: 82994

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.2	97.8
174	92.9	74.3	111.5



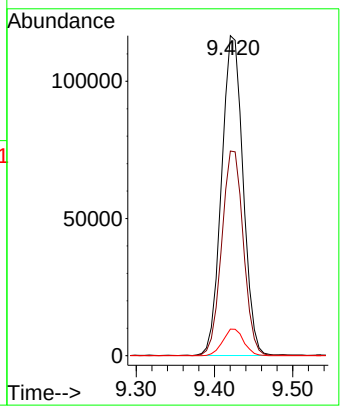


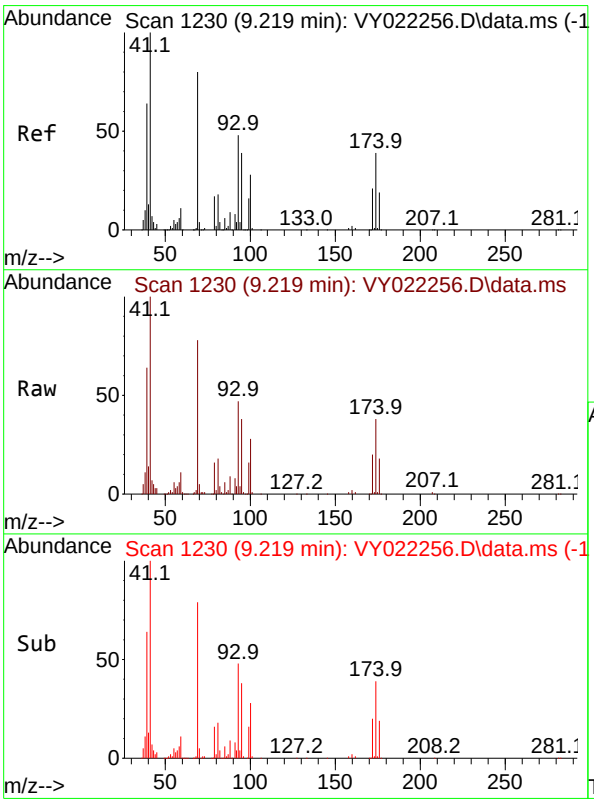
#47
Bromodichloromethane
Concen: 51.435 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 222159

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	6.6	10.0

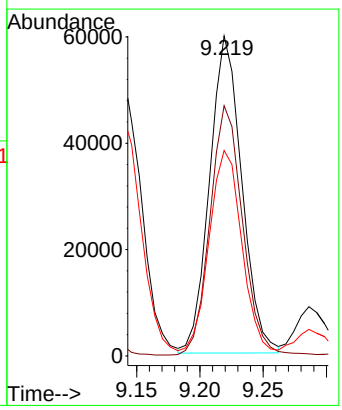


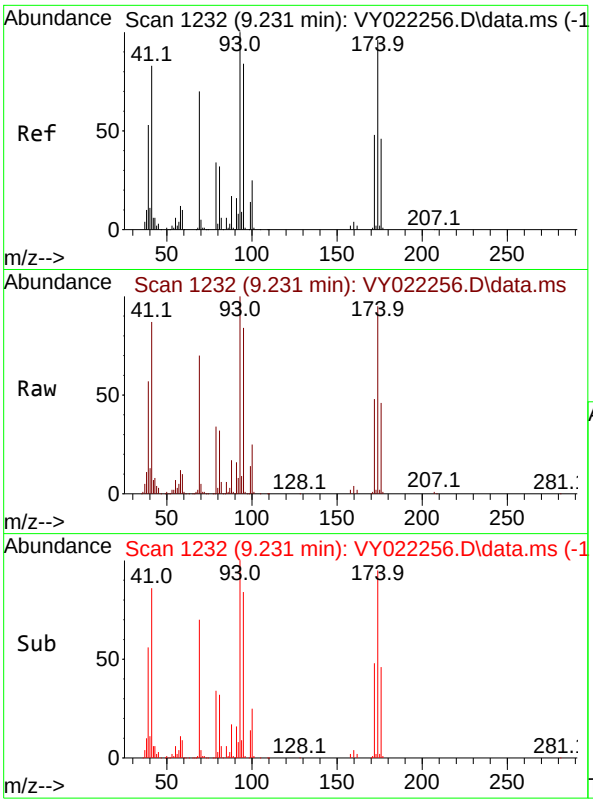


#48
Methyl methacrylate
Concen: 49.726 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 105390

Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.5	95.3
39	63.5	50.8	76.2



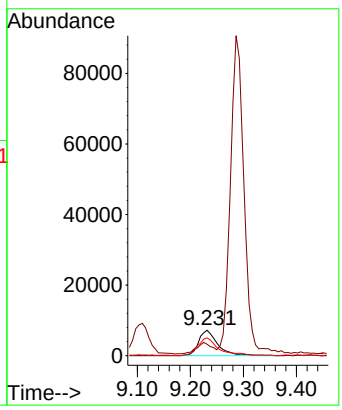


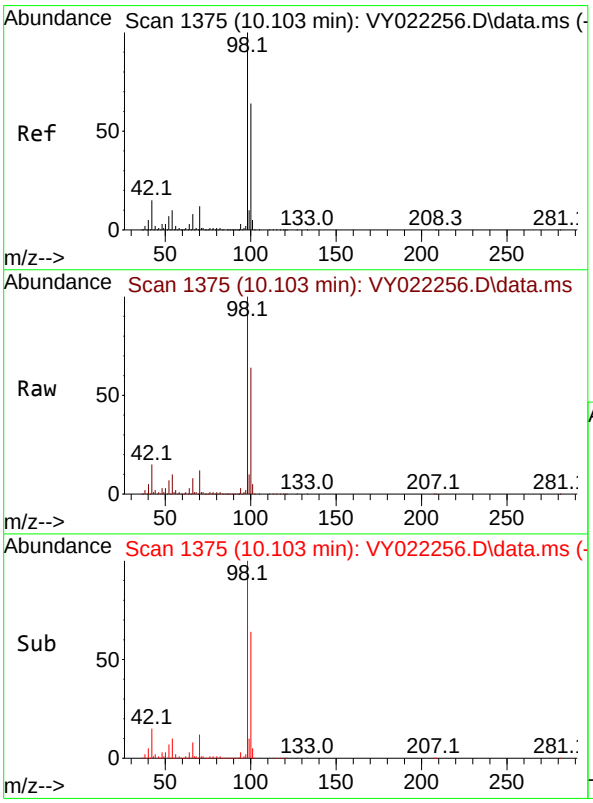
#49
1,4-Dioxane
Concen: 958.446 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 18027

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	76.8	61.4	92.2

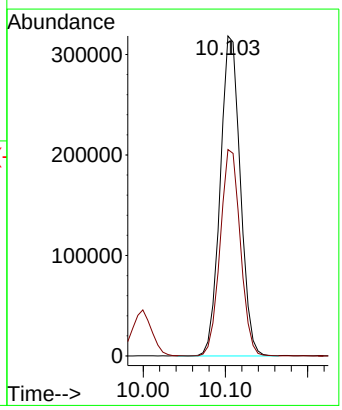


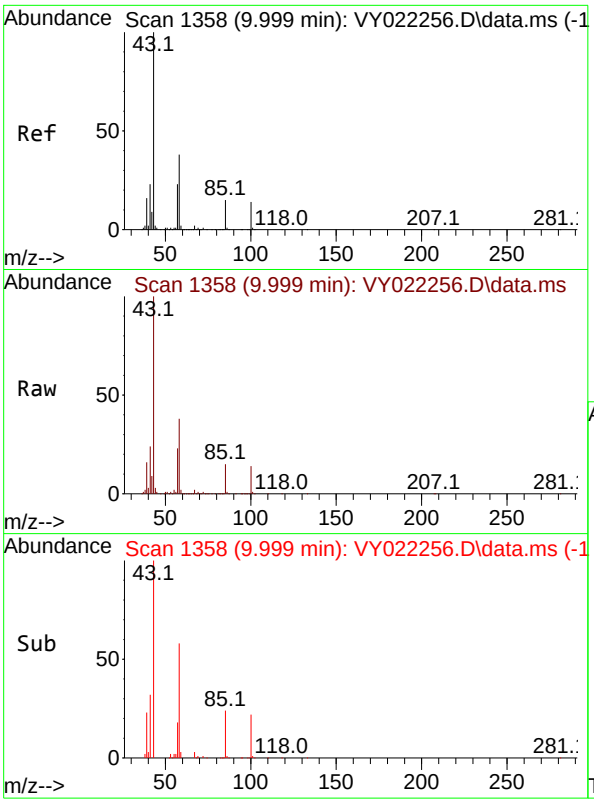


#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 98 Resp: 540296

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8



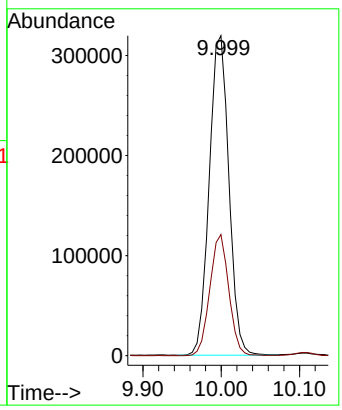


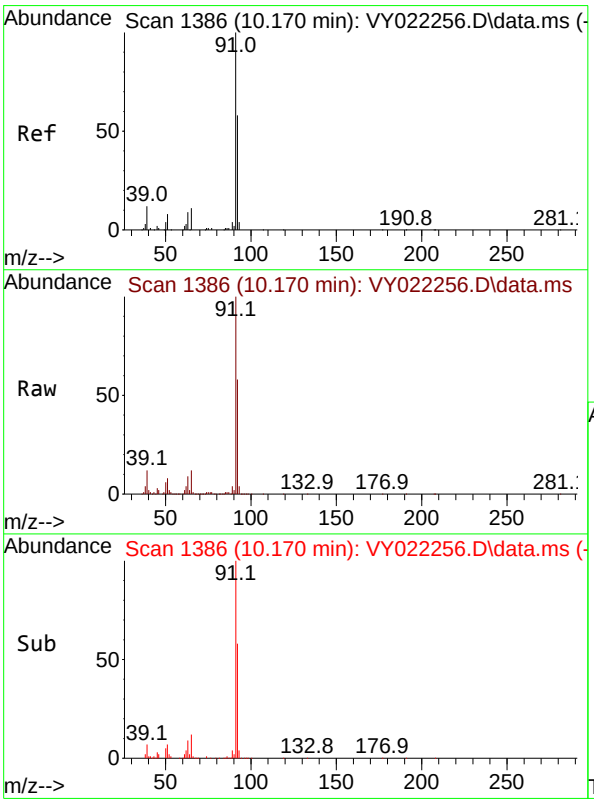
#51
4-Methyl-2-Pentanone
Concen: 250.085 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 556123

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.2

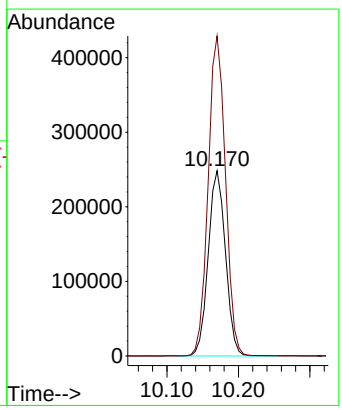


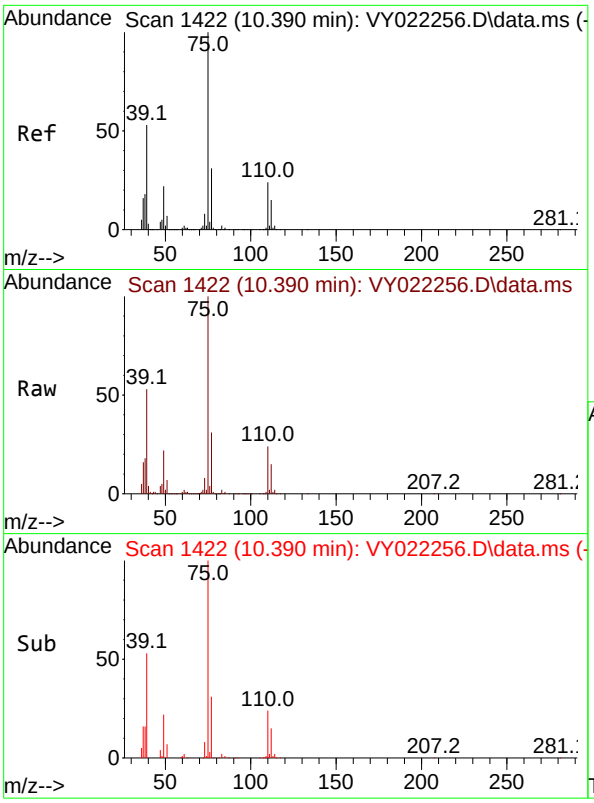


#52
Toluene
Concen: 51.134 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 92 Resp: 414584

Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.1	208.7



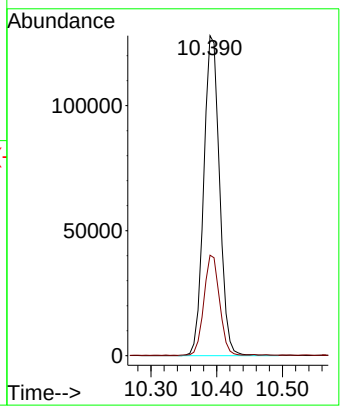


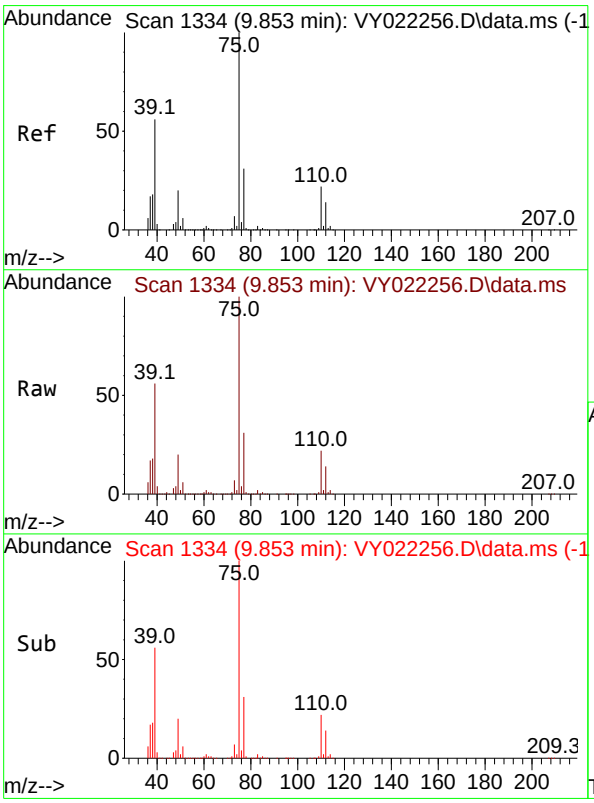
#53
t-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 213993

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

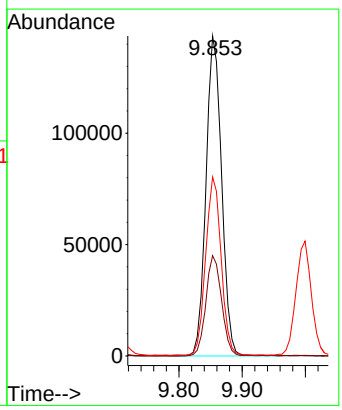


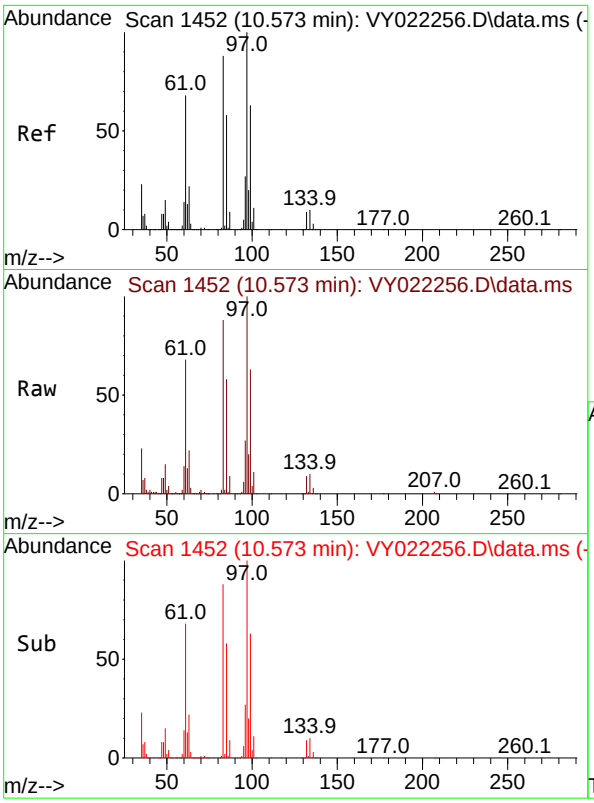


#54
cis-1,3-Dichloropropene
Concen: 51.143 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 246990

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	55.6	44.5	66.7



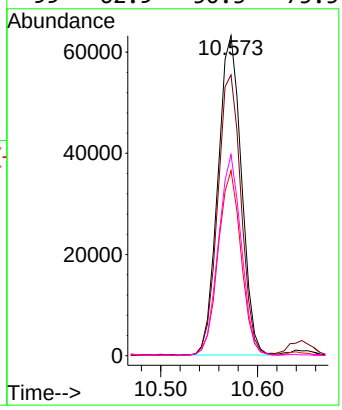


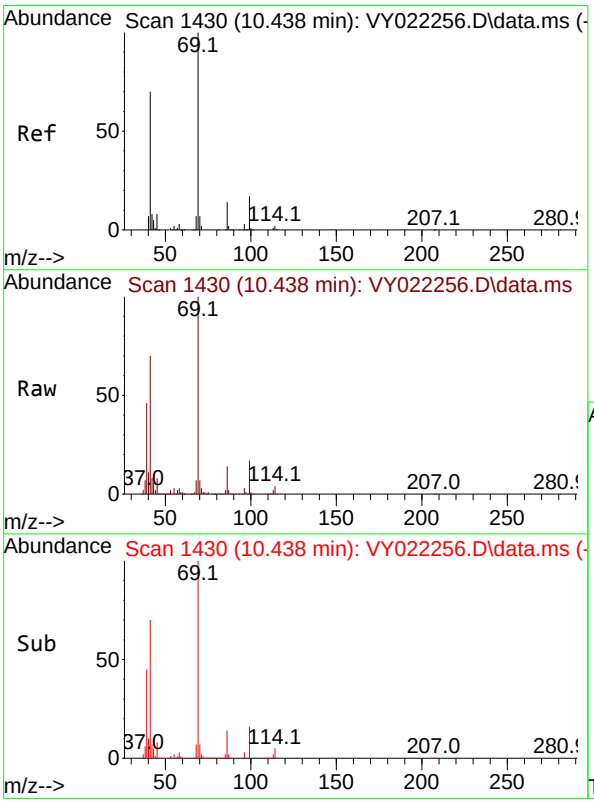
#55
1,1,2-Trichloroethane
Concen: 50.036 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 106676

Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.3	105.5
85	57.8	46.2	69.4
99	62.9	50.3	75.5

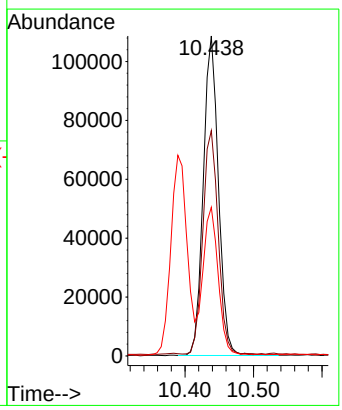


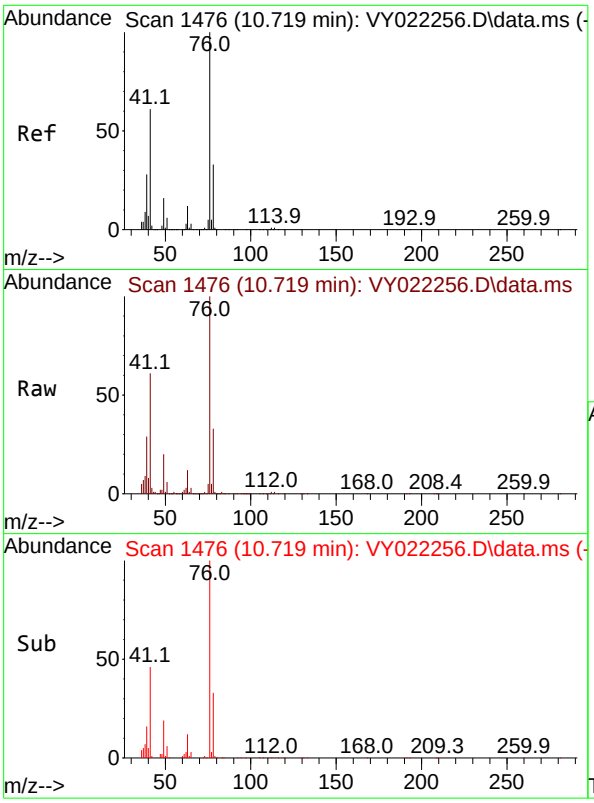


#56
Ethyl methacrylate
Concen: 50.364 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 69 Resp: 167259

Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.5	84.7
39	46.4	37.1	55.7



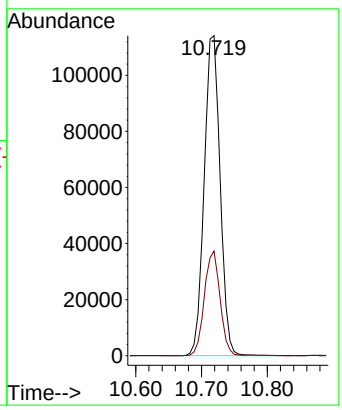


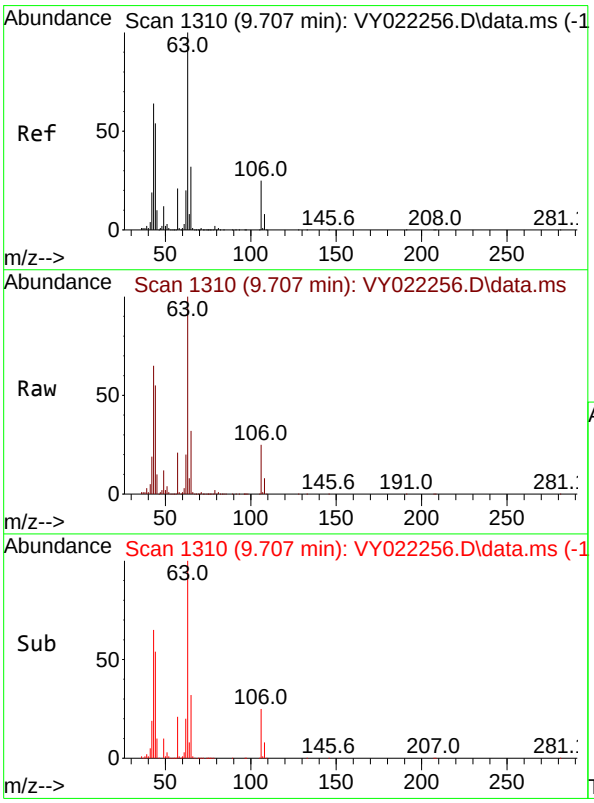
#57
1,3-Dichloropropane
Concen: 50.759 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 192275

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

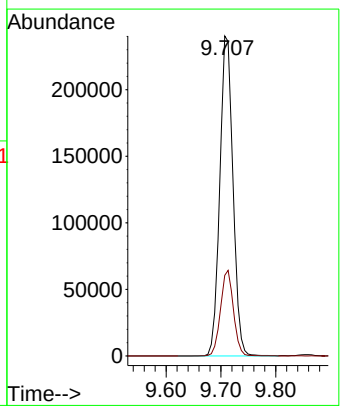


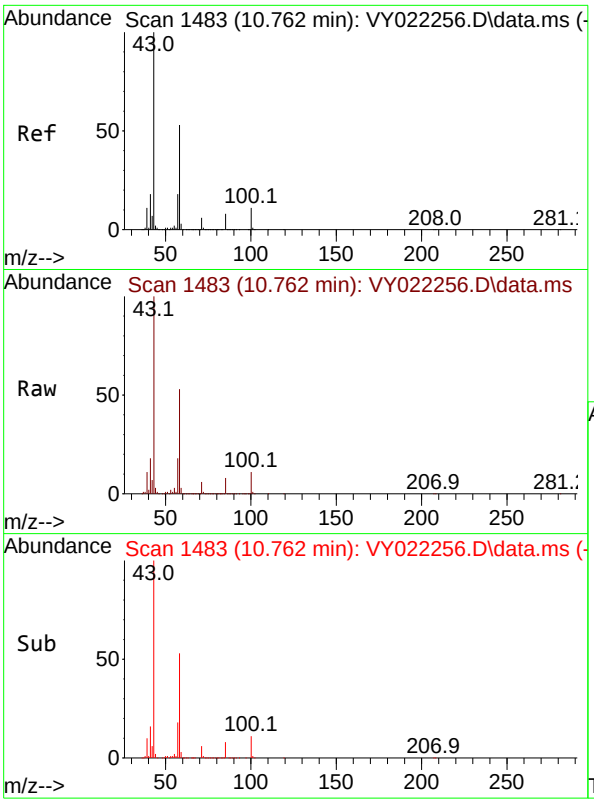


#58
2-Chloroethyl Vinyl ether
Concen: 270.408 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 403074

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.0	31.4



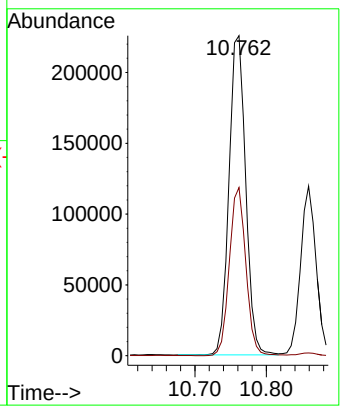


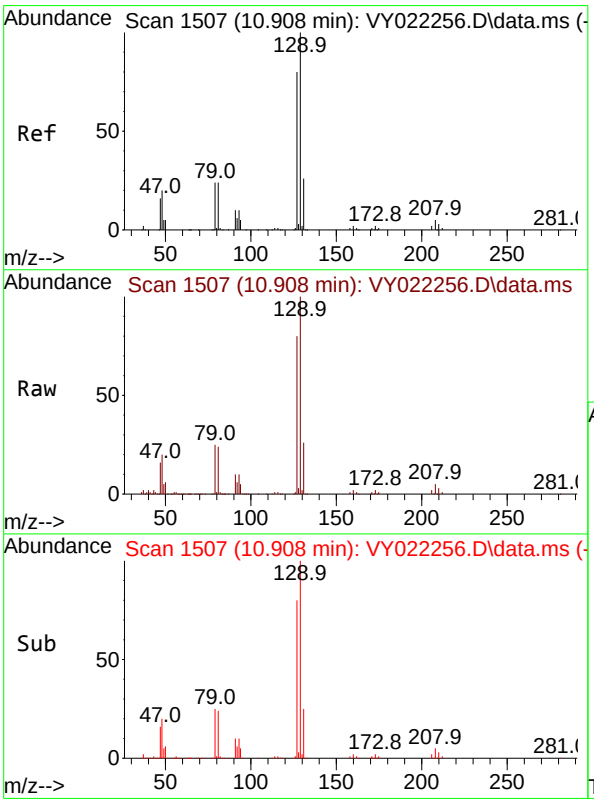
#59
2-Hexanone
Concen: 244.881 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 365111

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3

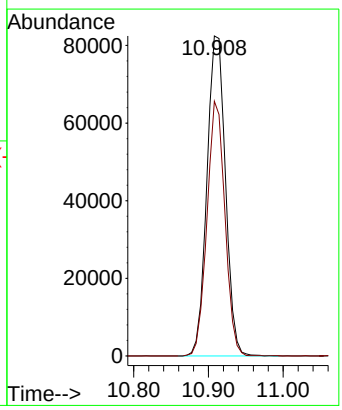


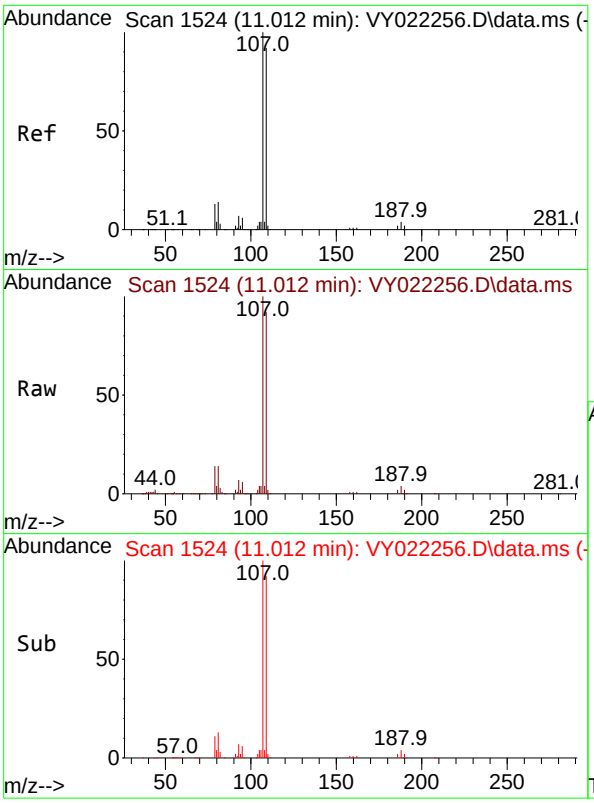


#60
Dibromochloromethane
Concen: 51.278 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:129 Resp: 141896

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7



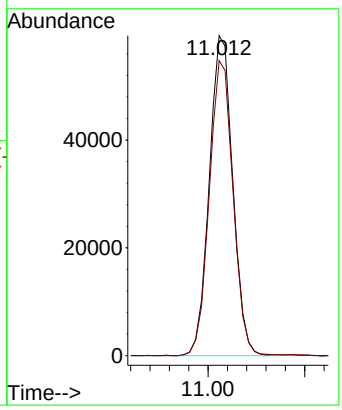


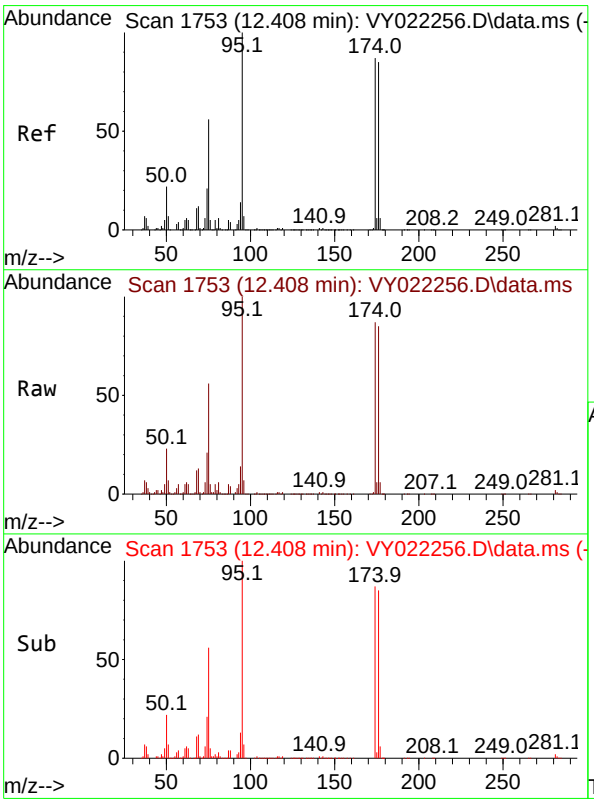
#61
1,2-Dibromoethane
Concen: 50.236 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 99822

Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8

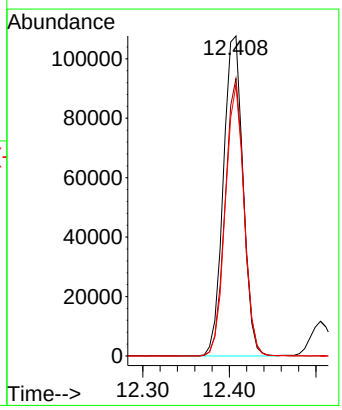


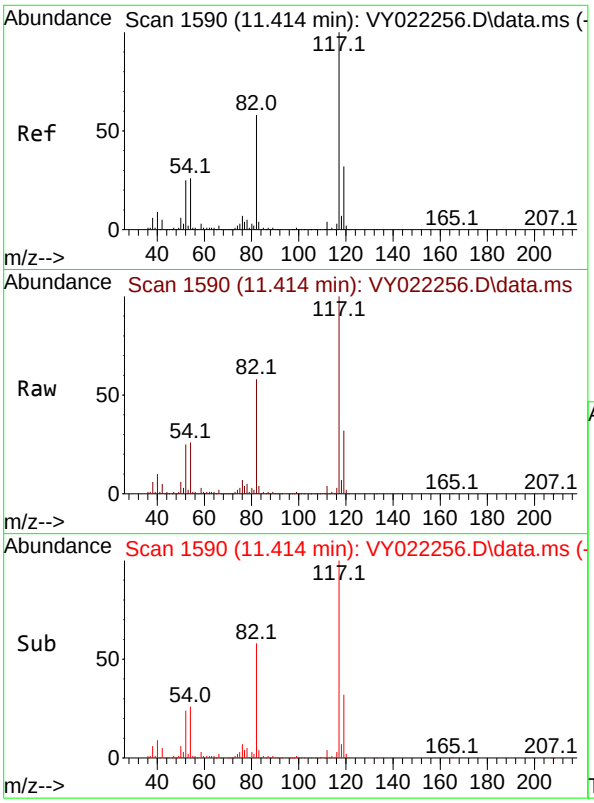


#62
4-Bromofluorobenzene
Concen: 49.891 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 95 Resp: 169827

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.8
176	80.4	0.0	160.8



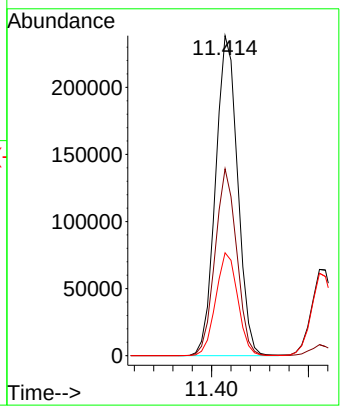


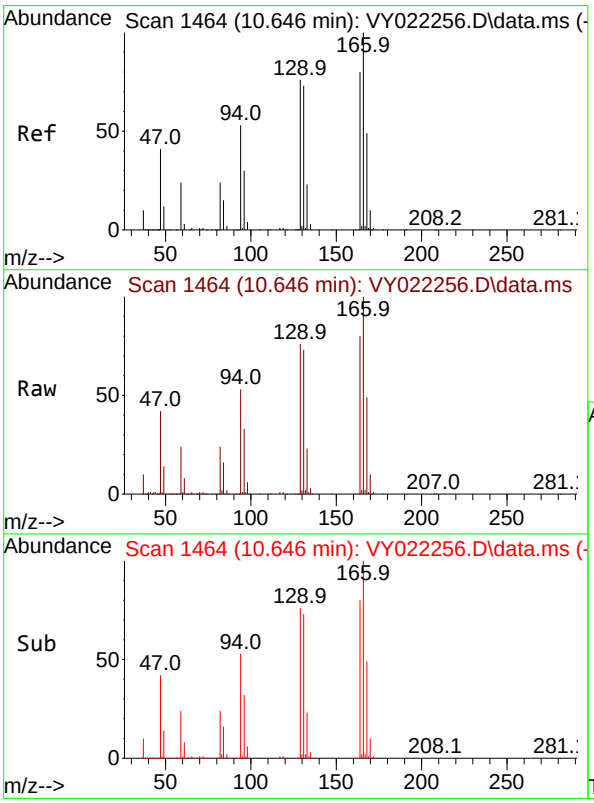
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 377571

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.6	70.0
119	32.2	25.8	38.6

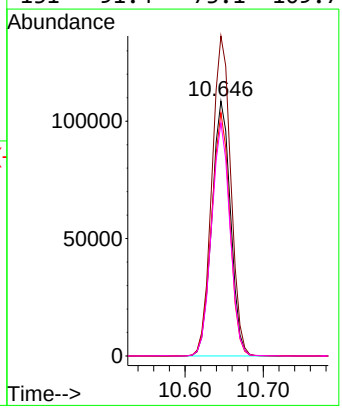


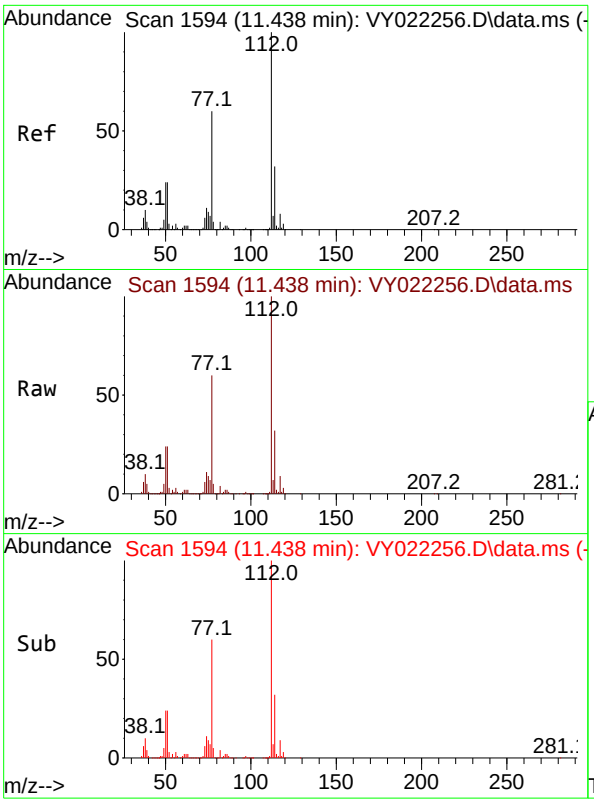


#64
Tetrachloroethene
Concen: 51.249 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:164 Resp: 178854

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	95.5	76.4	114.6
131	91.4	73.1	109.7



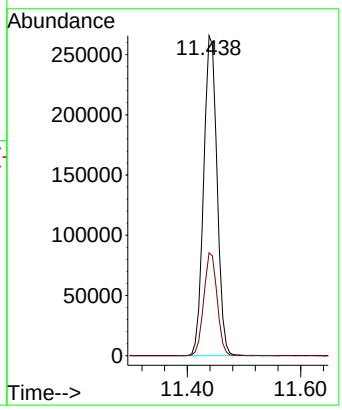


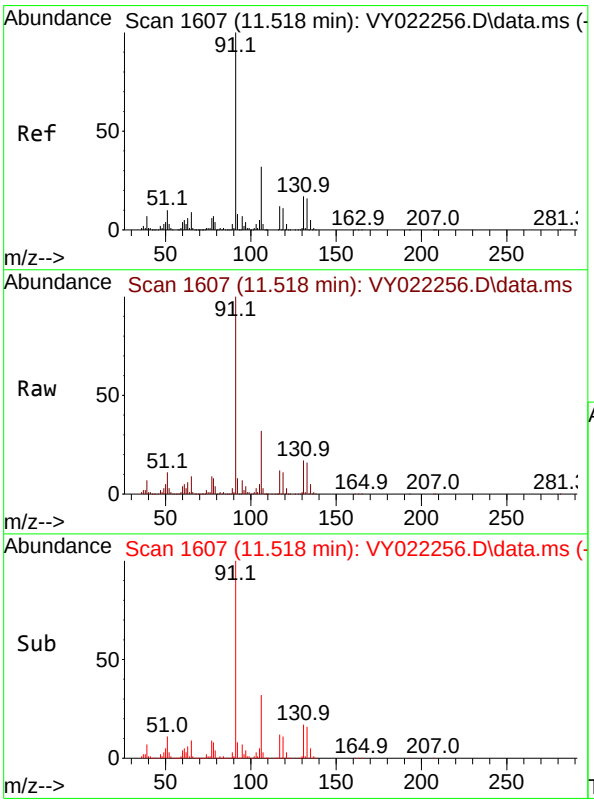
#65
Chlorobenzene
Concen: 51.169 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 435874

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

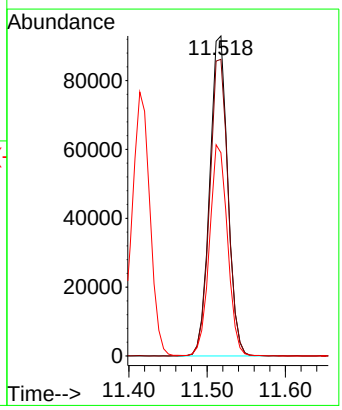


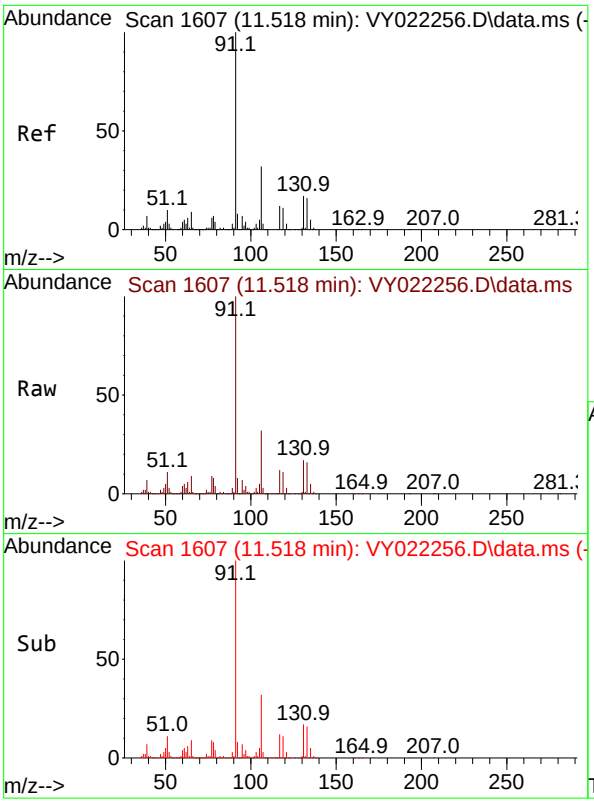


#66
1,1,1,2-Tetrachloroethane
Concen: 50.811 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:131 Resp: 148798

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	66.1	33.1	99.2



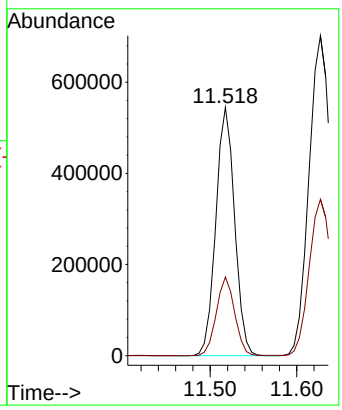


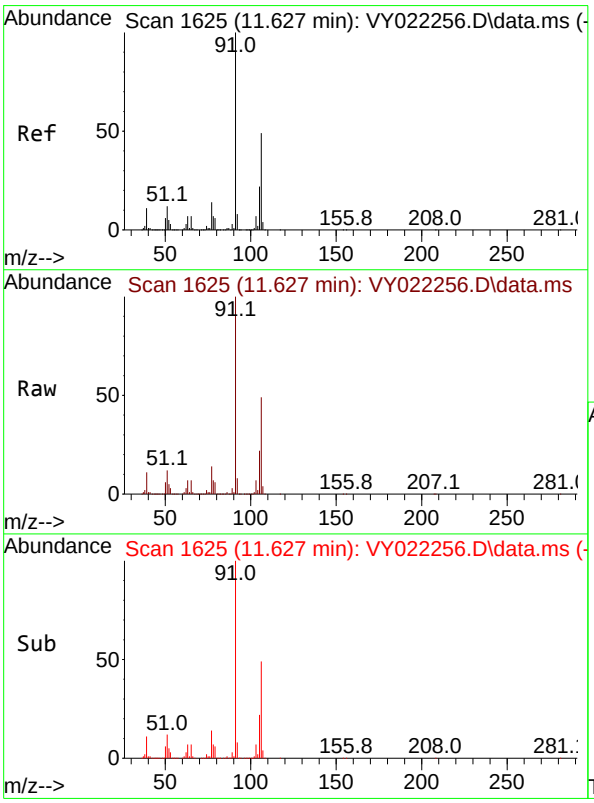
#67
Ethyl Benzene
Concen: 51.473 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 821168

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.0

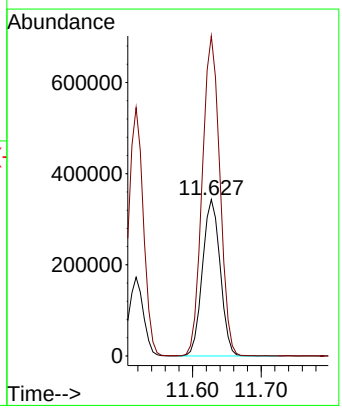


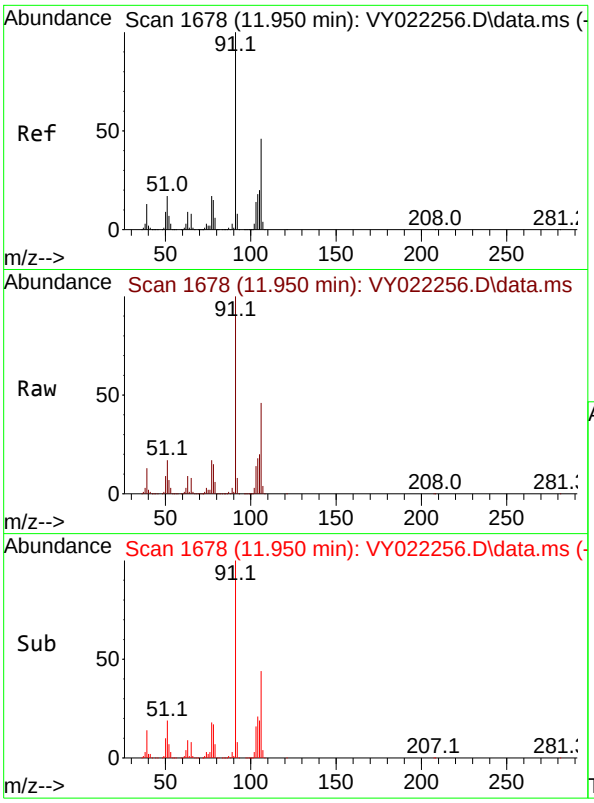


#68
m/p-Xylenes
Concen: 102.746 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:106 Resp: 617646

Ion	Ratio	Lower	Upper
106	100		
91	203.7	163.0	244.4



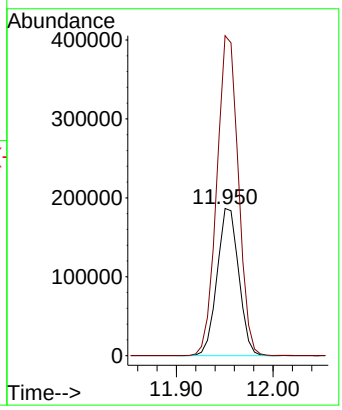


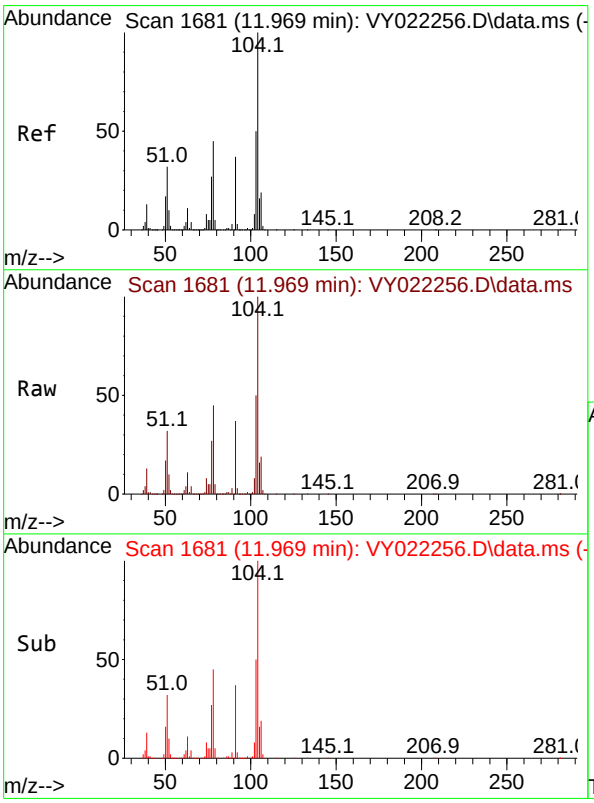
#69
o-Xylene
Concen: 50.971 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 289897

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.3	324.8

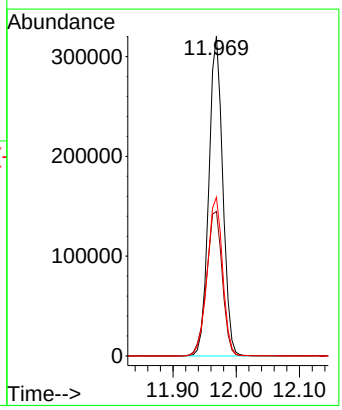


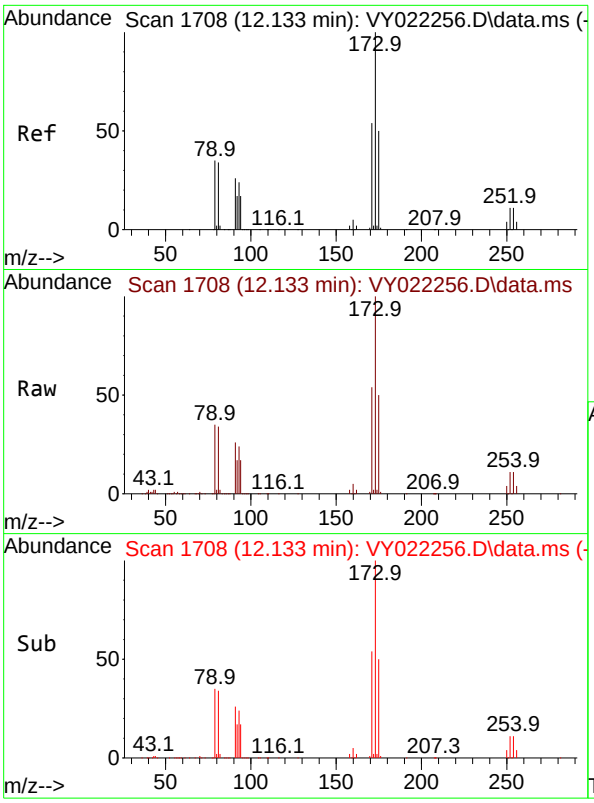


#70
Styrene
Concen: 51.260 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:104 Resp: 491792

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.9	61.3
103	54.6	43.7	65.5



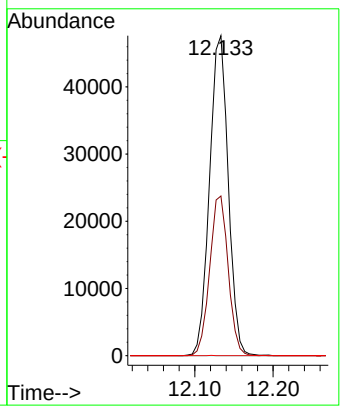


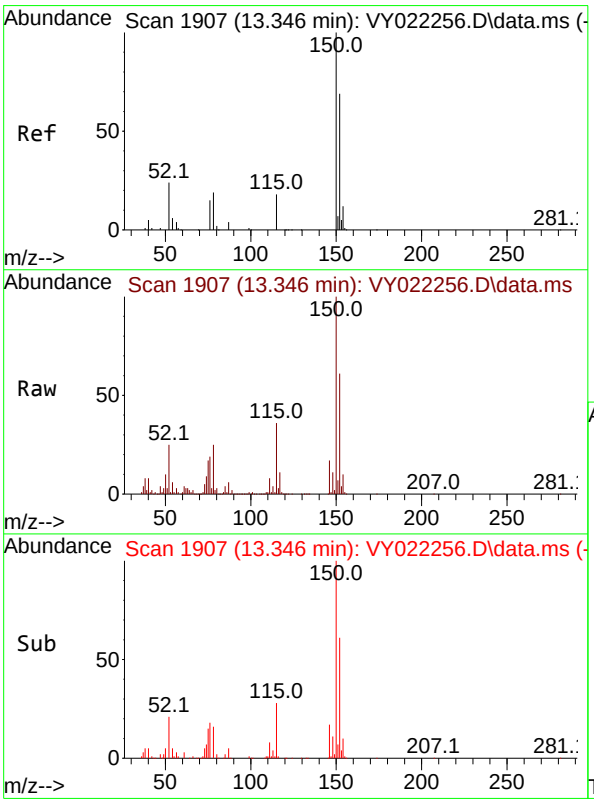
#71
Bromoform
Concen: 49.849 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 78794

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.0	0.0	0.0#

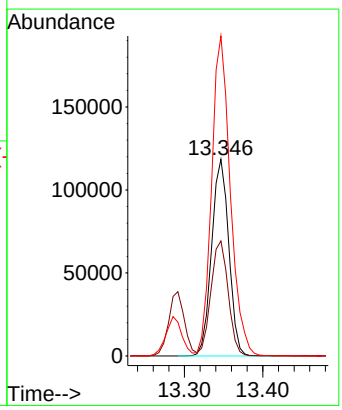


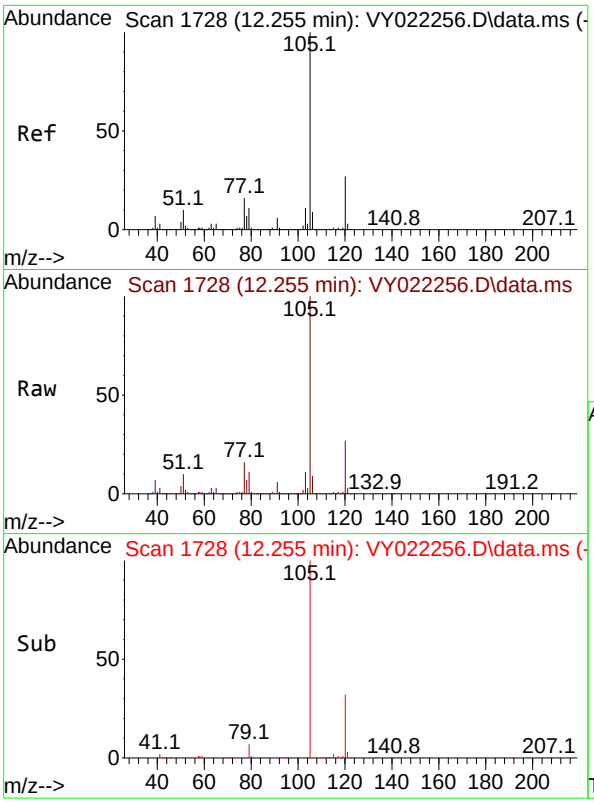


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:152 Resp: 180358

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	176.9	0.0	353.8



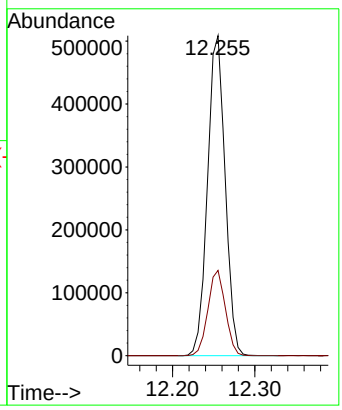


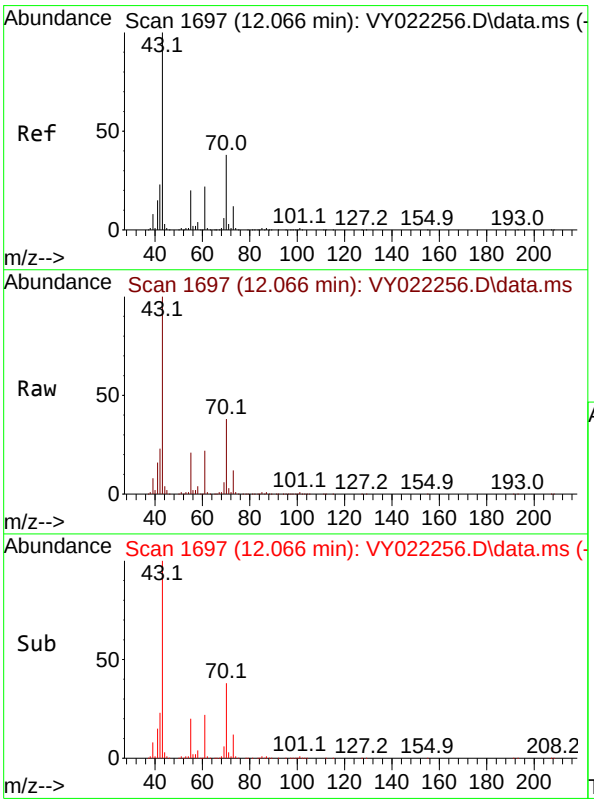
#73
Isopropylbenzene
Concen: 50.657 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 756905

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

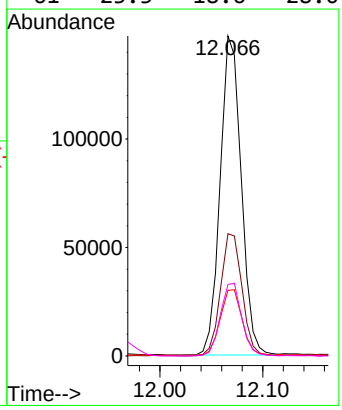


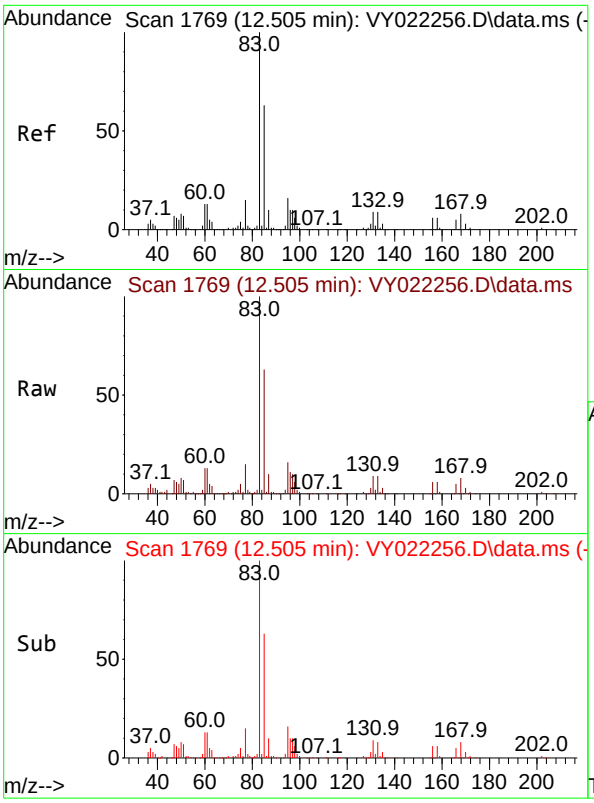


#74
N-amyl acetate
Concen: 48.930 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 209097

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.4	47.0
55	21.3	17.0	25.6
61	23.3	18.6	28.0



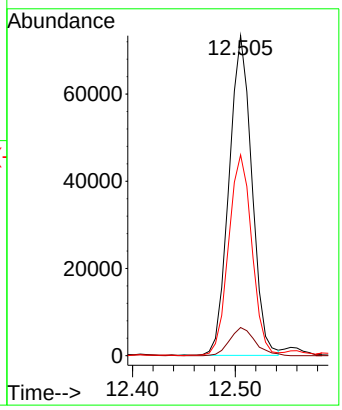


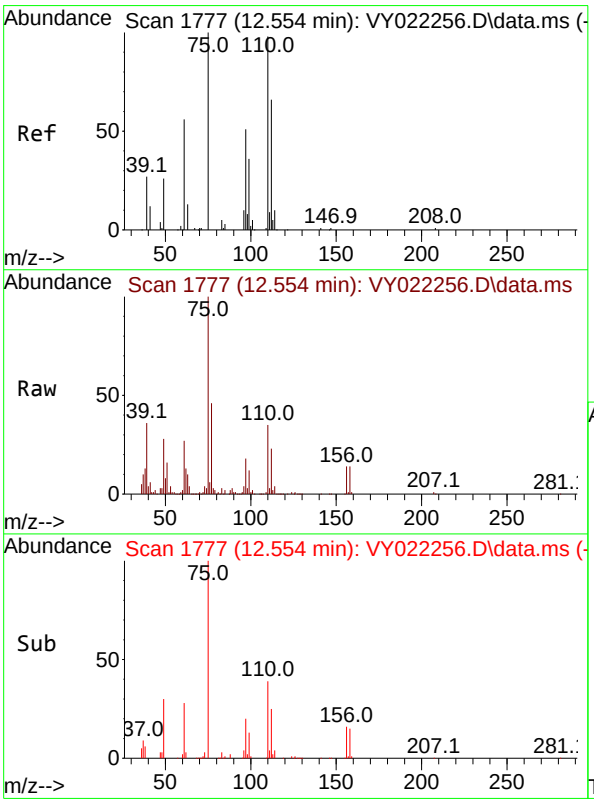
#75
1,1,2,2-Tetrachloroethane
Concen: 49.277 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 113234

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0

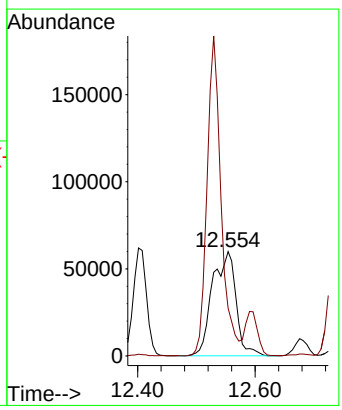


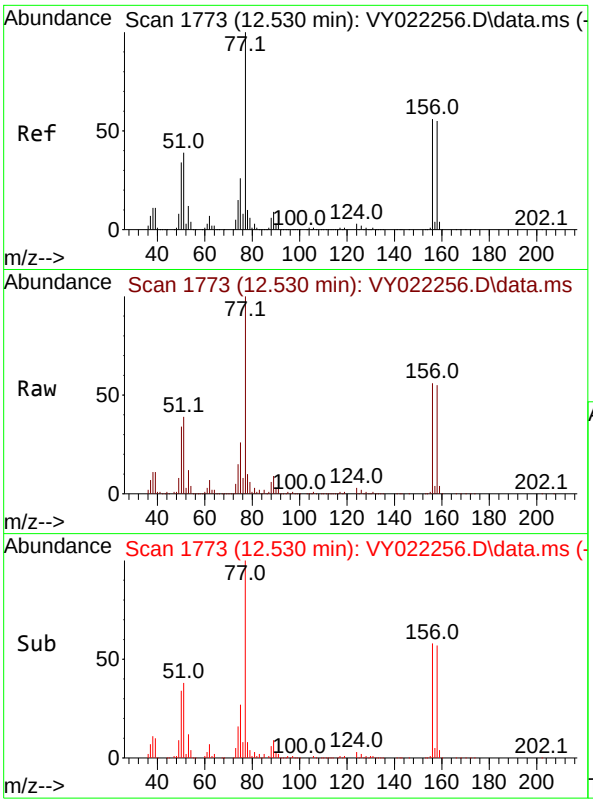


#76
1,2,3-Trichloropropane
Concen: 52.556 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 167060

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



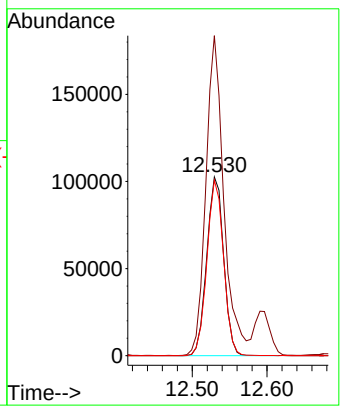


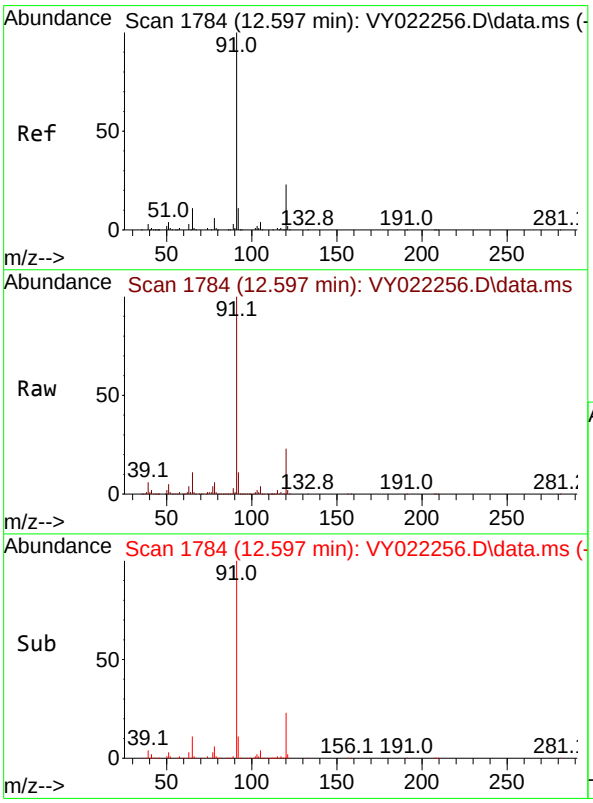
#77
Bromobenzene
Concen: 50.599 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 161475

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.5	283.6
158	96.9	48.4	145.3

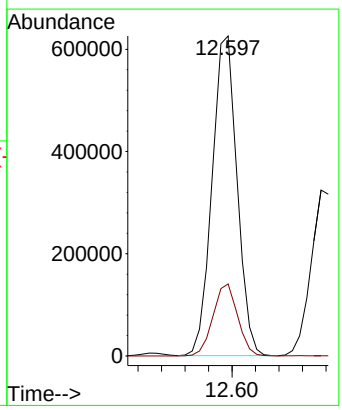


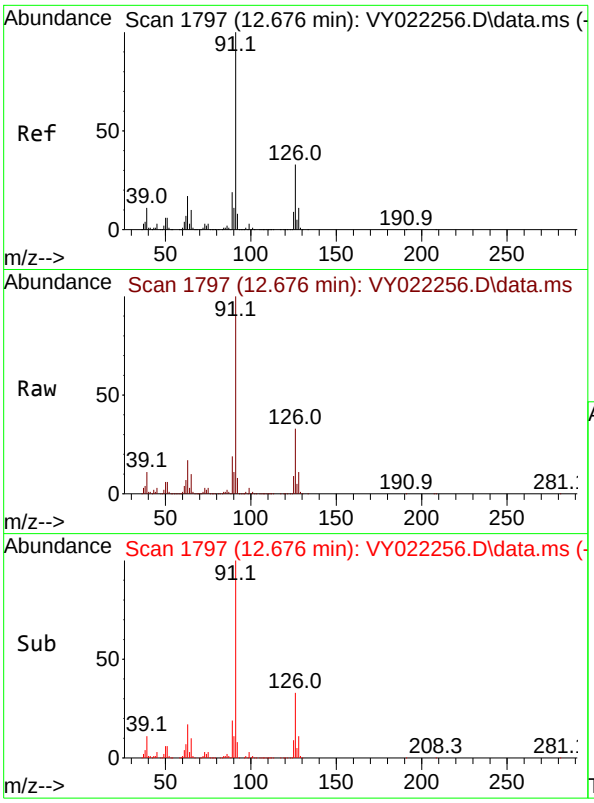


#78
n-propylbenzene
Concen: 51.306 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 924664

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3



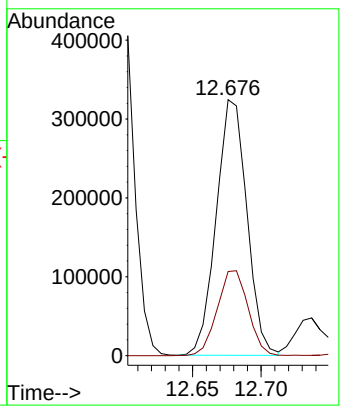


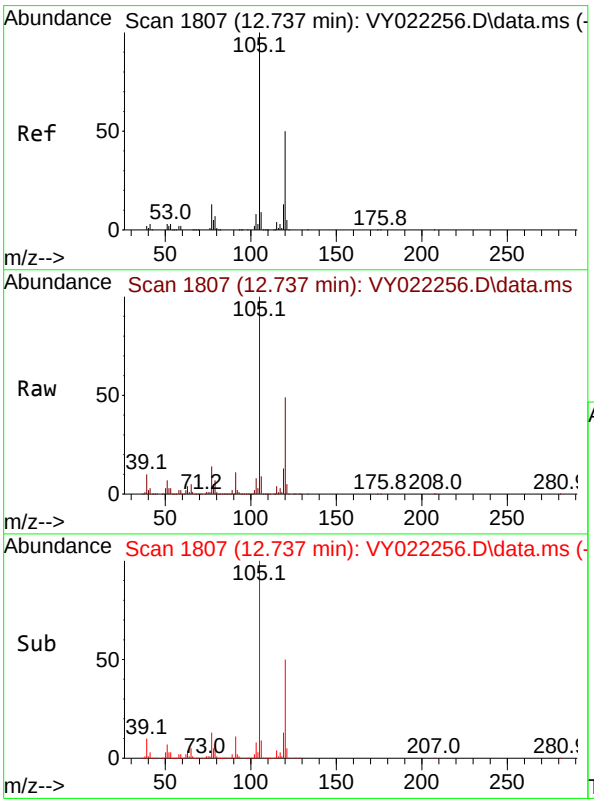
#79
2-Chlorotoluene
Concen: 51.058 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 505684

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

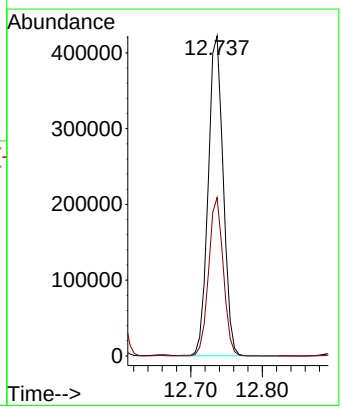


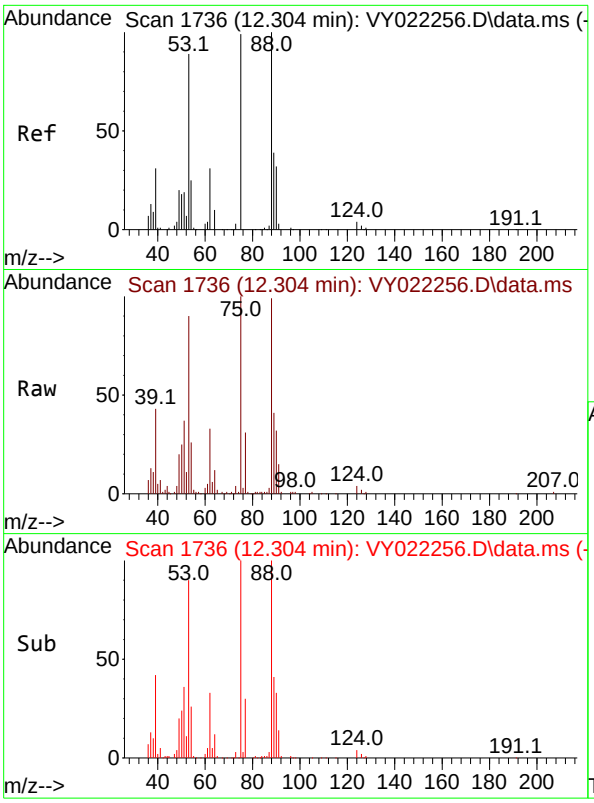


#80
1,3,5-Trimethylbenzene
Concen: 50.991 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615033

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.2	72.6



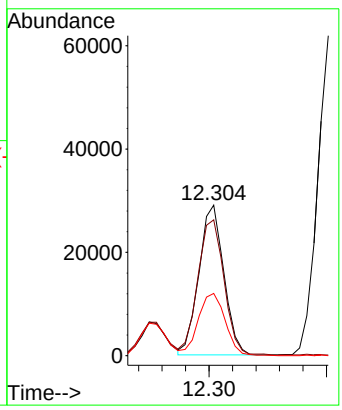


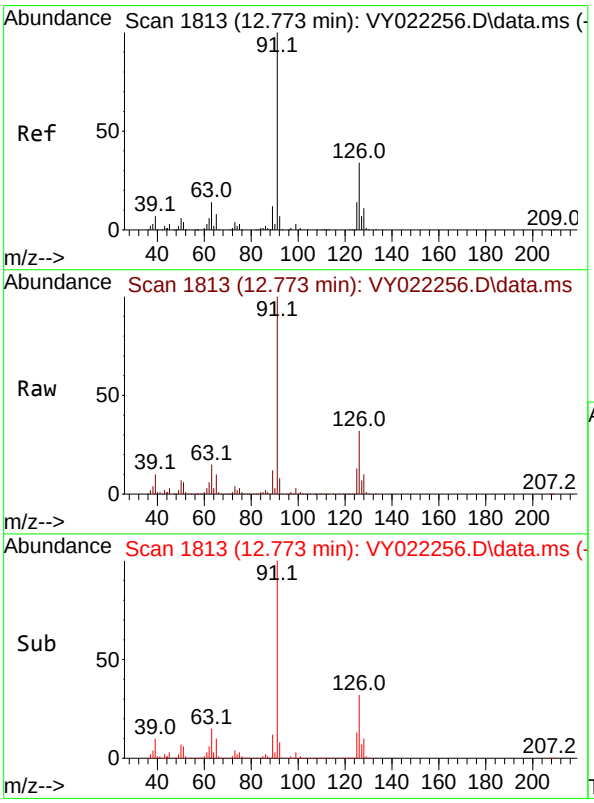
#81
trans-1,4-Dichloro-2-butene
Concen: 47.331 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 42692

Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.8	113.8
89	45.2	36.2	54.2

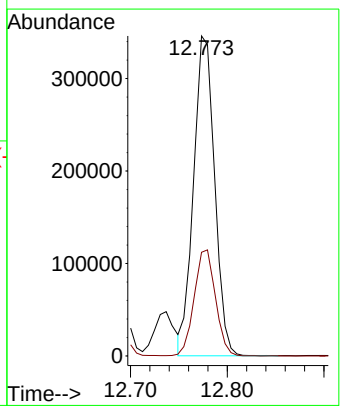


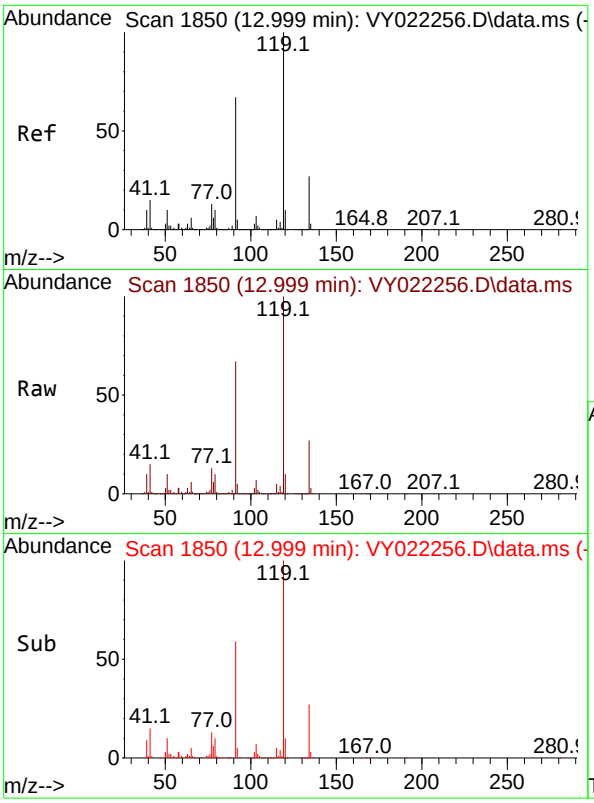


#82
4-Chlorotoluene
Concen: 51.464 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 524270

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



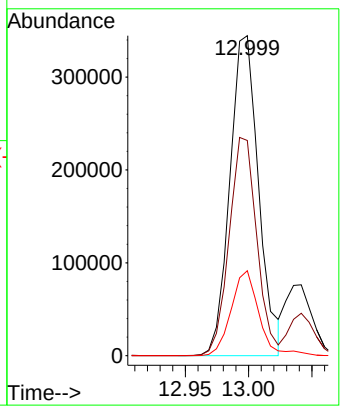


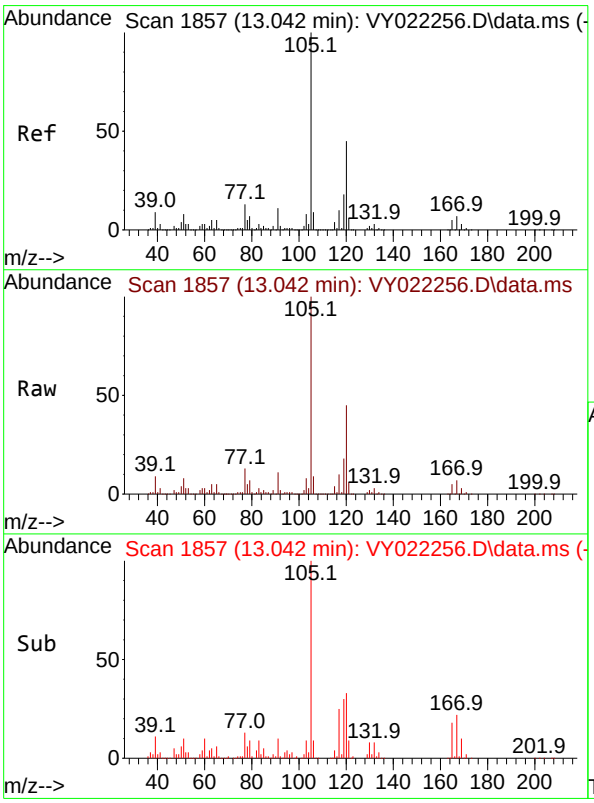
#83
tert-Butylbenzene
Concen: 50.952 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 546231

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.8	98.3
134	25.7	12.9	38.6

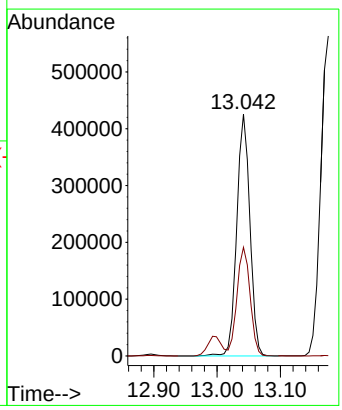


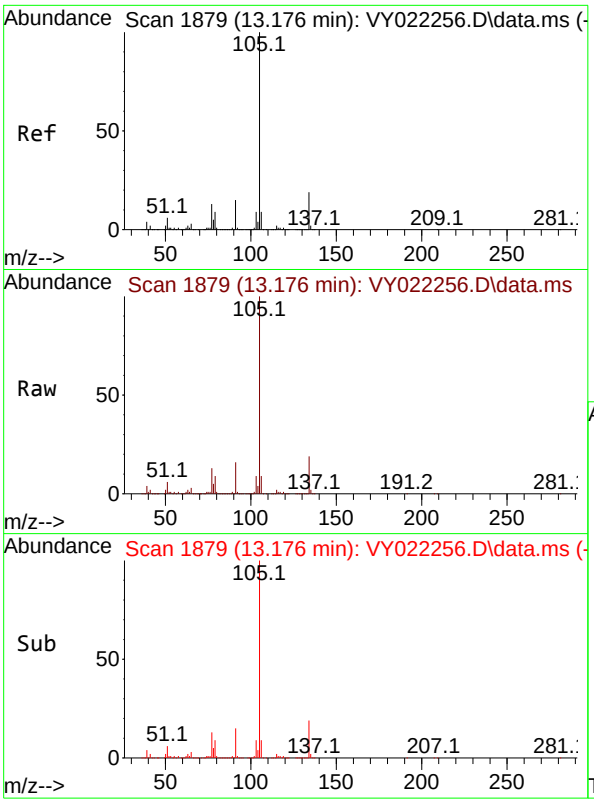


#84
1,2,4-Trimethylbenzene
Concen: 51.410 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615550

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9



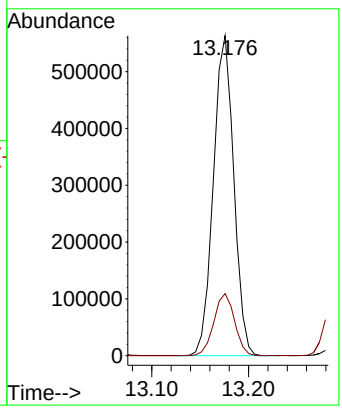


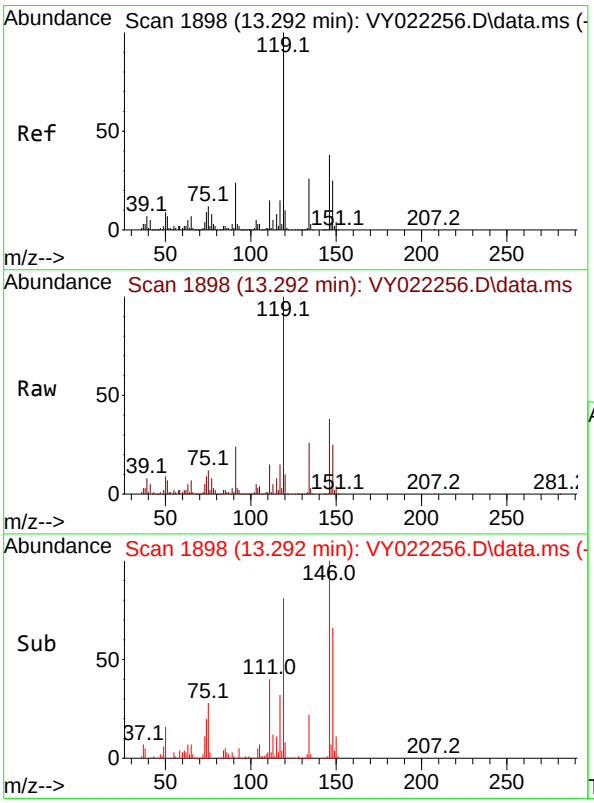
#85
sec-Butylbenzene
Concen: 51.825 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 824725

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

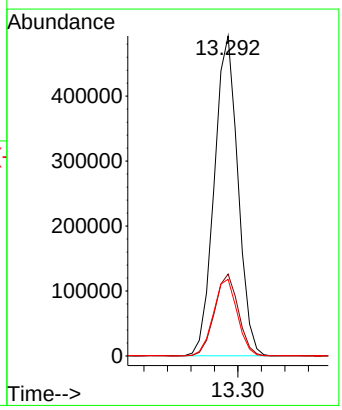


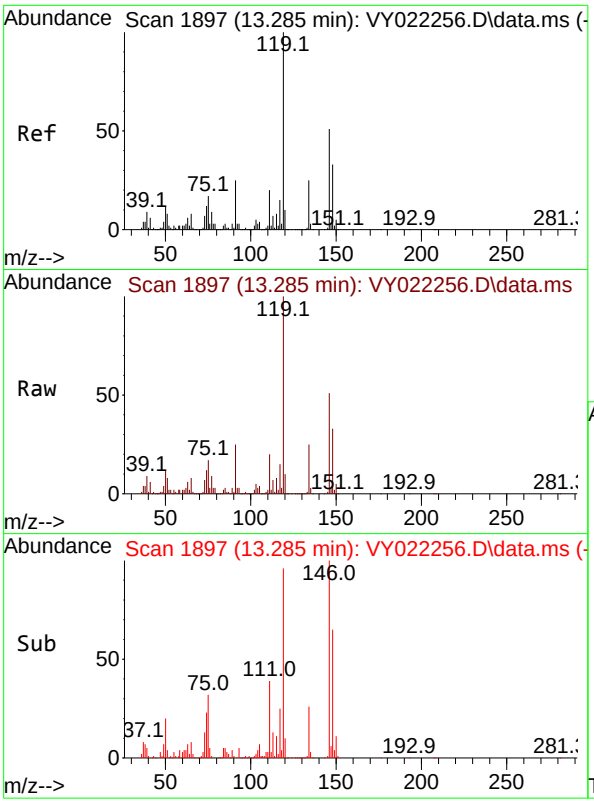


#86
p-Isopropyltoluene
Concen: 51.446 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:119 Resp: 688561

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.2	12.1	36.3



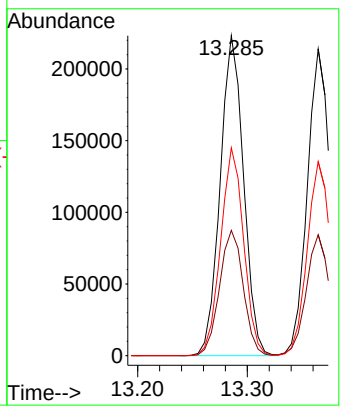


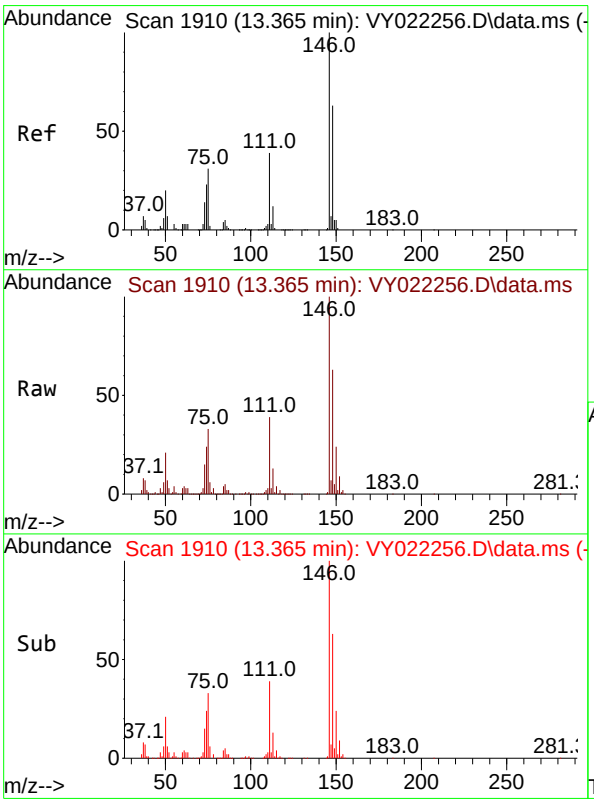
#87
1,3-Dichlorobenzene
Concen: 50.890 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 331536

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.8	31.9	95.7

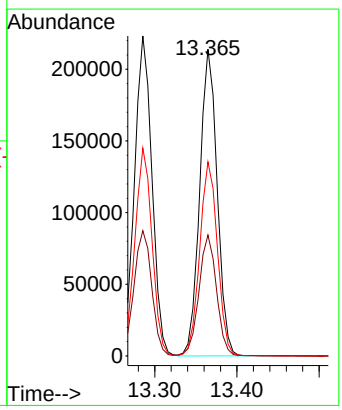


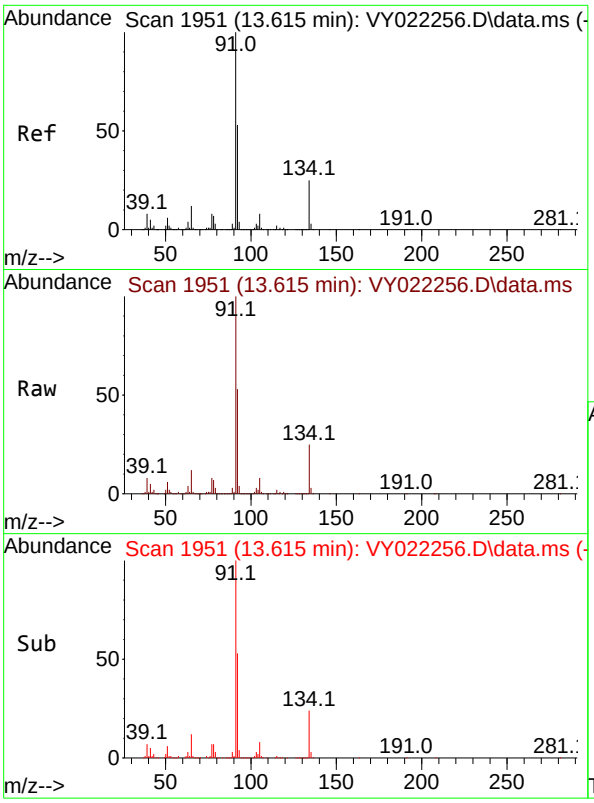


#88
1,4-Dichlorobenzene
Concen: 50.363 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 315598

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.3	32.1	96.5



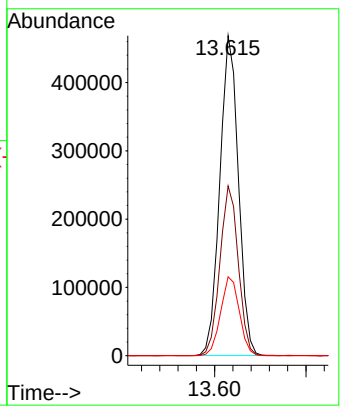


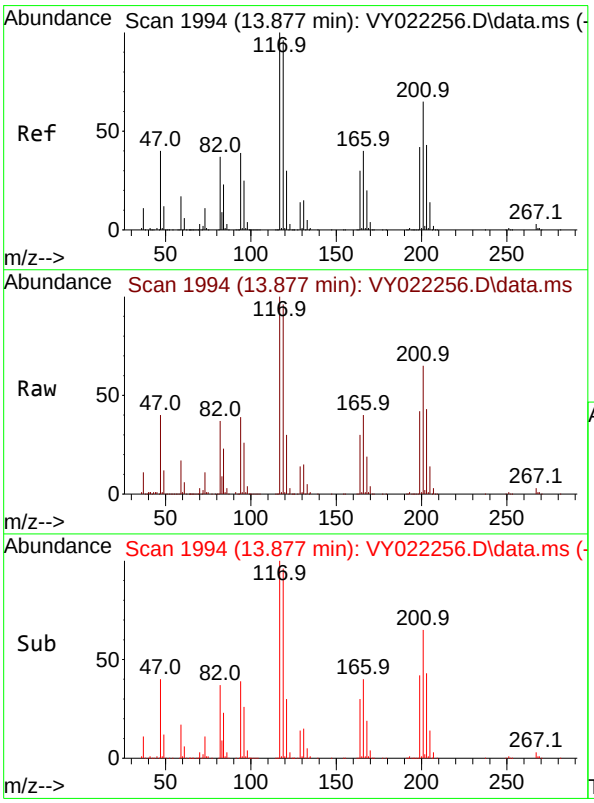
#89
n-Butylbenzene
Concen: 52.245 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 661532

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	24.9	12.4	37.4

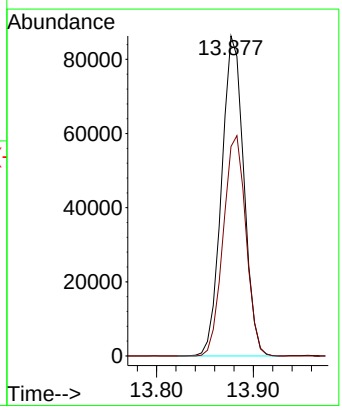


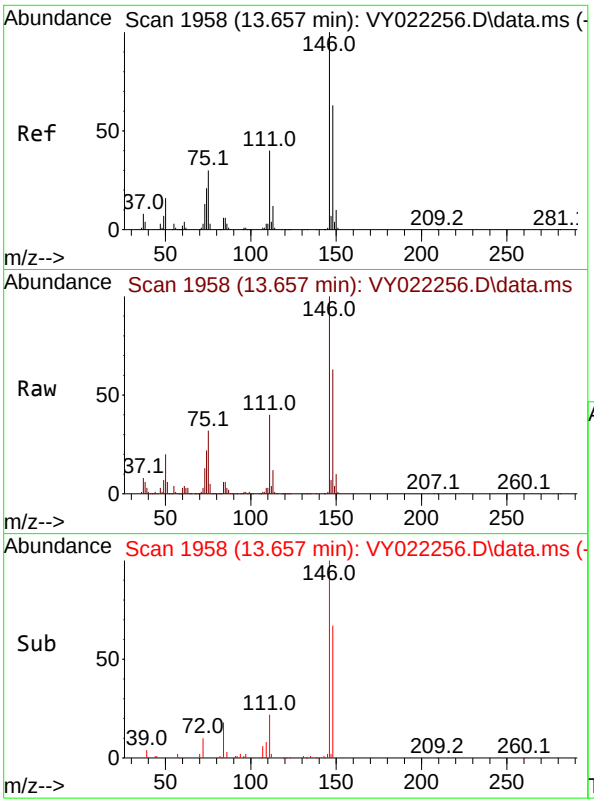


#90
Hexachloroethane
Concen: 50.791 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 137225

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6



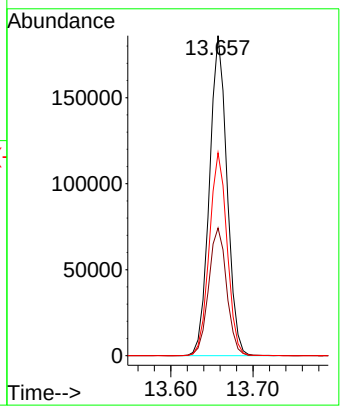


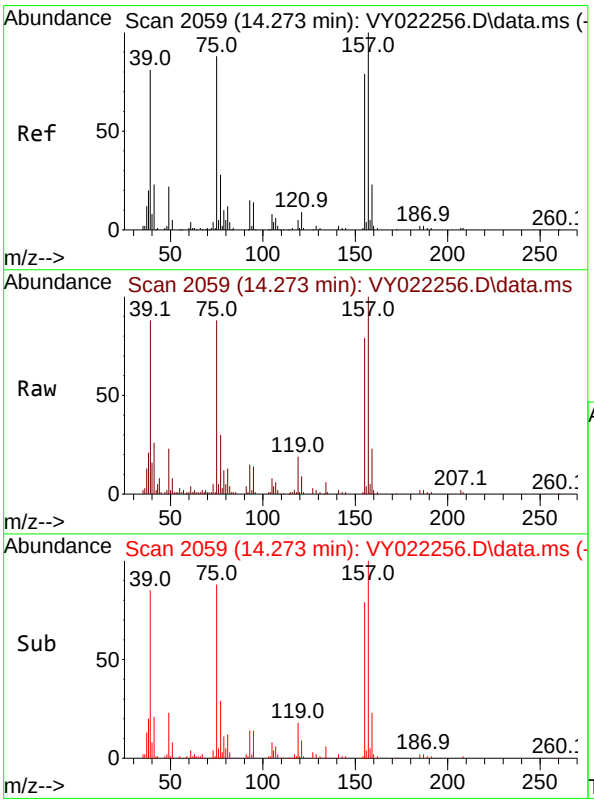
#91
1,2-Dichlorobenzene
Concen: 50.558 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 276666

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.0	32.0	96.0

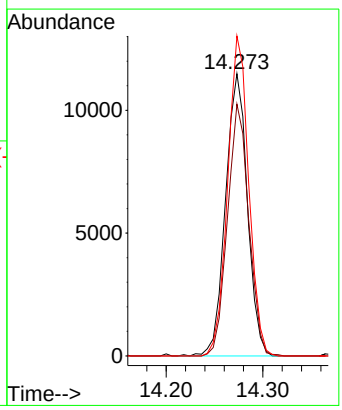


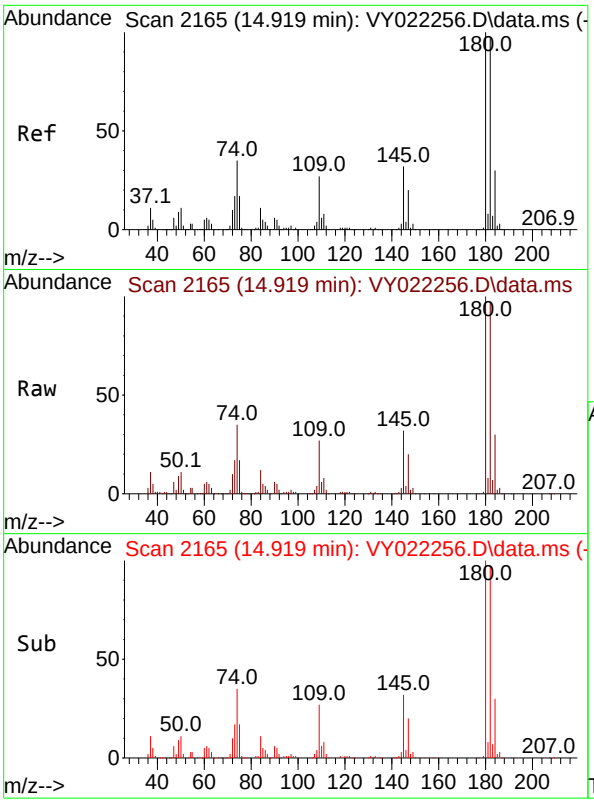


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.682 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 18039

Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.4	130.1
157	109.3	54.6	163.9



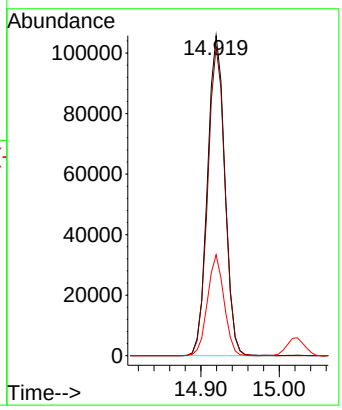


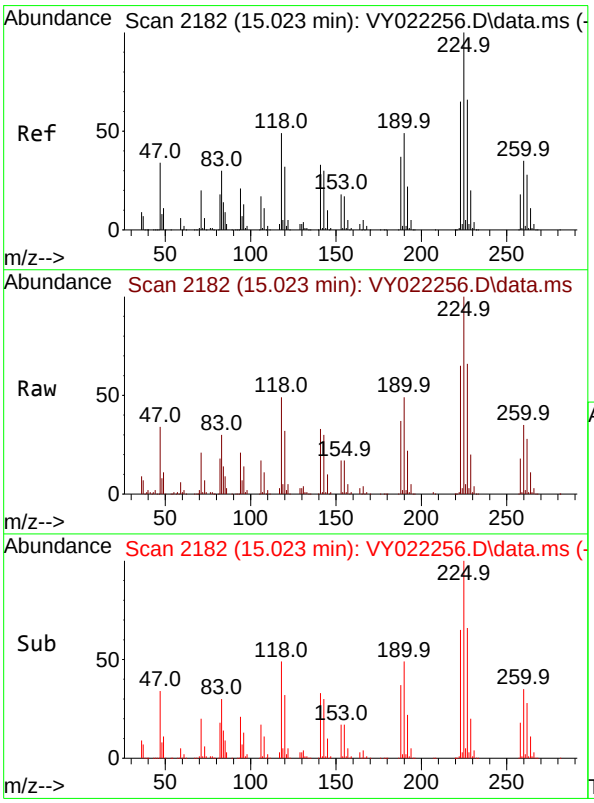
#93
1,2,4-Trichlorobenzene
Concen: 51.338 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 162275

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	30.1	15.0	45.1

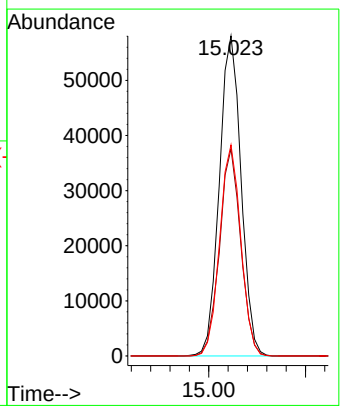


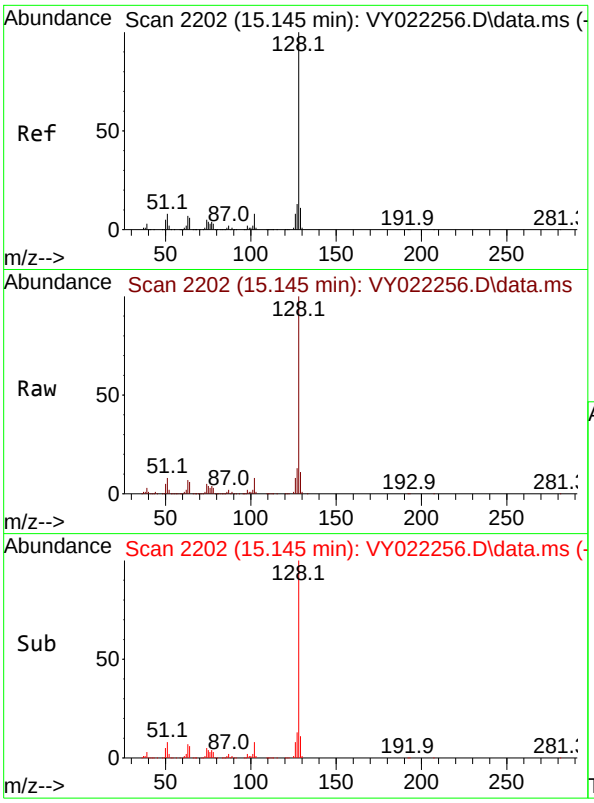


#94
Hexachlorobutadiene
Concen: 51.313 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:225 Resp: 90452

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	64.2	32.1	96.3



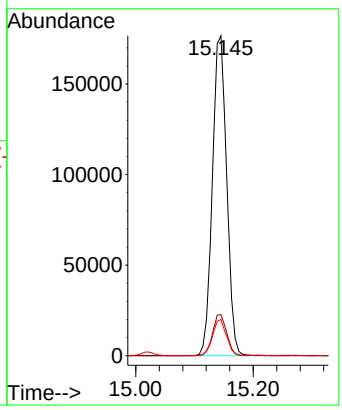


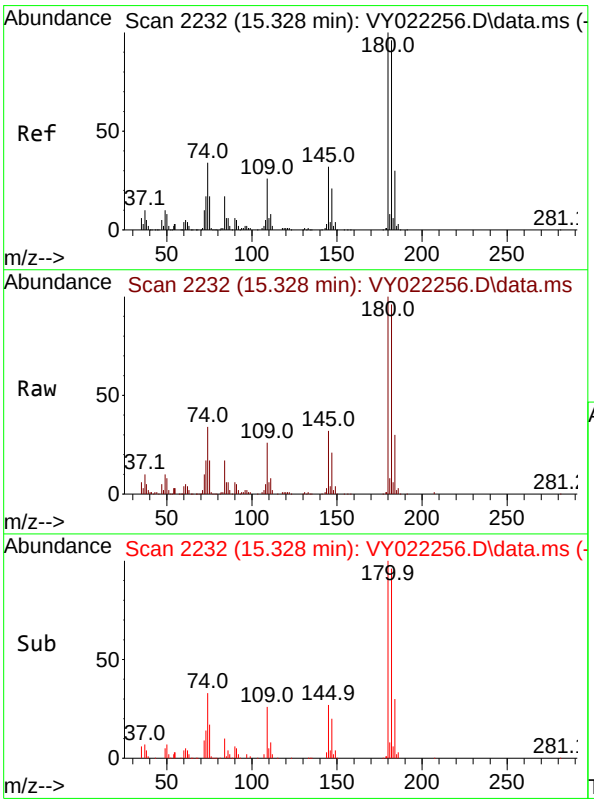
#95
Naphthalene
Concen: 49.692 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 298075

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

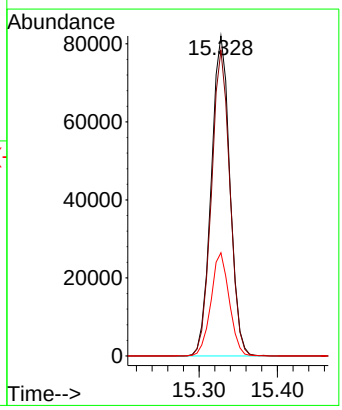




#96
1,2,3-Trichlorobenzene
Concen: 50.596 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:180 Resp: 135673

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	31.7	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	443341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	292533	99.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.460%#			
35) Dibromofluoromethane	7.634	113	262995	99.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 198.780%#			
50) Toluene-d8	10.103	98	1076035	99.289	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 198.580%#			
62) 4-Bromofluorobenzene	12.408	95	343397	99.968	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 199.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	252438	90.138	ug/l	99
3) Chloromethane	2.062	50	561441	95.302	ug/l	100
4) Vinyl Chloride	2.202	62	639001	97.085	ug/l	96
5) Bromomethane	2.586	94	512452	95.642	ug/l	98
6) Chloroethane	2.732	64	393556	96.113	ug/l	99
7) Trichlorofluoromethane	3.049	101	650265	97.581	ug/l	100
8) Diethyl Ether	3.452	74	158375	99.031	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	272288	94.120	ug/l	99
10) Methyl Iodide	4.000	142	349345	104.334	ug/l	100
11) Tert butyl alcohol	4.872	59	112593	502.655	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	277897	96.798	ug/l	97
13) Acrolein	3.653	56	156649	478.373	ug/l	99
14) Allyl chloride	4.378	41	500514	99.429	ug/l	100
15) Acrylonitrile	5.055	53	340325	516.458	ug/l	99
16) Acetone	3.872	43	252327	458.767	ug/l	99
17) Carbon Disulfide	4.104	76	901081	96.251	ug/l	99
18) Methyl Acetate	4.385	43	185837	111.043	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	807404	101.997	ug/l	98
20) Methylene Chloride	4.610	84	305912	86.076	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	311460	98.288	ug/l	97
22) Diisopropyl ether	6.018	45	1075035	101.128	ug/l	99
23) Vinyl Acetate	5.957	43	3259000	507.456	ug/l	100
24) 1,1-Dichloroethane	5.915	63	586479	98.750	ug/l	99
25) 2-Butanone	6.890	43	467301	507.932	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515990	97.682	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	368826	100.861	ug/l	100
28) Bromochloromethane	7.244	49	251676	99.349	ug/l	100
29) Tetrahydrofuran	7.262	42	312286	527.609	ug/l	100
30) Chloroform	7.421	83	565823	99.326	ug/l	98
31) Cyclohexane	7.701	56	535839	90.301	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	506927	96.995	ug/l	100
36) 1,1-Dichloropropene	7.835	75	429153	98.465	ug/l	99
37) Ethyl Acetate	6.982	43	213152	101.642	ug/l	99
38) Carbon Tetrachloride	7.817	117	451589	100.097	ug/l	98
39) Methylcyclohexane	9.109	83	566259	96.704	ug/l	98
40) Benzene	8.079	78	1313733	101.677	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	113489	73.960	ug/l	#	78
42) 1,2-Dichloroethane	8.158	62	356974	102.165	ug/l		100
43) Isopropyl Acetate	8.195	43	473430	103.517	ug/l		99
44) Trichloroethene	8.865	130	315543	98.218	ug/l		97
45) 1,2-Dichloropropane	9.140	63	314179	100.858	ug/l		98
46) Dibromomethane	9.231	93	170712	101.606	ug/l		99
47) Bromodichloromethane	9.420	83	446829	102.514	ug/l		99
48) Methyl methacrylate	9.219	41	229512	107.308	ug/l		100
49) 1,4-Dioxane	9.231	88	37780	1990.455	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	1218685	543.068	ug/l		100
52) Toluene	10.170	92	839400	102.593	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	441672	103.832	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	498023	102.190	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	219460	102.005	ug/l		99
56) Ethyl methacrylate	10.438	69	353013	105.335	ug/l		98
57) 1,3-Dichloropropane	10.719	76	391514	102.420	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	872907	580.295	ug/l		99
59) 2-Hexanone	10.761	43	809288	537.872	ug/l		100
60) Dibromochloromethane	10.908	129	292143	104.616	ug/l		99
61) 1,2-Dibromoethane	11.011	107	207266	103.362	ug/l		99
64) Tetrachloroethene	10.646	164	343677	96.489	ug/l		99
65) Chlorobenzene	11.438	112	881086	101.346	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	307866	103.007	ug/l		99
67) Ethyl Benzene	11.517	91	1674355	102.836	ug/l		99
68) m/p-Xylenes	11.627	106	1271299	207.213	ug/l		100
69) o-Xylene	11.956	106	602390	103.777	ug/l		99
70) Styrene	11.969	104	1028498	105.038	ug/l		100
71) Bromoform	12.133	173	168679	104.561	ug/l	#	99
73) Isopropylbenzene	12.255	105	1528857	97.241	ug/l		99
74) N-amyl acetate	12.066	43	468707	104.235	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244830	101.255	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	363417	108.654	ug/l	#	100
77) Bromobenzene	12.529	156	337329	100.456	ug/l		99
78) n-propylbenzene	12.597	91	1846449	97.365	ug/l		100
79) 2-Chlorotoluene	12.676	91	1026401	98.488	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1233838	97.216	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	93252	98.251	ug/l		98
82) 4-Chlorotoluene	12.779	91	1061772	99.052	ug/l		99
83) tert-Butylbenzene	12.999	119	1092617	96.859	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1263612	100.297	ug/l		100
85) sec-Butylbenzene	13.176	105	1634720	97.623	ug/l		100
86) p-Isopropyltoluene	13.291	119	1424684	101.161	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	697868	101.803	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	654104	99.199	ug/l		99
89) n-Butylbenzene	13.615	91	1310061	98.327	ug/l		99
90) Hexachloroethane	13.877	117	275652	96.961	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	576915	100.192	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41275	105.859	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	342939	103.107	ug/l		100
94) Hexachlorobutadiene	15.023	225	180060	97.075	ug/l		100
95) Naphthalene	15.145	128	674950	106.935	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	294823	104.488	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

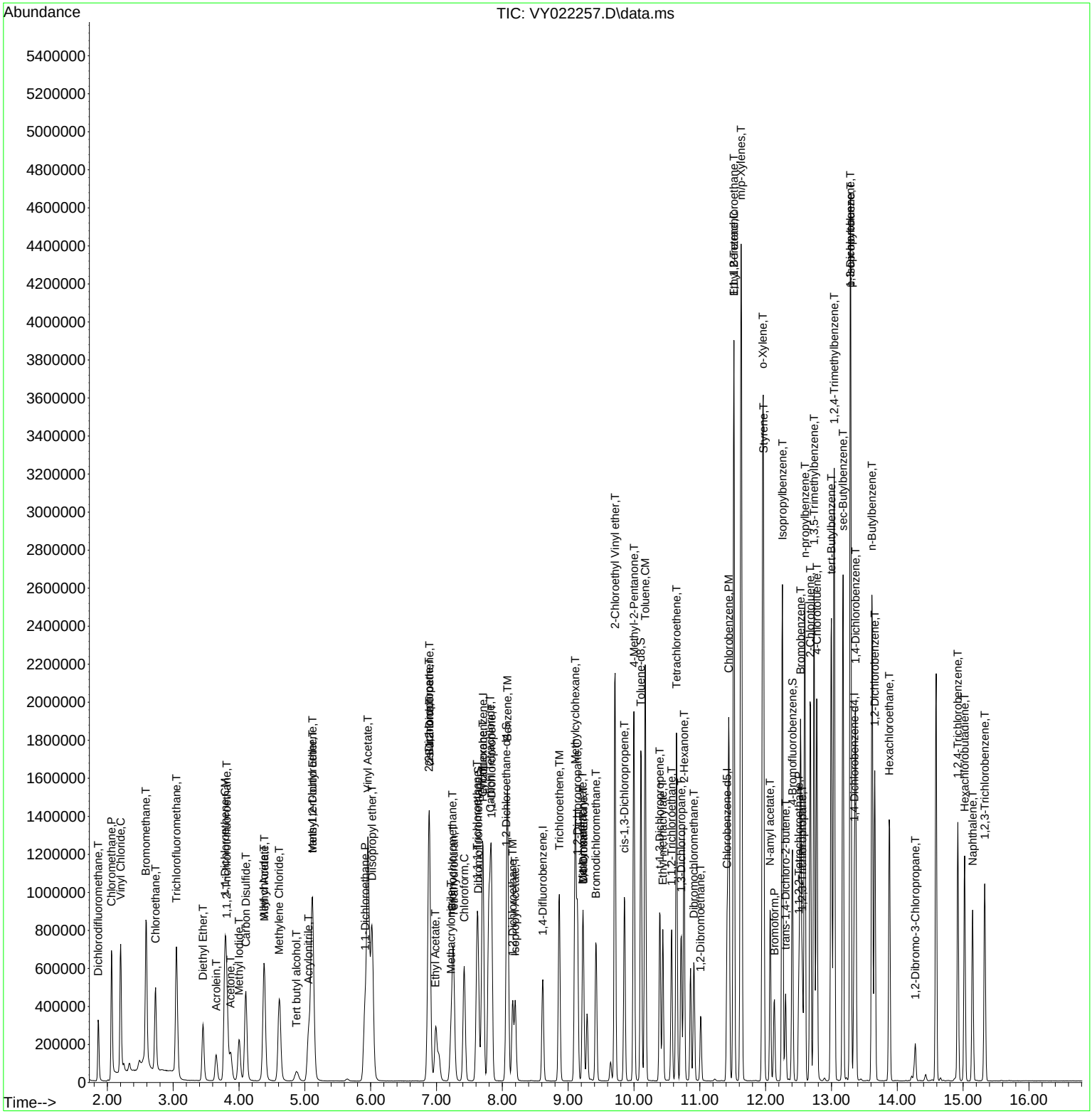
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

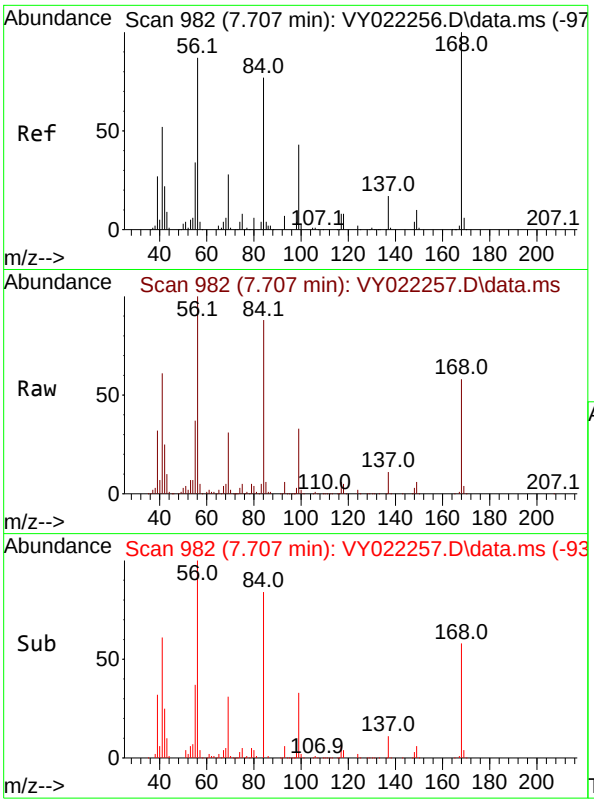
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration



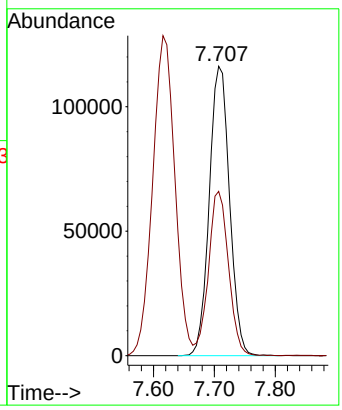


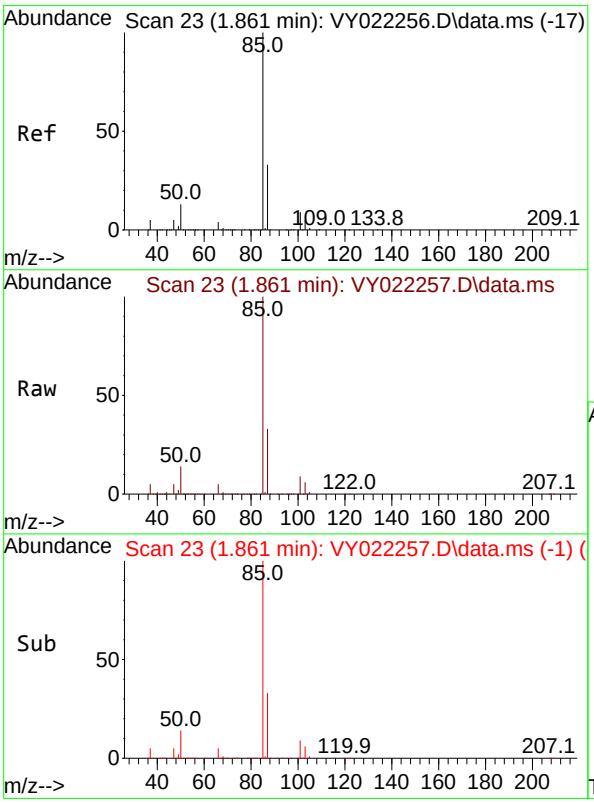
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 268393

Ion	Ratio	Lower	Upper
168	100		
99	56.7	44.2	66.4

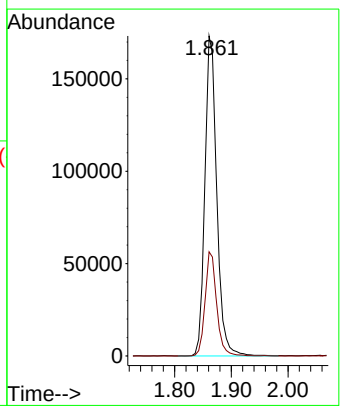


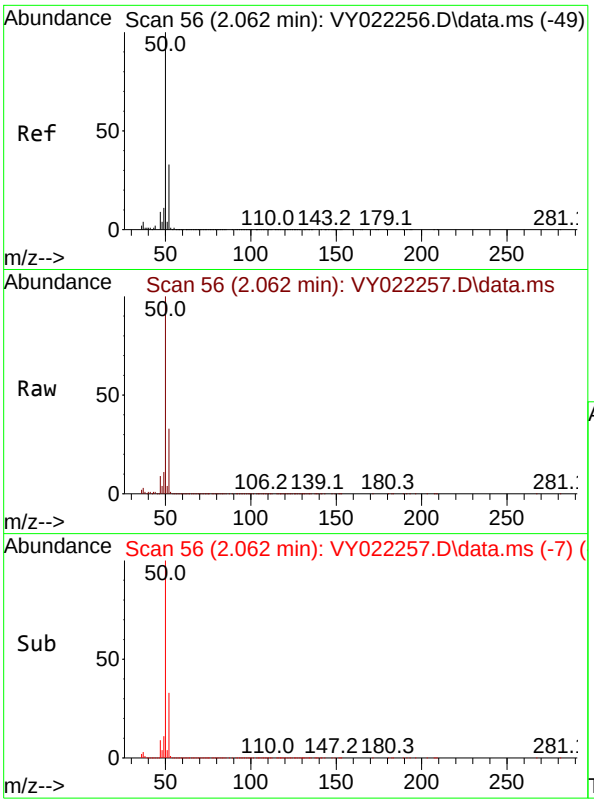


#2
Dichlorodifluoromethane
Concen: 90.138 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 85 Resp: 252438

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5



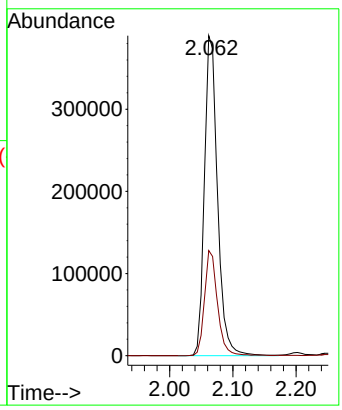


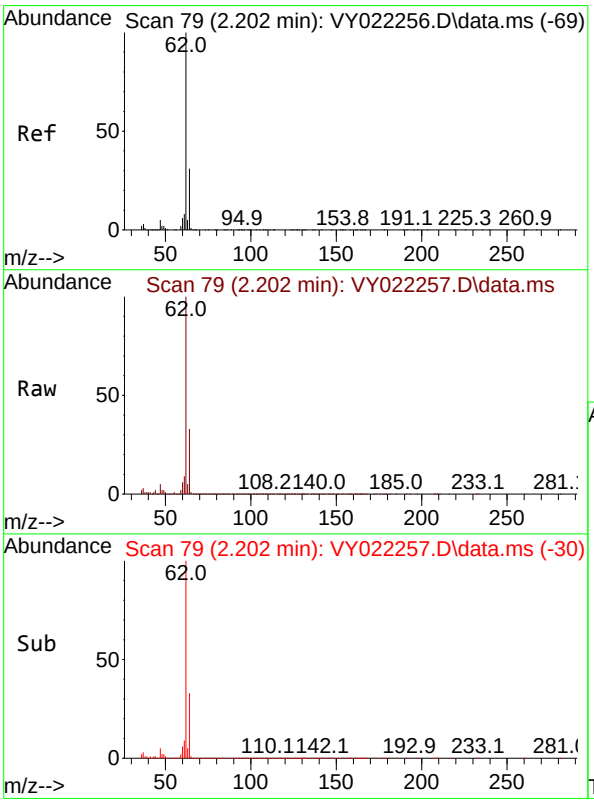
#3
Chloromethane
Concen: 95.302 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 561441

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7

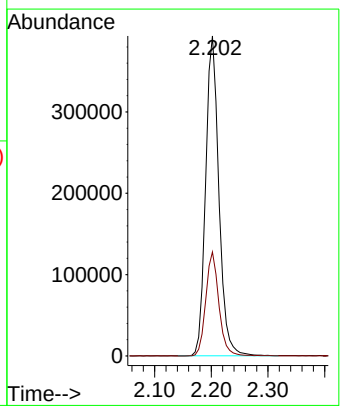


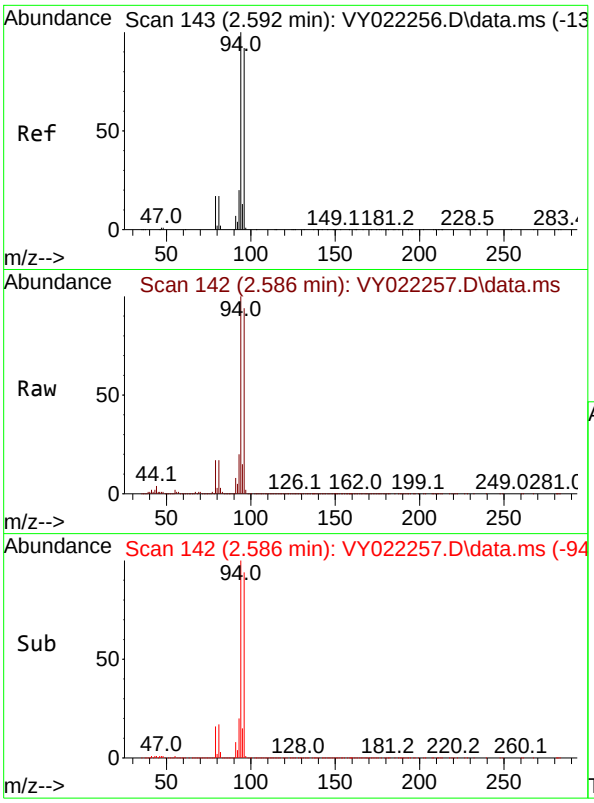


#4
Vinyl Chloride
Concen: 97.085 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 639001

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7



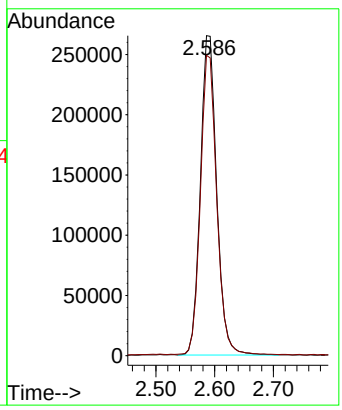


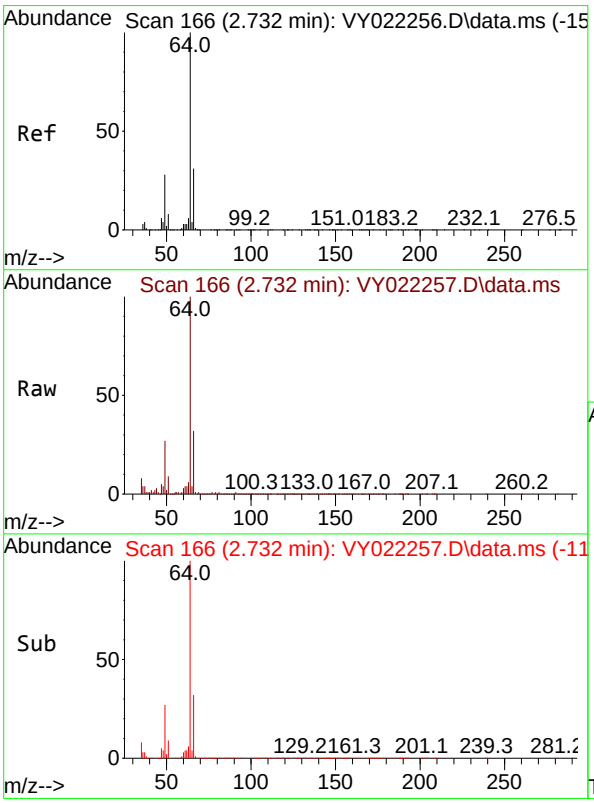
#5
Bromomethane
Concen: 95.642 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 512452

Ion	Ratio	Lower	Upper
94	100		
96	93.7	73.4	110.0

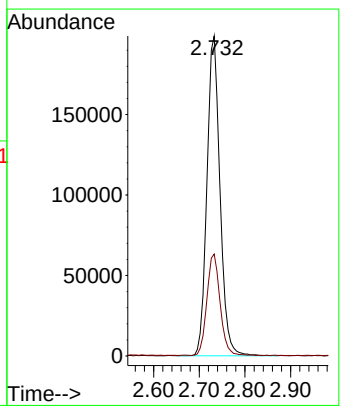


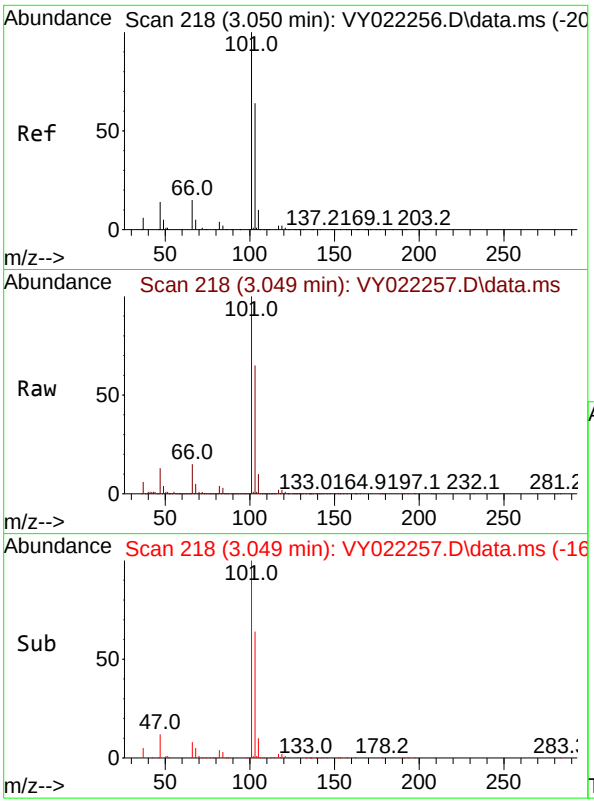


#6
Chloroethane
Concen: 96.113 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 64 Resp: 393556

Ion	Ratio	Lower	Upper
64	100		
66	31.7	24.8	37.2



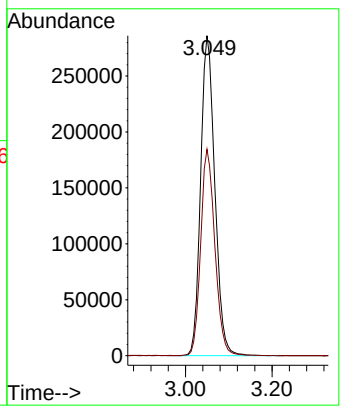


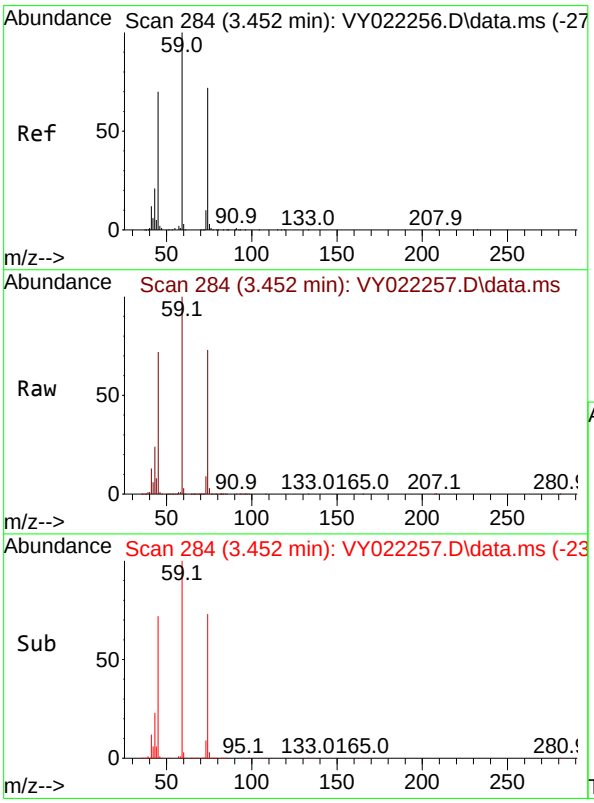
#7
Trichlorofluoromethane
Concen: 97.581 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 650265

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5

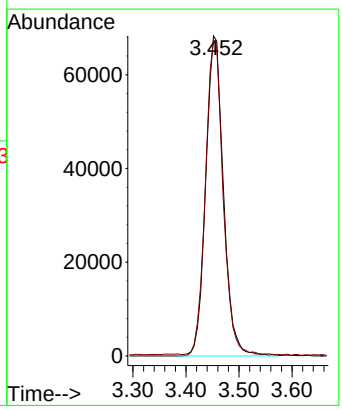


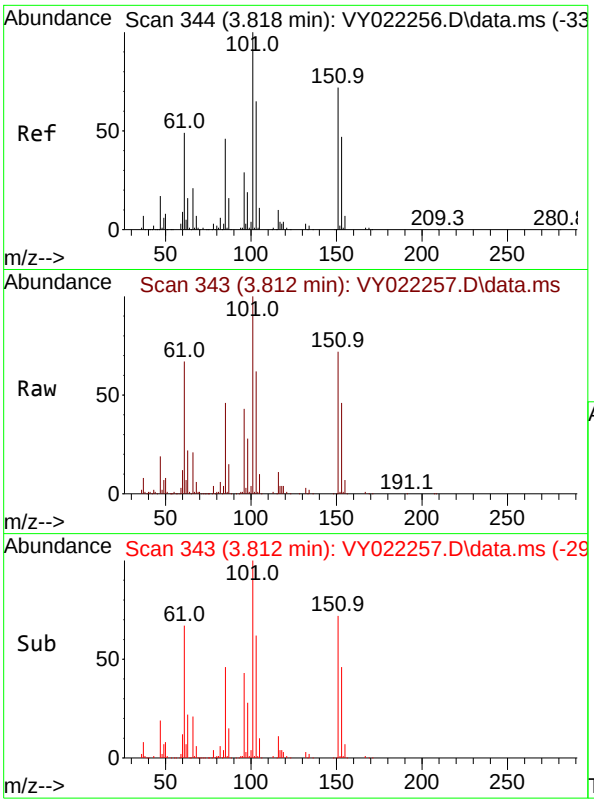


#8
Diethyl Ether
Concen: 99.031 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 74 Resp: 158375

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8



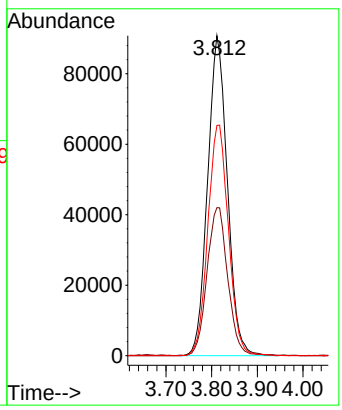


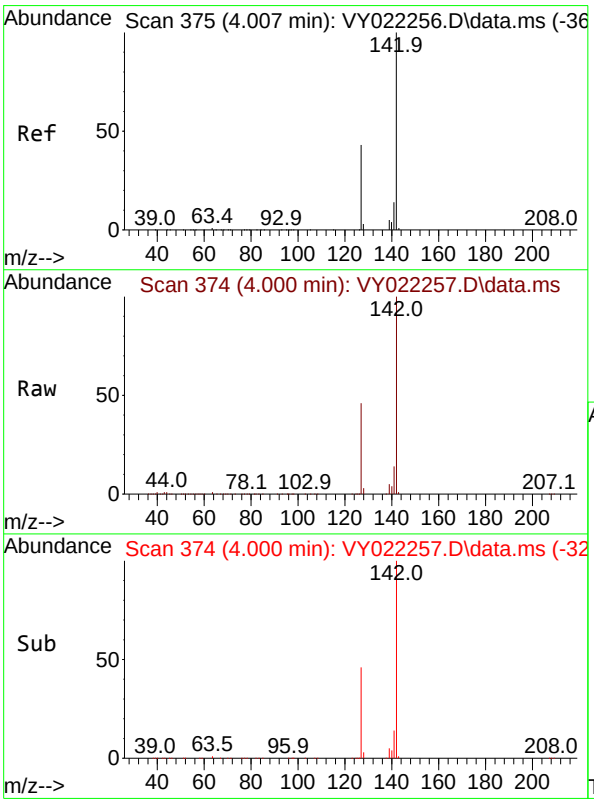
#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.120 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 272288

Ion	Ratio	Lower	Upper
101	100		
85	48.8	38.6	58.0
151	75.3	59.7	89.5

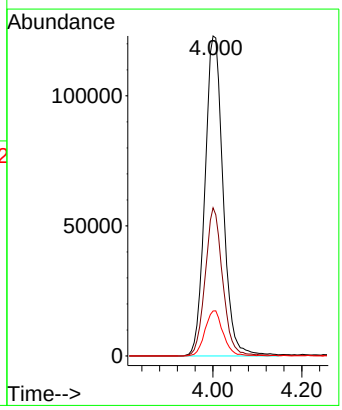


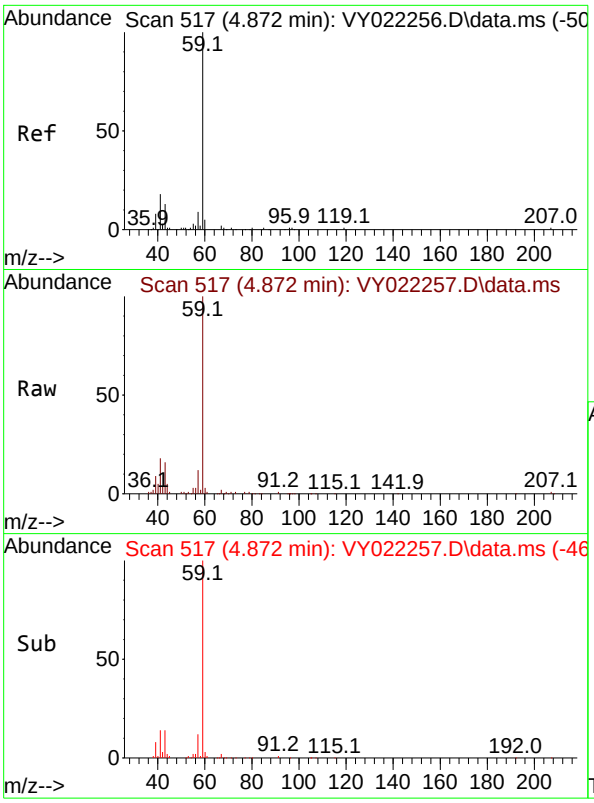


#10
Methyl Iodide
Concen: 104.334 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:142 Resp: 349345

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.1	11.1	16.7



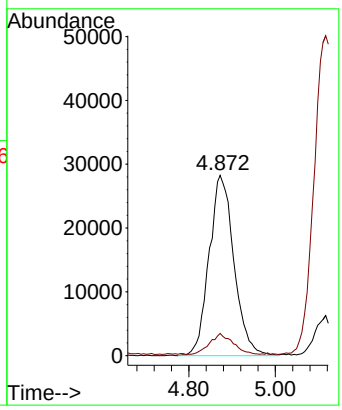


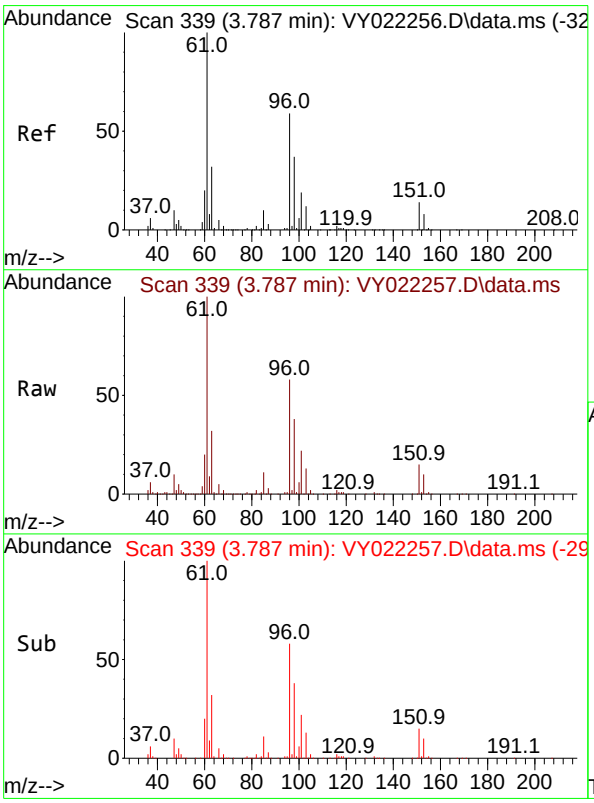
#11
Tert butyl alcohol
Concen: 502.655 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 112593

Ion	Ratio	Lower	Upper
59	100		
57	10.6	0.0	0.0#

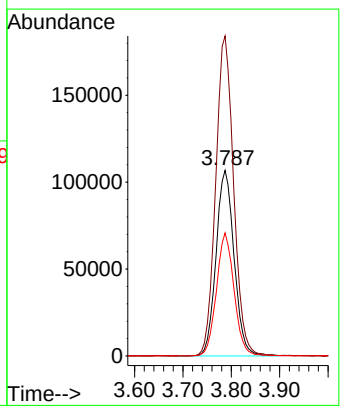


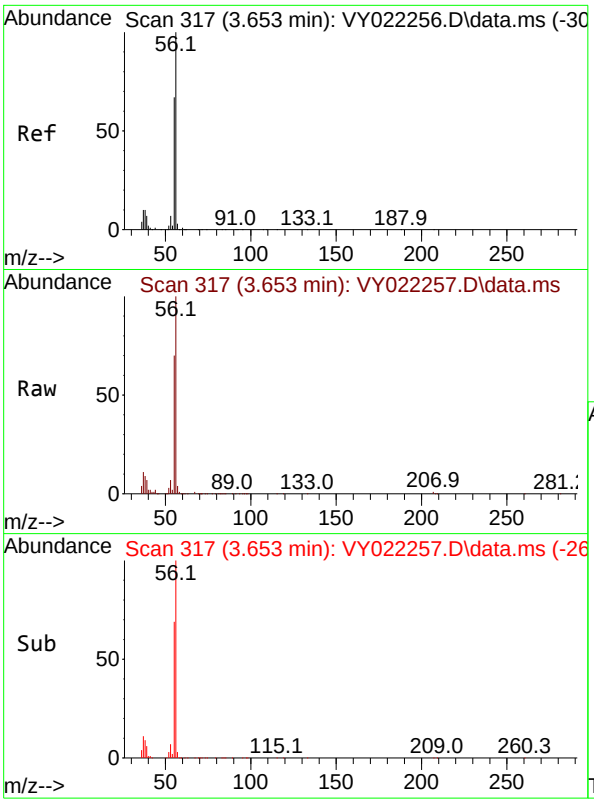


#12
1,1-Dichloroethene
Concen: 96.798 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 277897

Ion	Ratio	Lower	Upper
96	100		
61	172.4	134.9	202.3
98	66.2	49.9	74.9



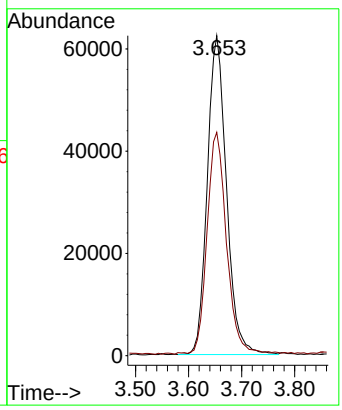


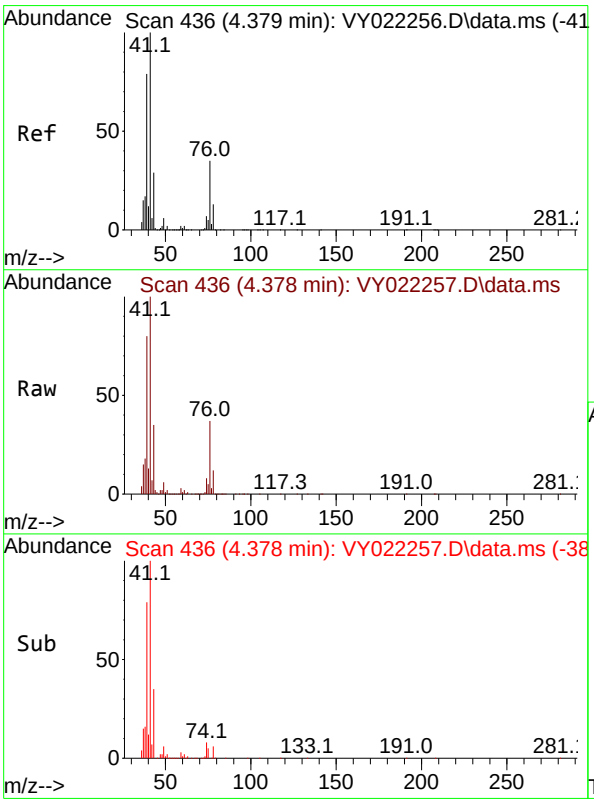
#13
Acrolein
Concen: 478.373 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 156649

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.6	83.4

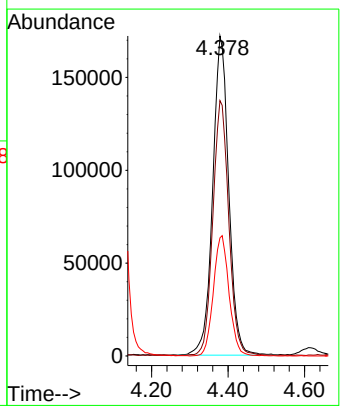


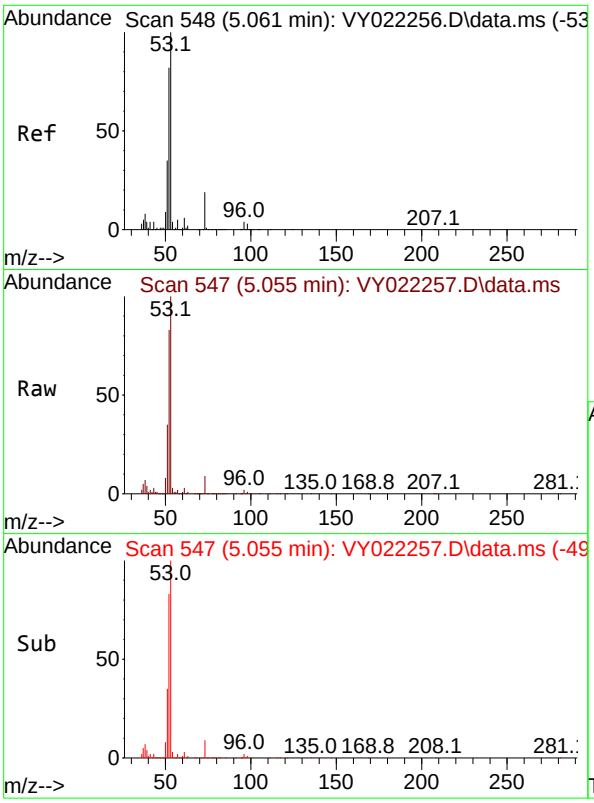


#14
Allyl chloride
Concen: 99.429 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 500514

Ion	Ratio	Lower	Upper
41	100		
39	79.4	63.4	95.0
76	36.9	29.5	44.3



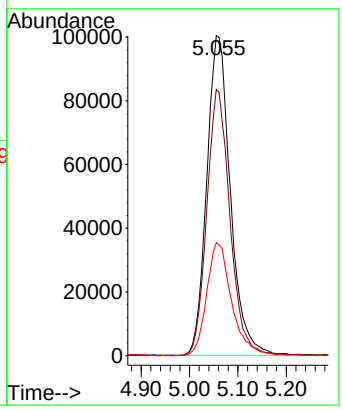


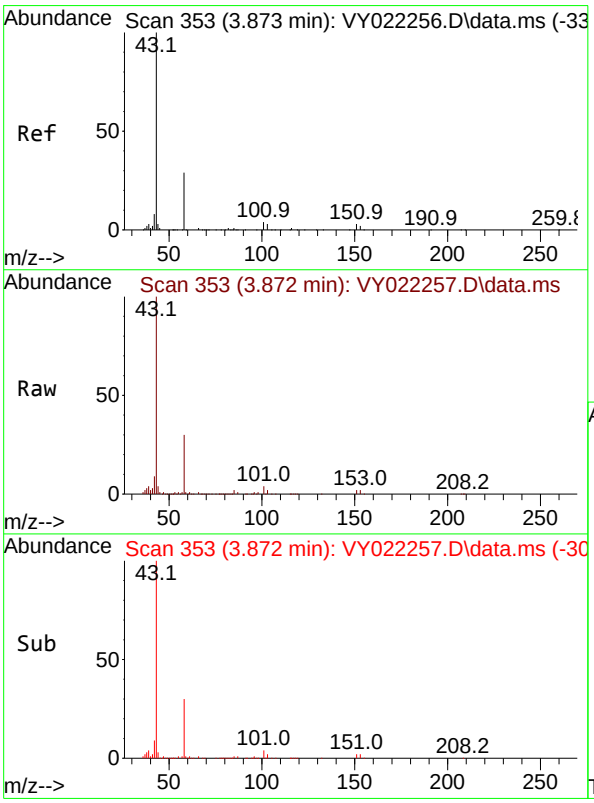
#15
Acrylonitrile
Concen: 516.458 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 340325

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	37.4	30.0	45.0

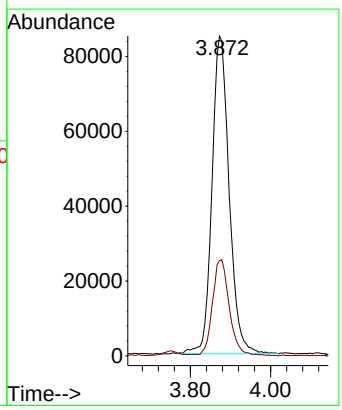


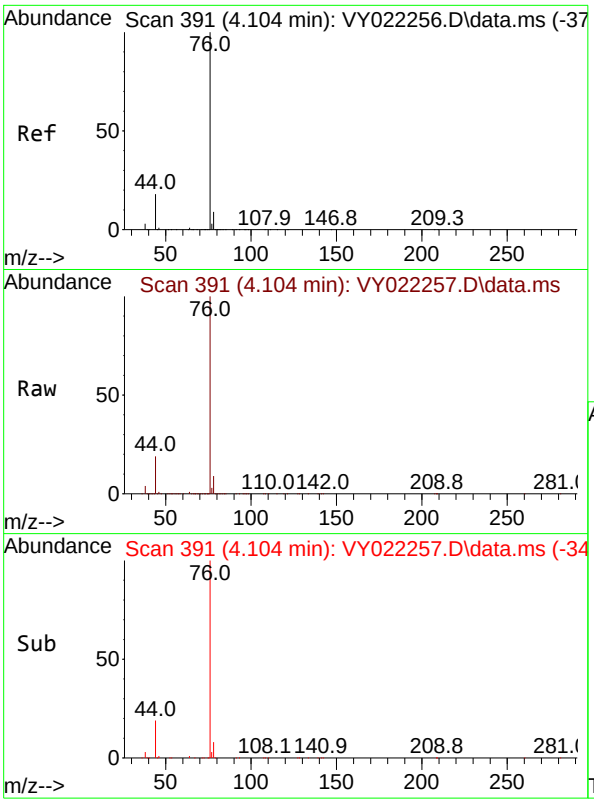


#16
Acetone
Concen: 458.767 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 252327

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4



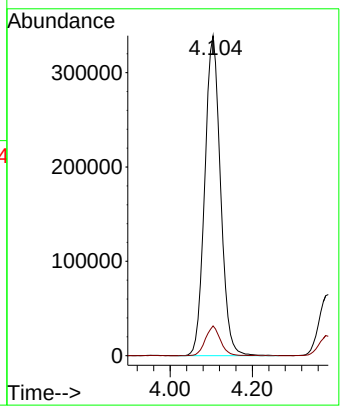


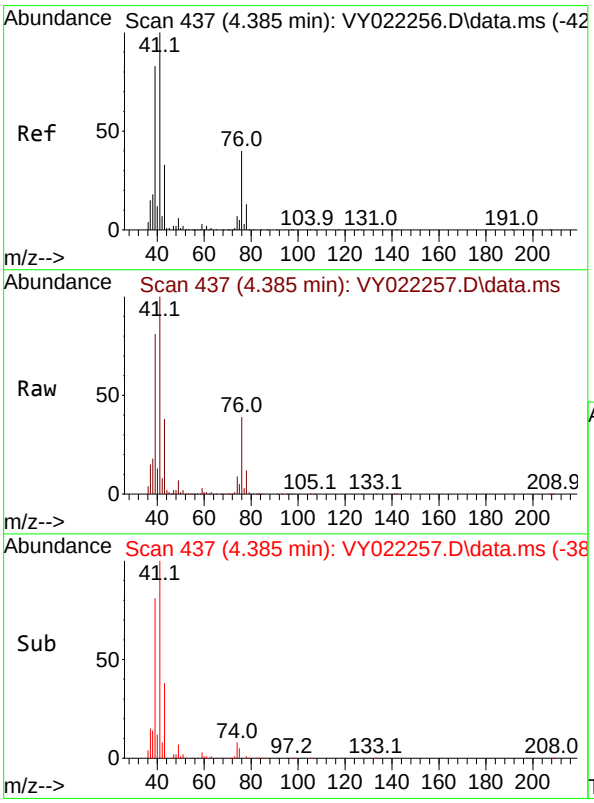
#17
Carbon Disulfide
Concen: 96.251 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 901081

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

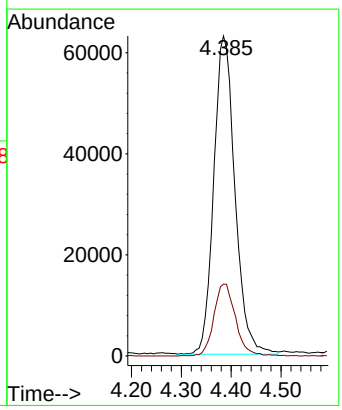


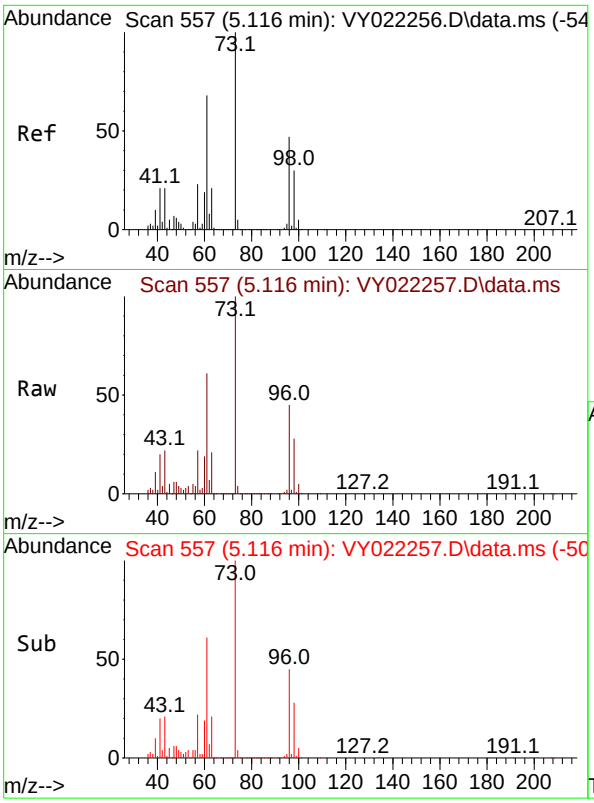


#18
Methyl Acetate
Concen: 111.043 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 185837

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.2	27.4



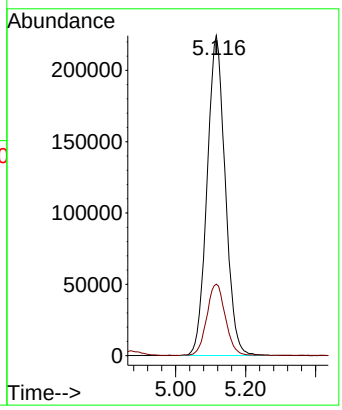


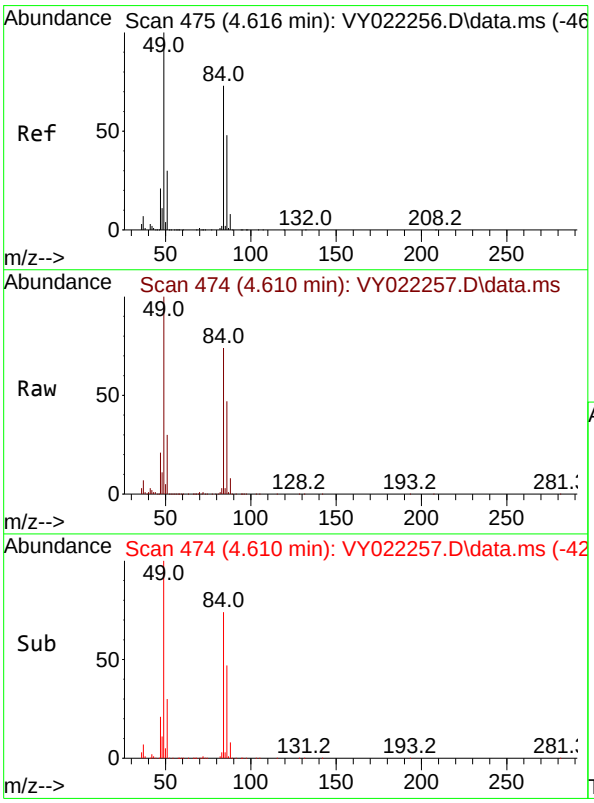
#19
Methyl tert-butyl Ether
Concen: 101.997 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 807404

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	28.0

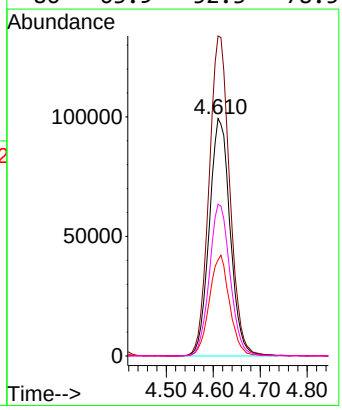


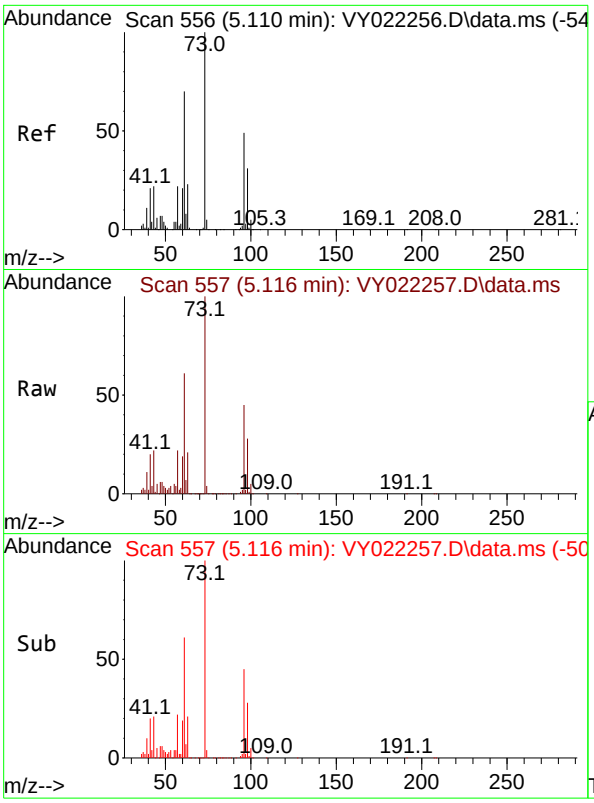


#20
Methylene Chloride
Concen: 86.076 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 84 Resp: 305912

Ion	Ratio	Lower	Upper
84	100		
49	134.8	109.6	164.4
51	40.3	32.4	48.6
86	63.9	52.3	78.5



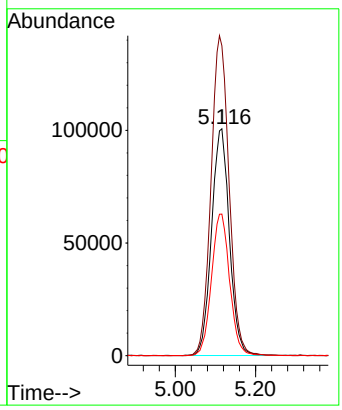


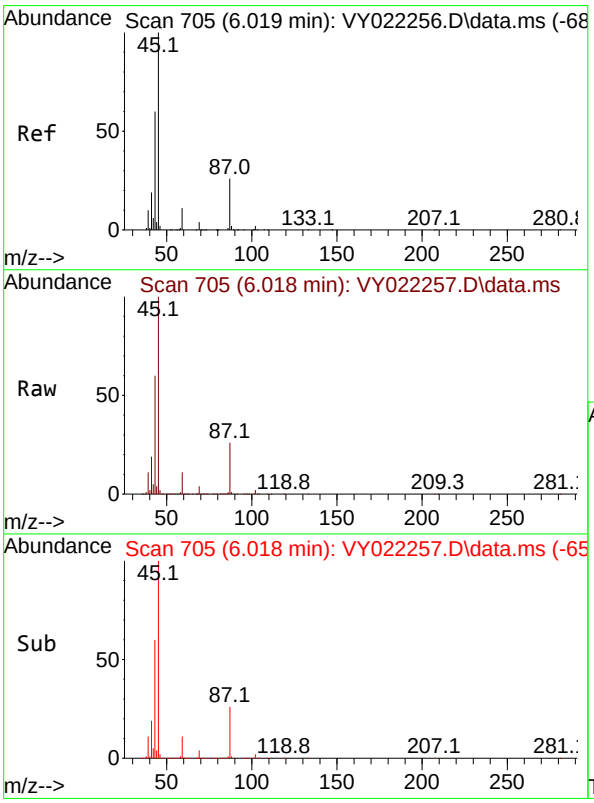
#21
trans-1,2-Dichloroethene
Concen: 98.288 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 311460

Ion	Ratio	Lower	Upper
96	100		
61	136.7	113.4	170.0
98	62.4	50.9	76.3

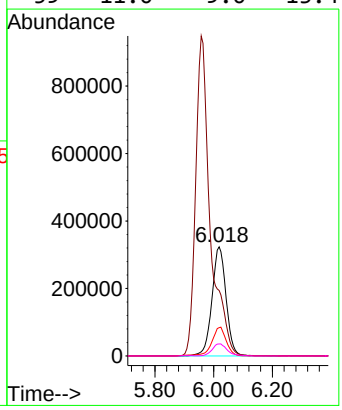


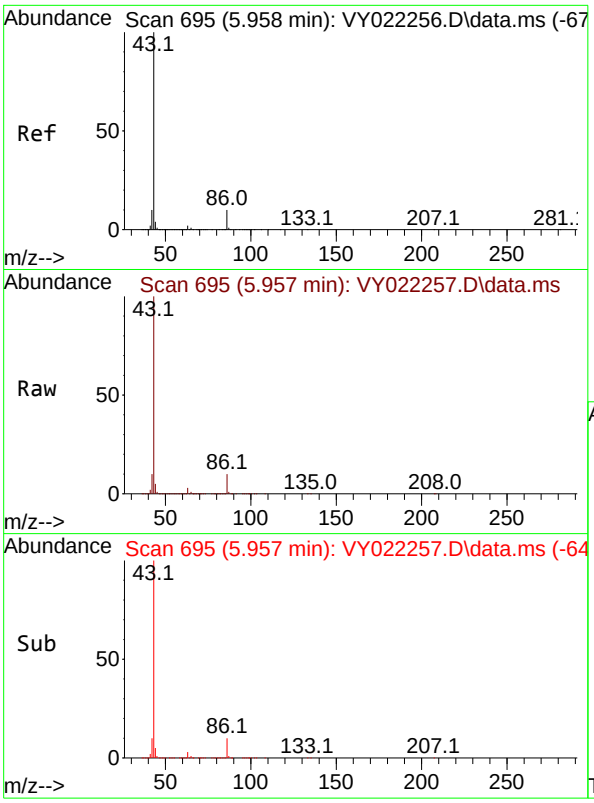


#22
Diisopropyl ether
Concen: 101.128 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 45 Resp: 1075035

Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.2	72.2
87	25.9	21.4	32.0
59	11.0	9.0	13.4



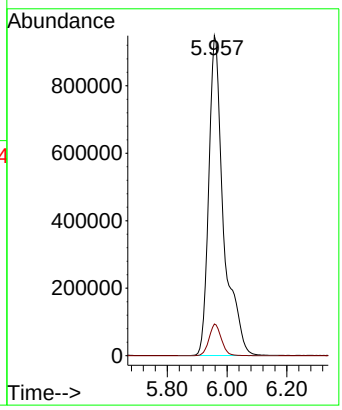


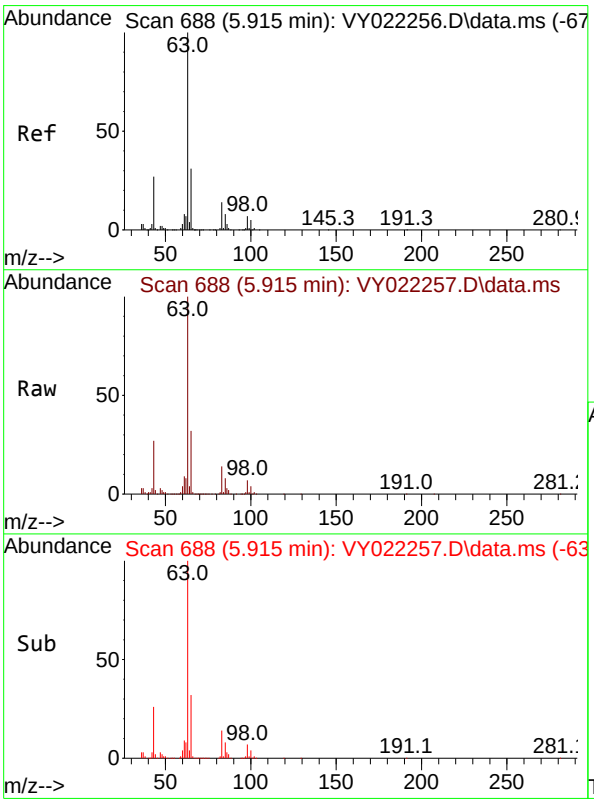
#23
Vinyl Acetate
Concen: 507.456 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3259000

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

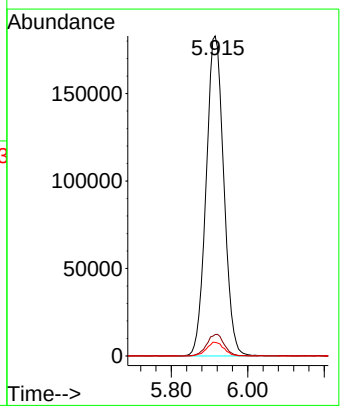


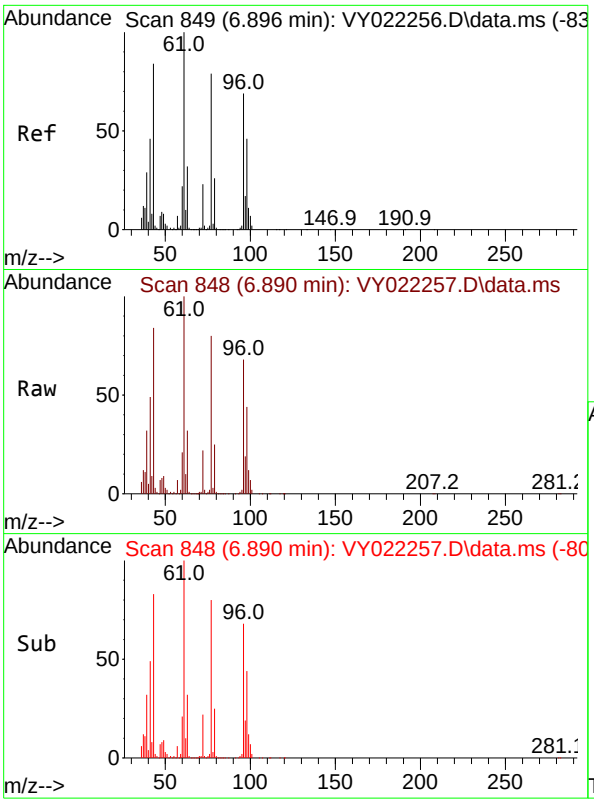


#24
1,1-Dichloroethane
Concen: 98.750 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 586479

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.2	2.4	7.2



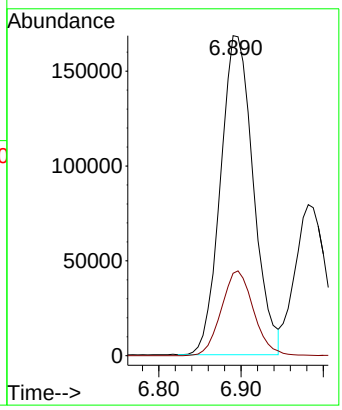


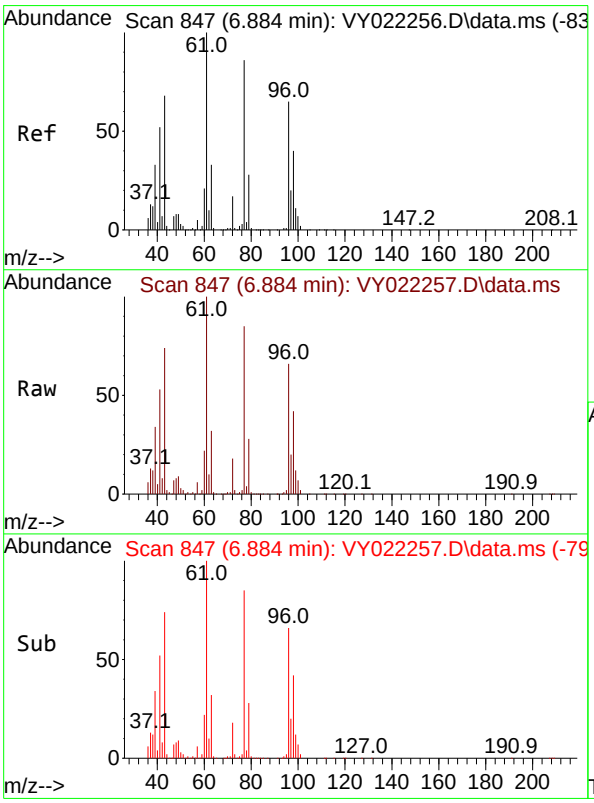
#25
2-Butanone
Concen: 507.932 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 467301

Ion	Ratio	Lower	Upper
43	100		
72	25.8	22.1	33.1

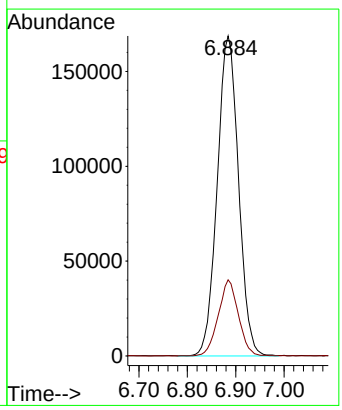


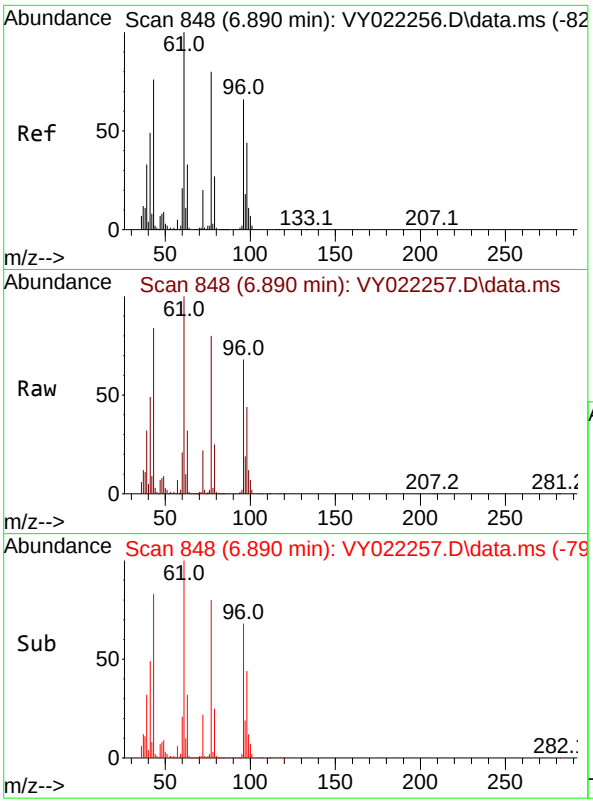


#26
2,2-Dichloropropane
Concen: 97.682 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 77 Resp: 515990

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5



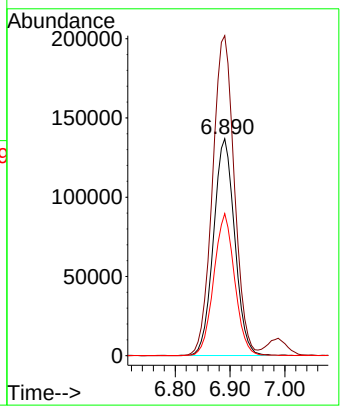


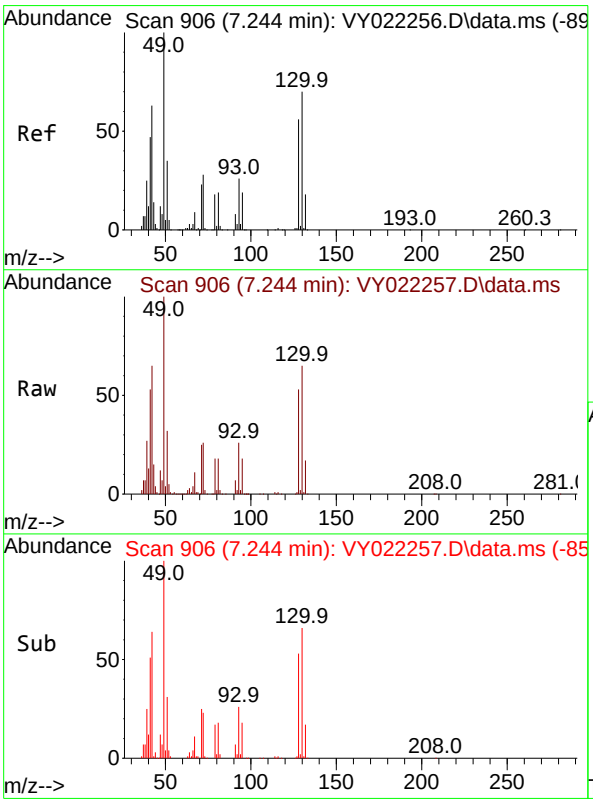
#27
cis-1,2-Dichloroethene
Concen: 100.861 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 368826

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	302.6
98	64.6	0.0	128.8

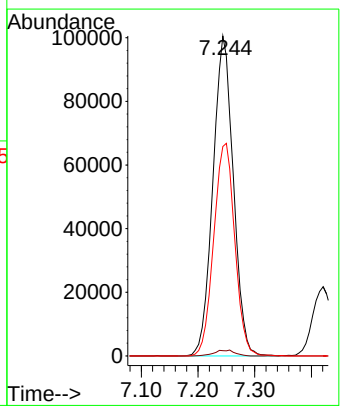


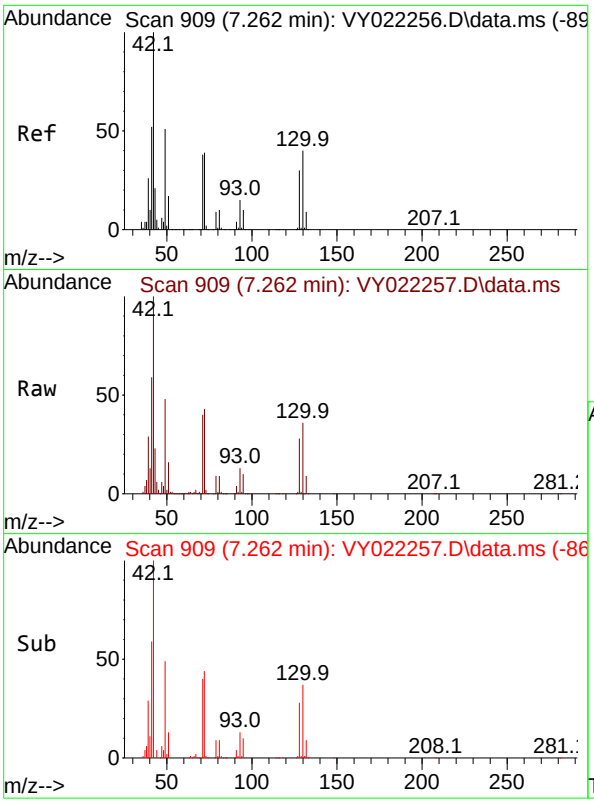


#28
Bromochloromethane
Concen: 99.349 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 49 Resp: 251676

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.4	54.7	82.1



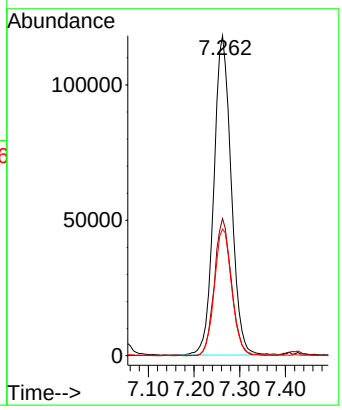


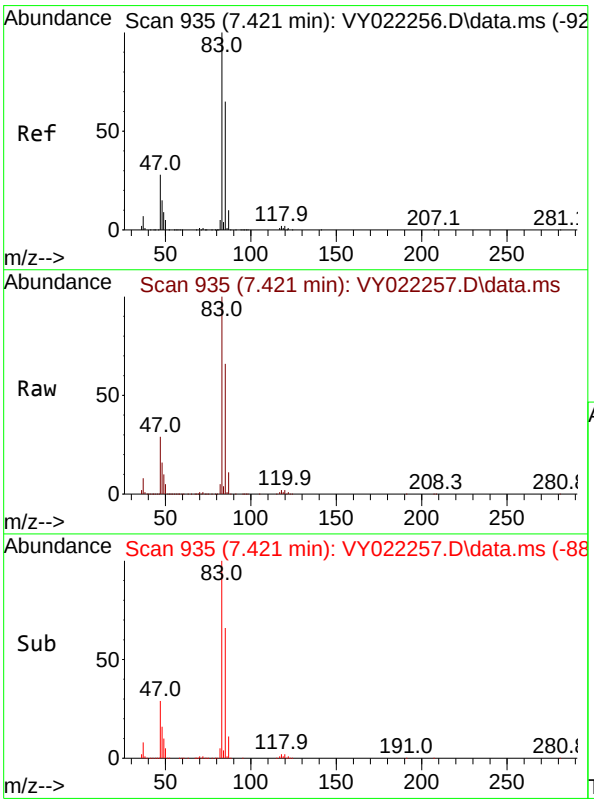
#29
Tetrahydrofuran
Concen: 527.609 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 312286

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.4	31.5	47.3

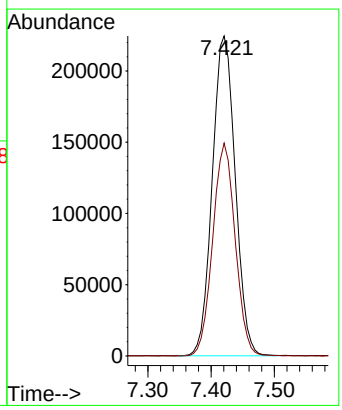


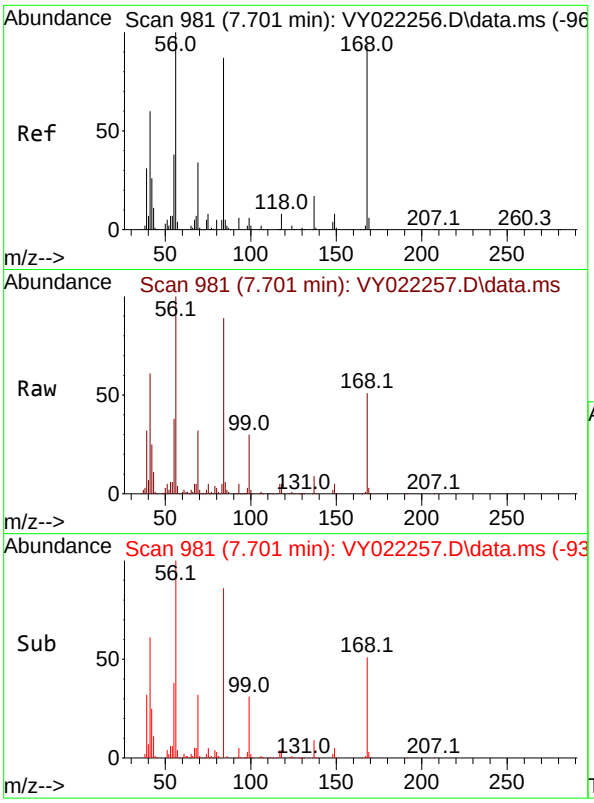


#30
Chloroform
Concen: 99.326 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 565823

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.8	77.8



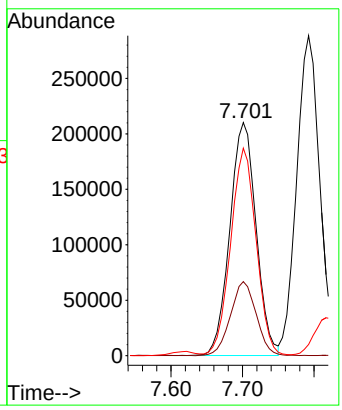


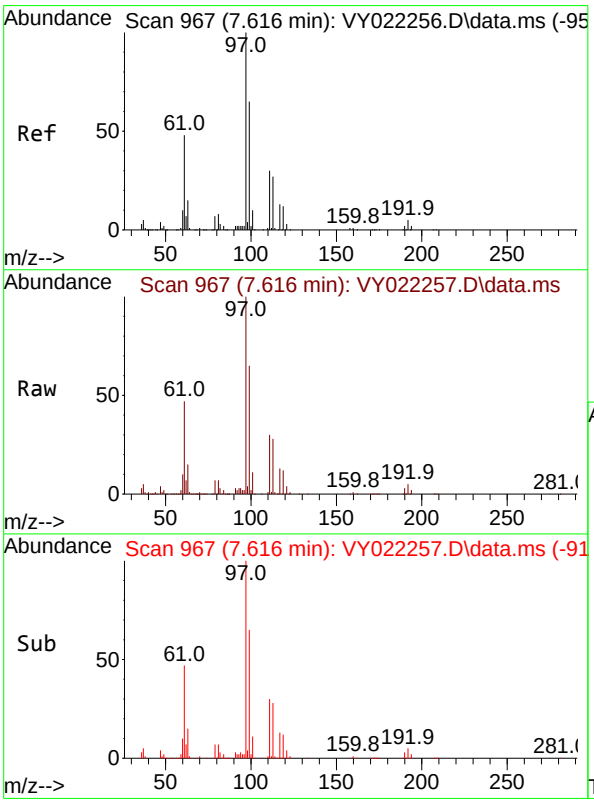
#31
Cyclohexane
Concen: 90.301 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 535839

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.6	70.0	105.0

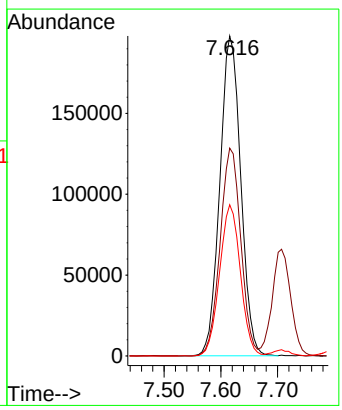


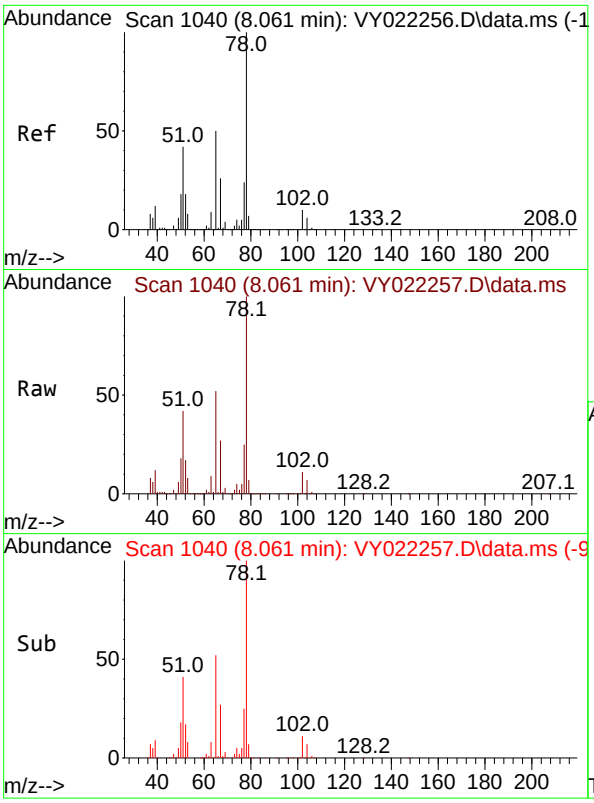


#32
1,1,1-Trichloroethane
Concen: 96.995 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 506927

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	47.1	38.1	57.1



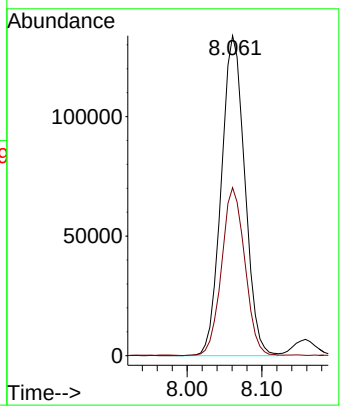


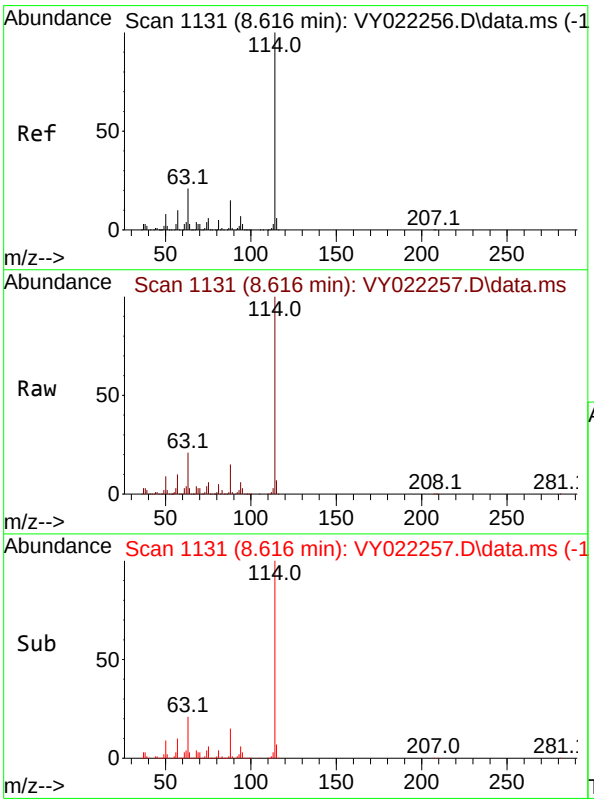
#33
1,2-Dichloroethane-d4
Concen: 99.729 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 292533

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6

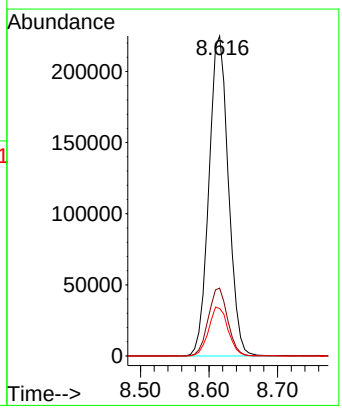


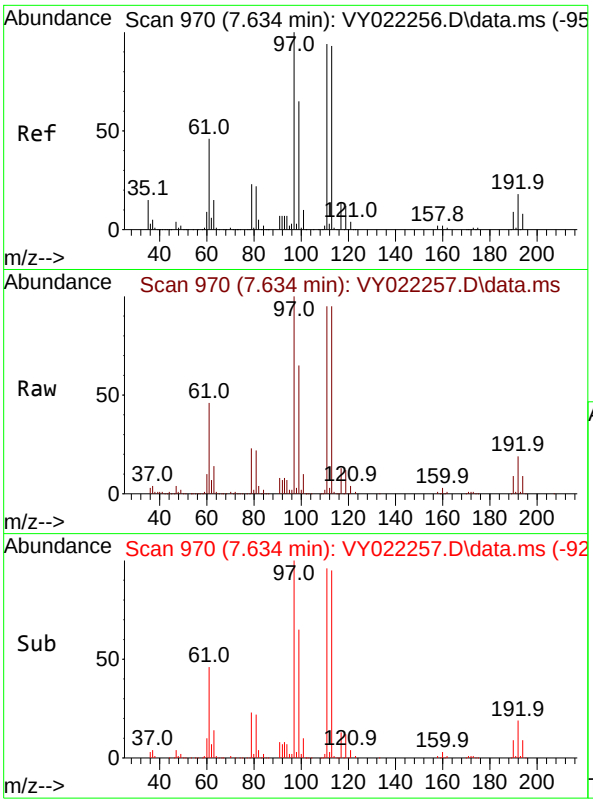


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:114 Resp: 443341

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	14.9	0.0	29.4



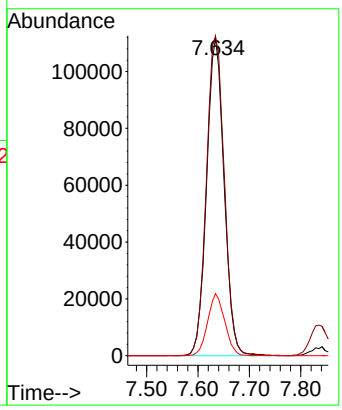


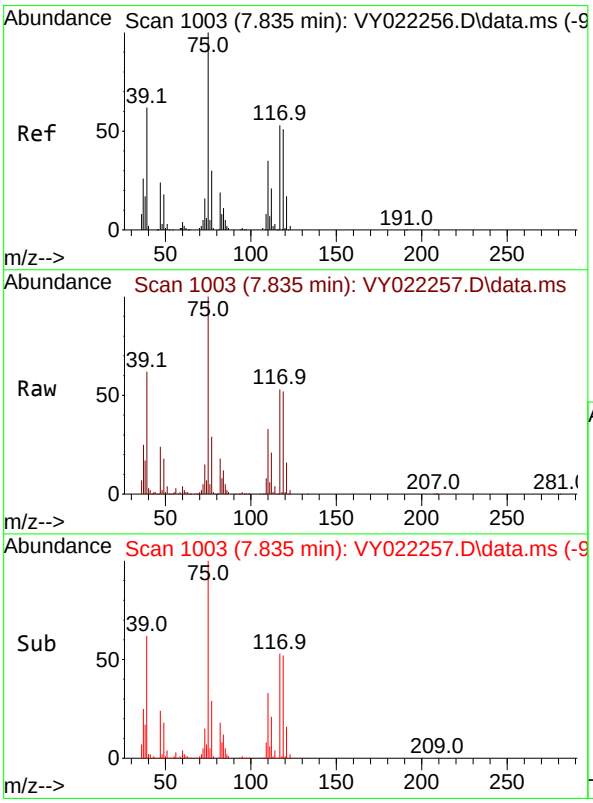
#35
Dibromofluoromethane
Concen: 99.389 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 262995

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	19.2	15.2	22.8

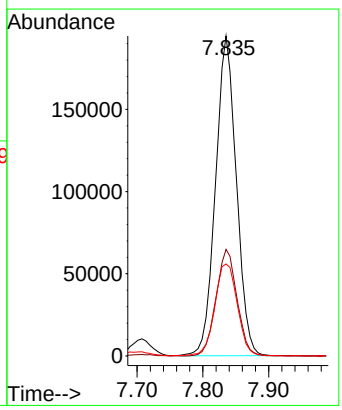


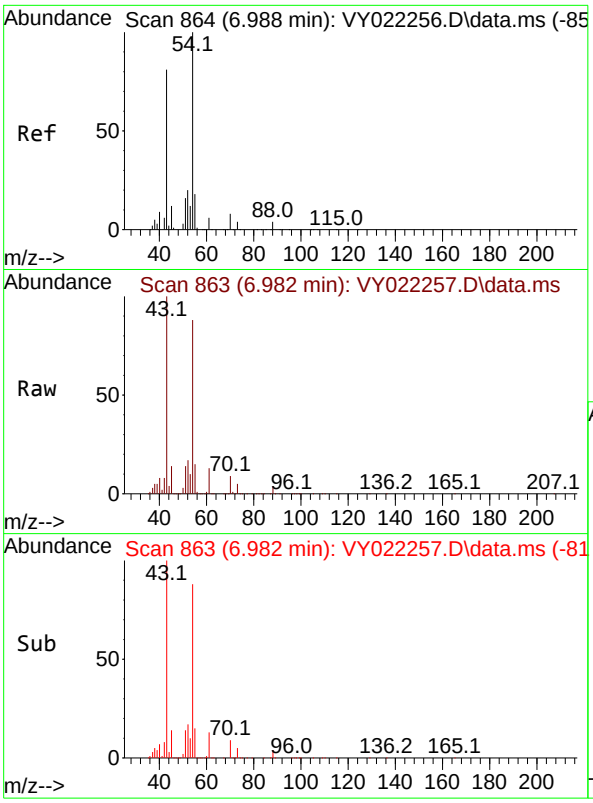


#36
1,1-Dichloropropene
Concen: 98.465 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 429153

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	31.2	24.6	37.0



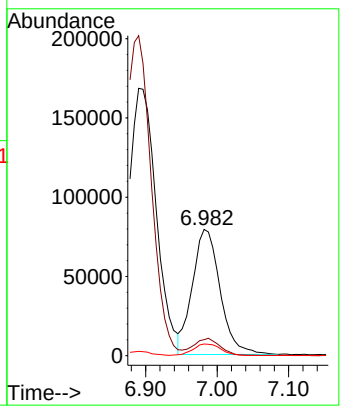


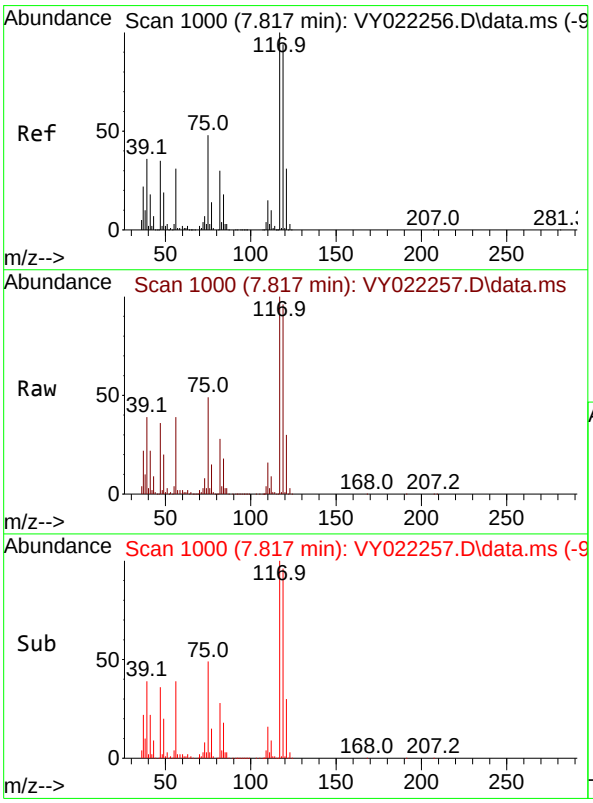
#37
Ethyl Acetate
Concen: 101.642 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 213152

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.1	7.6	11.4

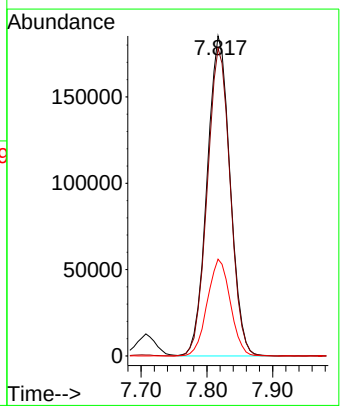


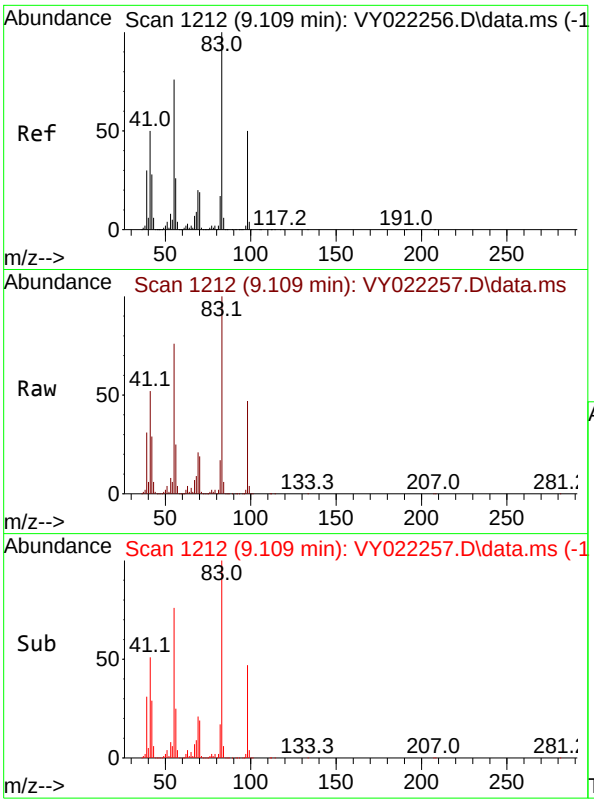


#38
Carbon Tetrachloride
Concen: 100.097 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 451589

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.3	112.9
121	30.3	24.7	37.1



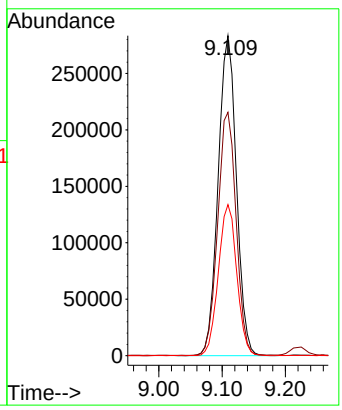


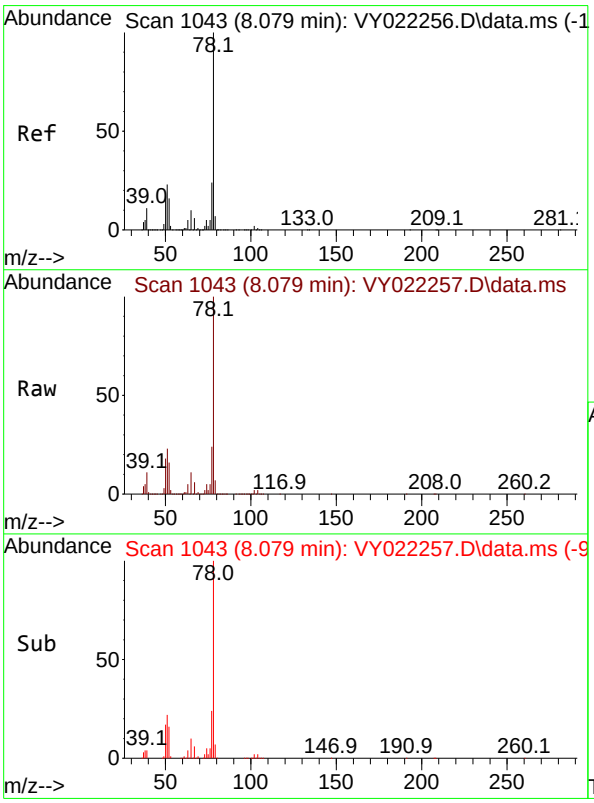
#39
Methylcyclohexane
Concen: 96.704 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 566259

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.6	90.8
98	47.2	40.0	60.0

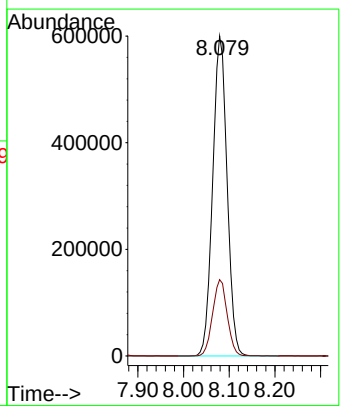


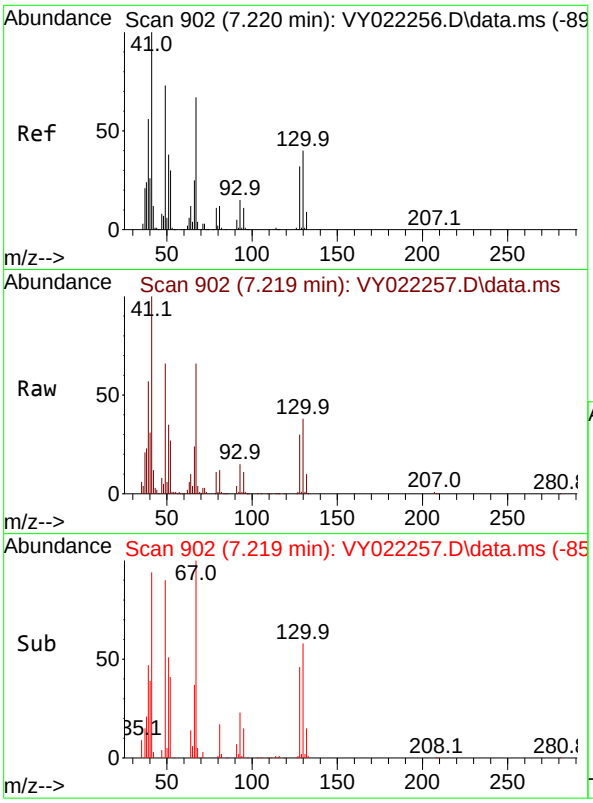


#40
Benzene
Concen: 101.677 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 78 Resp: 1313733

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



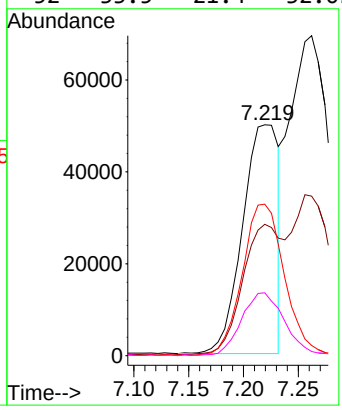


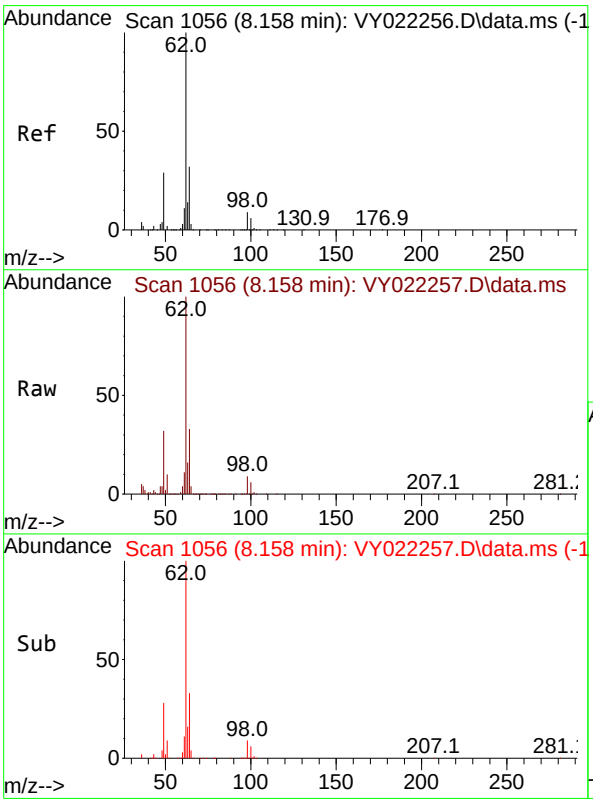
#41
Methacrylonitrile
Concen: 73.960 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 113489

Ion	Ratio	Lower	Upper
41	100		
39	64.3	39.1	58.7#
67	77.7	47.1	70.7#
52	33.5	21.4	32.0#

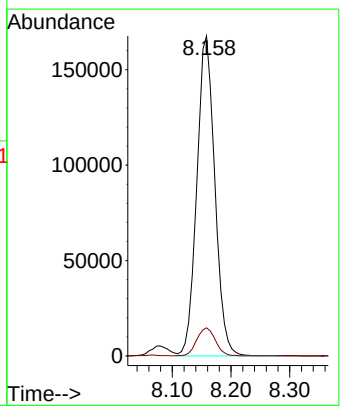


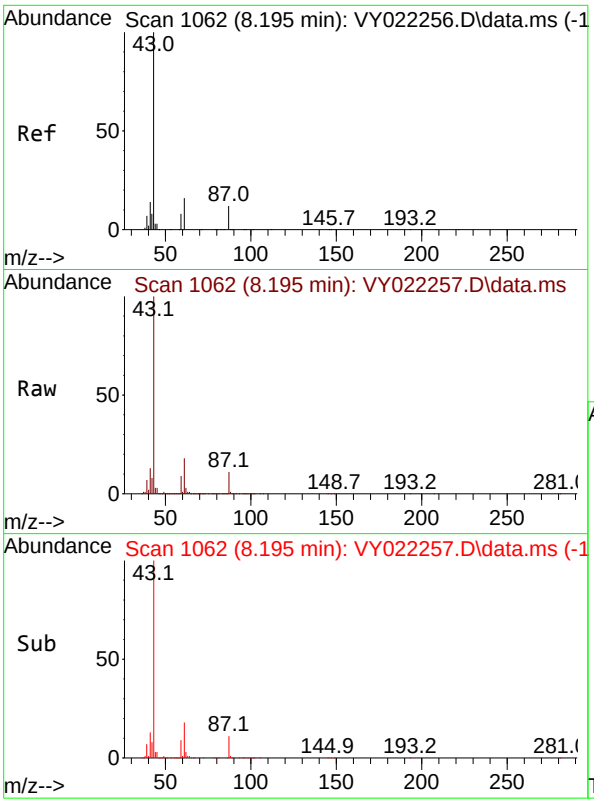


#42
1,2-Dichloroethane
Concen: 102.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 356974

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



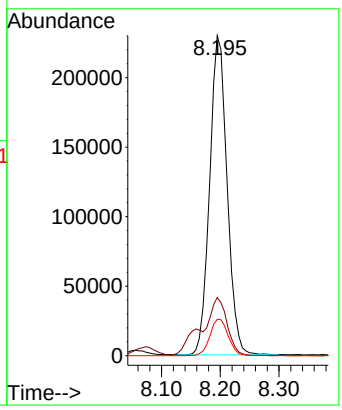


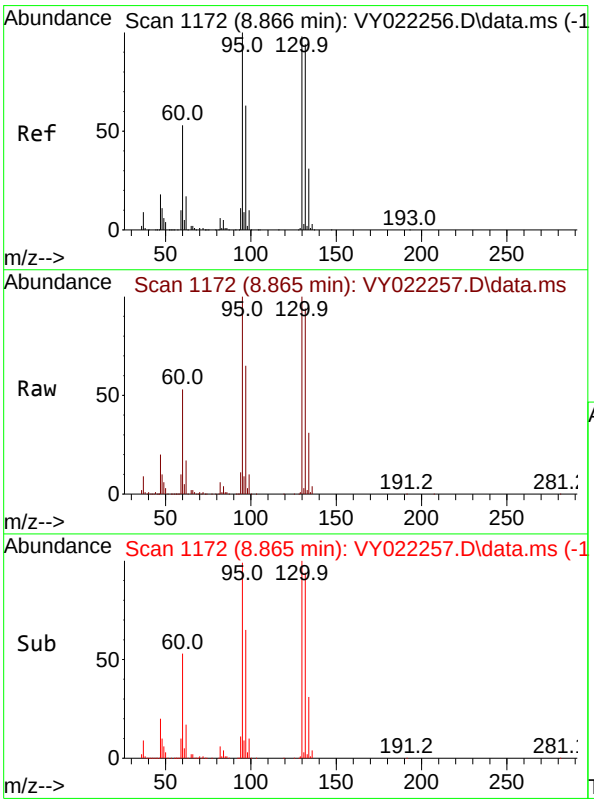
#43
Isopropyl Acetate
Concen: 103.517 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 473430

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	12.0	9.7	14.5

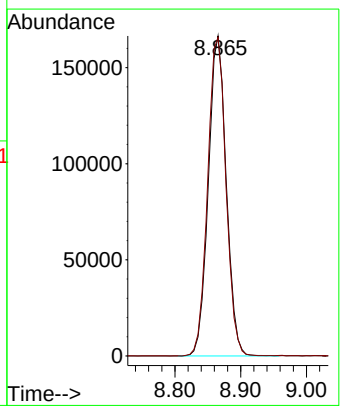


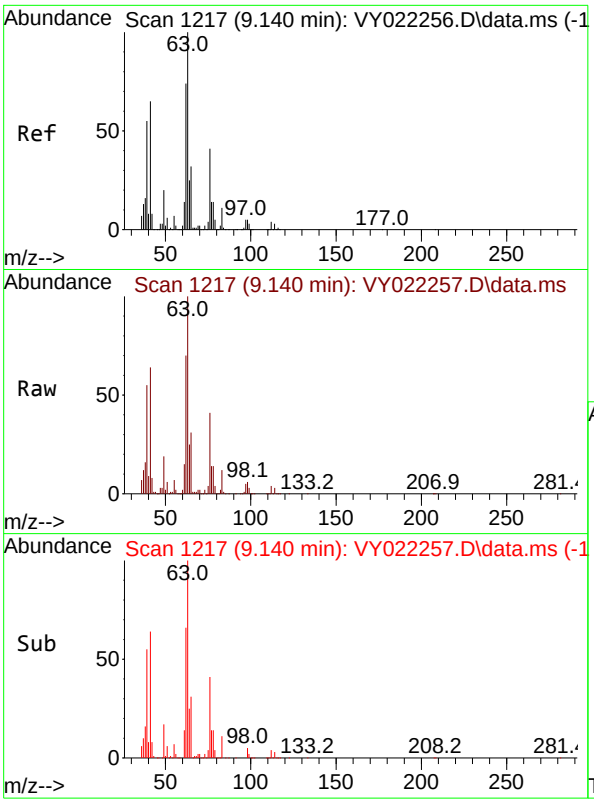


#44
Trichloroethene
Concen: 98.218 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:130 Resp: 315543

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	204.8



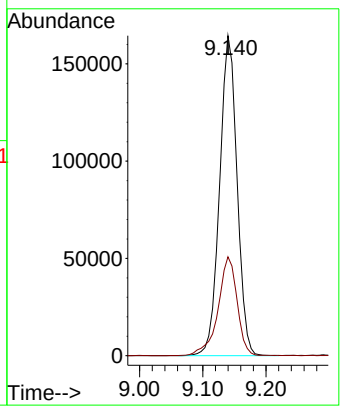


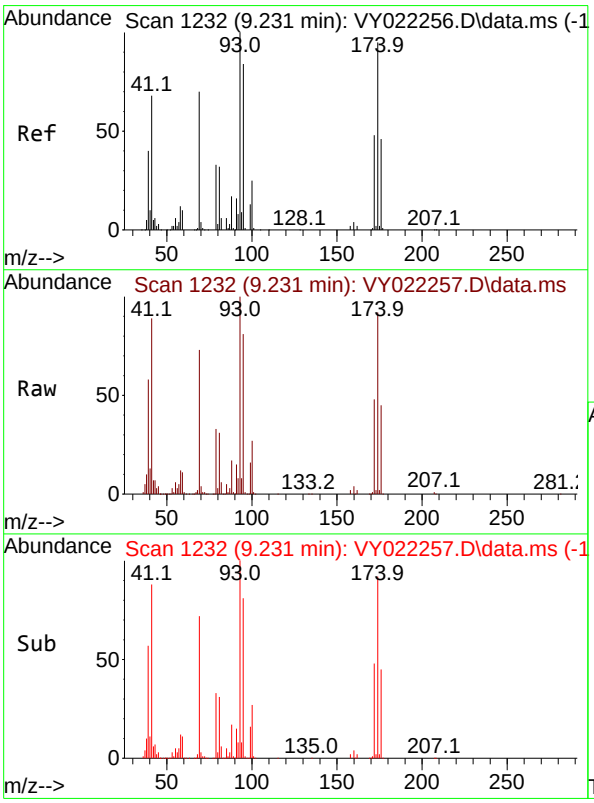
#45
1,2-Dichloropropane
Concen: 100.858 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 314179

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.7	38.5

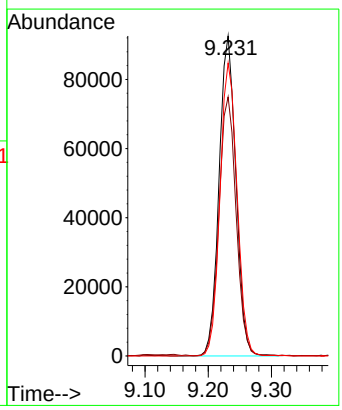


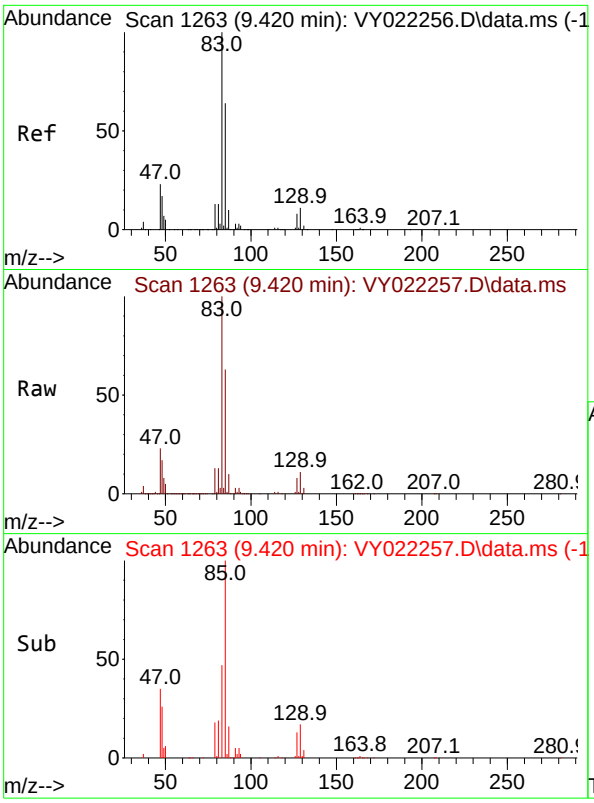


#46
Dibromomethane
Concen: 101.606 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 93 Resp: 170712

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.2	97.8
174	92.9	74.3	111.5



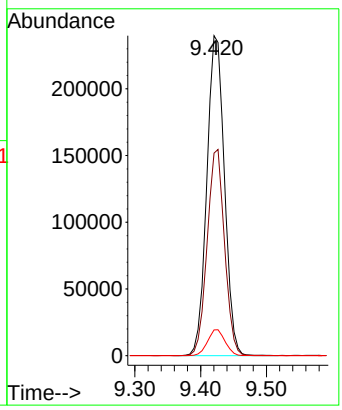


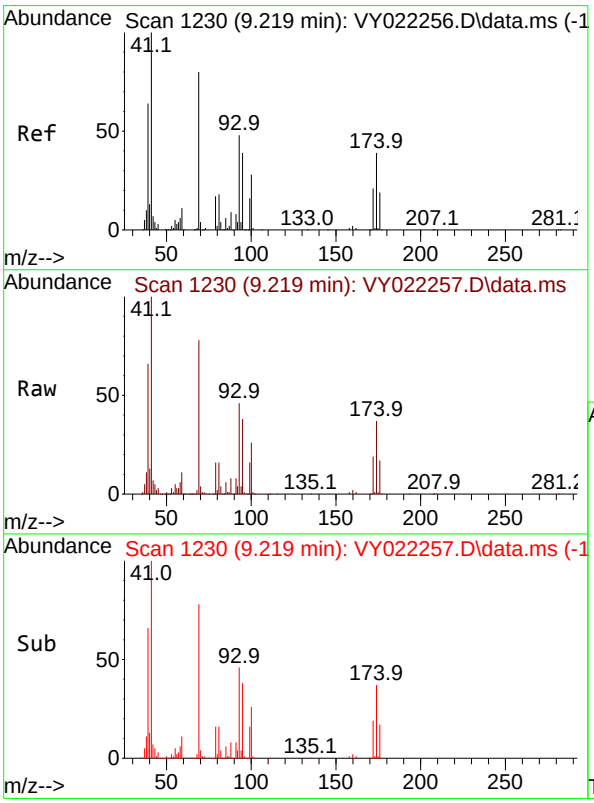
#47
Bromodichloromethane
Concen: 102.514 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 446829

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.0	6.6	10.0

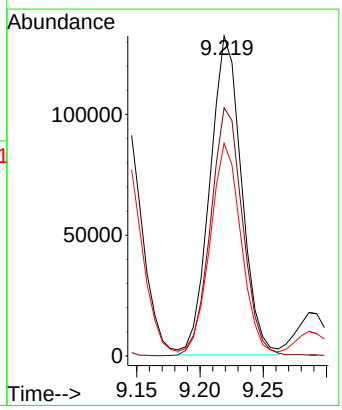


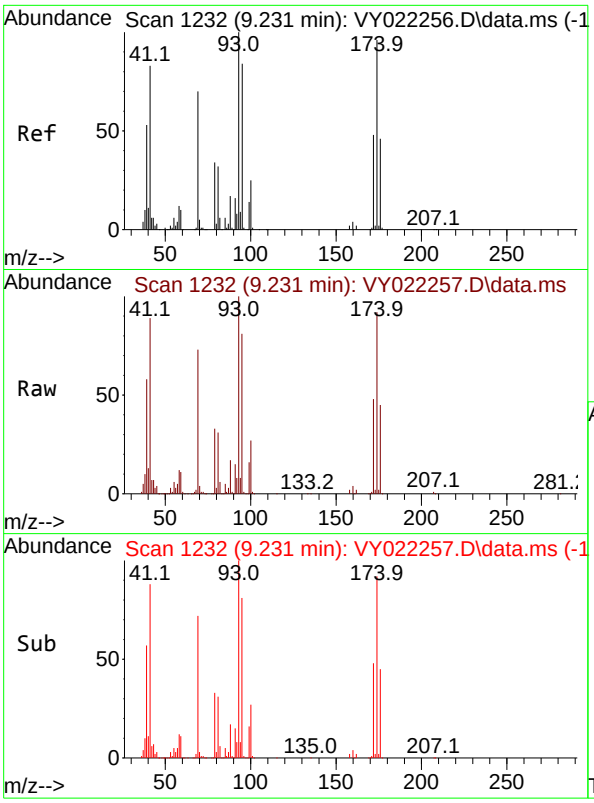


#48
Methyl methacrylate
Concen: 107.308 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 229512

Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.5	95.3
39	63.5	50.8	76.2



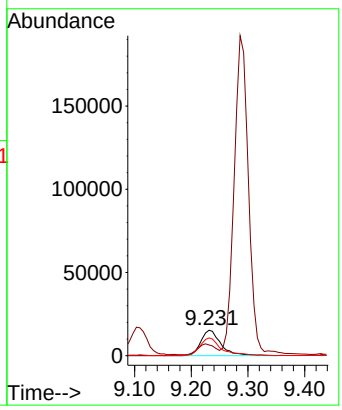


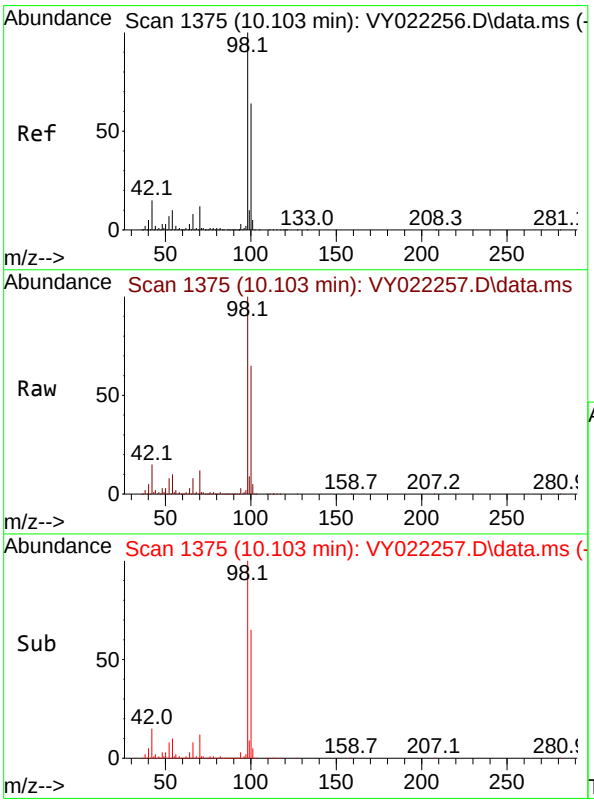
#49
1,4-Dioxane
Concen: 1990.455 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 37780

Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.5	42.7
58	75.0	61.4	92.2

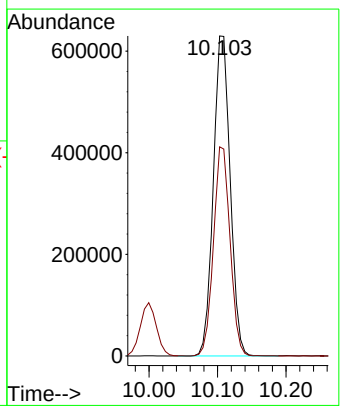


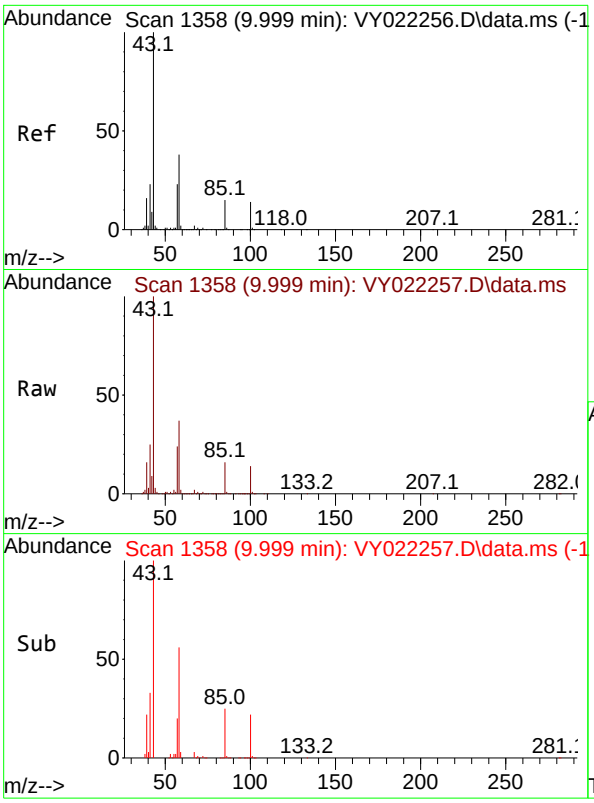


#50
Toluene-d8
Concen: 99.289 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 98 Resp: 1076035

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8



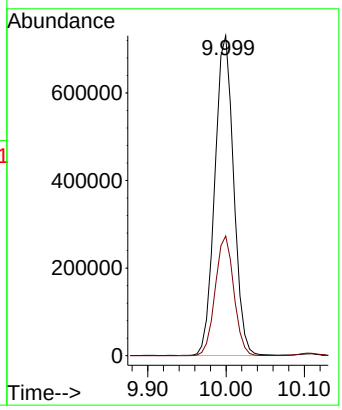


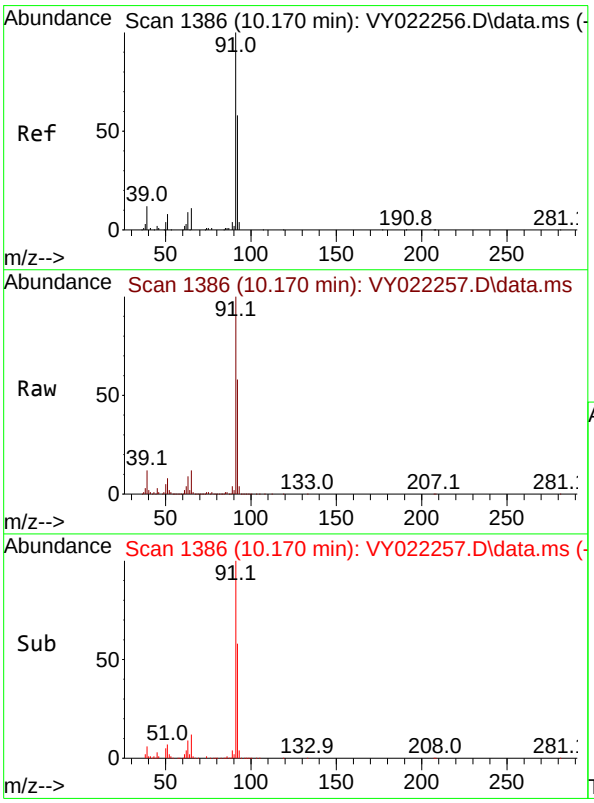
#51
4-Methyl-2-Pentanone
Concen: 543.068 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1218685

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2

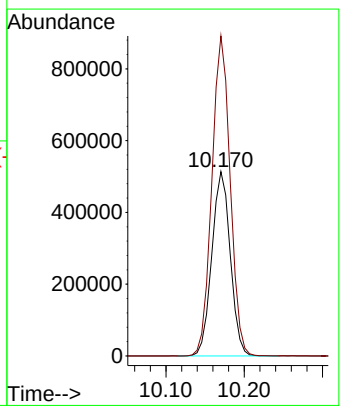


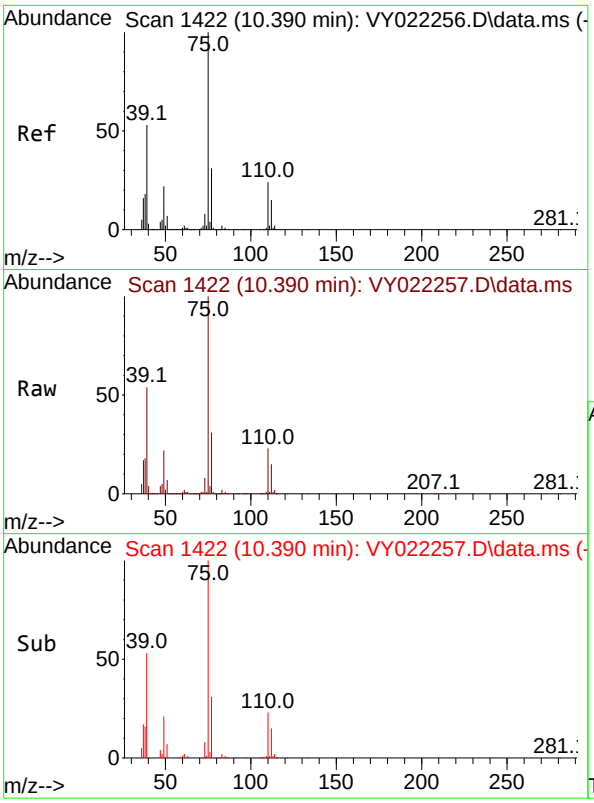


#52
Toluene
Concen: 102.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 92 Resp: 839400

Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.1	208.7



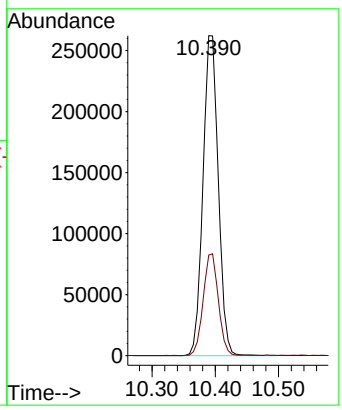


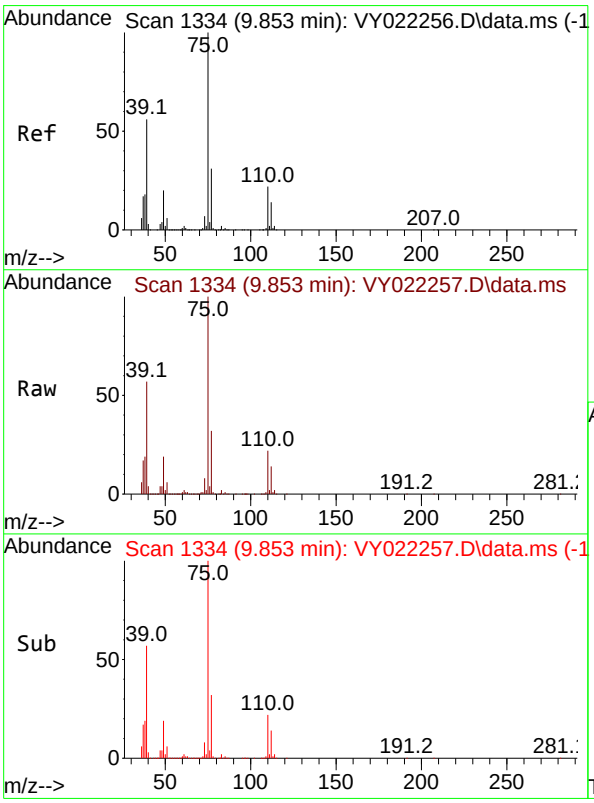
#53
t-1,3-Dichloropropene
Concen: 103.832 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 441672

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

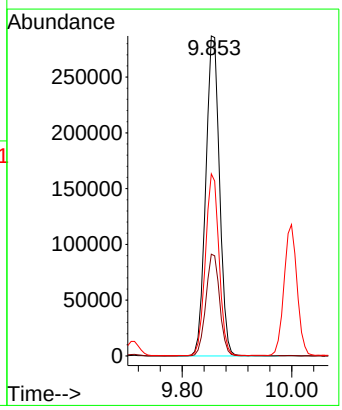


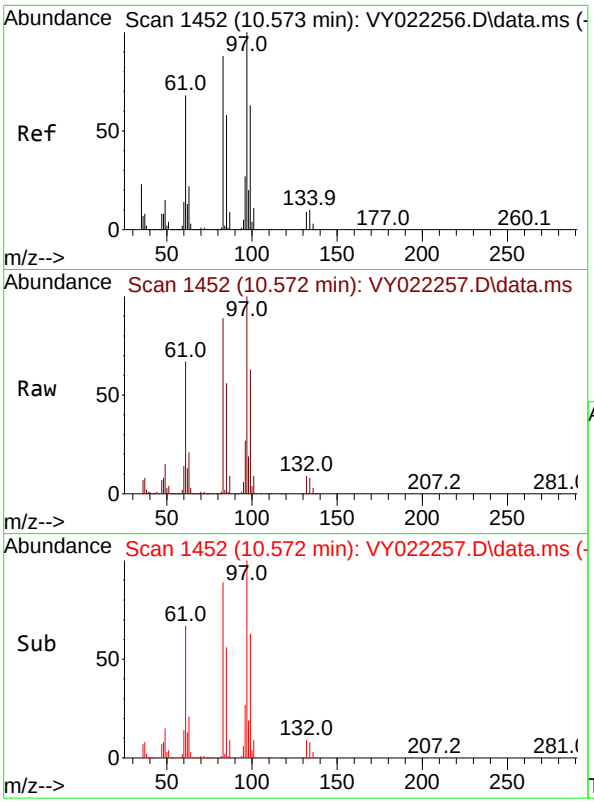


#54
cis-1,3-Dichloropropene
Concen: 102.190 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 498023

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.8	44.5	66.7



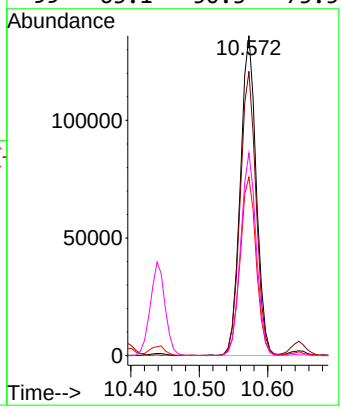


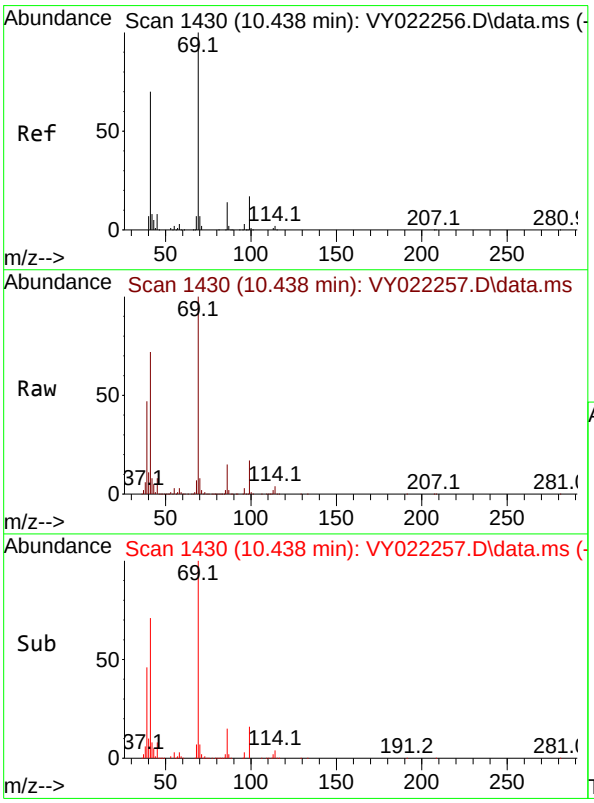
#55
1,1,2-Trichloroethane
Concen: 102.005 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 219460

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.3	105.5
85	55.8	46.2	69.4
99	63.1	50.3	75.5

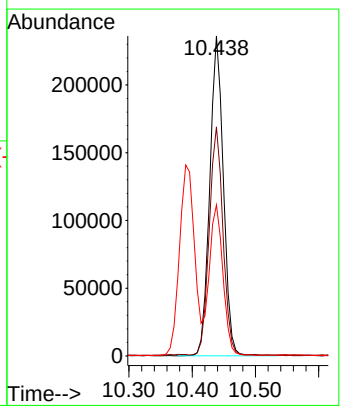


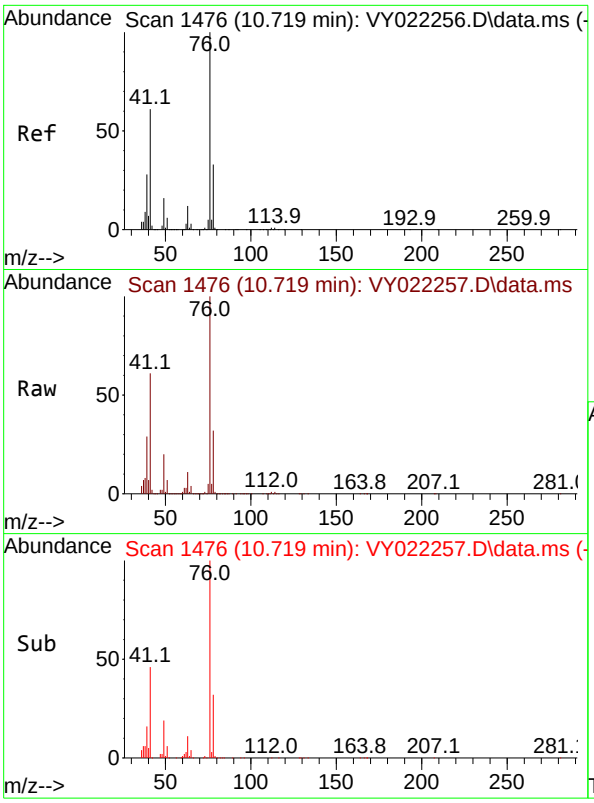


#56
Ethyl methacrylate
Concen: 105.335 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 69 Resp: 353013

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.5	84.7
39	47.7	37.1	55.7



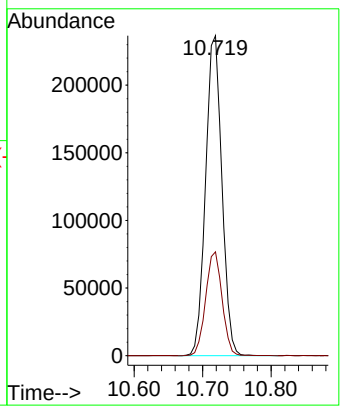


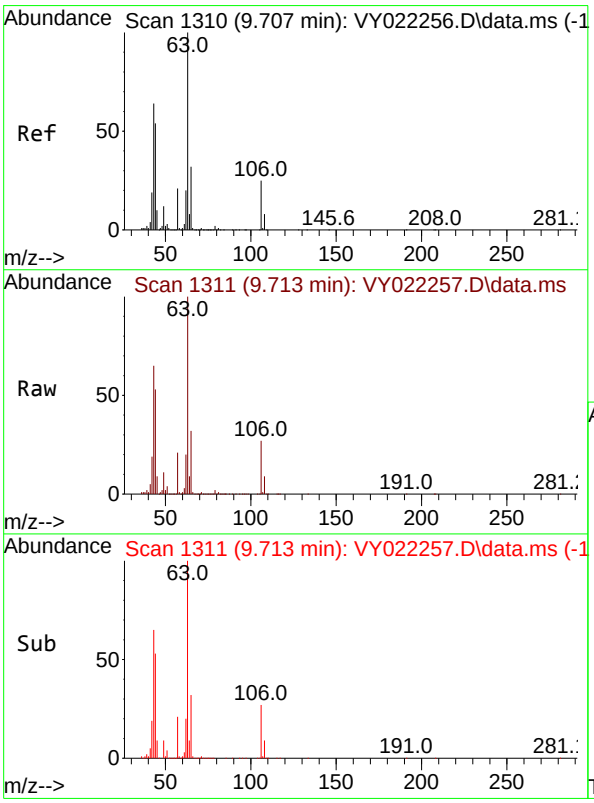
#57
1,3-Dichloropropane
Concen: 102.420 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 391514

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

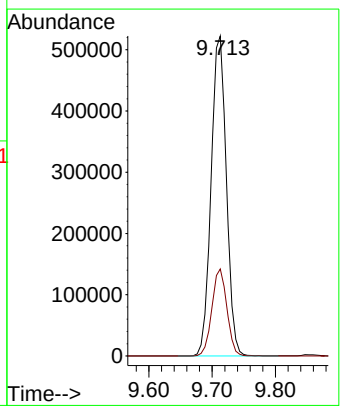


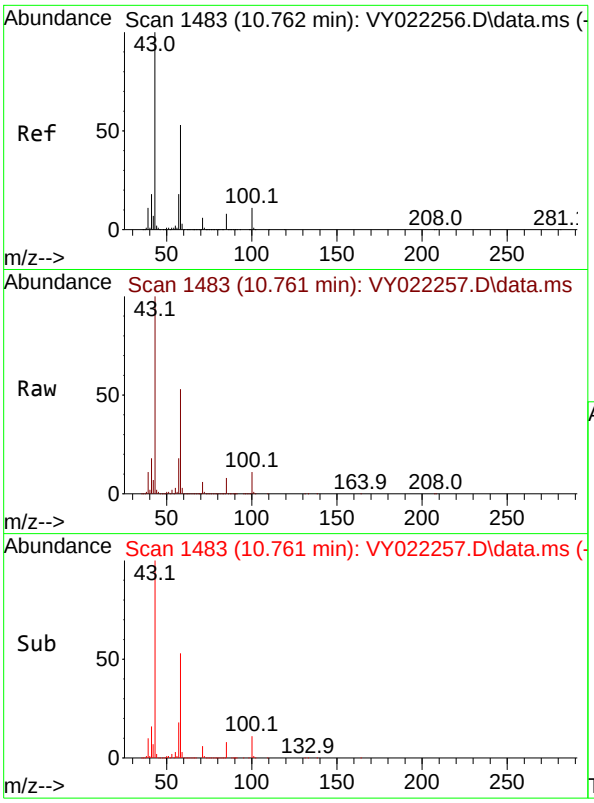


#58
2-Chloroethyl Vinyl ether
Concen: 580.295 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 872907

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.4



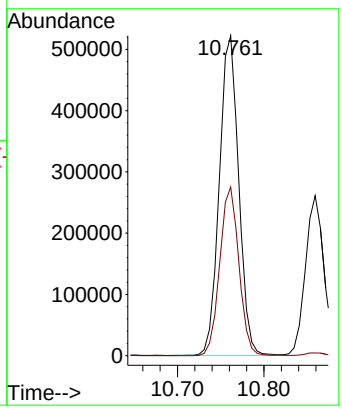


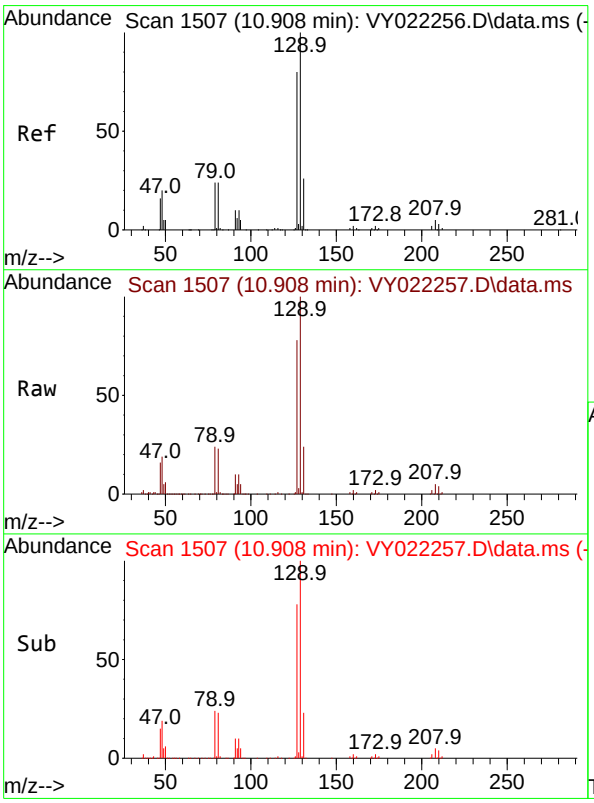
#59
2-Hexanone
Concen: 537.872 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 809288

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3

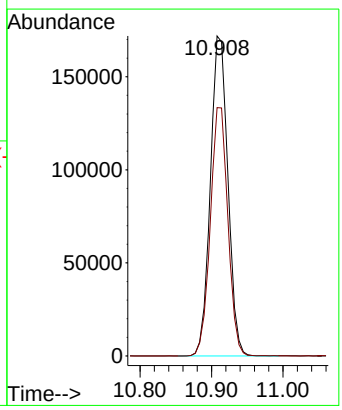


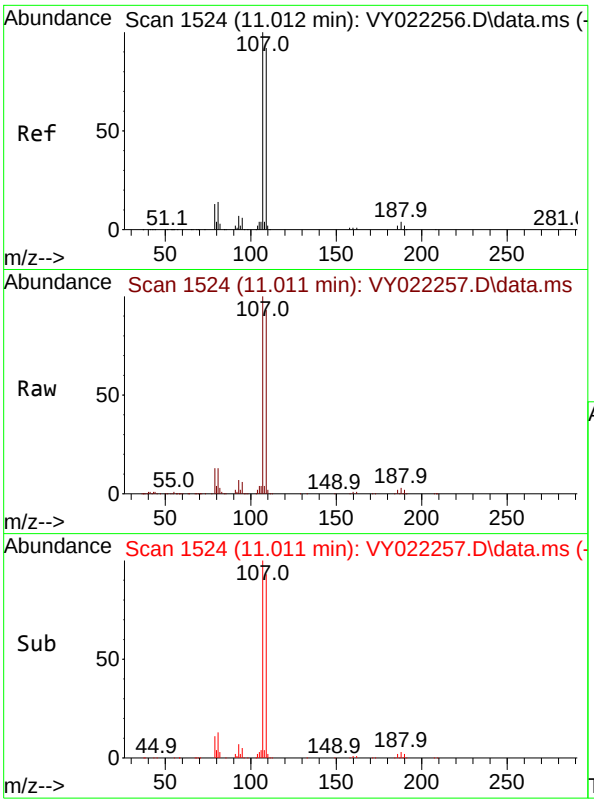


#60
Dibromochloromethane
Concen: 104.616 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:129 Resp: 292143

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7



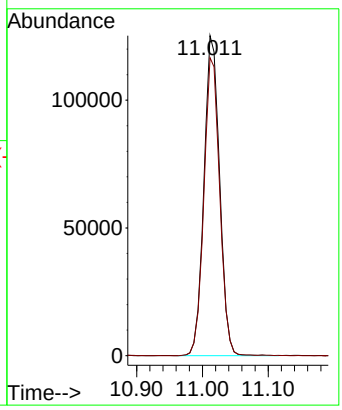


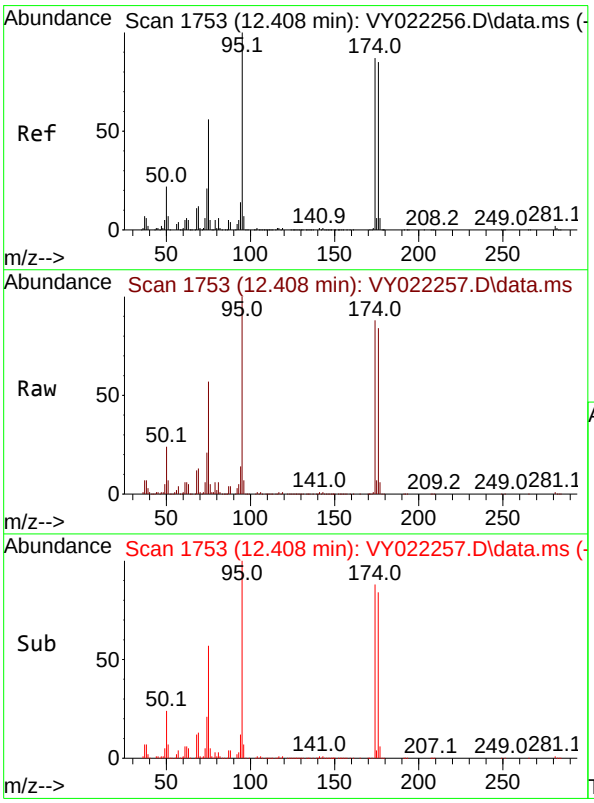
#61
1,2-Dibromoethane
Concen: 103.362 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 207266

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	111.8

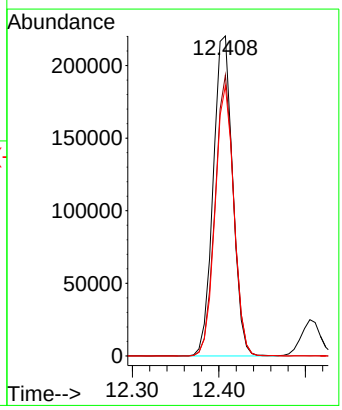


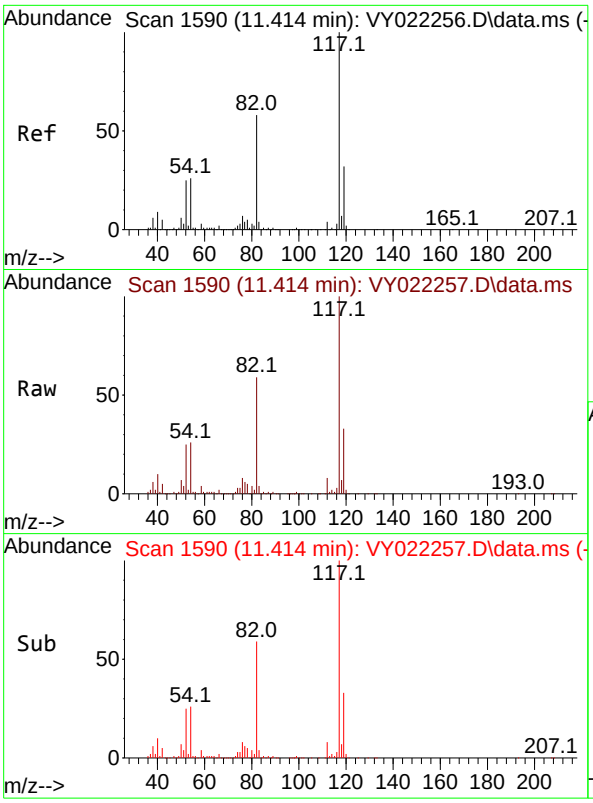


#62
4-Bromofluorobenzene
Concen: 99.968 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 95 Resp: 343397

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	166.8
176	81.7	0.0	160.8



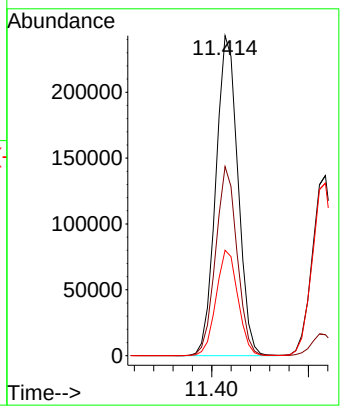


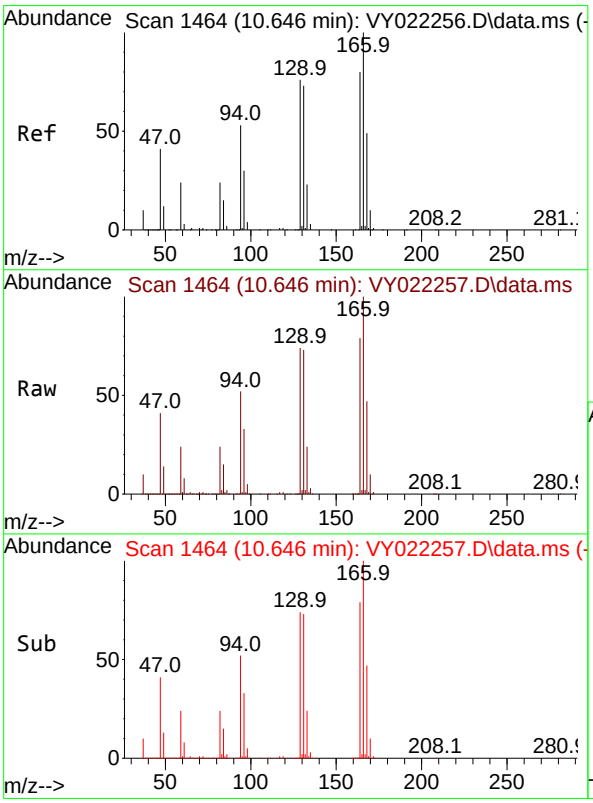
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 385348

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.6	70.0
119	33.0	25.8	38.6

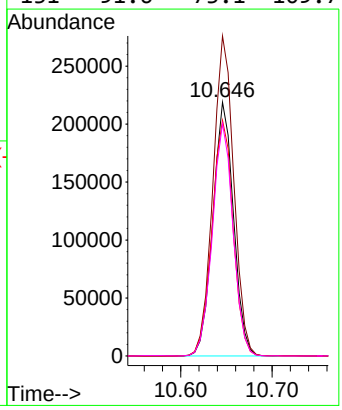


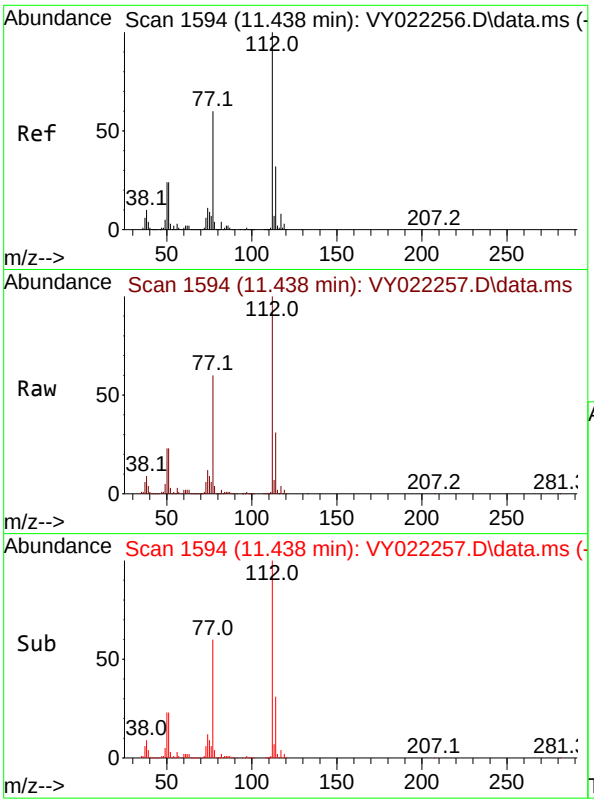


#64
Tetrachloroethene
Concen: 96.489 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:164 Resp: 343677

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	92.9	76.4	114.6
131	91.6	73.1	109.7



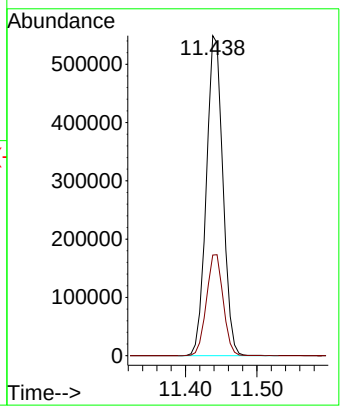


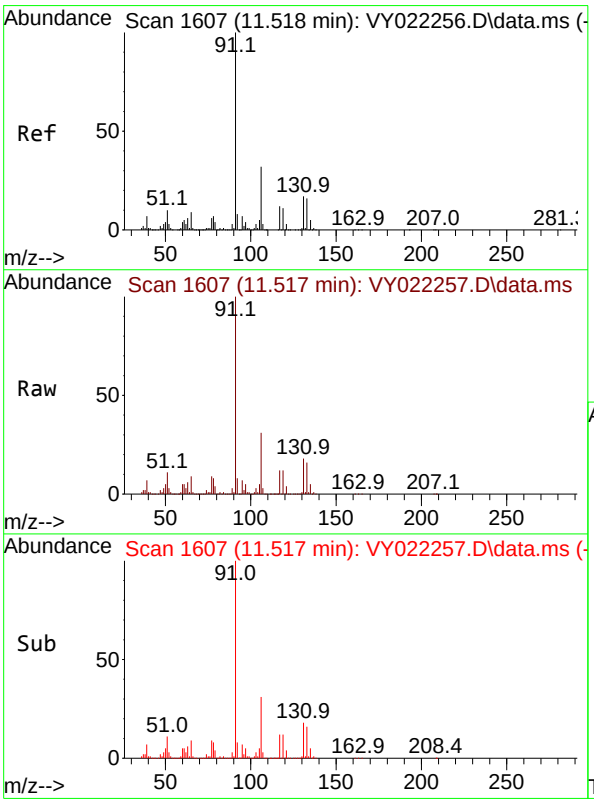
#65
Chlorobenzene
Concen: 101.346 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 881086

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6

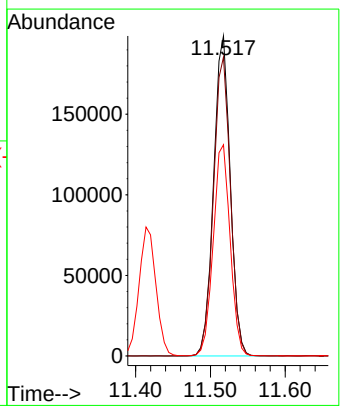


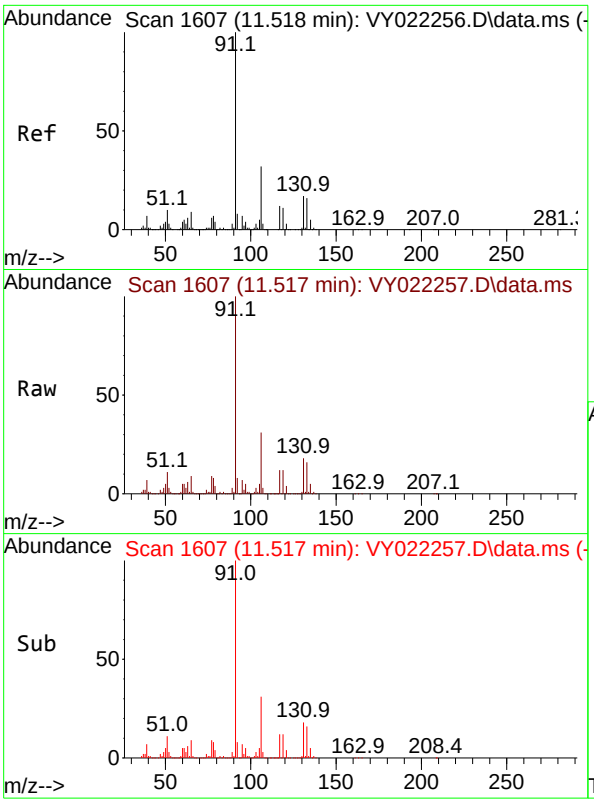


#66
1,1,1,2-Tetrachloroethane
Concen: 103.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:131 Resp: 307866

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	67.2	33.1	99.2



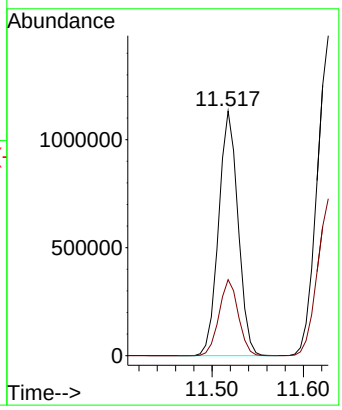


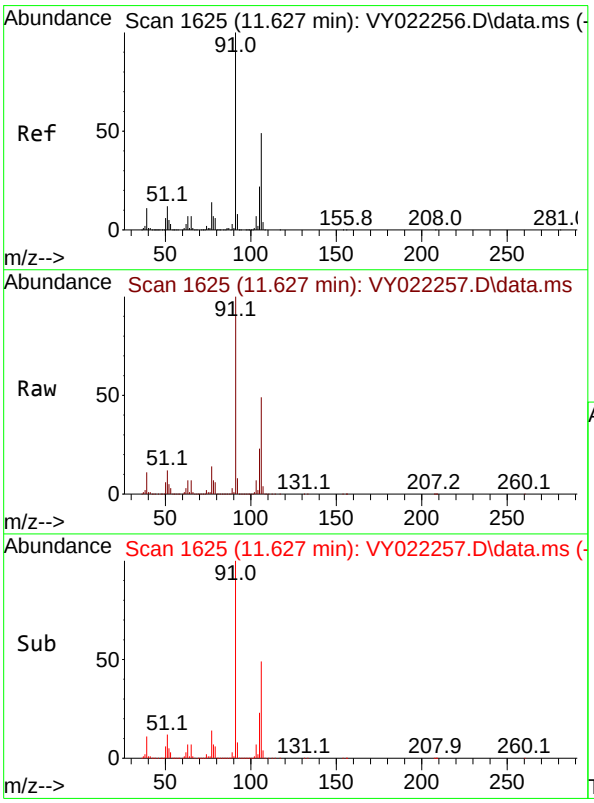
#67
Ethyl Benzene
Concen: 102.836 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1674355

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.0

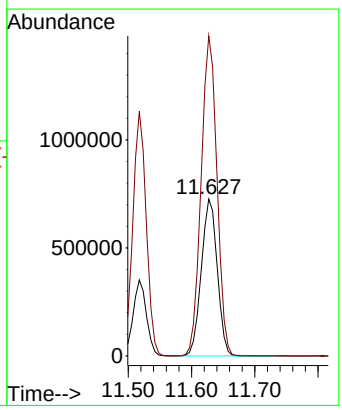


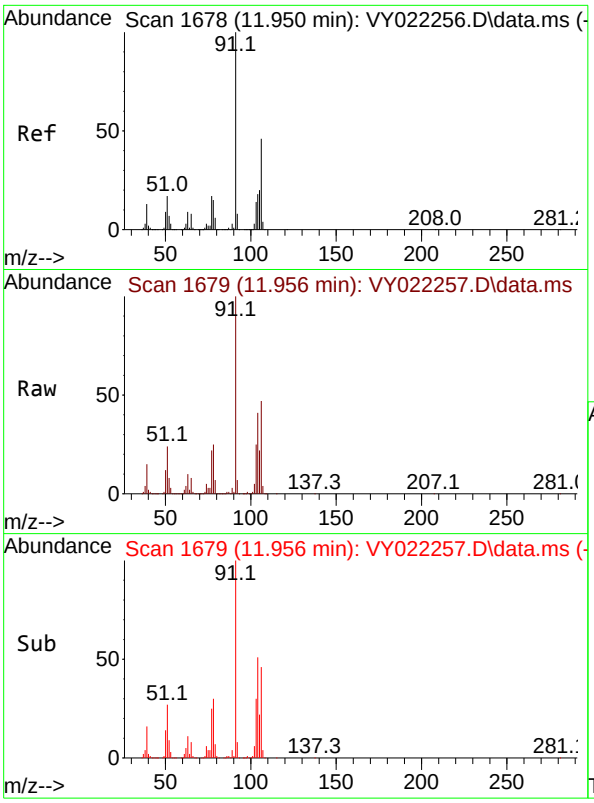


#68
m/p-Xylenes
Concen: 207.213 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:106 Resp: 1271299

Ion	Ratio	Lower	Upper
106	100		
91	203.2	163.0	244.4



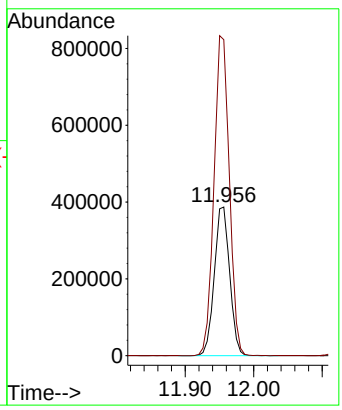


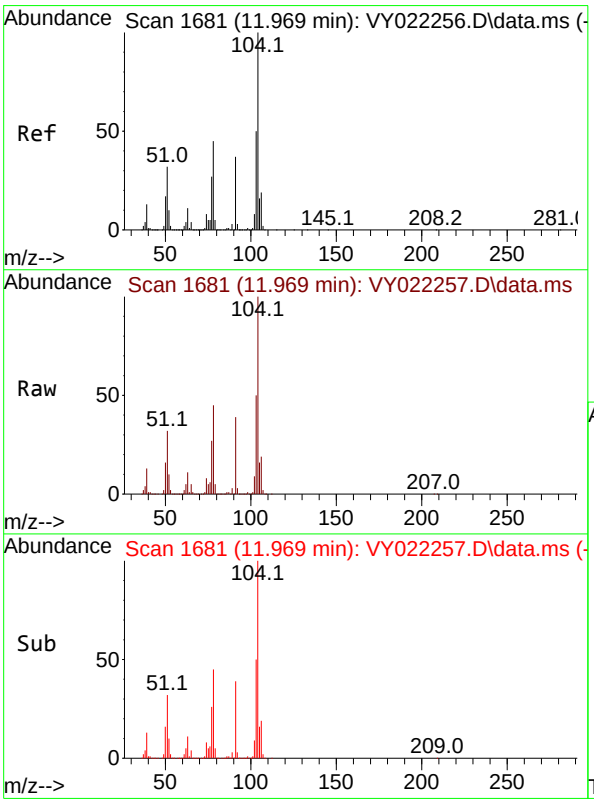
#69
o-Xylene
Concen: 103.777 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 602390

Ion	Ratio	Lower	Upper
106	100		
91	214.7	108.3	324.8

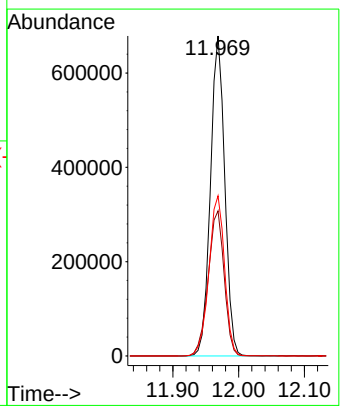


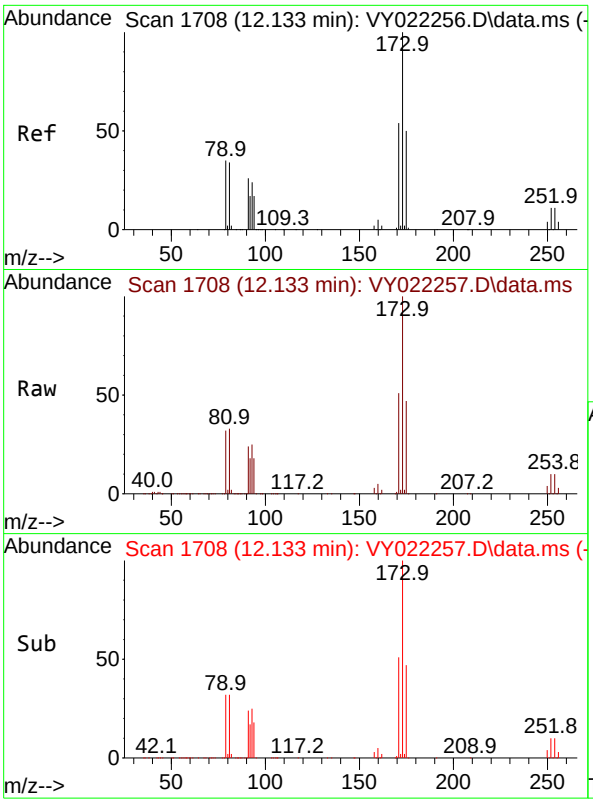


#70
Styrene
Concen: 105.038 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:104 Resp: 1028498

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.9	61.3
103	54.7	43.7	65.5



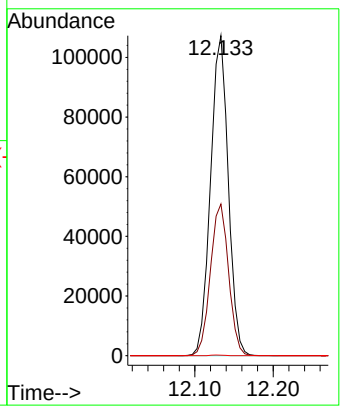


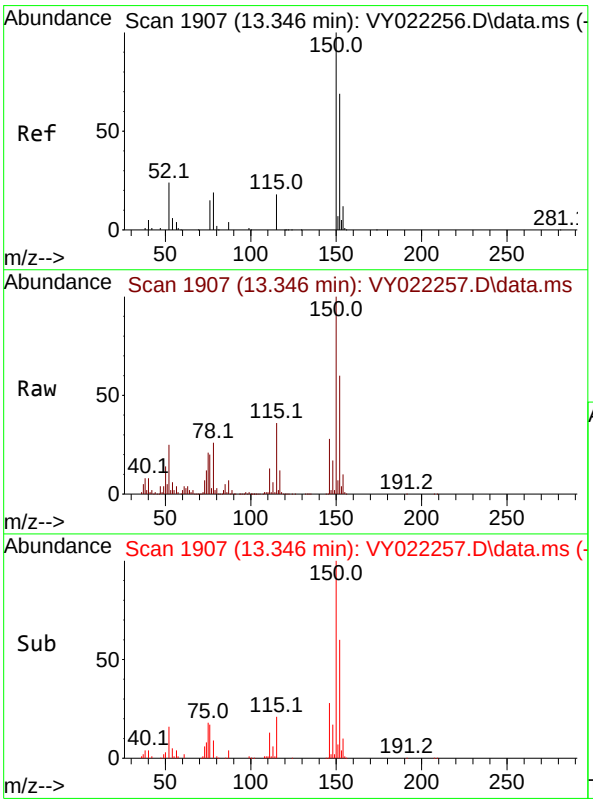
#71
Bromoform
Concen: 104.561 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 168679

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.1	0.0	0.0#

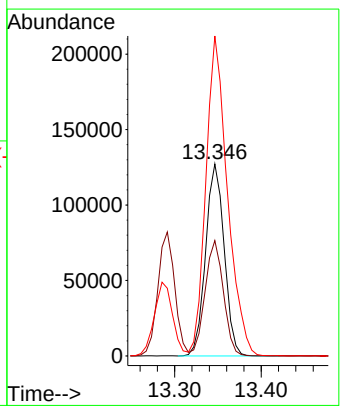


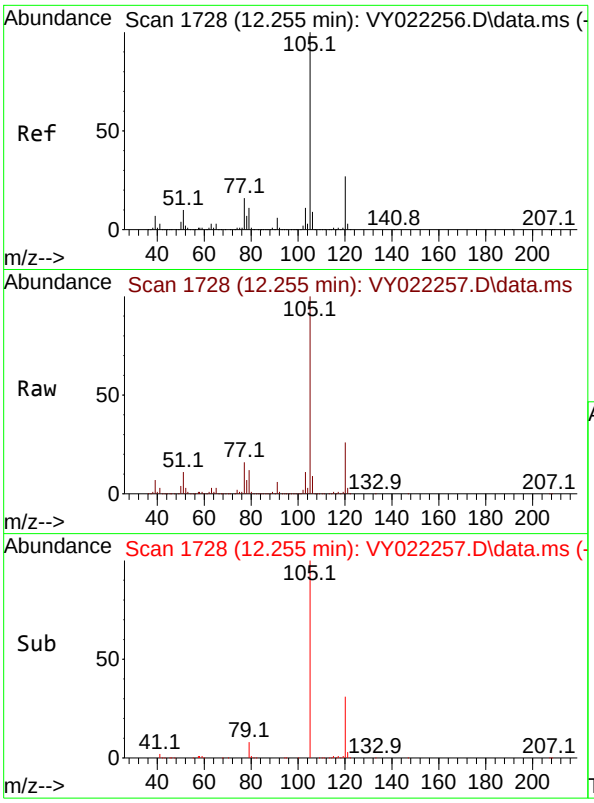


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:152 Resp: 189780

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	193.1	0.0	353.8



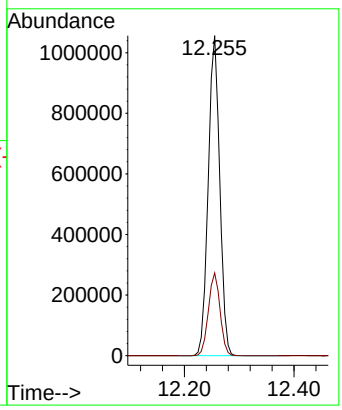


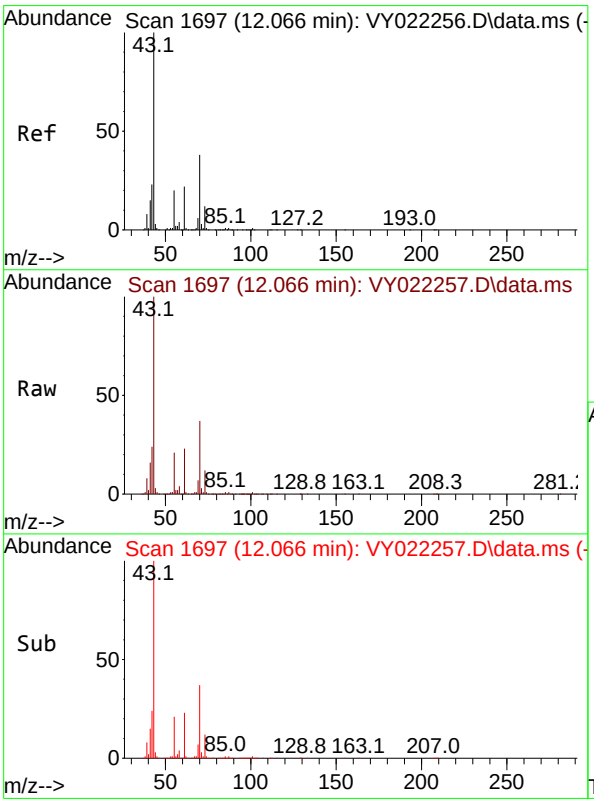
#73
Isopropylbenzene
Concen: 97.241 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1528857

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

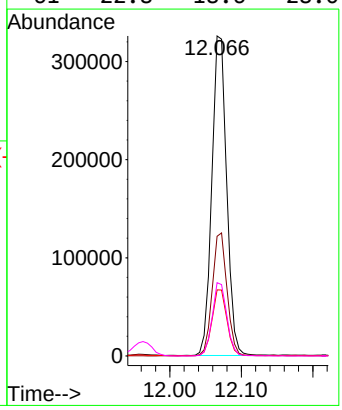


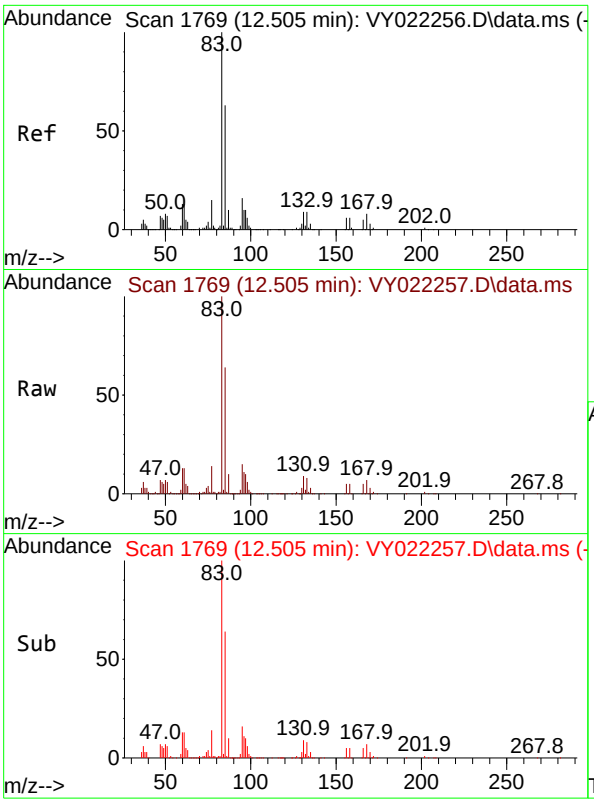


#74
N-amyl acetate
Concen: 104.235 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 468707

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.4	47.0
55	20.8	17.0	25.6
61	22.8	18.6	28.0



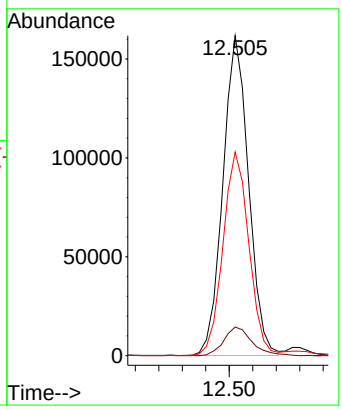


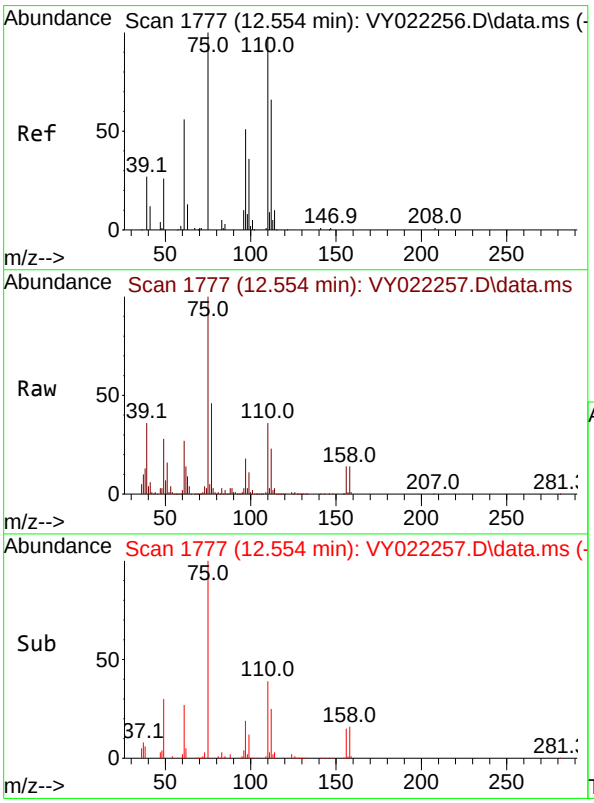
#75
1,1,2,2-Tetrachloroethane
Concen: 101.255 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 244830

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.4	32.0	96.0

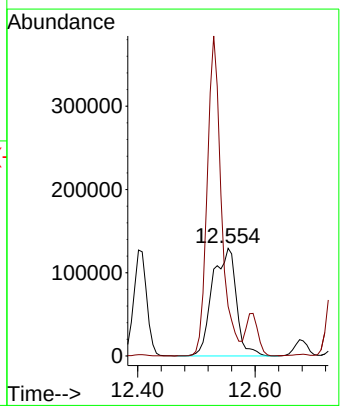


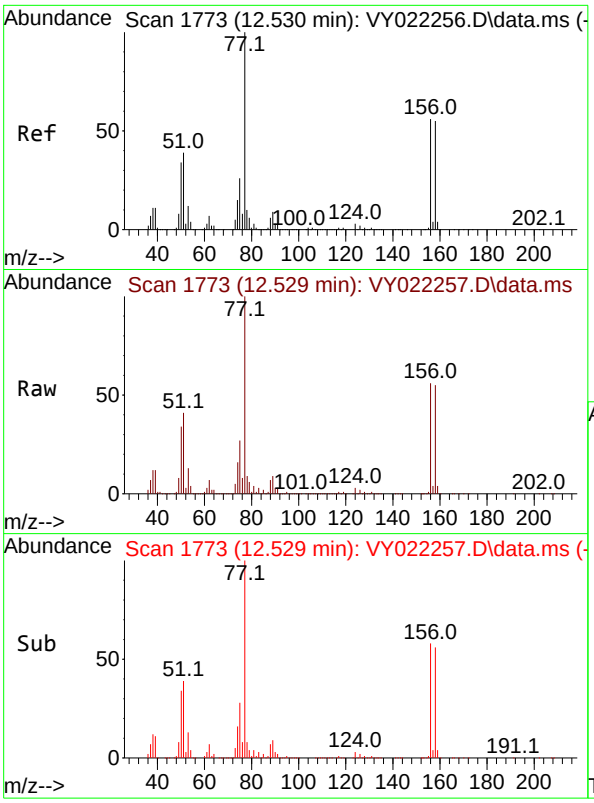


#76
1,2,3-Trichloropropane
Concen: 108.654 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 363417

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



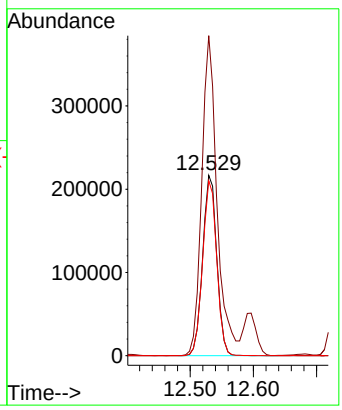


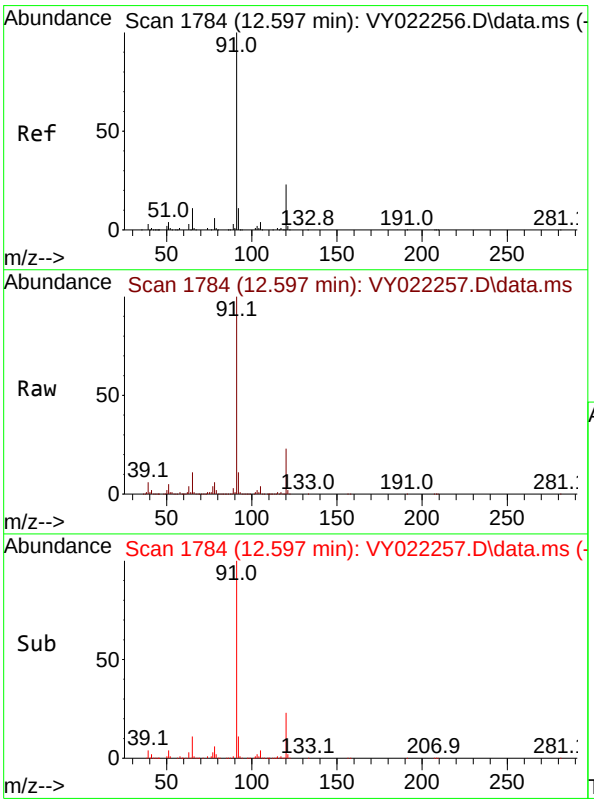
#77
Bromobenzene
Concen: 100.456 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 337329

Ion	Ratio	Lower	Upper
156	100		
77	190.3	94.5	283.6
158	96.8	48.4	145.3

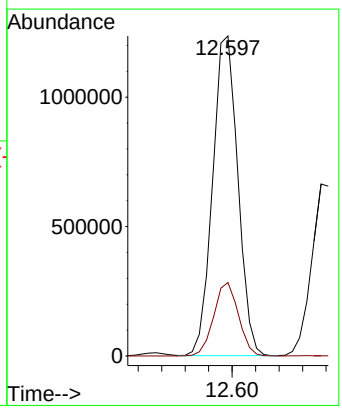


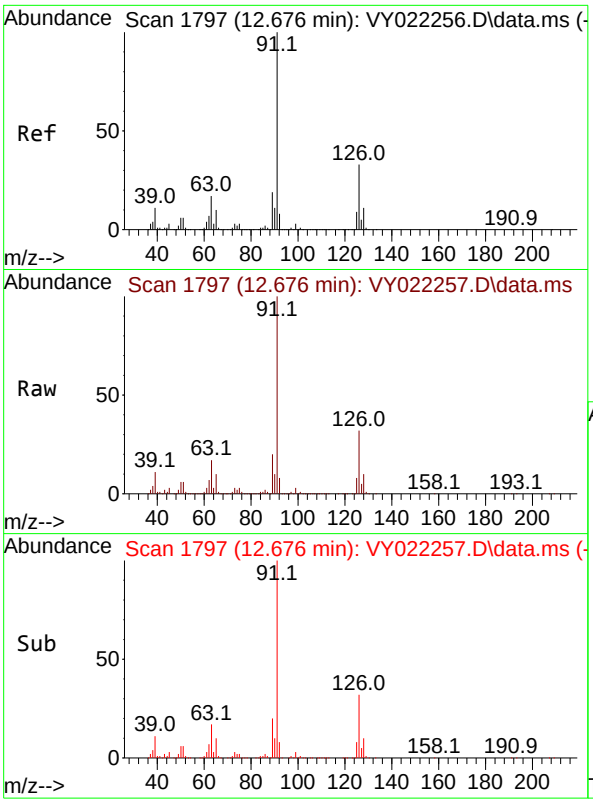


#78
n-propylbenzene
Concen: 97.365 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1846449

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3



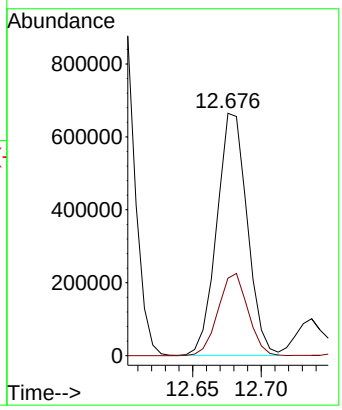


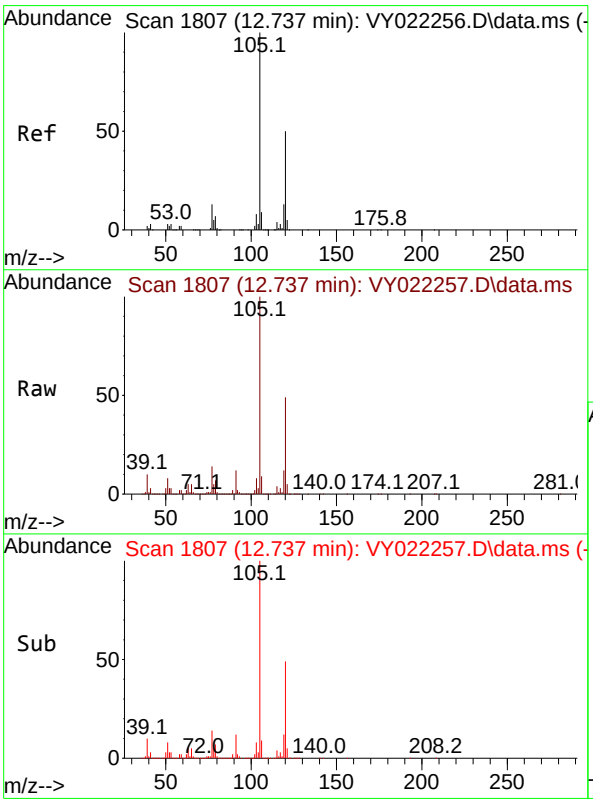
#79
2-Chlorotoluene
Concen: 98.488 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1026401

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

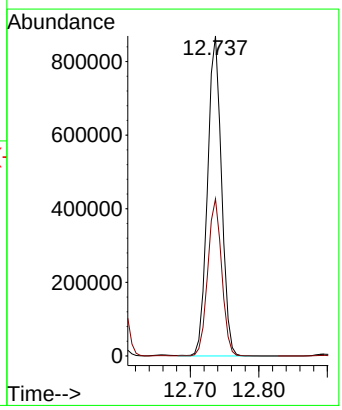


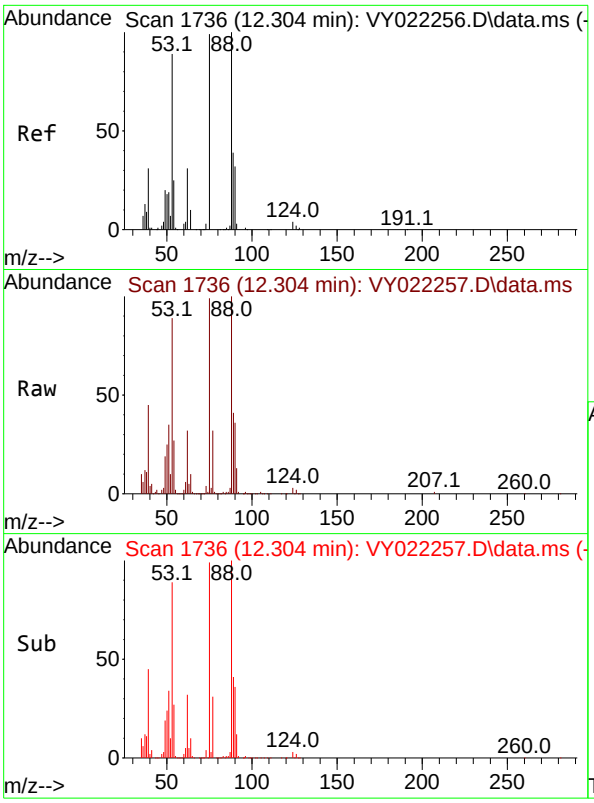


#80
1,3,5-Trimethylbenzene
Concen: 97.216 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1233838

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6



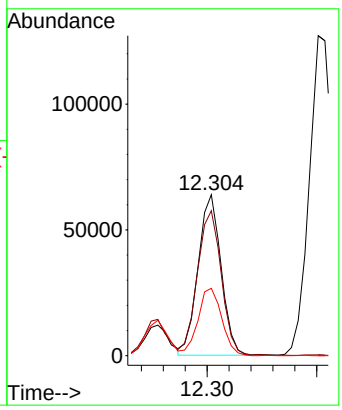


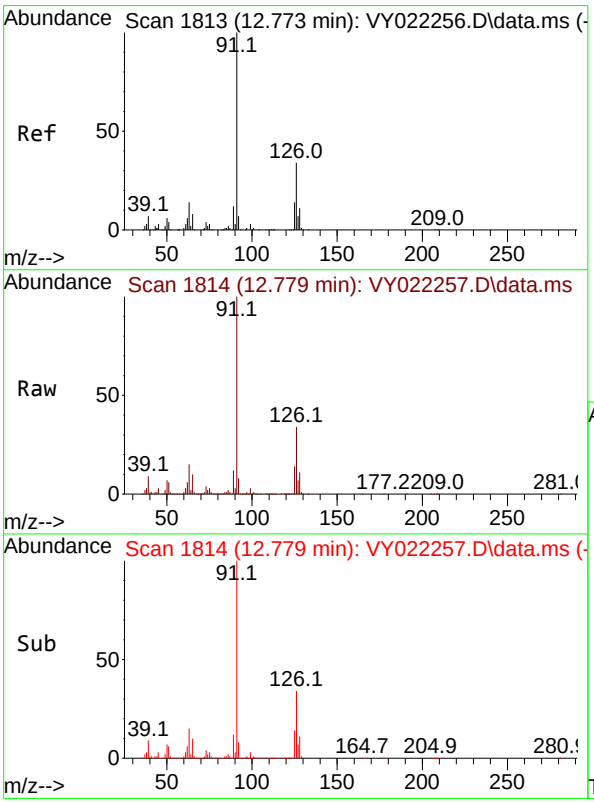
#81
trans-1,4-Dichloro-2-butene
Concen: 98.251 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 93252

Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.8	113.8
89	43.5	36.2	54.2

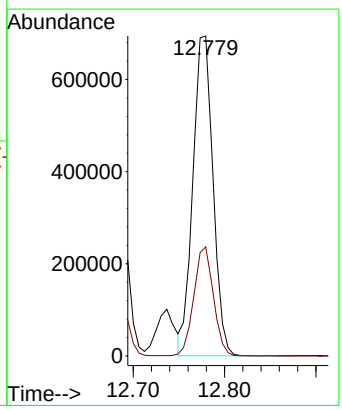


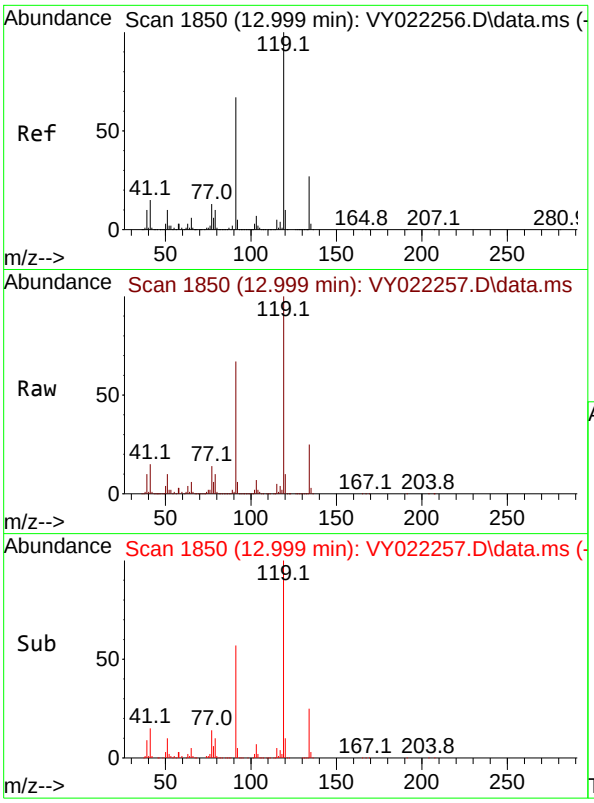


#82
4-Chlorotoluene
Concen: 99.052 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1061772

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



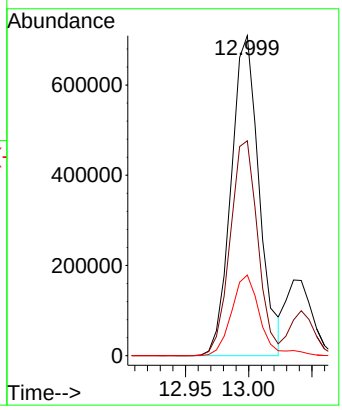


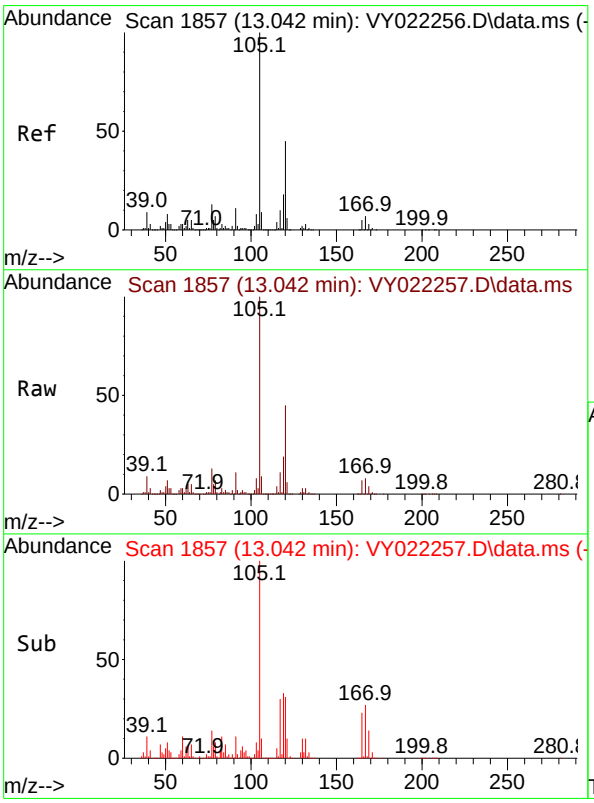
#83
tert-Butylbenzene
Concen: 96.859 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 1092617

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.8	12.9	38.6

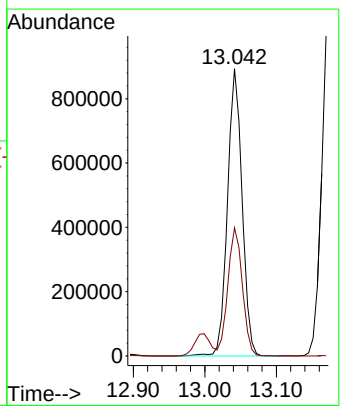


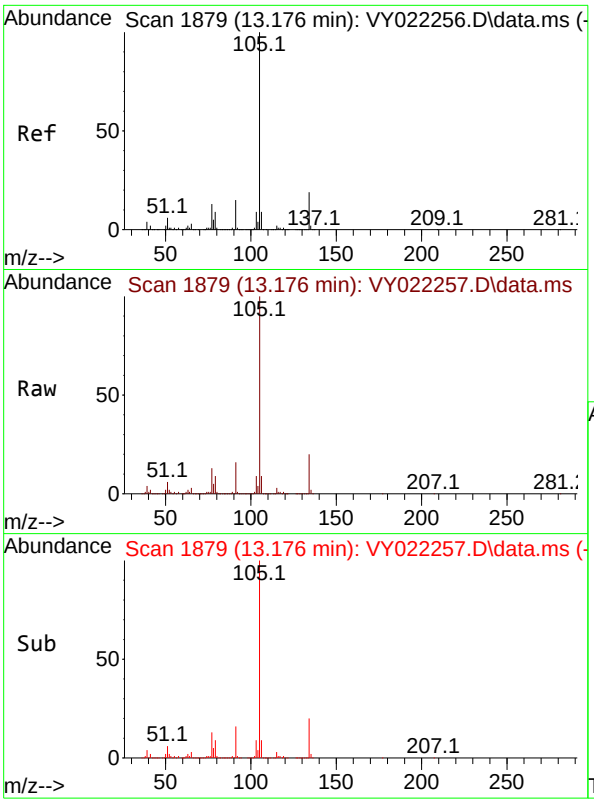


#84
1,2,4-Trimethylbenzene
Concen: 100.297 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1263612

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9



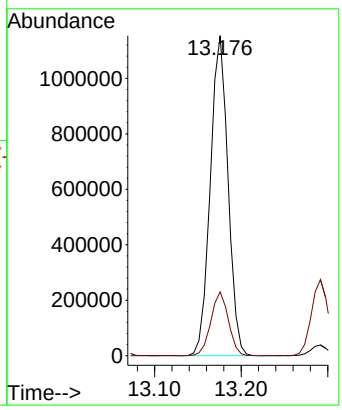


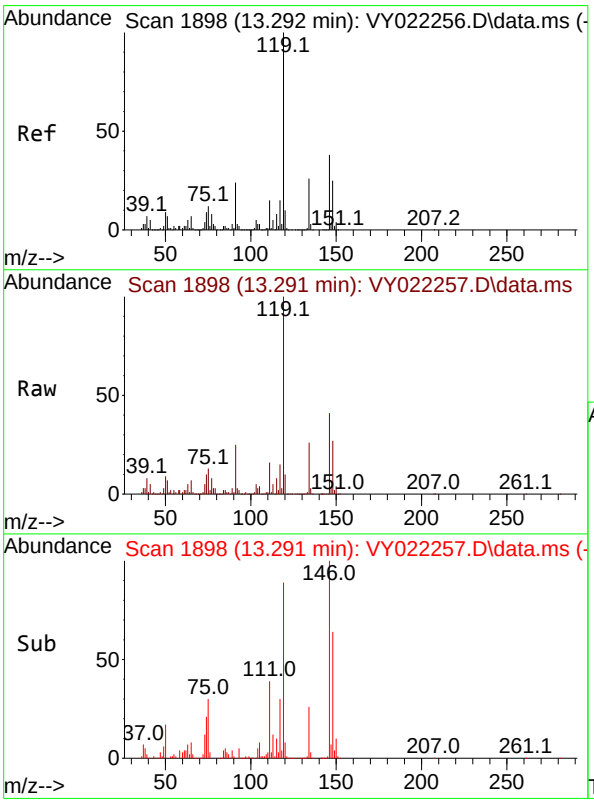
#85
sec-Butylbenzene
Concen: 97.623 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1634720

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

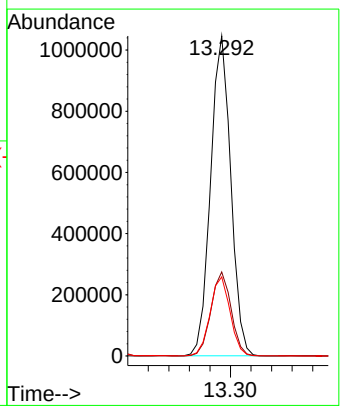


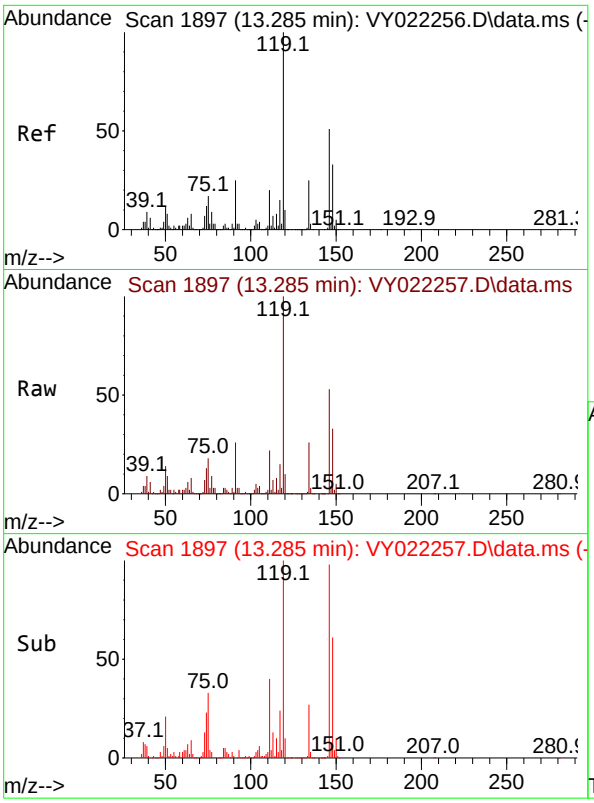


#86
p-Isopropyltoluene
Concen: 101.161 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:119 Resp: 1424684

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.4	12.1	36.3



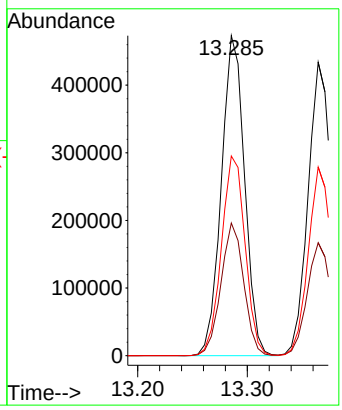


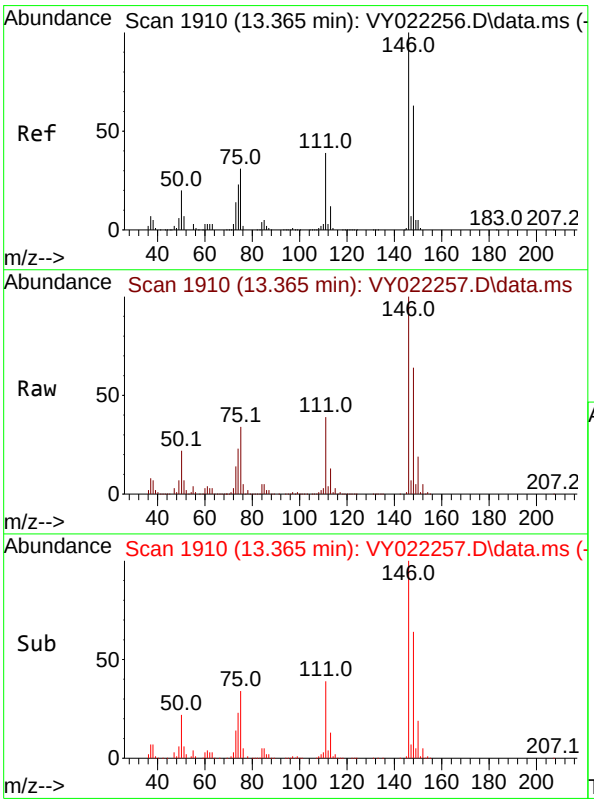
#87
1,3-Dichlorobenzene
Concen: 101.803 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 697868

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.6	31.9	95.7

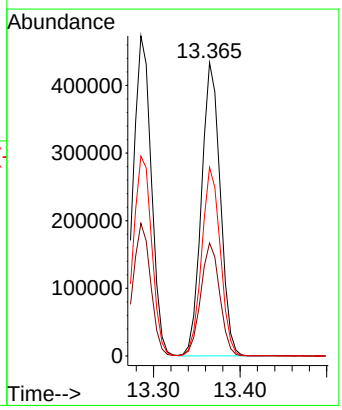


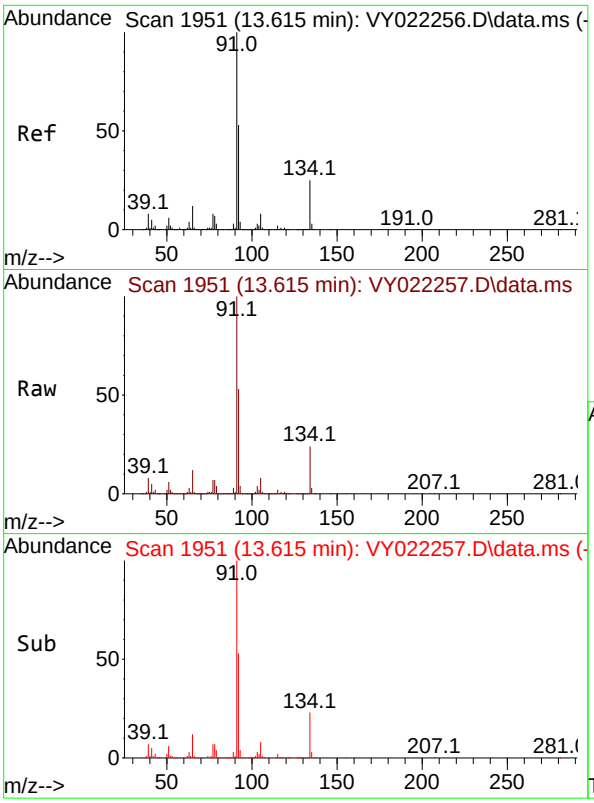


#88
1,4-Dichlorobenzene
Concen: 99.199 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 654104

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.7	32.1	96.5



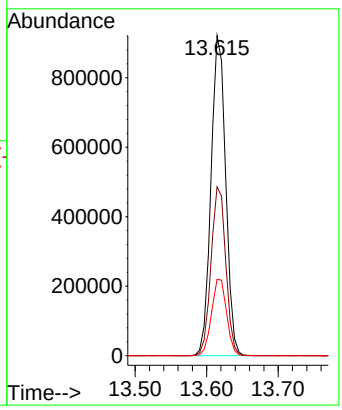


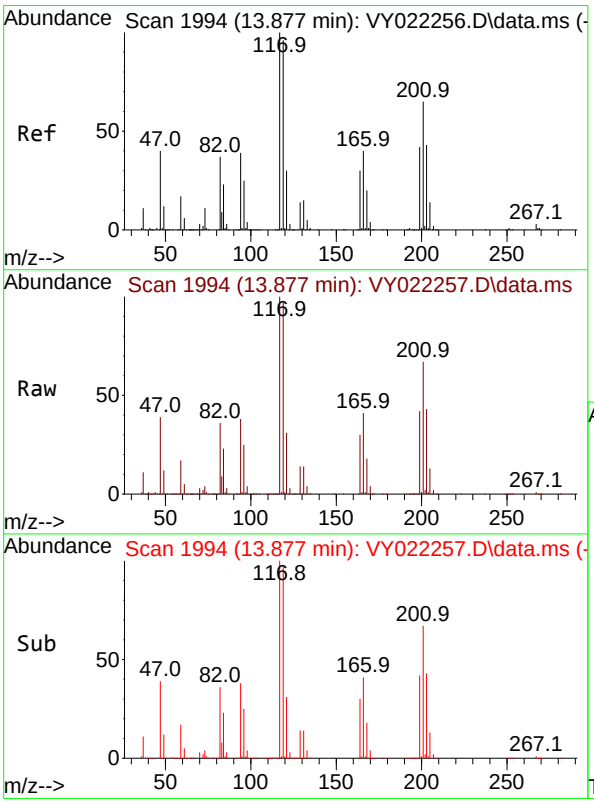
#89
n-Butylbenzene
Concen: 98.327 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1310061

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.6	12.4	37.4

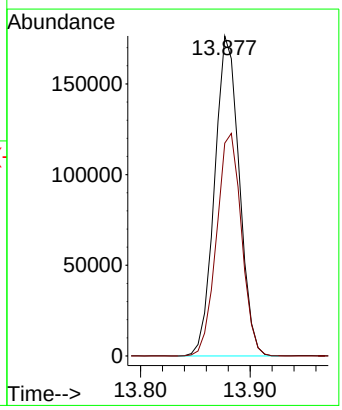


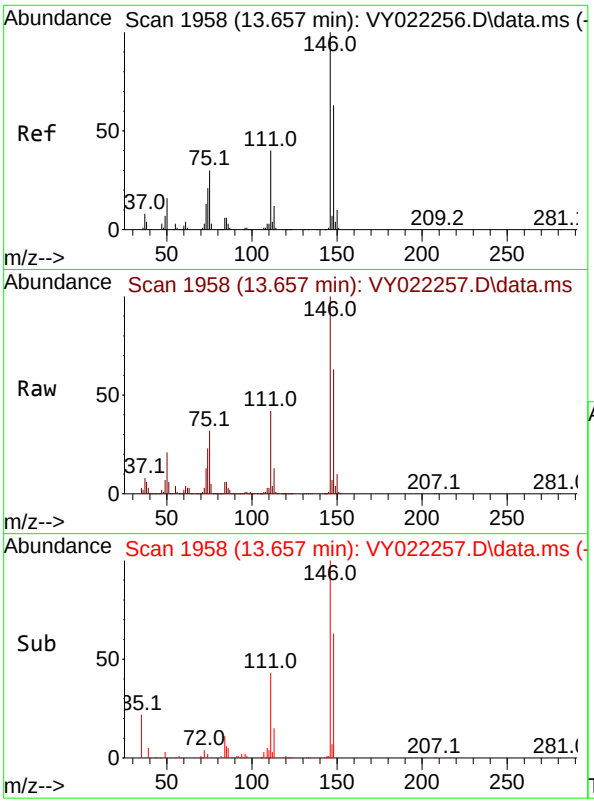


#90
Hexachloroethane
Concen: 96.961 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 275652

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6



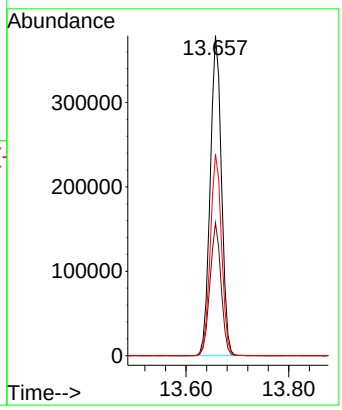


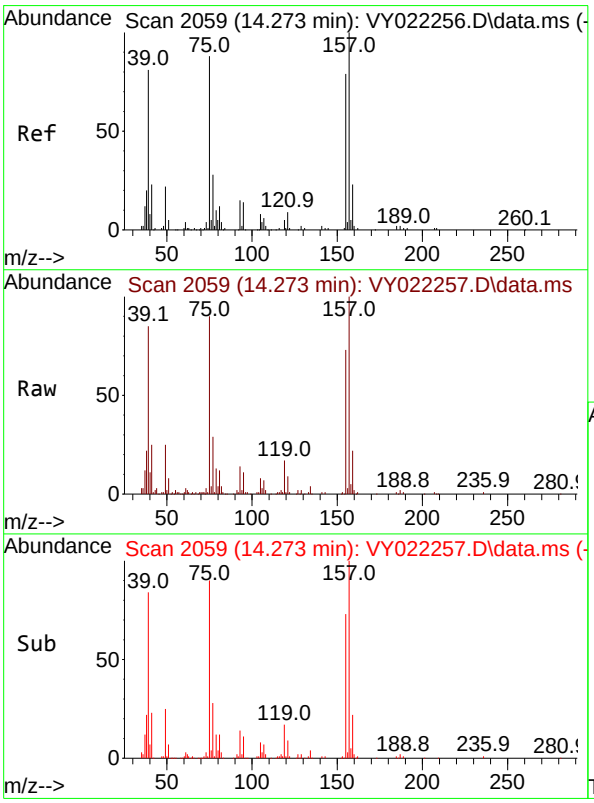
#91
1,2-Dichlorobenzene
Concen: 100.192 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 576915

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.2	32.0	96.0

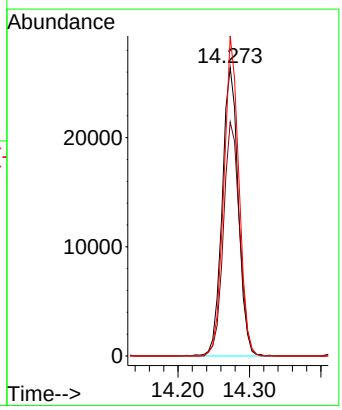


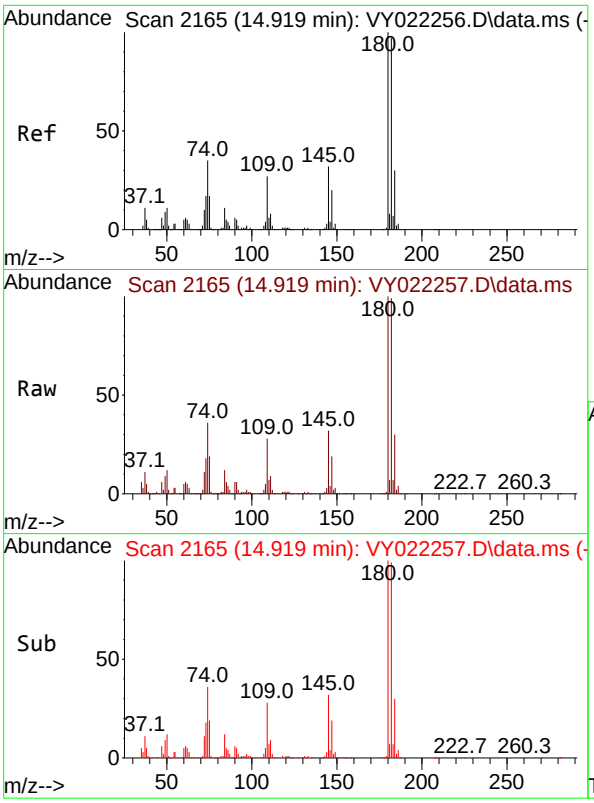


#92
1,2-Dibromo-3-Chloropropane
Concen: 105.859 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 41275

Ion	Ratio	Lower	Upper
75	100		
155	81.3	43.4	130.1
157	104.0	54.6	163.9



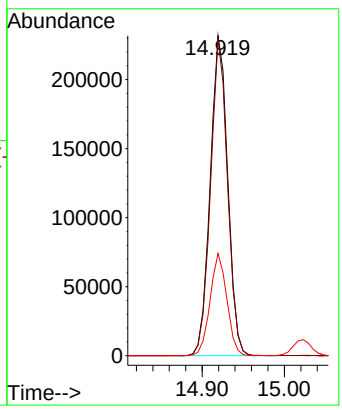


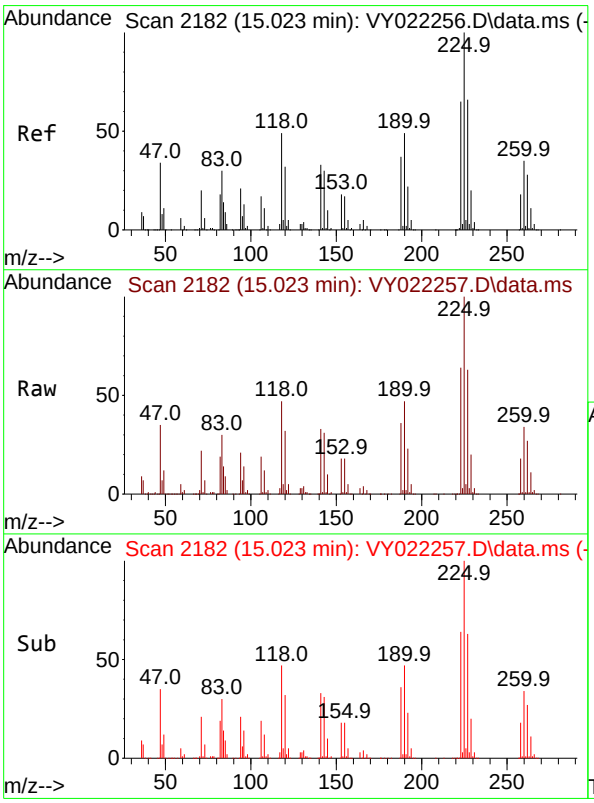
#93
1,2,4-Trichlorobenzene
Concen: 103.107 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 342939

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	30.7	15.0	45.1

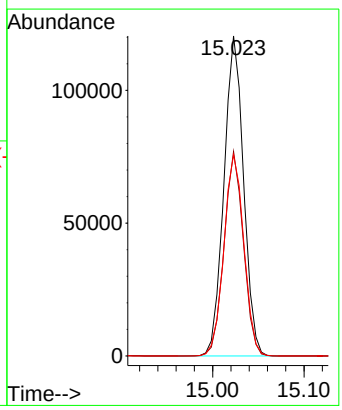


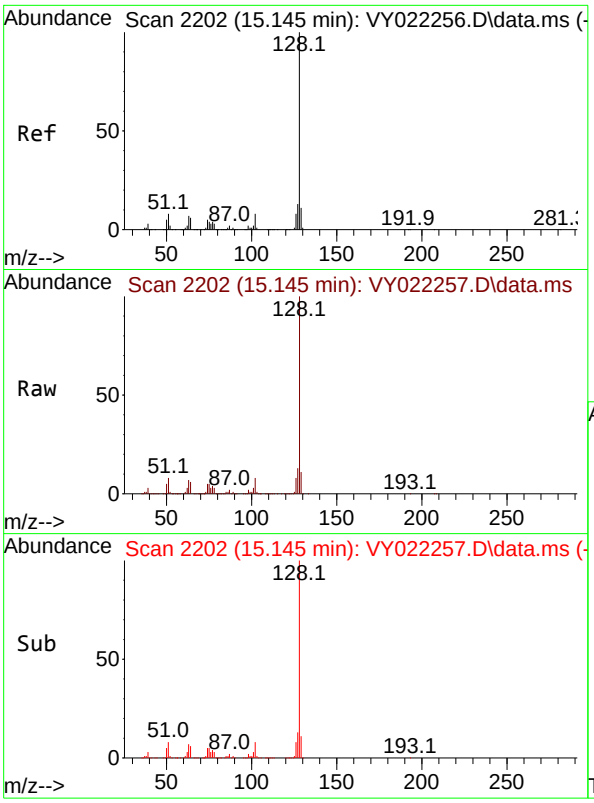


#94
Hexachlorobutadiene
Concen: 97.075 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:225 Resp: 180060

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	64.1	32.1	96.3



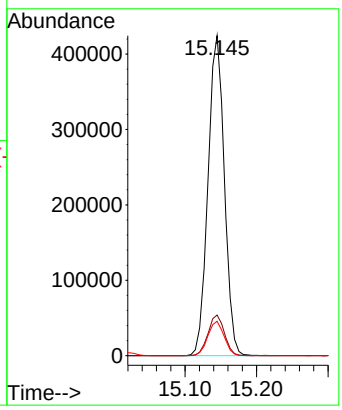


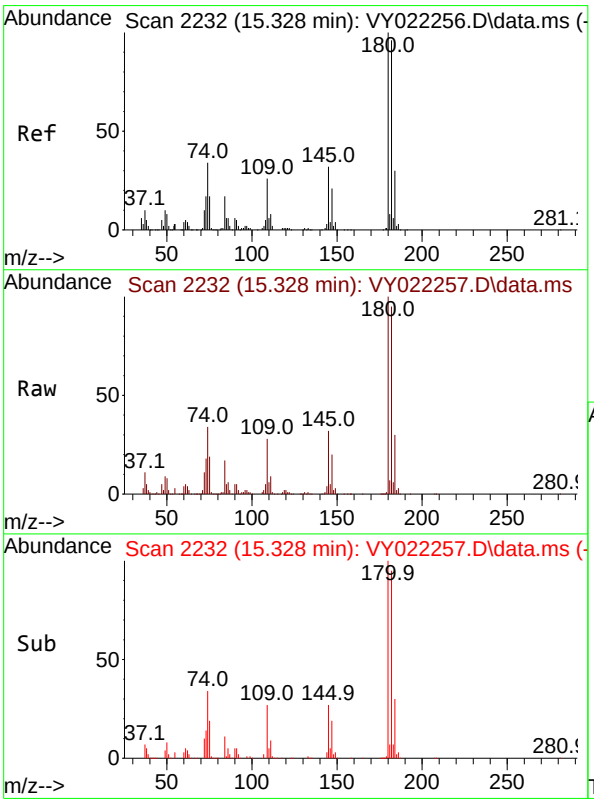
#95
Naphthalene
Concen: 106.935 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 674950

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

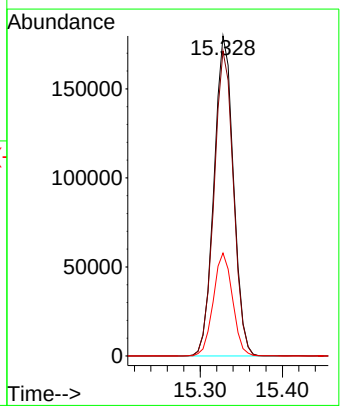




#96
1,2,3-Trichlorobenzene
Concen: 104.488 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:180 Resp: 294823

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.8	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	442917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455385	153.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.480%#			
35) Dibromofluoromethane	7.634	113	412318	155.969	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.940%#			
50) Toluene-d8	10.103	98	1689714	156.065	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.120%#			
62) 4-Bromofluorobenzene	12.402	95	541367	157.751	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 315.500%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	389593	137.760	ug/l	100
3) Chloromethane	2.068	50	727243	122.246	ug/l	99
4) Vinyl Chloride	2.202	62	902596	135.801	ug/l	97
5) Bromomethane	2.586	94	780107	144.182	ug/l	99
6) Chloroethane	2.727	64	590870	142.898	ug/l	98
7) Trichlorofluoromethane	3.050	101	989291	147.013	ug/l	99
8) Diethyl Ether	3.452	74	236216	146.270	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	422397	144.588	ug/l	100
10) Methyl Iodide	4.001	142	518980	153.489	ug/l	98
11) Tert butyl alcohol	4.866	59	172549	762.834	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	425285	146.697	ug/l	97
13) Acrolein	3.653	56	237291	717.595	ug/l	98
14) Allyl chloride	4.379	41	756728	148.866	ug/l	100
15) Acrylonitrile	5.055	53	512850	770.708	ug/l	100
16) Acetone	3.873	43	375443	675.976	ug/l	99
17) Carbon Disulfide	4.104	76	1365378	144.429	ug/l	100
18) Methyl Acetate	4.385	43	282084	166.915	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1225258	153.279	ug/l	98
20) Methylene Chloride	4.616	84	448817	125.059	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	472143	147.547	ug/l	99
22) Diisopropyl ether	6.019	45	1626927	151.557	ug/l	99
23) Vinyl Acetate	5.958	43	4953644	763.831	ug/l	100
24) 1,1-Dichloroethane	5.915	63	879785	146.697	ug/l	99
25) 2-Butanone	6.890	43	708010	762.091	ug/l	98
26) 2,2-Dichloropropane	6.884	77	787195	147.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	563503	152.601	ug/l	100
28) Bromochloromethane	7.244	49	387221	151.369	ug/l	100
29) Tetrahydrofuran	7.262	42	472224	790.072	ug/l	100
30) Chloroform	7.421	83	859317	149.381	ug/l	98
31) Cyclohexane	7.701	56	821784	137.144	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	784014	148.554	ug/l	99
36) 1,1-Dichloropropene	7.835	75	658871	151.316	ug/l	99
37) Ethyl Acetate	6.982	43	320686	153.067	ug/l	99
38) Carbon Tetrachloride	7.817	117	696139	154.450	ug/l	100
39) Methylcyclohexane	9.110	83	886329	151.510	ug/l	98
40) Benzene	8.079	78	1987535	153.973	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	174771	114.006 ug/l #	85
42) 1,2-Dichloroethane	8.159	62	534517	153.124 ug/l	99
43) Isopropyl Acetate	8.195	43	704366	154.159 ug/l #	89
44) Trichloroethene	8.866	130	481990	150.171 ug/l	96
45) 1,2-Dichloropropane	9.140	63	472217	151.736 ug/l	97
46) Dibromomethane	9.231	93	258087	153.757 ug/l	99
47) Bromodichloromethane	9.420	83	669834	153.824 ug/l	99
48) Methyl methacrylate	9.219	41	344147	161.060 ug/l	99
49) 1,4-Dioxane	9.231	88	61019	3217.888 ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	1829015	815.822 ug/l	99
52) Toluene	10.170	92	1276917	156.216 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	663513	156.134 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	754493	154.963 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	330716	153.863 ug/l	99
56) Ethyl methacrylate	10.439	69	535897	160.058 ug/l	99
57) 1,3-Dichloropropane	10.719	76	584253	152.987 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1350536	898.675 ug/l	99
59) 2-Hexanone	10.762	43	1227881	816.860 ug/l	99
60) Dibromochloromethane	10.908	129	438666	157.237 ug/l	99
61) 1,2-Dibromoethane	11.012	107	308529	154.008 ug/l	99
64) Tetrachloroethene	10.646	164	501627	139.237 ug/l	100
65) Chlorobenzene	11.438	112	1336594	151.997 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	480525	158.952 ug/l	100
67) Ethyl Benzene	11.518	91	2598027	157.756 ug/l	99
68) m/p-Xylenes	11.627	106	1992413	321.066 ug/l	99
69) o-Xylene	11.957	106	937727	159.714 ug/l	99
70) Styrene	11.969	104	1613798	162.944 ug/l	100
71) Bromoform	12.133	173	254251	155.818 ug/l #	99
73) Isopropylbenzene	12.255	105	2357568	151.387 ug/l	100
74) N-amyl acetate	12.066	43	694999	156.041 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	375378	156.735 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	546605	164.989 ug/l #	100
77) Bromobenzene	12.530	156	509579	153.206 ug/l	99
78) n-propylbenzene	12.591	91	2822794	150.276 ug/l	100
79) 2-Chlorotoluene	12.676	91	1563003	151.415 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1888432	150.219 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	139931	148.846 ug/l	99
82) 4-Chlorotoluene	12.774	91	1616520	152.250 ug/l	99
83) tert-Butylbenzene	12.993	119	1699962	152.144 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1934641	155.030 ug/l	100
85) sec-Butylbenzene	13.176	105	2493393	150.330 ug/l	100
86) p-Isopropyltoluene	13.292	119	2205275	158.088 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1079479	158.981 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	969874	148.497 ug/l	99
89) n-Butylbenzene	13.615	91	1992554	150.985 ug/l	99
90) Hexachloroethane	13.877	117	417341	148.208 ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	858733	150.565 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	58383	151.172 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	508537	154.361 ug/l	99
94) Hexachlorobutadiene	15.023	225	261832	142.514 ug/l	100
95) Naphthalene	15.139	128	979369	156.653 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	426231	152.509 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

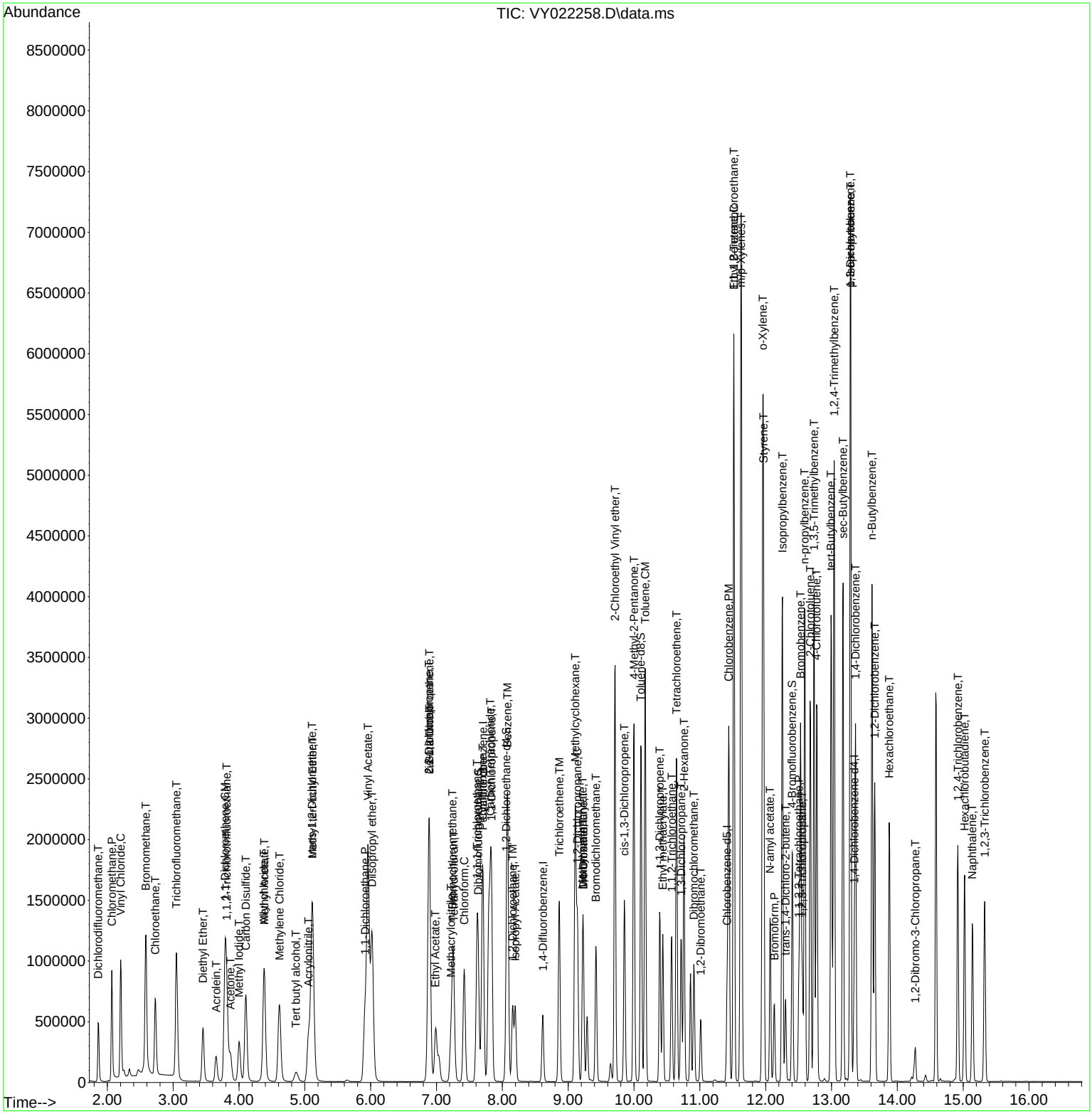
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

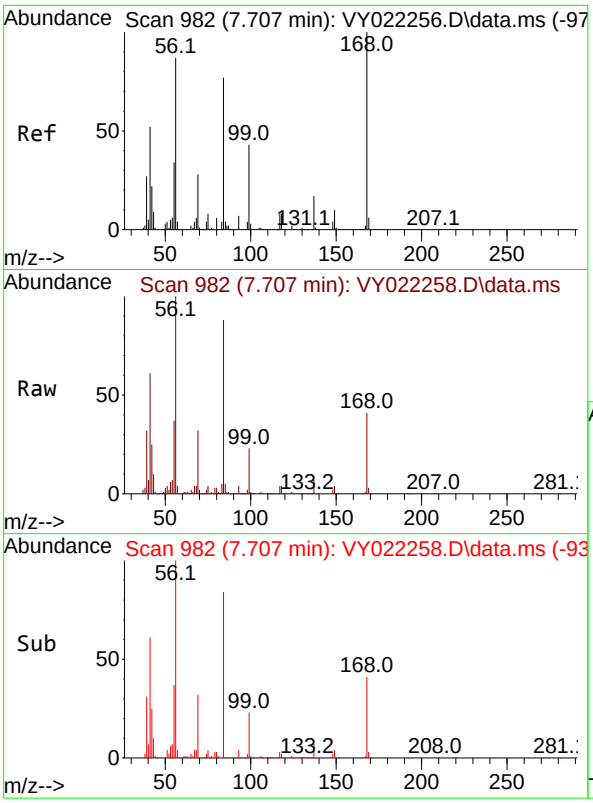
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration



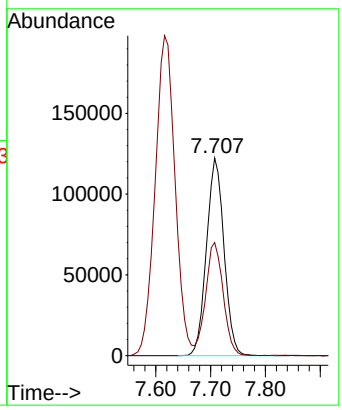


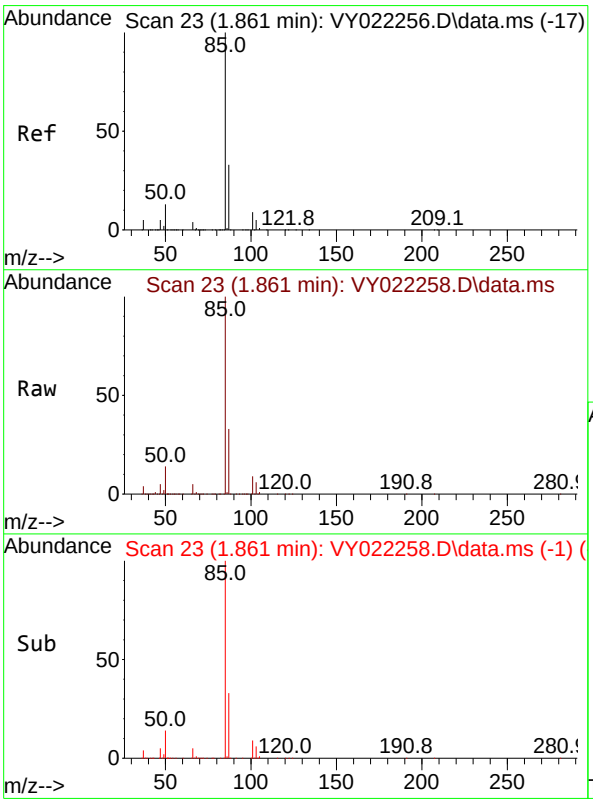
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 271027

Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4

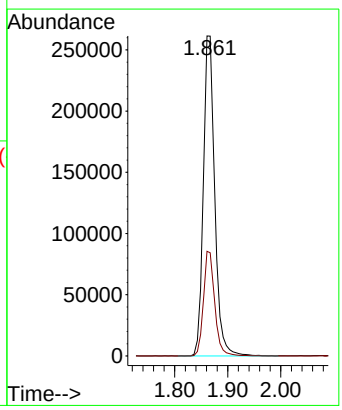


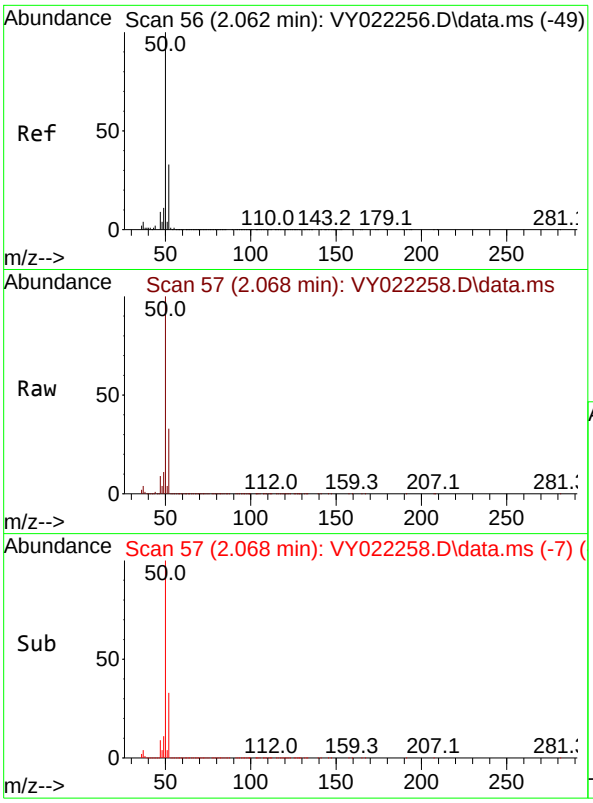


#2
Dichlorodifluoromethane
Concen: 137.760 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 85 Resp: 389593

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.5	49.5



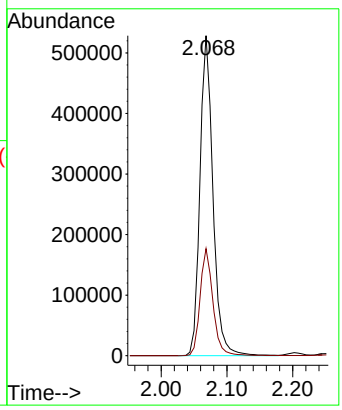


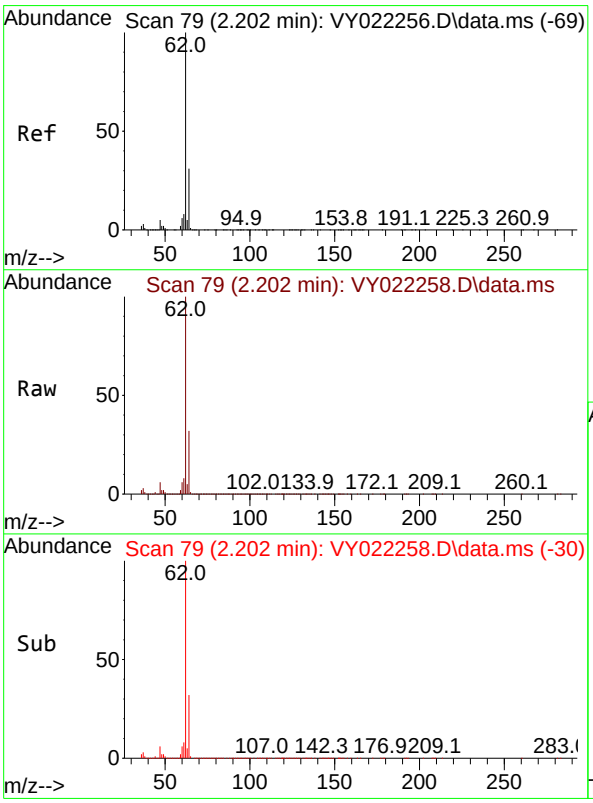
#3
Chloromethane
Concen: 122.246 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 727243

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7

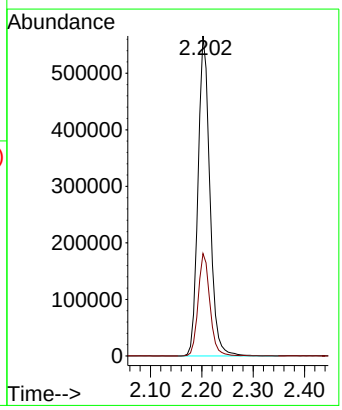


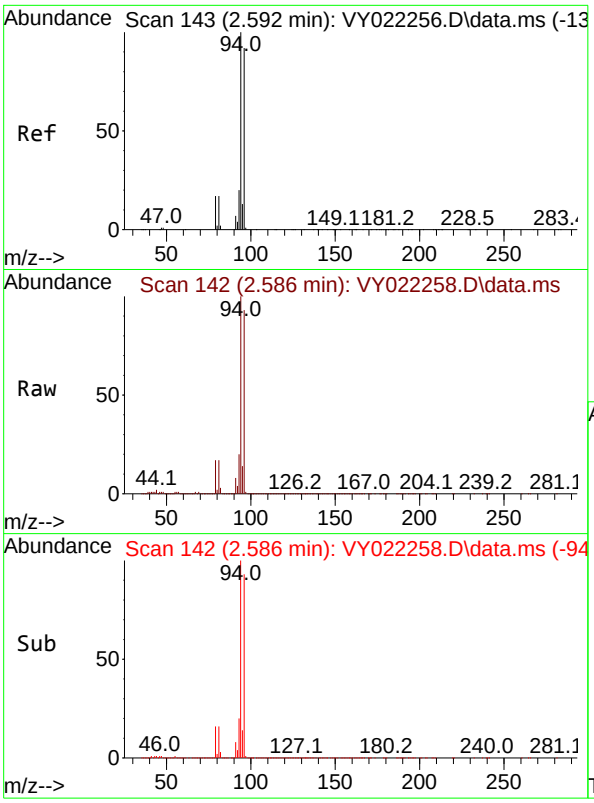


#4
Vinyl Chloride
Concen: 135.801 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 902596

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.5	36.7



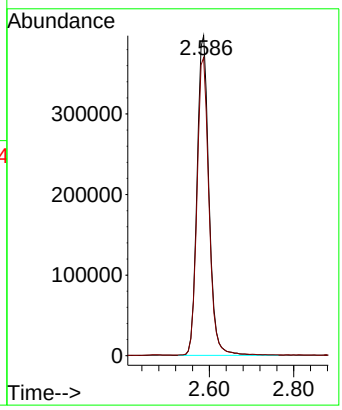


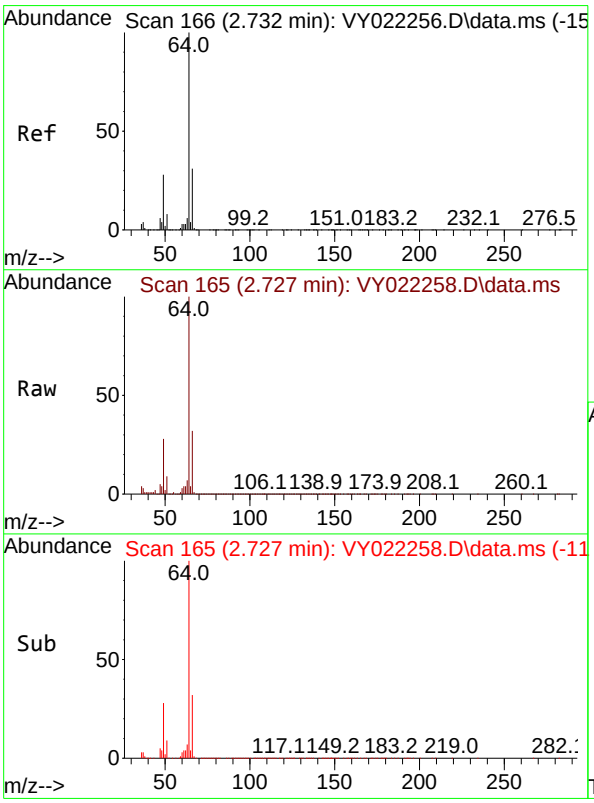
#5
Bromomethane
Concen: 144.182 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 780107

Ion	Ratio	Lower	Upper
94	100		
96	93.0	73.4	110.0

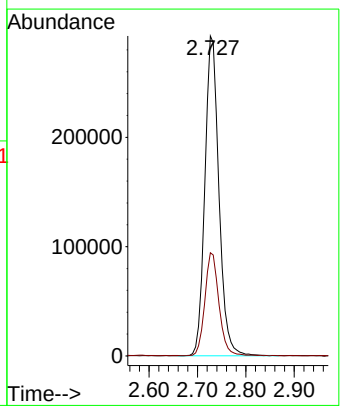


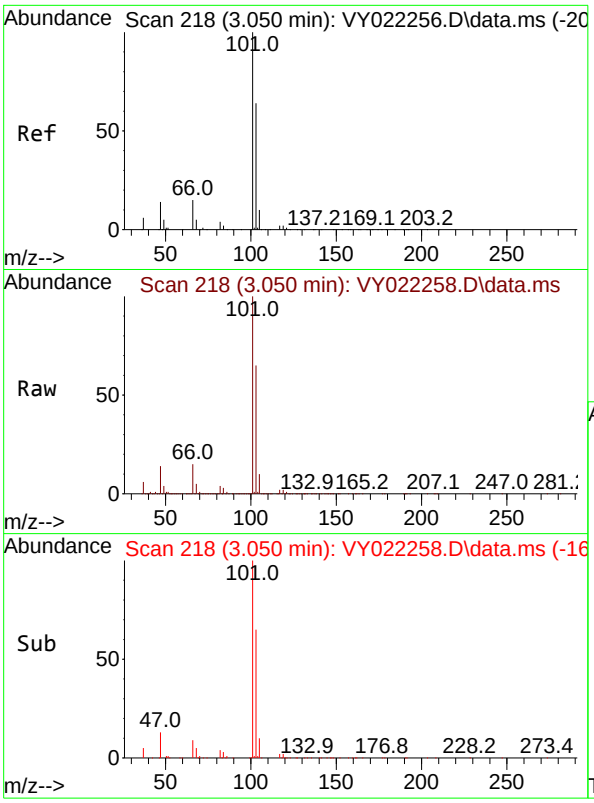


#6
Chloroethane
Concen: 142.898 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 64 Resp: 590870

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.8	37.2



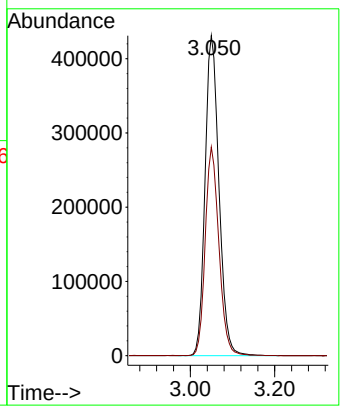


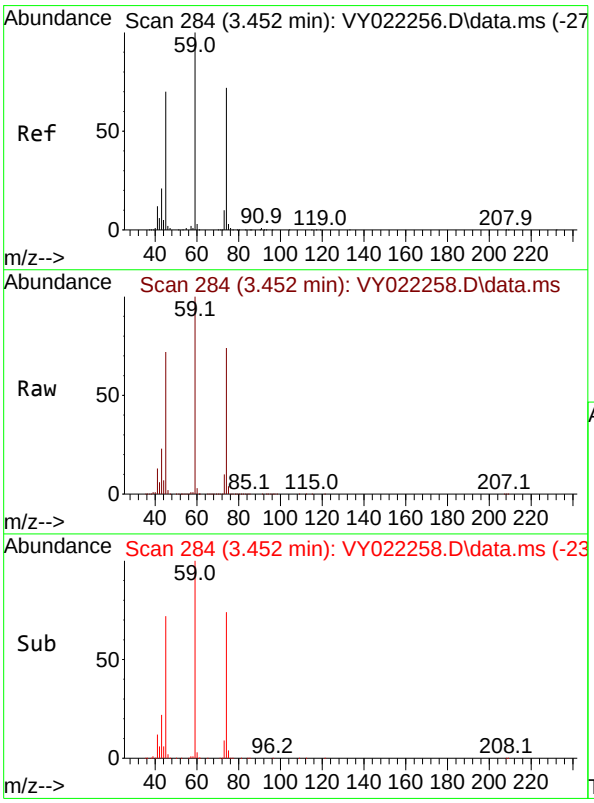
#7
Trichlorofluoromethane
Concen: 147.013 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 989291

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.7	77.5

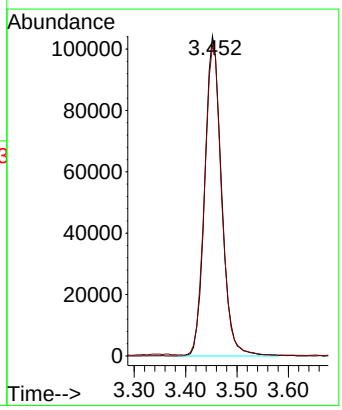


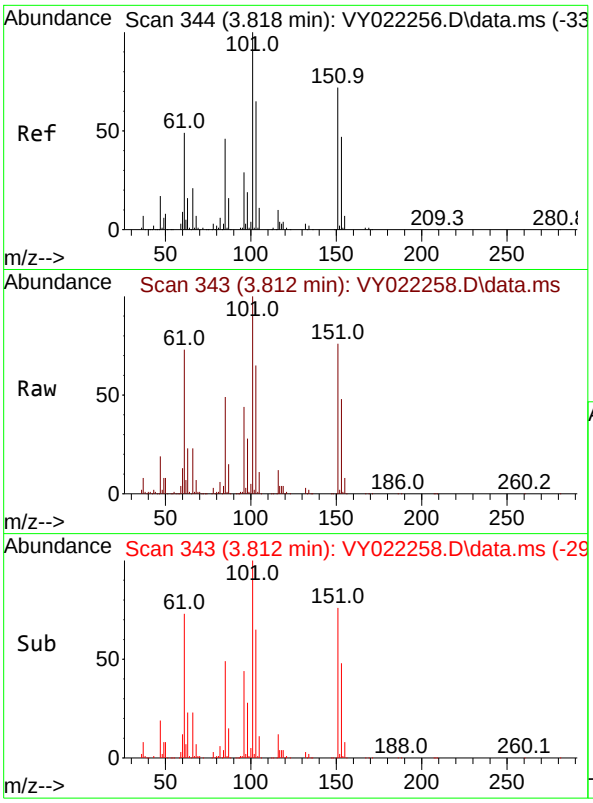


#8
Diethyl Ether
Concen: 146.270 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 74 Resp: 236216

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8



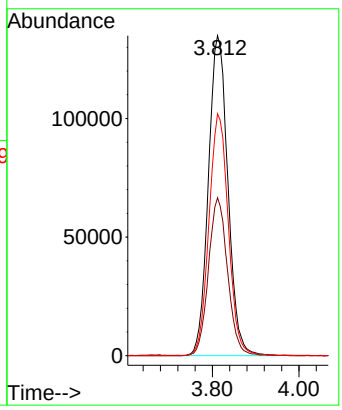


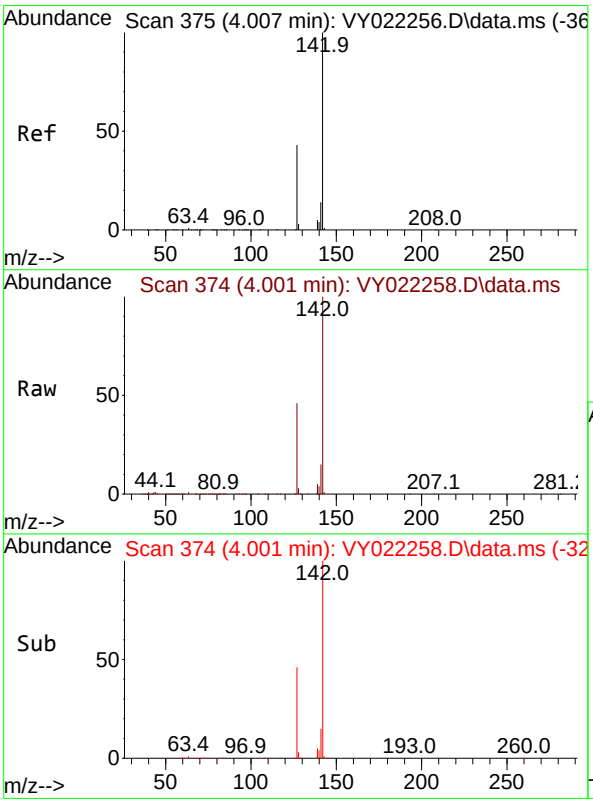
#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.588 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 422397

Ion	Ratio	Lower	Upper
101	100		
85	48.2	38.6	58.0
151	75.2	59.7	89.5

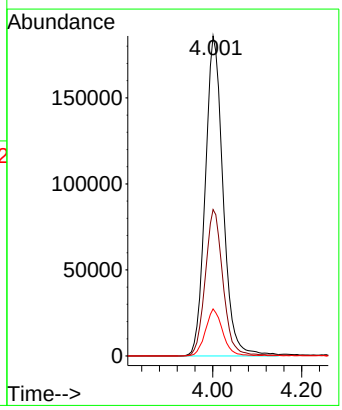


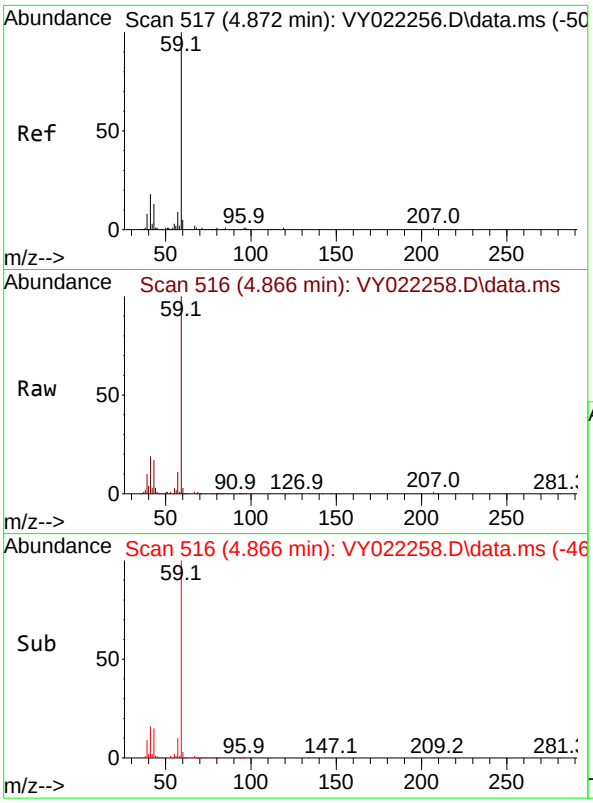


#10
Methyl Iodide
Concen: 153.489 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:142 Resp: 518980

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.7	53.5
141	14.3	11.1	16.7



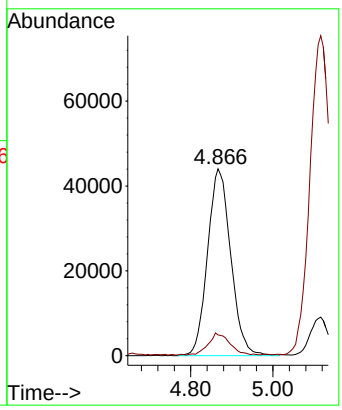


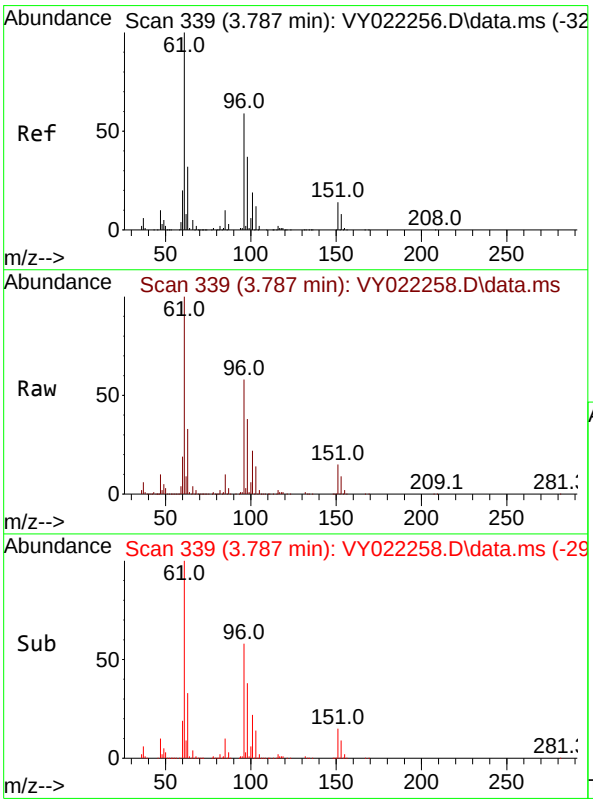
#11
Tert butyl alcohol
Concen: 762.834 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 172549

Ion	Ratio	Lower	Upper
59	100		
57	10.9	0.0	0.0#

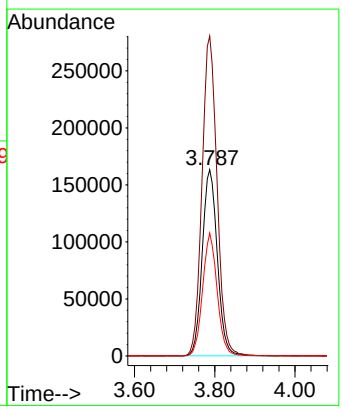


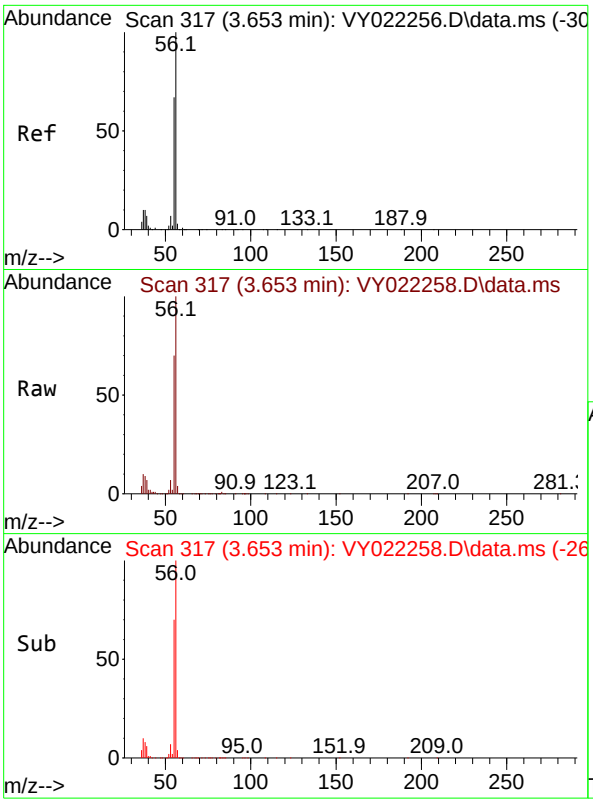


#12
1,1-Dichloroethene
Concen: 146.697 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 425285

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.9	202.3
98	65.9	49.9	74.9



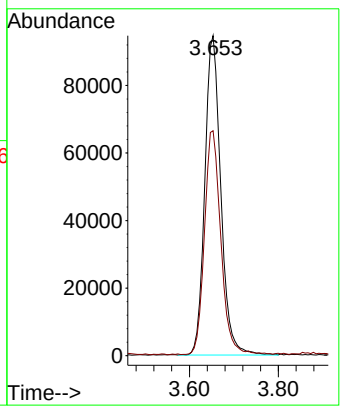


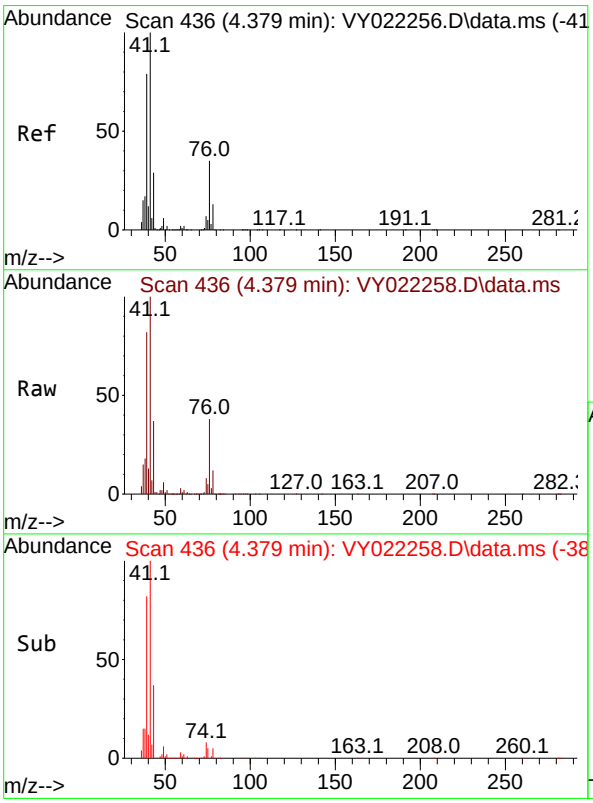
#13
Acrolein
Concen: 717.595 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 237291

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.6	83.4

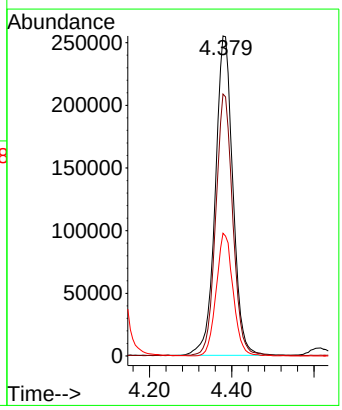


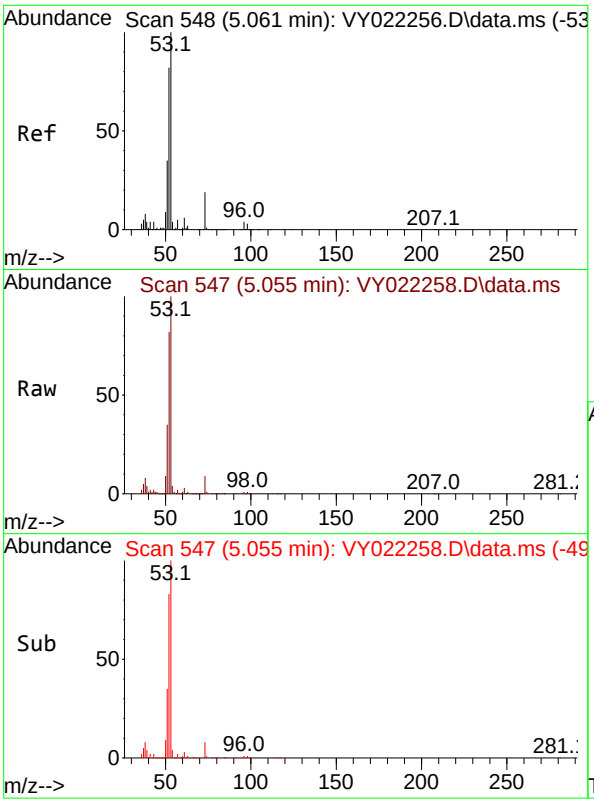


#14
Allyl chloride
Concen: 148.866 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 756728

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.8	29.5	44.3



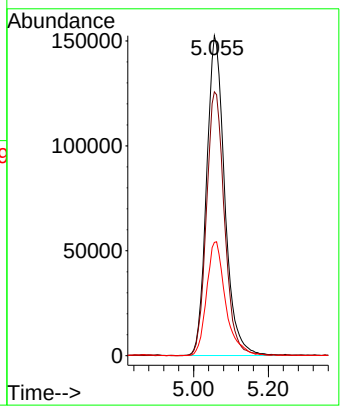


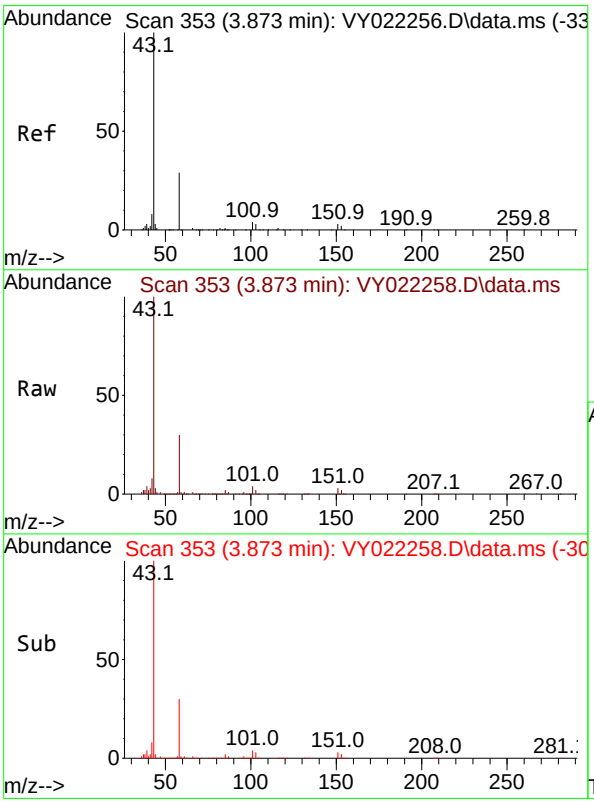
#15
Acrylonitrile
Concen: 770.708 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 512850

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	37.5	30.0	45.0

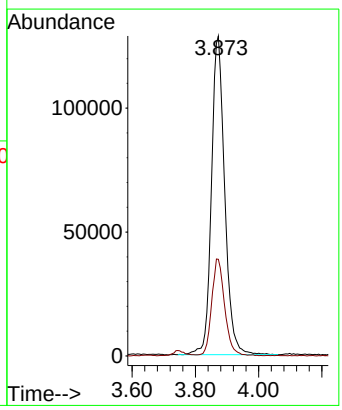


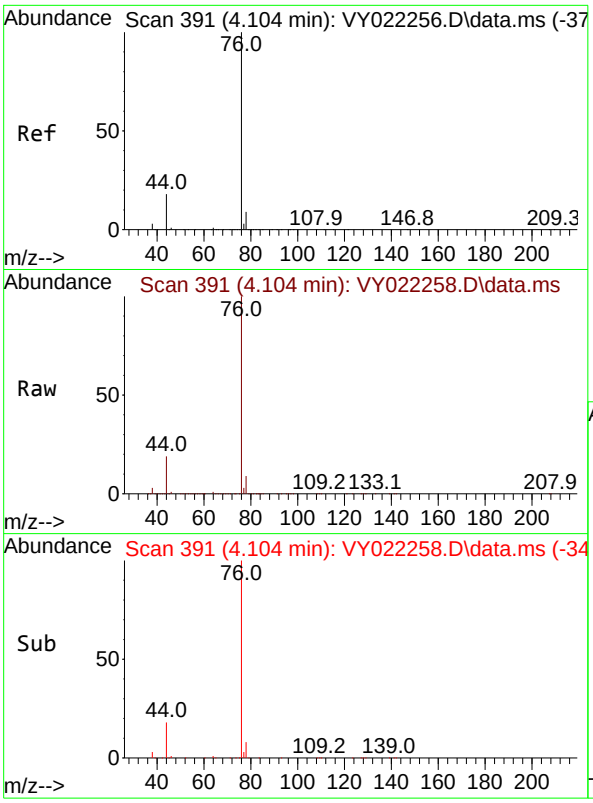


#16
Acetone
Concen: 675.976 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 375443

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4



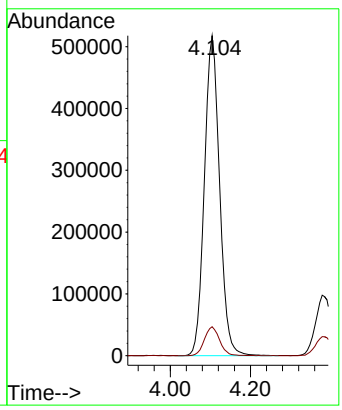


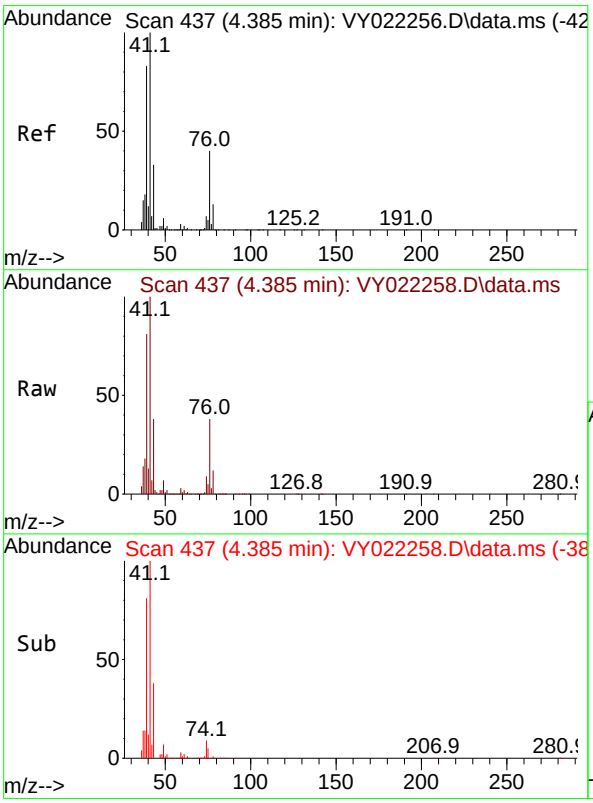
#17
Carbon Disulfide
Concen: 144.429 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1365378

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

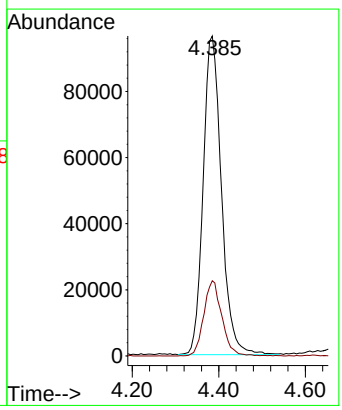


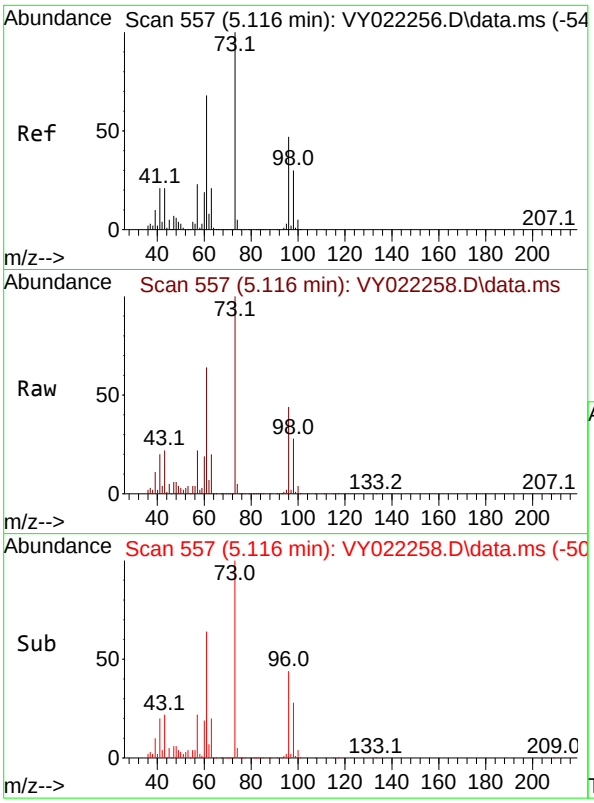


#18
Methyl Acetate
Concen: 166.915 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 282084

Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.4



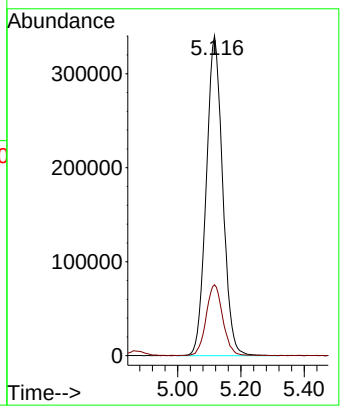


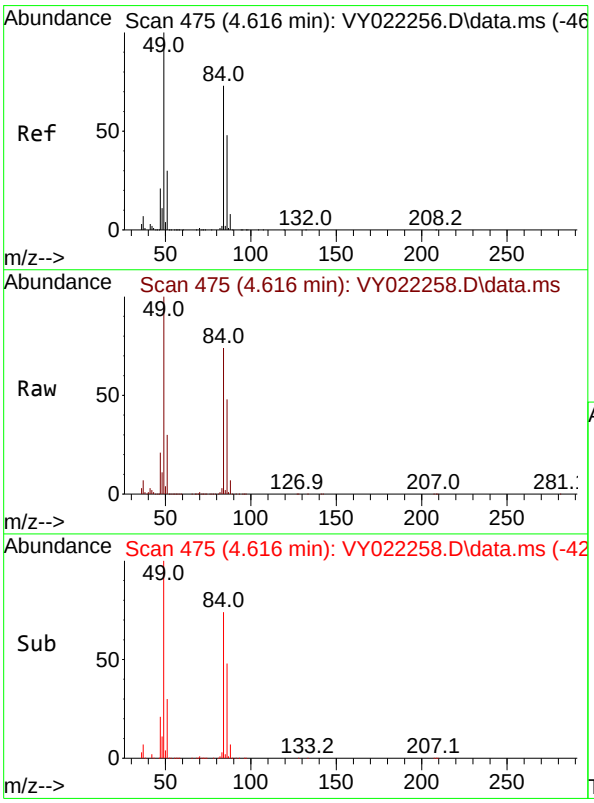
#19
Methyl tert-butyl Ether
Concen: 153.279 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1225258

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.6	28.0

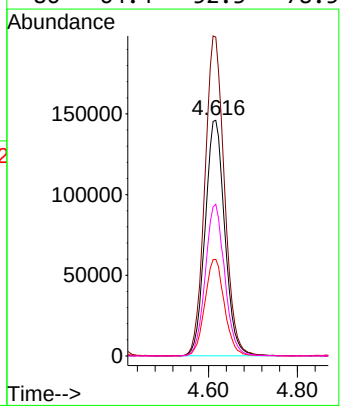


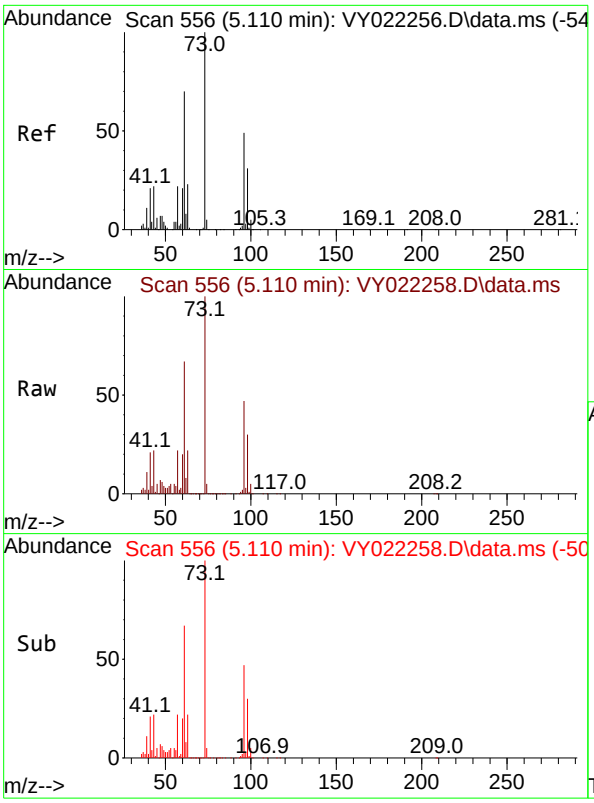


#20
Methylene Chloride
Concen: 125.059 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 84 Resp: 448817

Ion	Ratio	Lower	Upper
84	100		
49	135.3	109.6	164.4
51	40.9	32.4	48.6
86	64.4	52.3	78.5



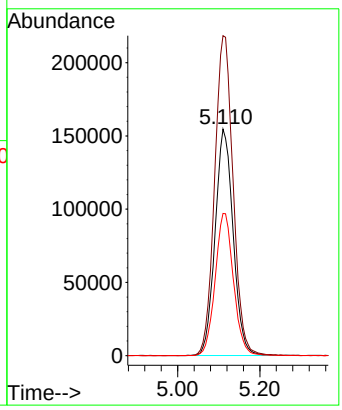


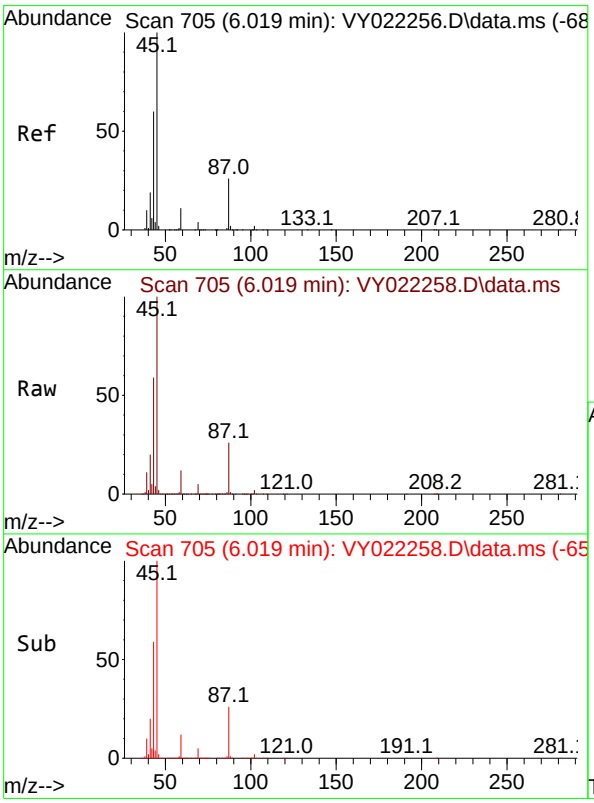
#21
trans-1,2-Dichloroethene
Concen: 147.547 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 472143

Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.4	170.0
98	62.8	50.9	76.3

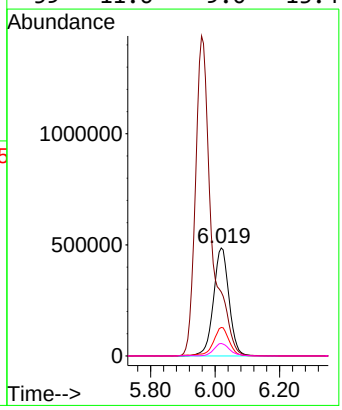


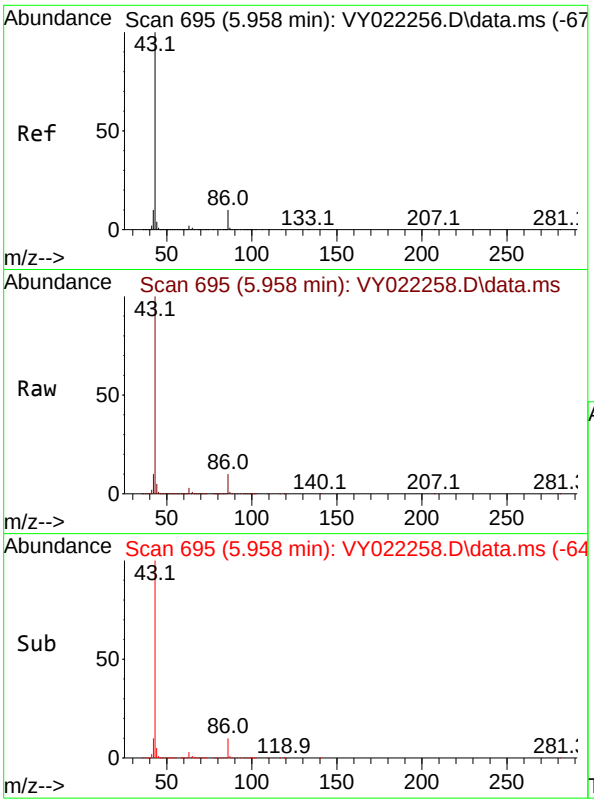


#22
Diisopropyl ether
Concen: 151.557 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 45 Resp: 1626927

Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.2	72.2
87	26.4	21.4	32.0
59	11.6	9.0	13.4



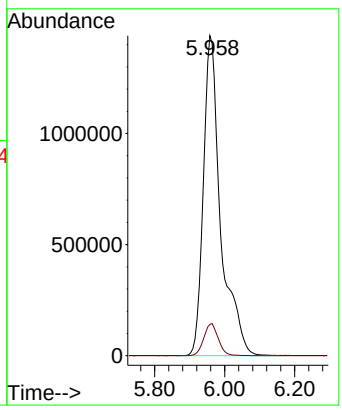


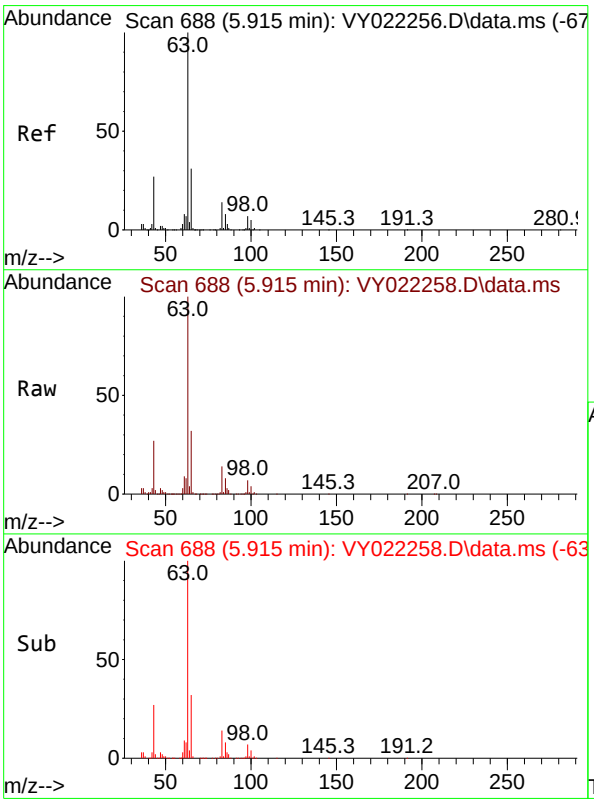
#23
Vinyl Acetate
Concen: 763.831 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4953644

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8

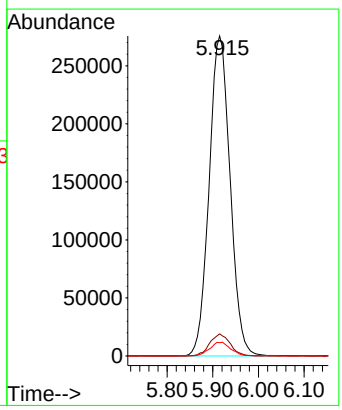


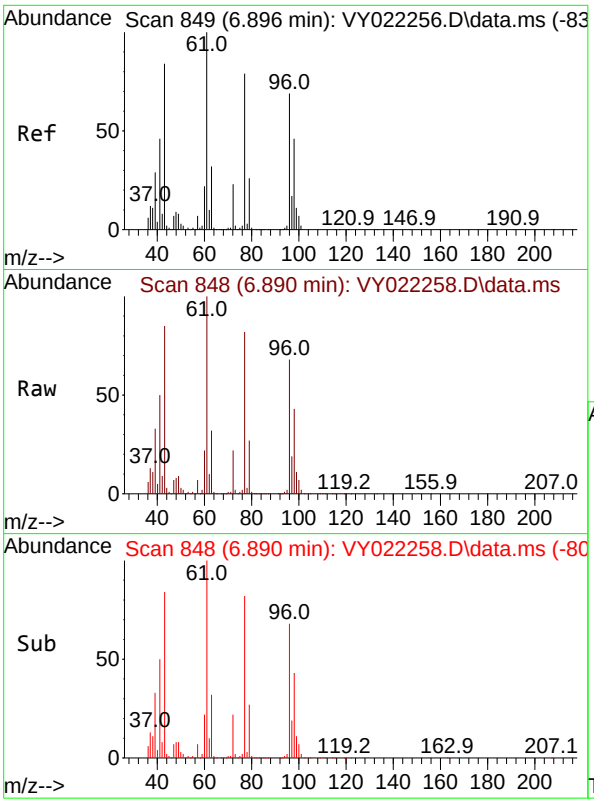


#24
1,1-Dichloroethane
Concen: 146.697 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 879785

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.2	2.4	7.2



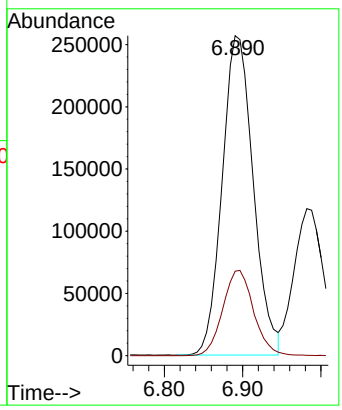


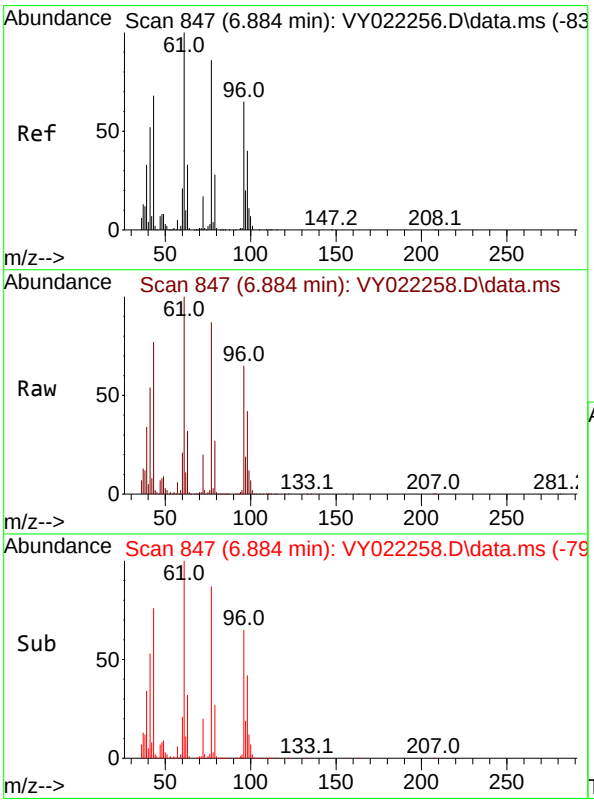
#25
2-Butanone
Concen: 762.091 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 708010

Ion	Ratio	Lower	Upper
43	100		
72	26.4	22.1	33.1

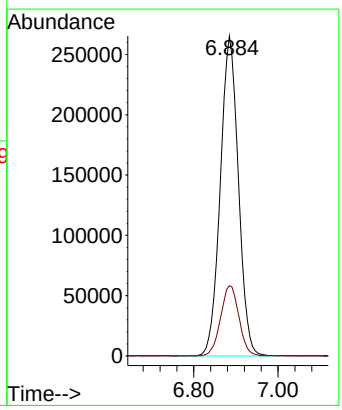


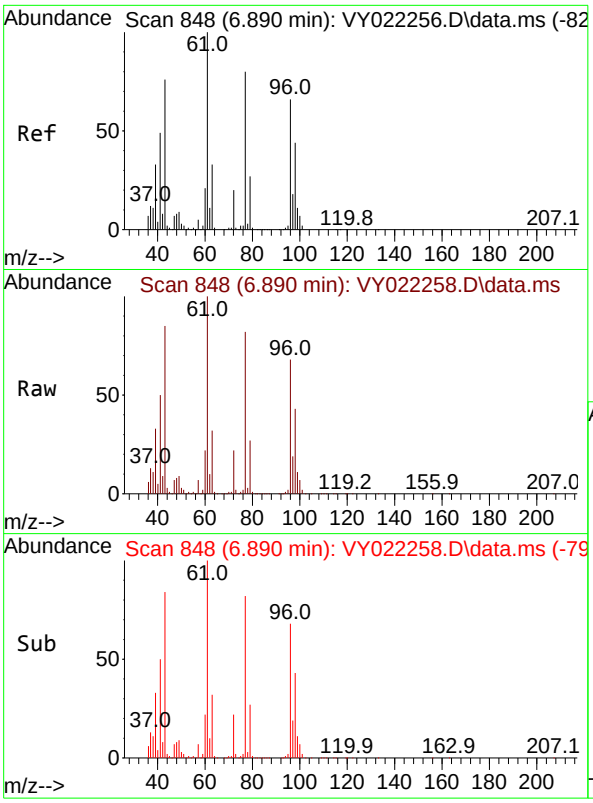


#26
2,2-Dichloropropane
Concen: 147.575 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 77 Resp: 787195

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5



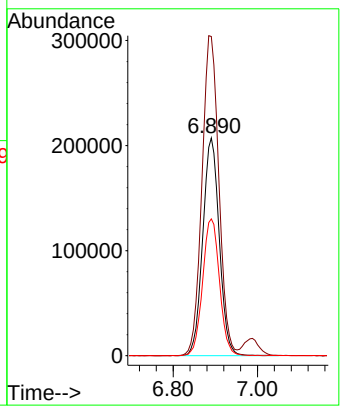


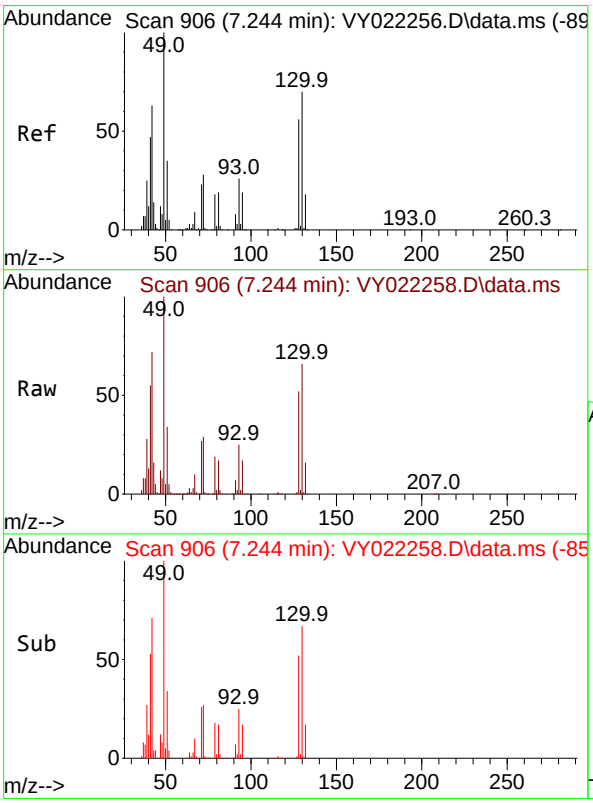
#27
cis-1,2-Dichloroethene
Concen: 152.601 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 563503

Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	302.6
98	64.4	0.0	128.8

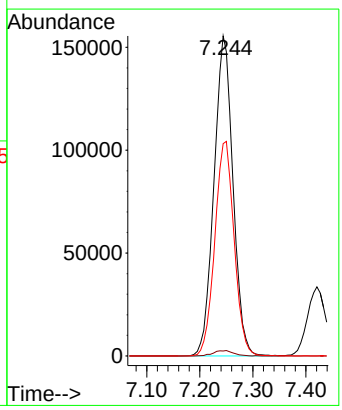


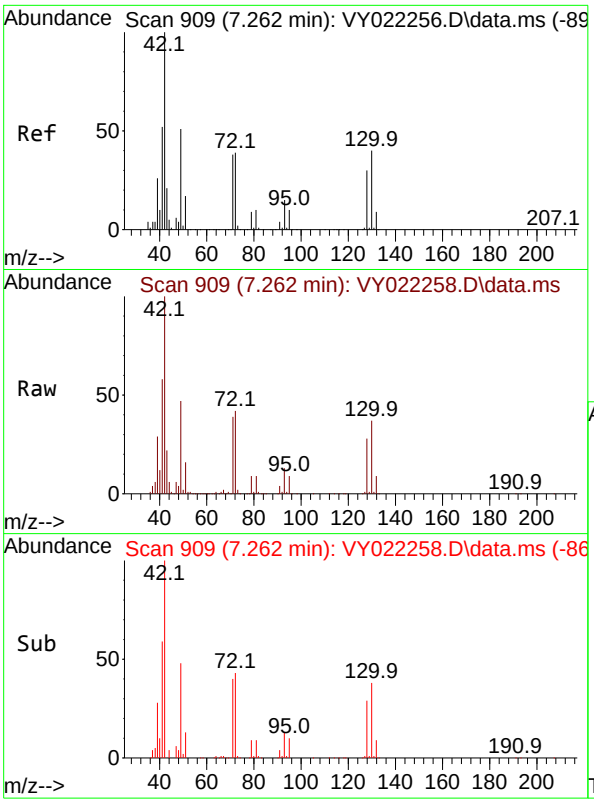


#28
Bromochloromethane
Concen: 151.369 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 49 Resp: 387221

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.2	54.7	82.1



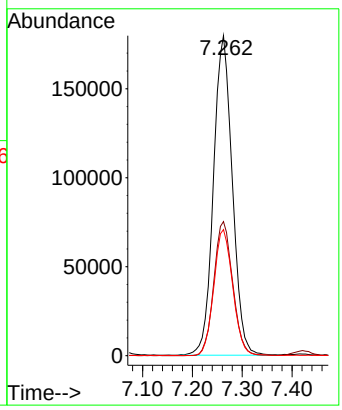


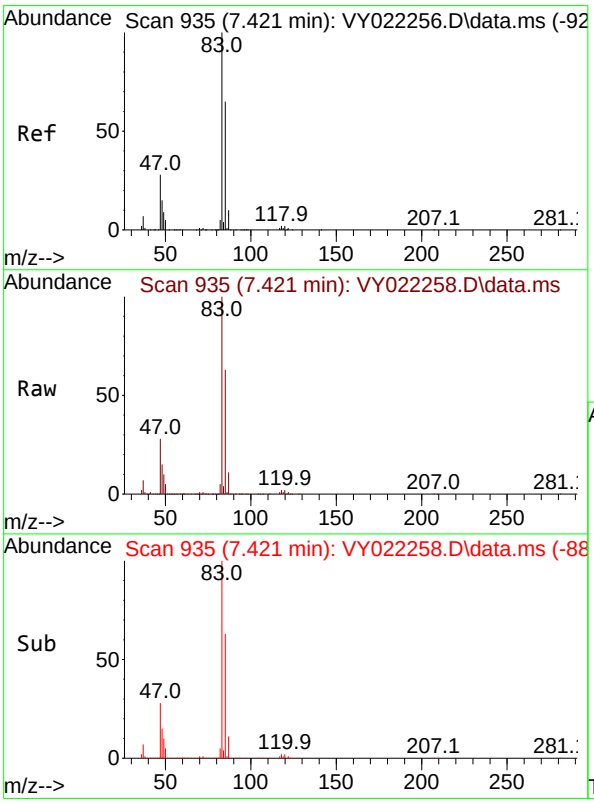
#29
Tetrahydrofuran
Concen: 790.072 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 472224

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.6	31.5	47.3

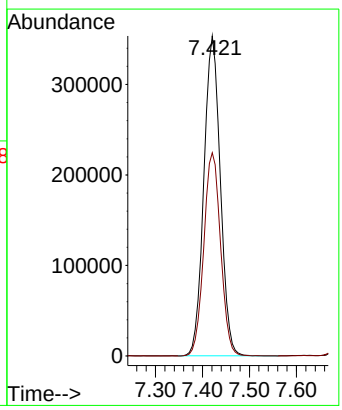


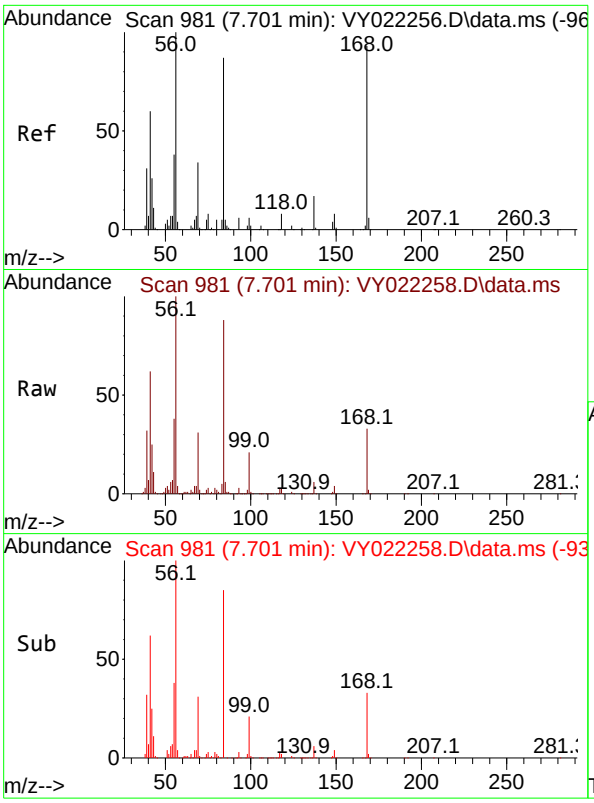


#30
Chloroform
Concen: 149.381 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 859317

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8



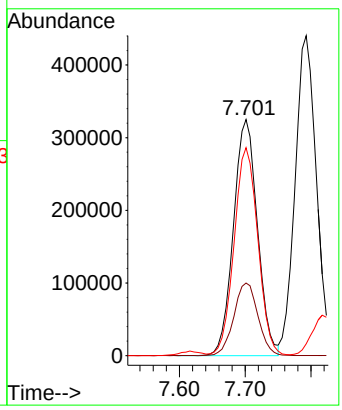


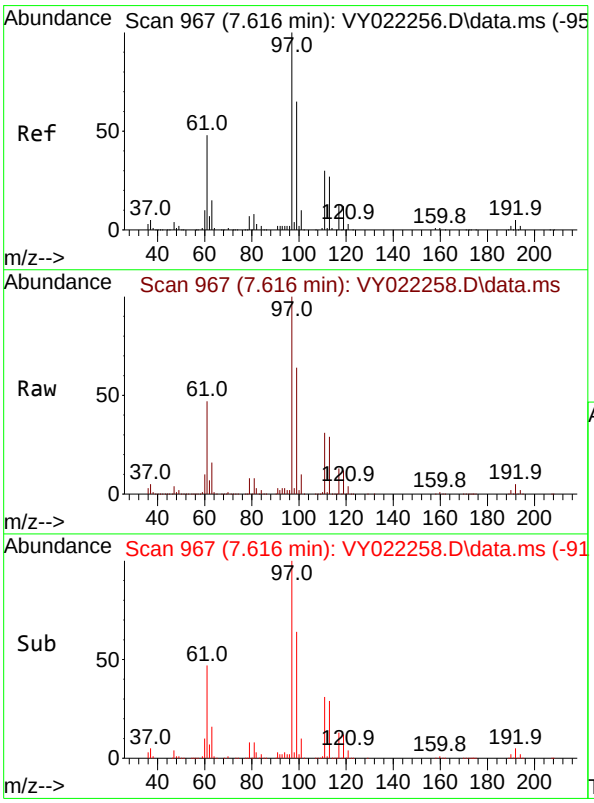
#31
Cyclohexane
Concen: 137.144 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 821784

Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.4	41.2
84	87.3	70.0	105.0

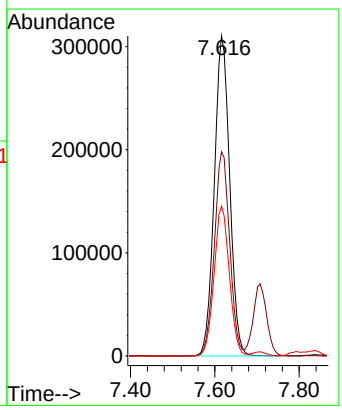


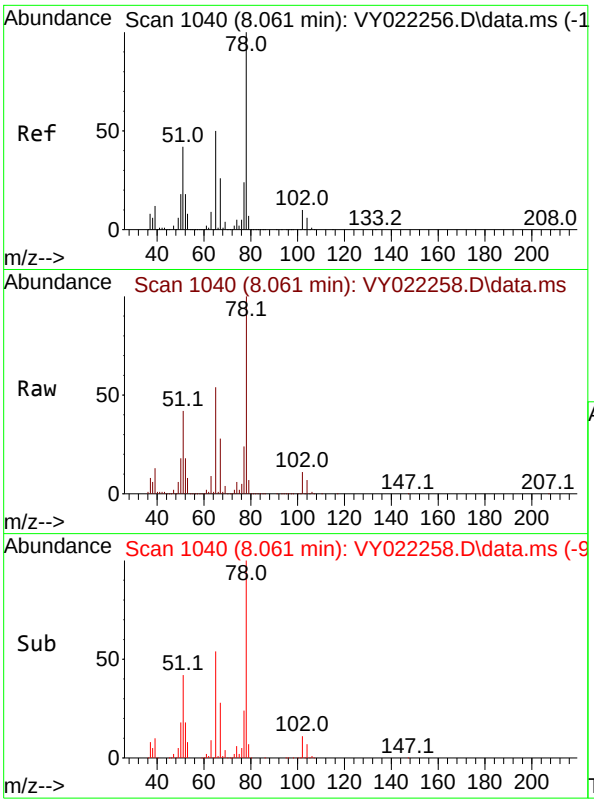


#32
1,1,1-Trichloroethane
Concen: 148.554 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 97 Resp: 784014

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	46.7	38.1	57.1



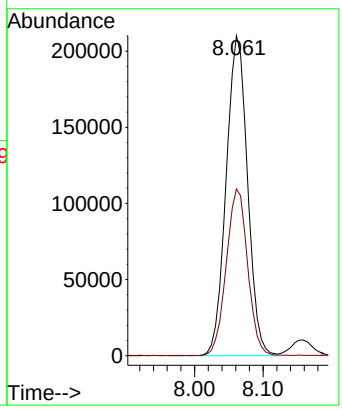


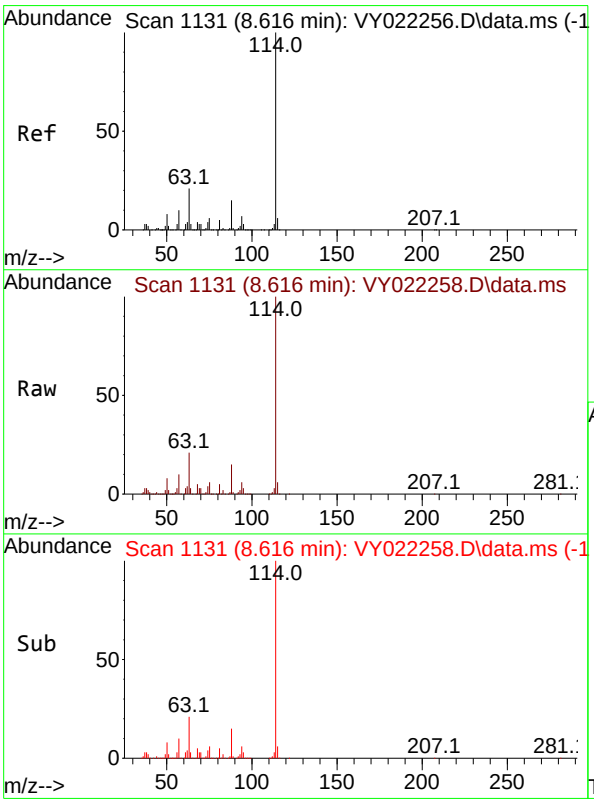
#33
1,2-Dichloroethane-d4
Concen: 153.739 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 455385

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6

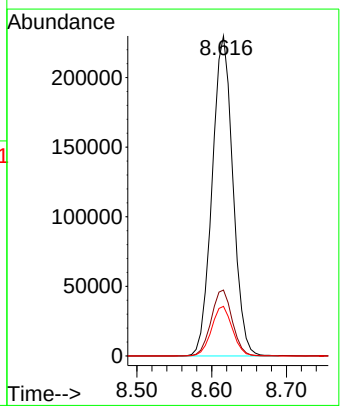


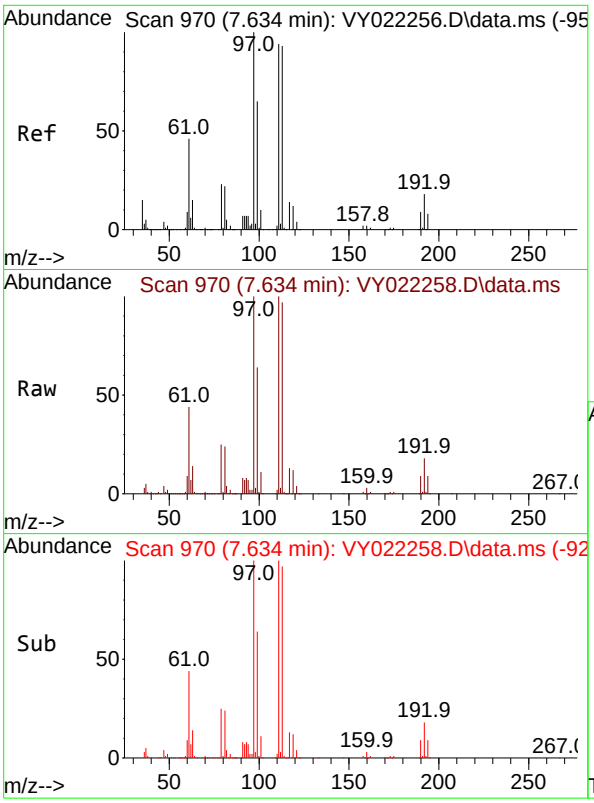


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:114 Resp: 442917

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.5	0.0	29.4



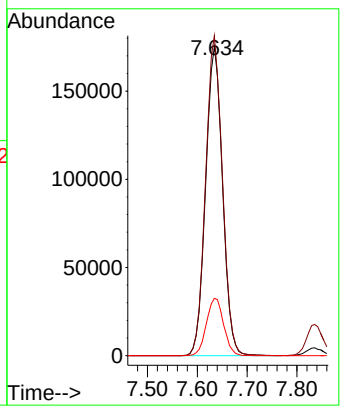


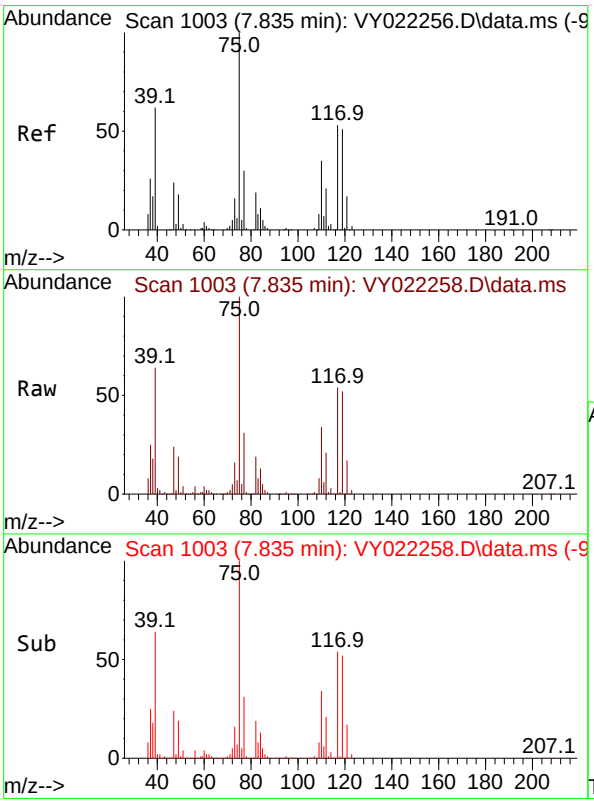
#35
Dibromofluoromethane
Concen: 155.969 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 412318

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.9	15.2	22.8

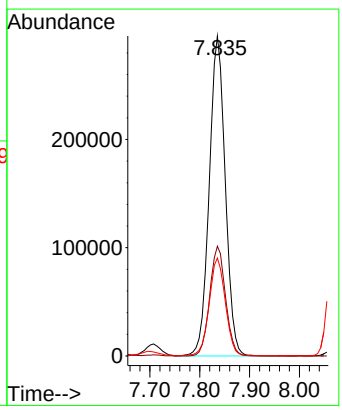


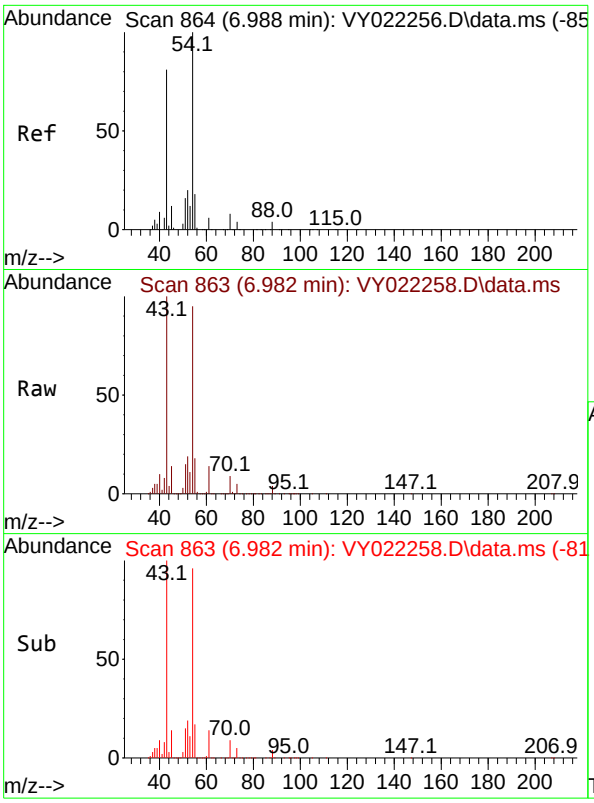


#36
1,1-Dichloropropene
Concen: 151.316 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 658871

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.6	49.8
77	30.7	24.6	37.0



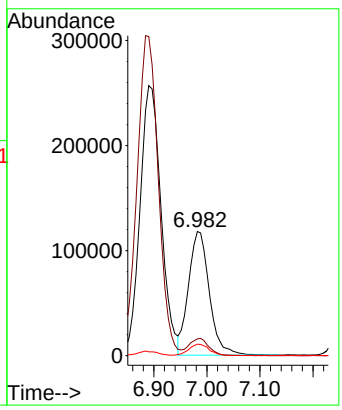


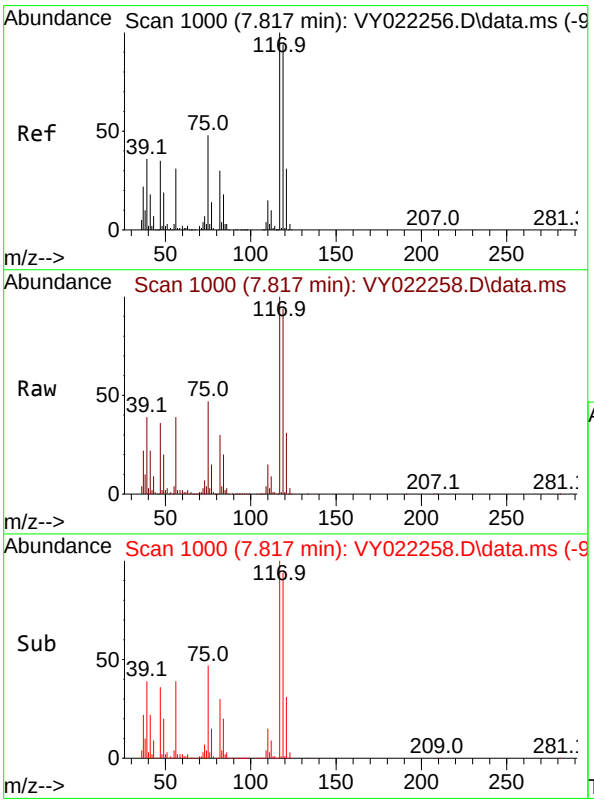
#37
Ethyl Acetate
Concen: 153.067 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 320686

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.3	7.6	11.4

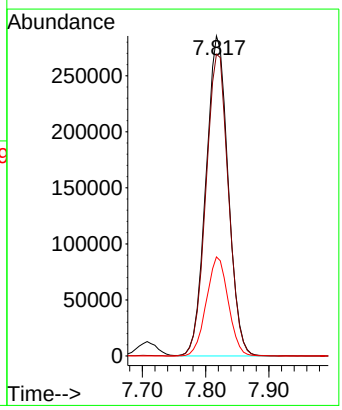


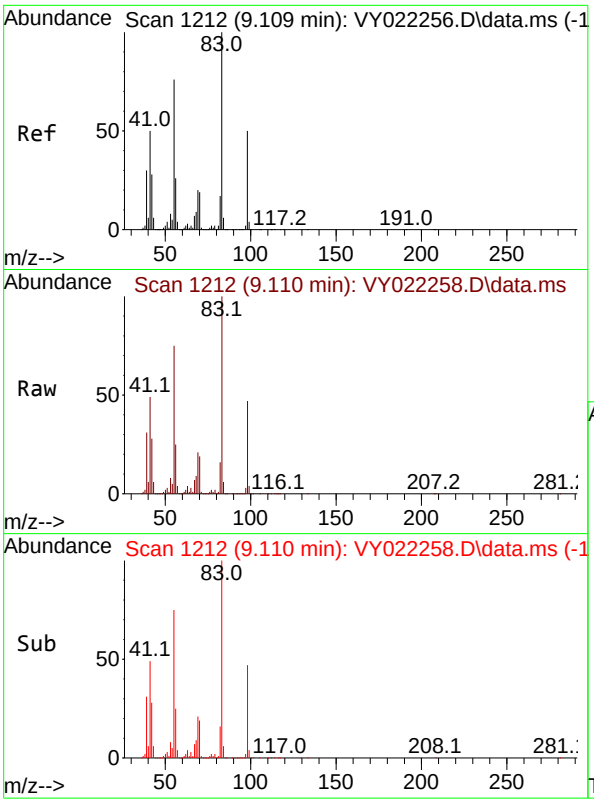


#38
Carbon Tetrachloride
Concen: 154.450 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 696139

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.3	112.9
121	30.9	24.7	37.1



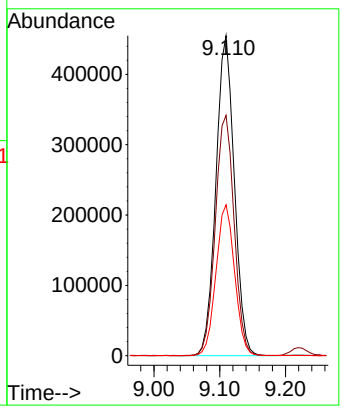


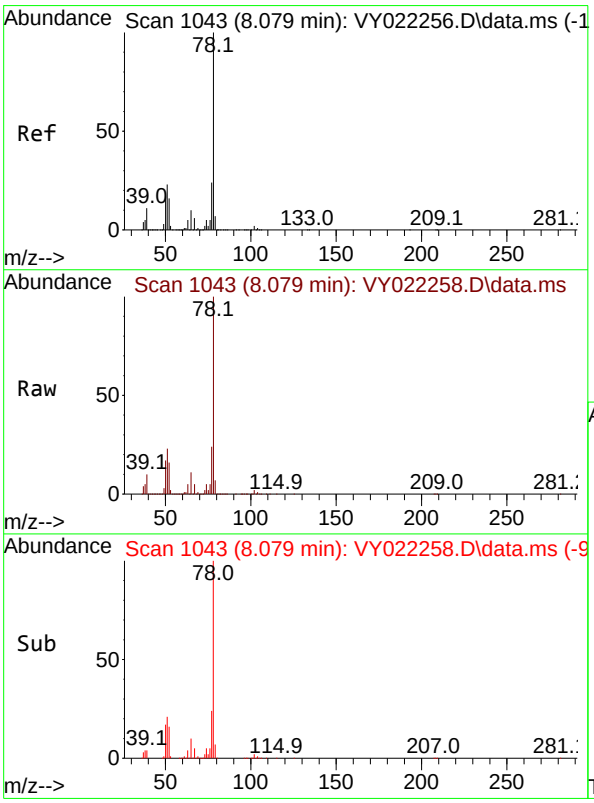
#39
Methylcyclohexane
Concen: 151.510 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 886329

Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.6	90.8
98	47.2	40.0	60.0

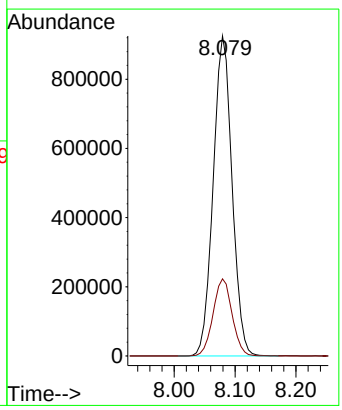


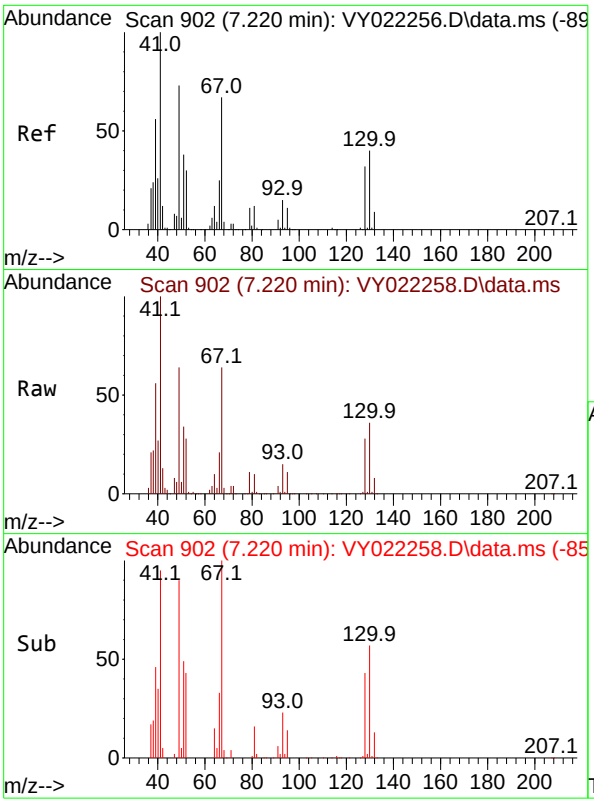


#40
Benzene
Concen: 153.973 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 78 Resp: 1987535

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3



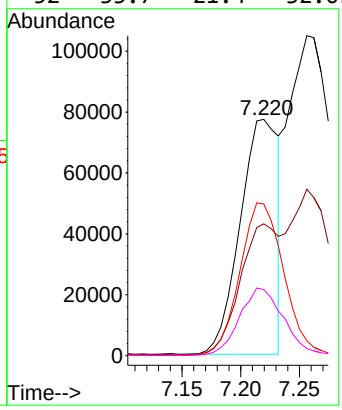


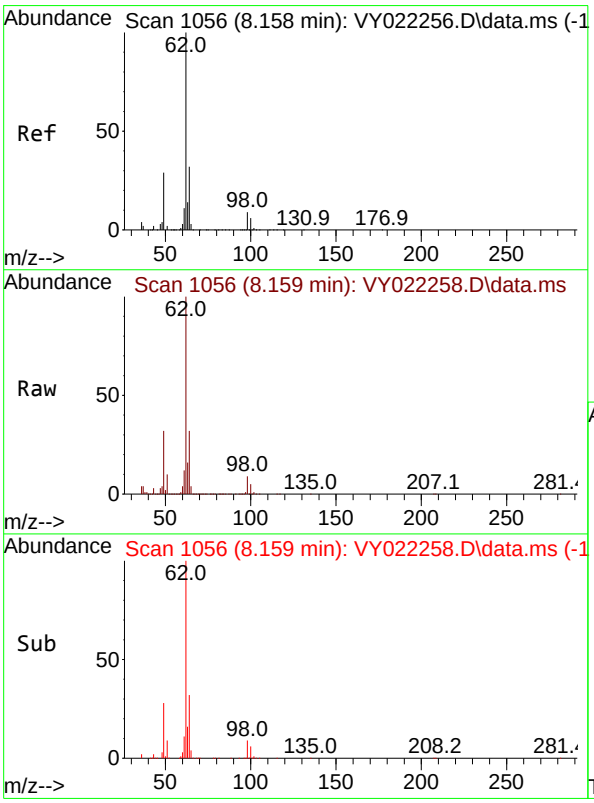
#41
Methacrylonitrile
Concen: 114.006 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 174771

Ion	Ratio	Lower	Upper
41	100		
39	55.2	39.1	58.7
67	74.7	47.1	70.7#
52	33.7	21.4	32.0#

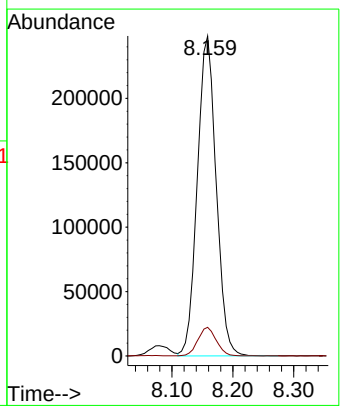


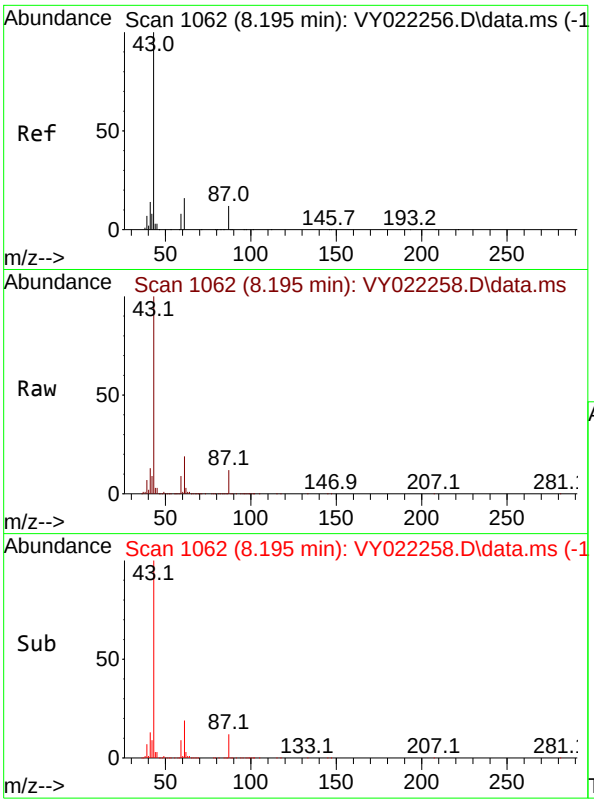


#42
1,2-Dichloroethane
Concen: 153.124 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 534517

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4



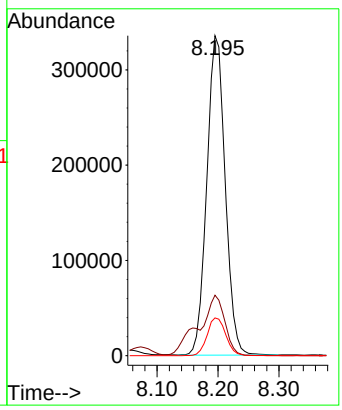


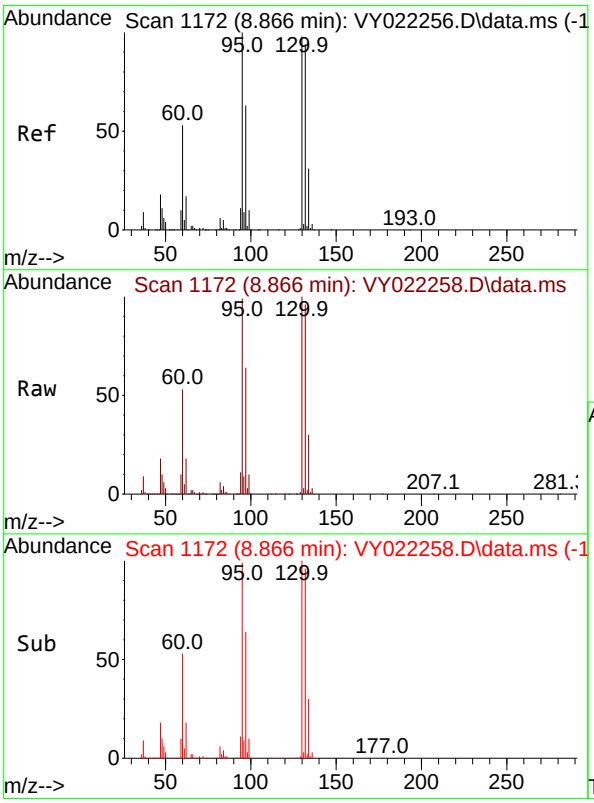
#43
Isopropyl Acetate
Concen: 154.159 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 704366

Ion	Ratio	Lower	Upper
43	100		
61	27.0	15.1	22.7#
87	12.0	9.7	14.5

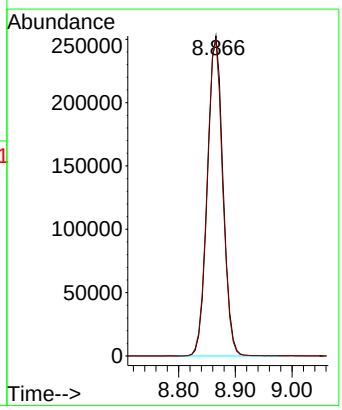


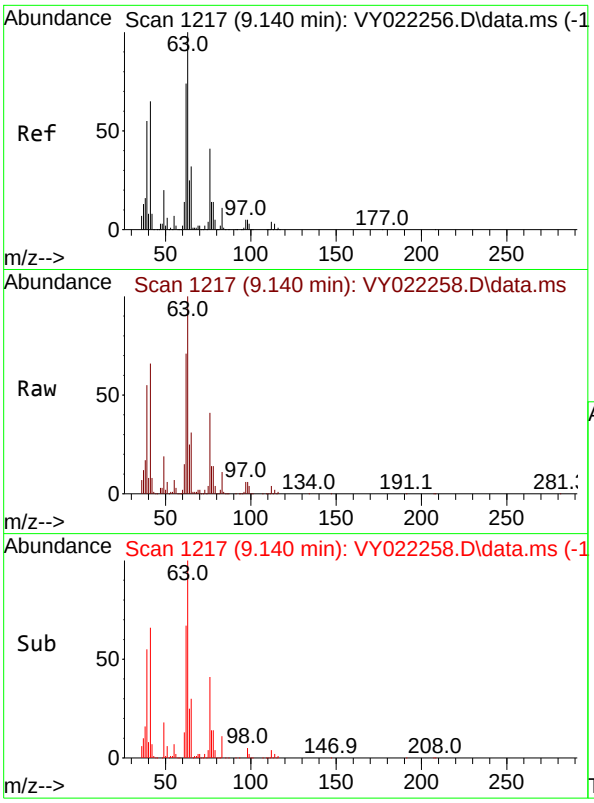


#44
Trichloroethene
Concen: 150.171 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:130 Resp: 481990

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	204.8



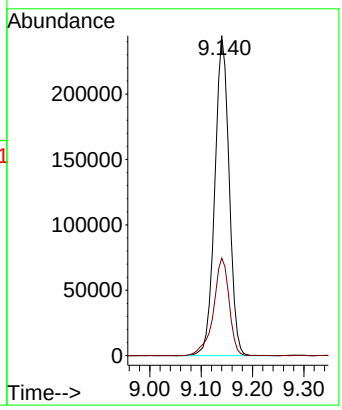


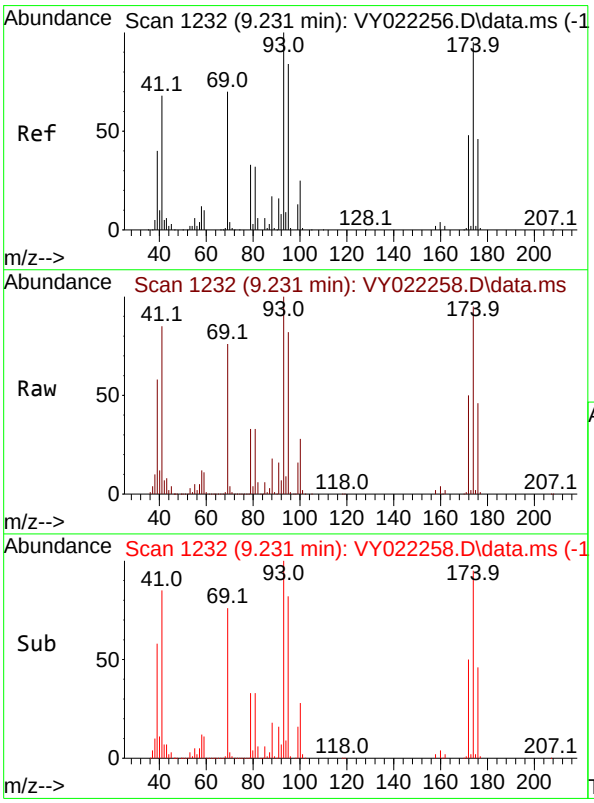
#45
1,2-Dichloropropane
Concen: 151.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 472217

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5

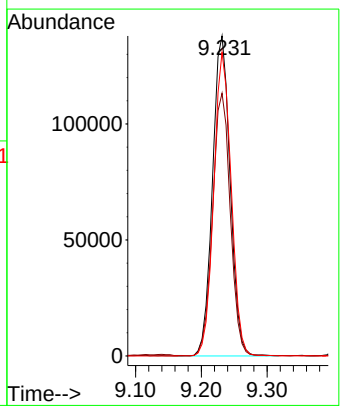


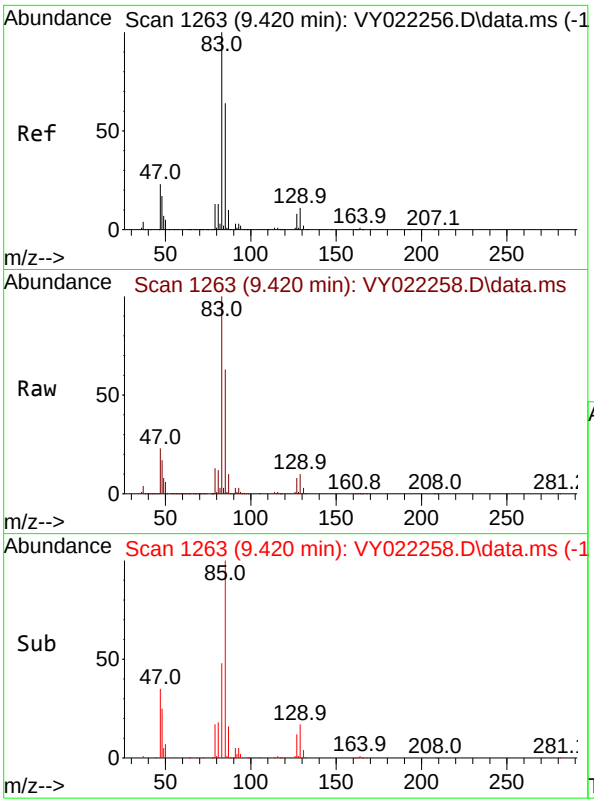


#46
Dibromomethane
Concen: 153.757 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 93 Resp: 258087

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.2	97.8
174	93.5	74.3	111.5



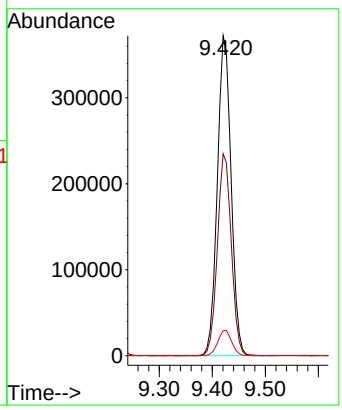


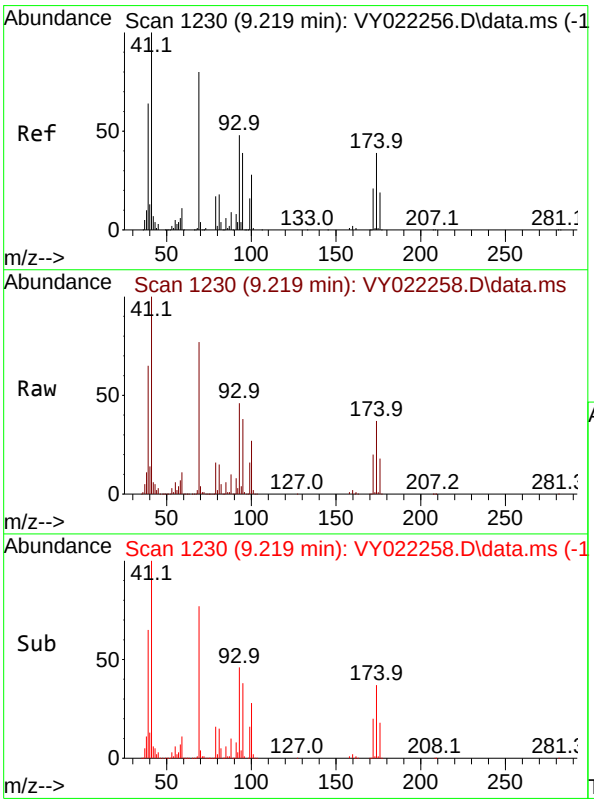
#47
Bromodichloromethane
Concen: 153.824 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 669834

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.8	6.6	10.0

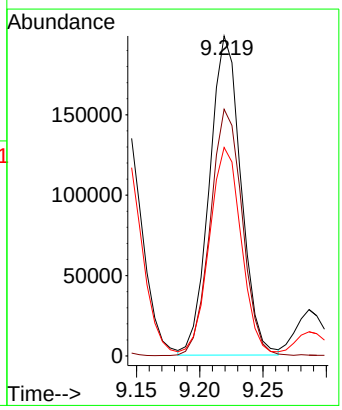


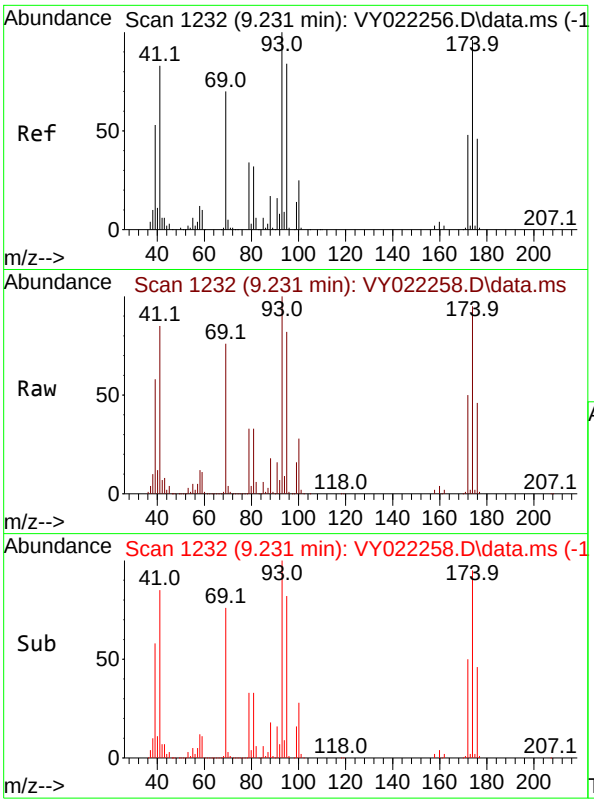


#48
Methyl methacrylate
Concen: 161.060 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 344147

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.5	95.3
39	64.1	50.8	76.2



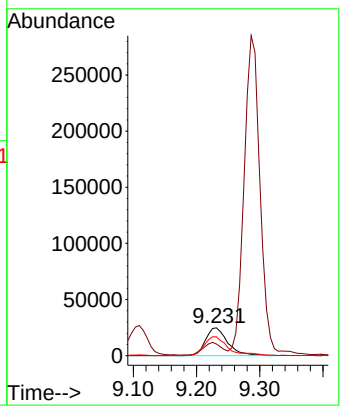


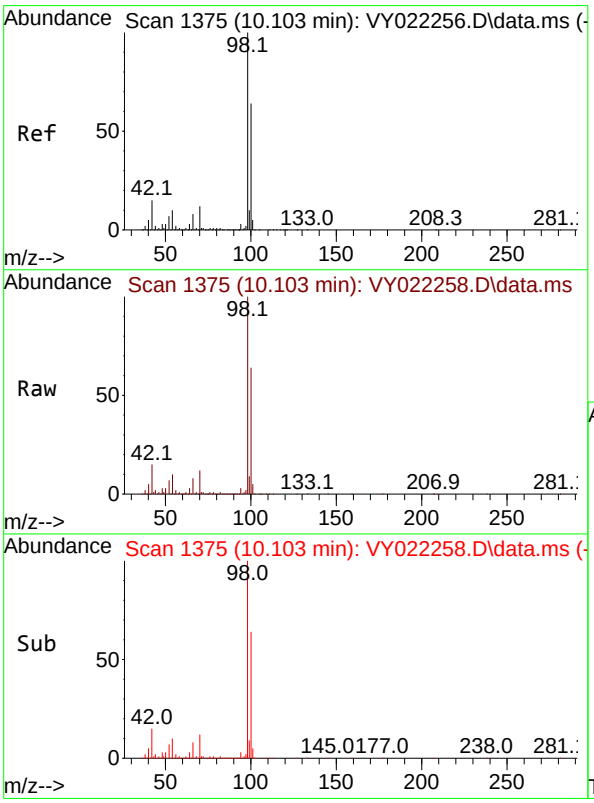
#49
1,4-Dioxane
Concen: 3217.888 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 61019

Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.5	42.7
58	71.3	61.4	92.2

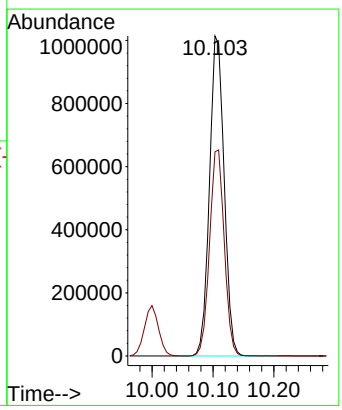


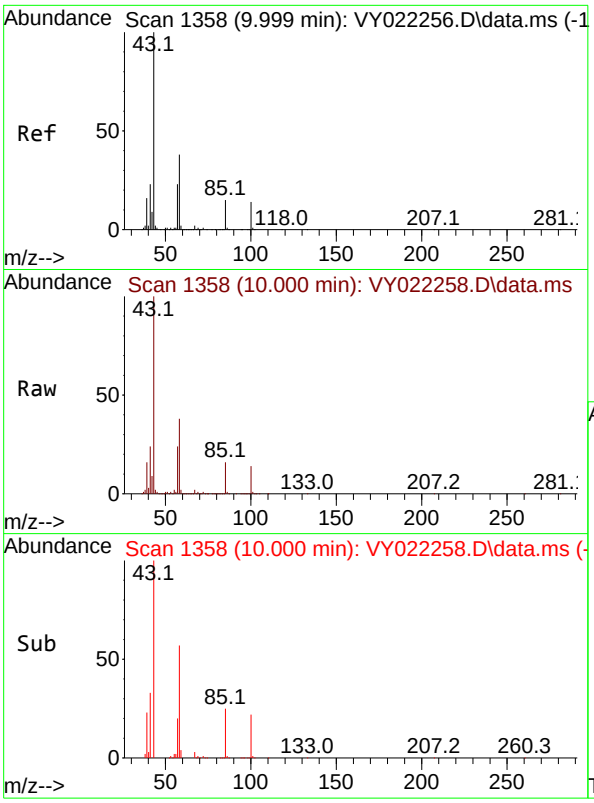


#50
Toluene-d8
Concen: 156.065 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 98 Resp: 1689714

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8



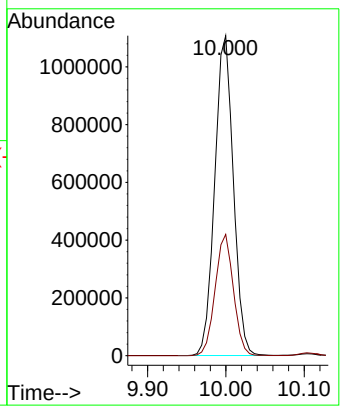


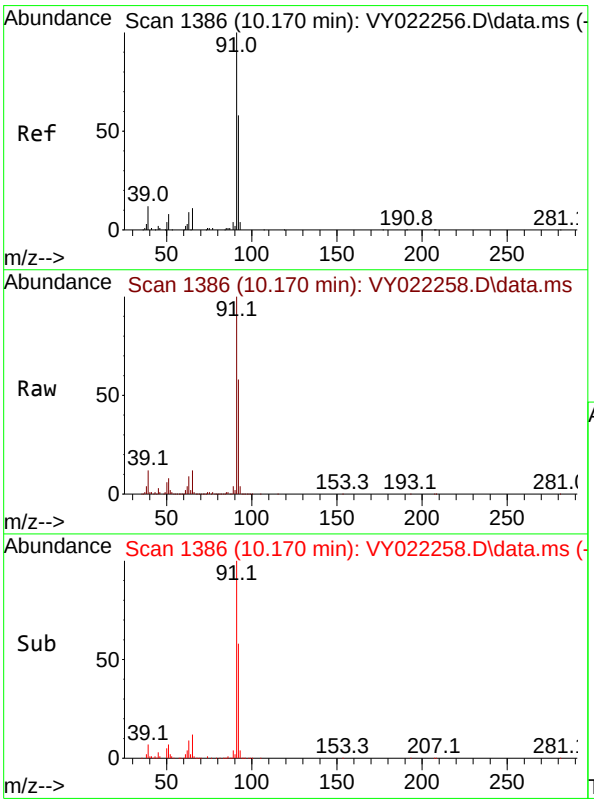
#51
4-Methyl-2-Pentanone
Concen: 815.822 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1829015

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.4	44.2

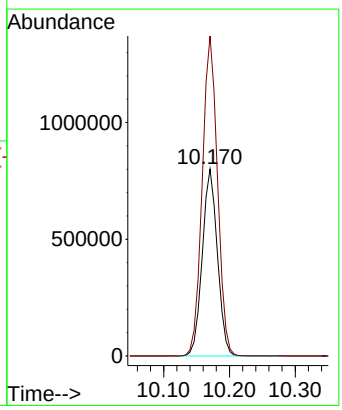


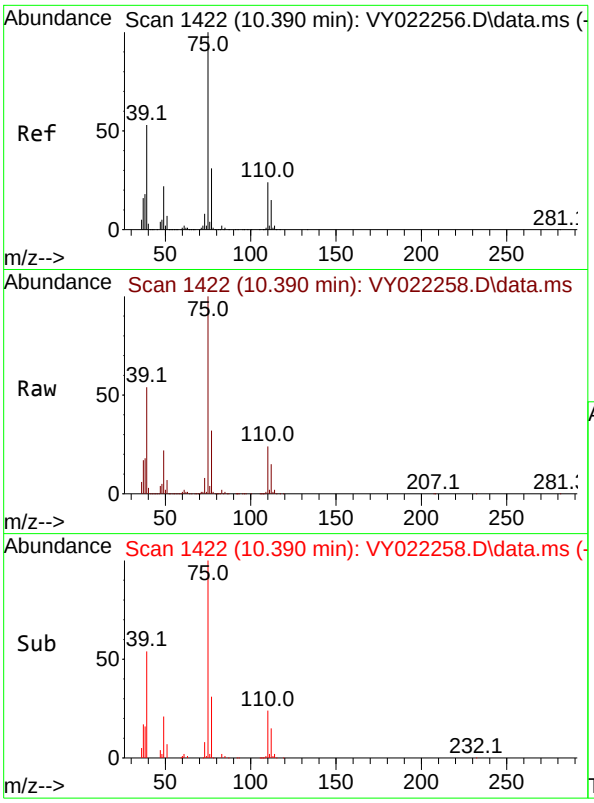


#52
Toluene
Concen: 156.216 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 92 Resp: 1276917

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.1	208.7



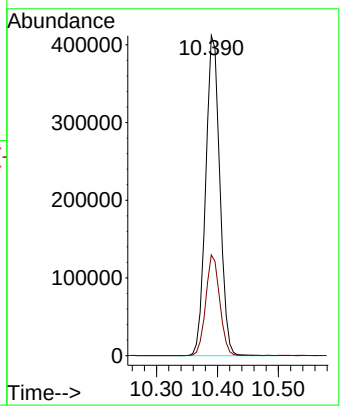


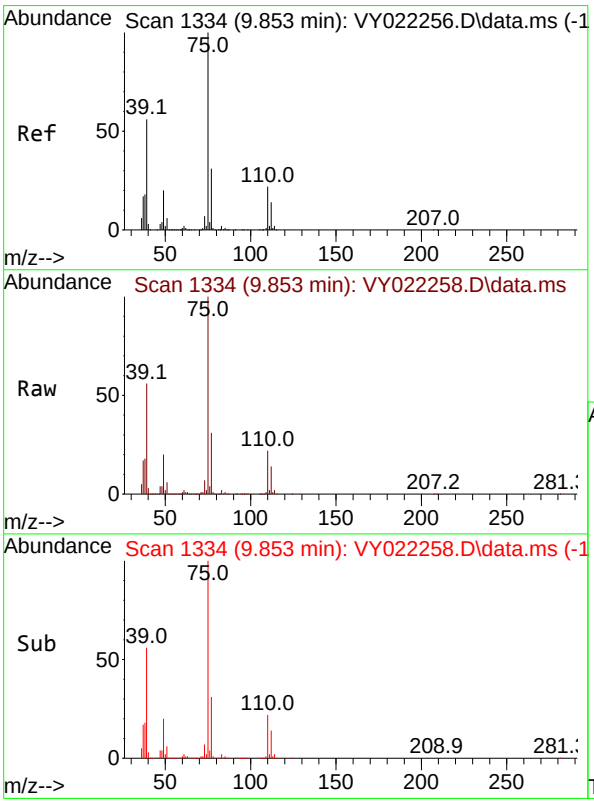
#53
t-1,3-Dichloropropene
Concen: 156.134 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 663513

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

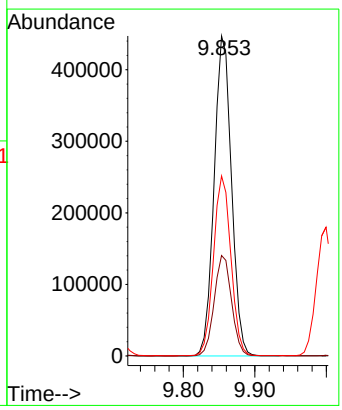


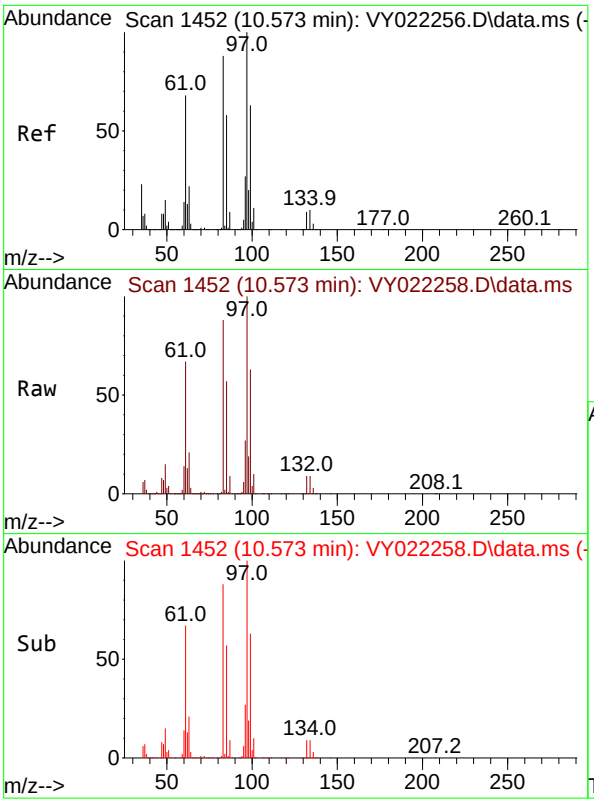


#54
cis-1,3-Dichloropropene
Concen: 154.963 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 754493

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	56.2	44.5	66.7



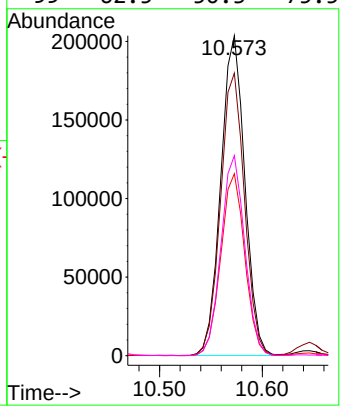


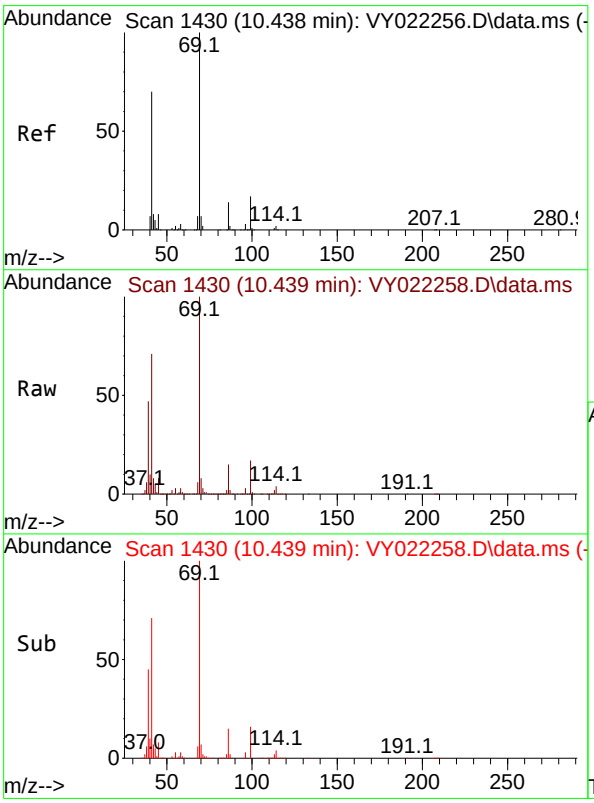
#55
1,1,2-Trichloroethane
Concen: 153.863 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 330716

Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.3	105.5
85	56.8	46.2	69.4
99	62.5	50.3	75.5

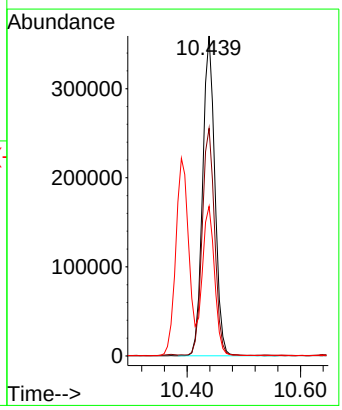


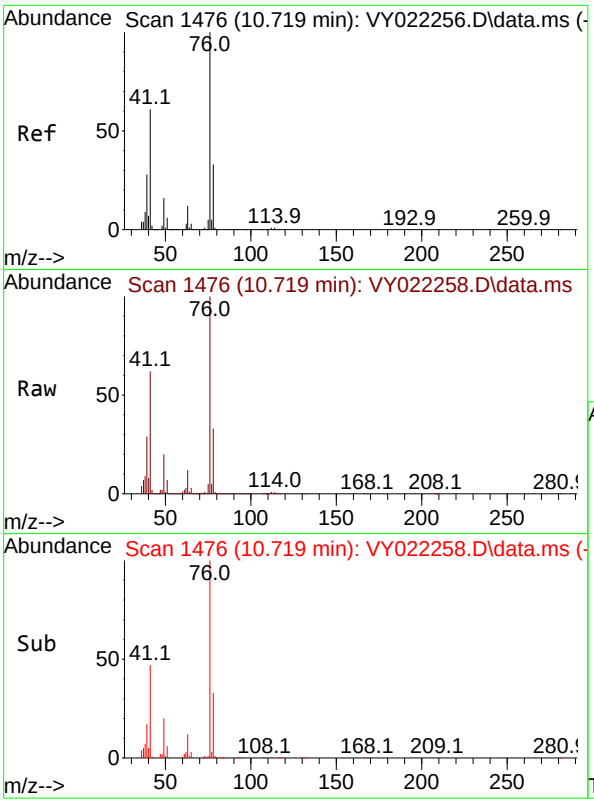


#56
Ethyl methacrylate
Concen: 160.058 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 69 Resp: 535897

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.5	84.7
39	46.8	37.1	55.7



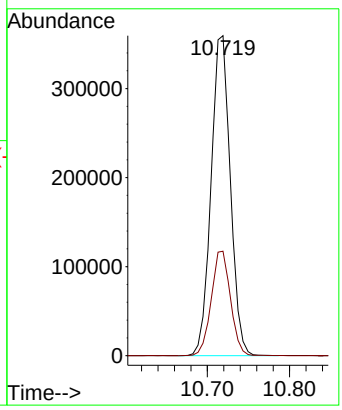


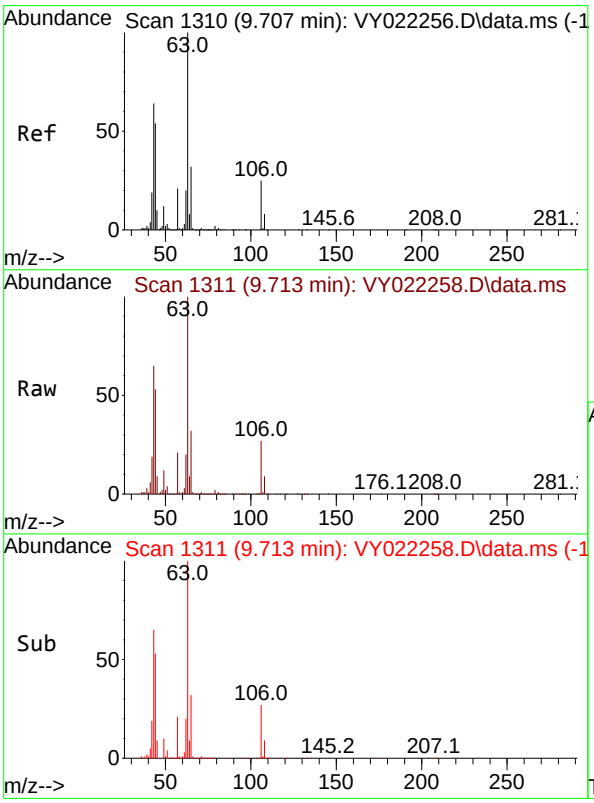
#57
1,3-Dichloropropane
Concen: 152.987 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 584253

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

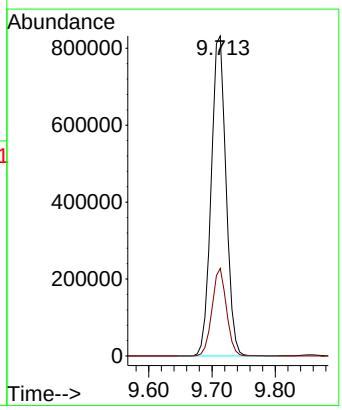


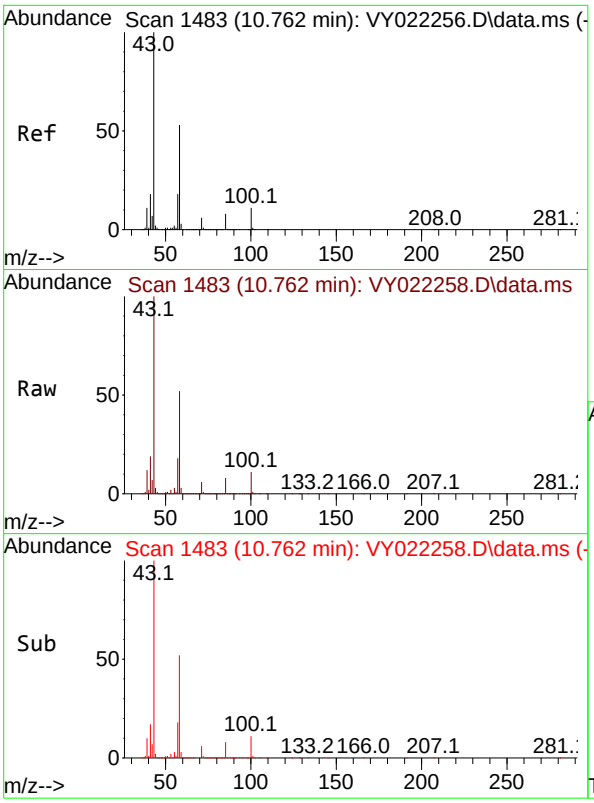


#58
2-Chloroethyl Vinyl ether
Concen: 898.675 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 1350536

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4



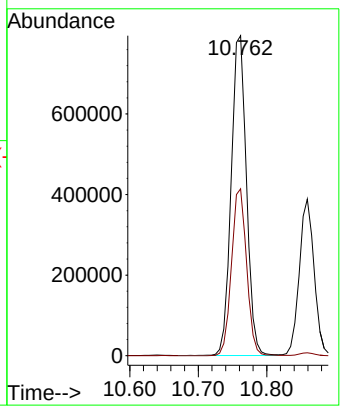


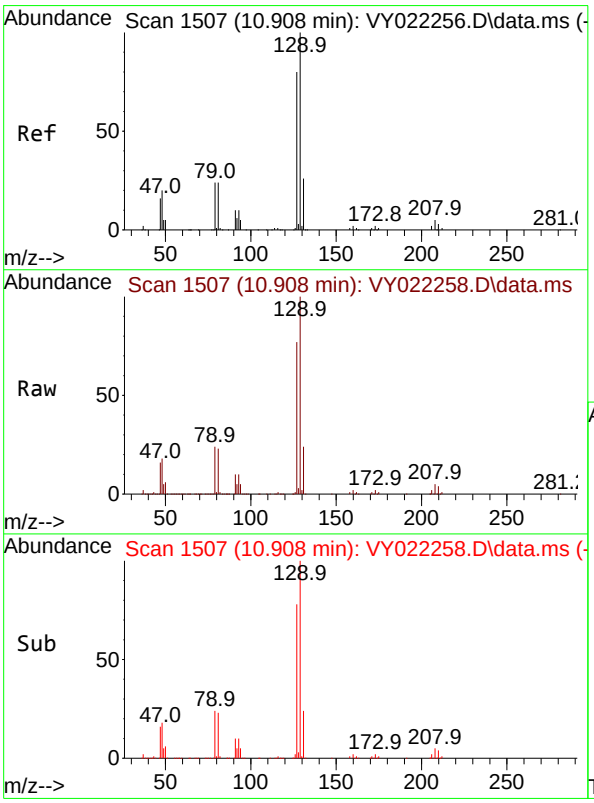
#59
2-Hexanone
Concen: 816.860 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1227881

Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.1	78.3

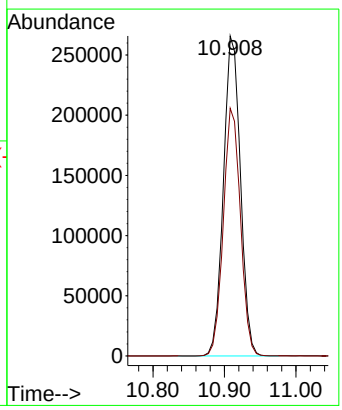


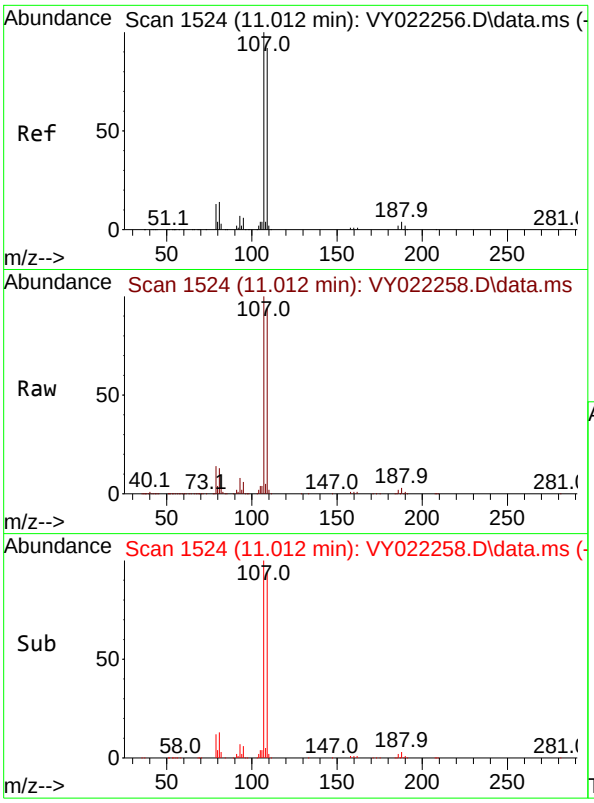


#60
Dibromochloromethane
Concen: 157.237 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:129 Resp: 438666

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7



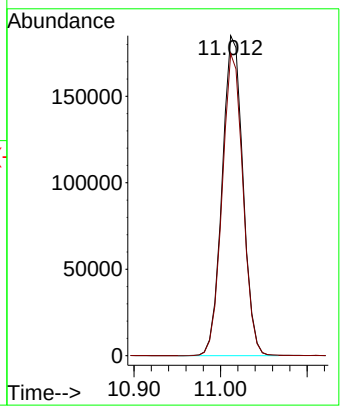


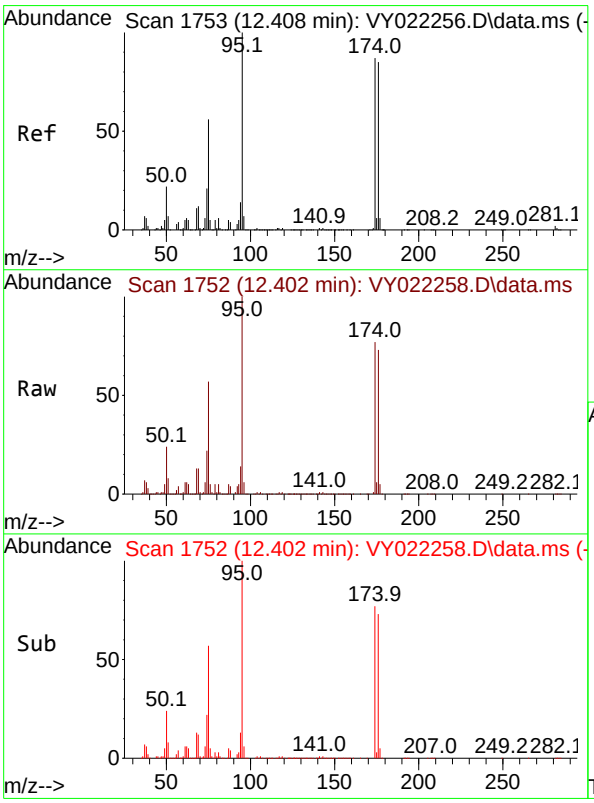
#61
1,2-Dibromoethane
Concen: 154.008 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 308529

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8

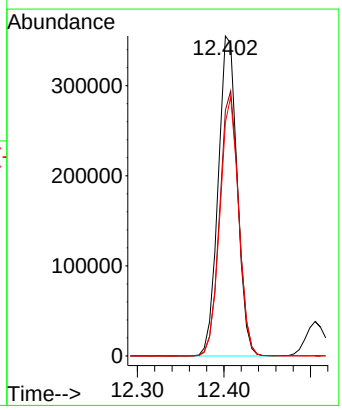


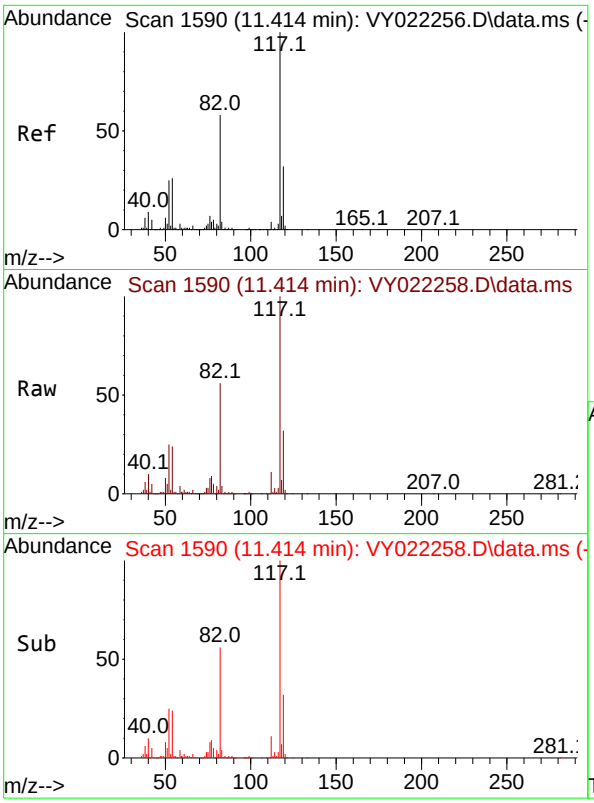


#62
4-Bromofluorobenzene
Concen: 157.751 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 95 Resp: 541367

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	166.8
176	79.8	0.0	160.8



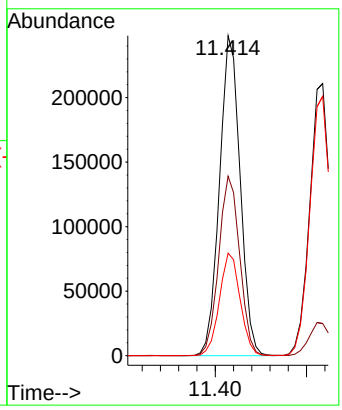


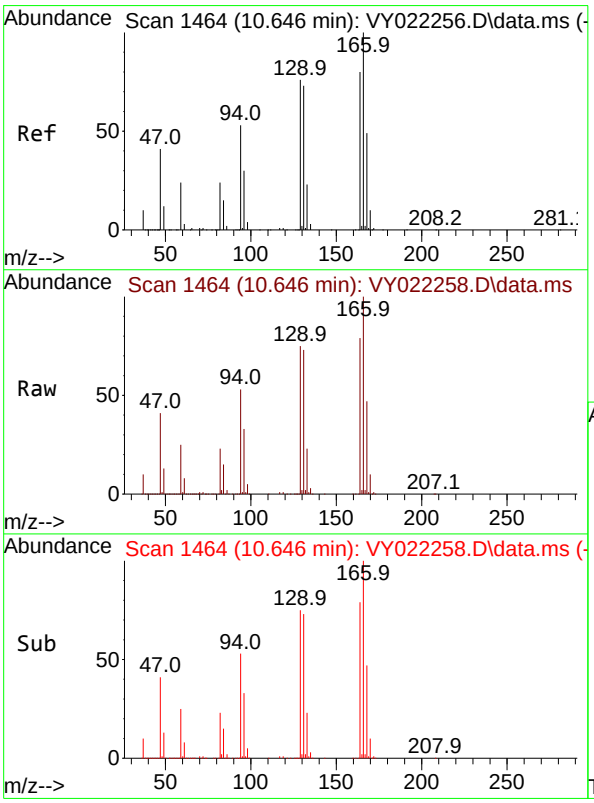
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 389769

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.6	70.0
119	32.0	25.8	38.6

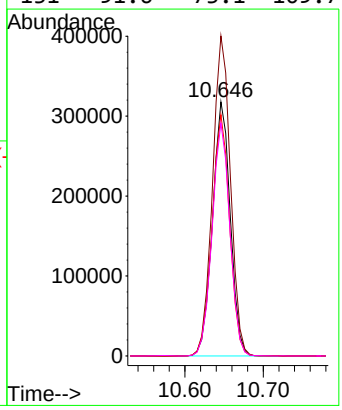


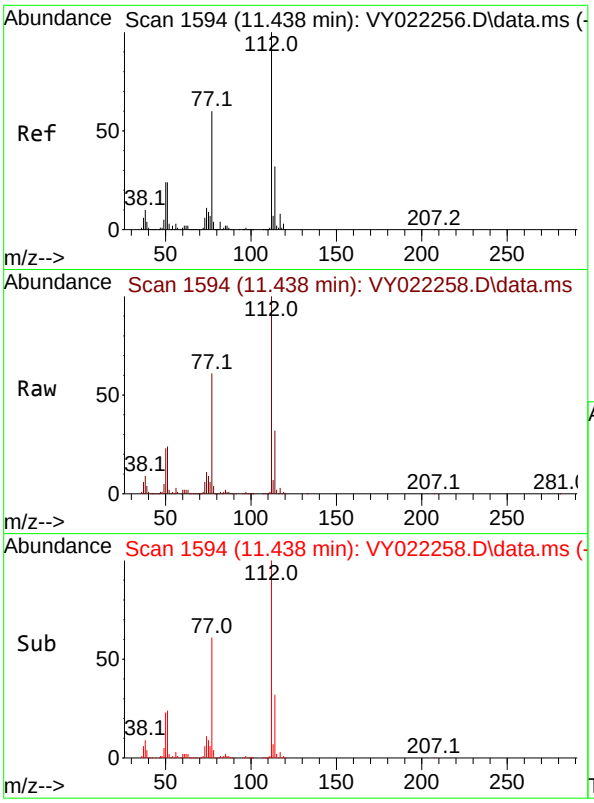


#64
Tetrachloroethene
Concen: 139.237 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:164 Resp: 501627

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	94.9	76.4	114.6
131	91.6	73.1	109.7



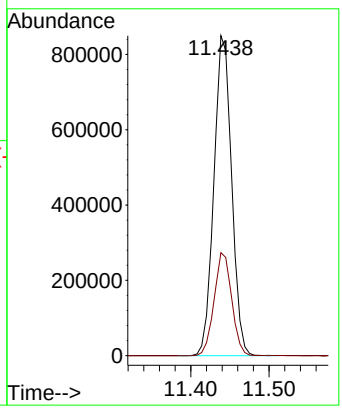


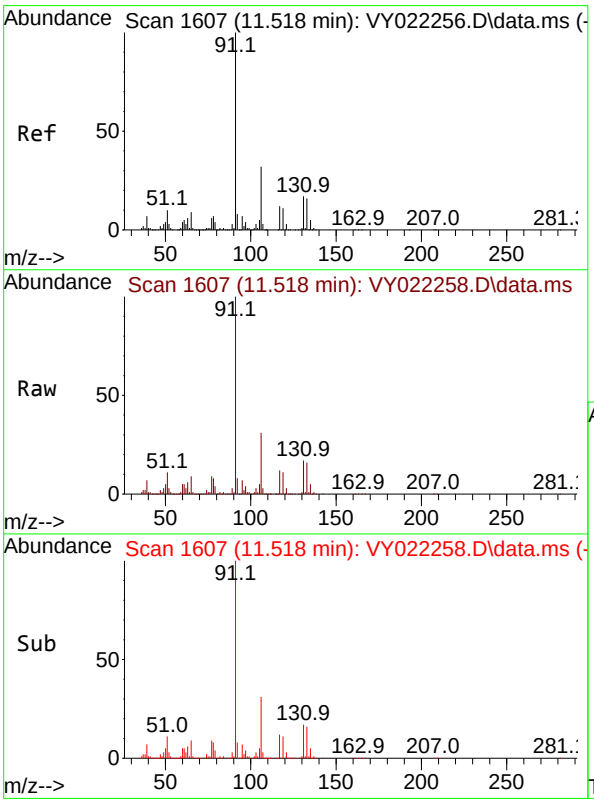
#65
Chlorobenzene
Concen: 151.997 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1336594

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

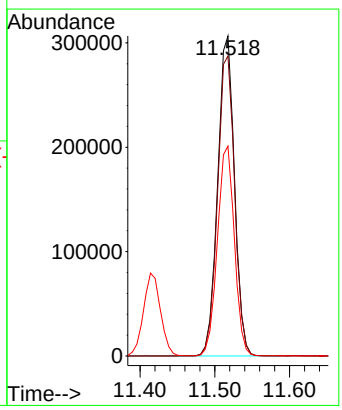


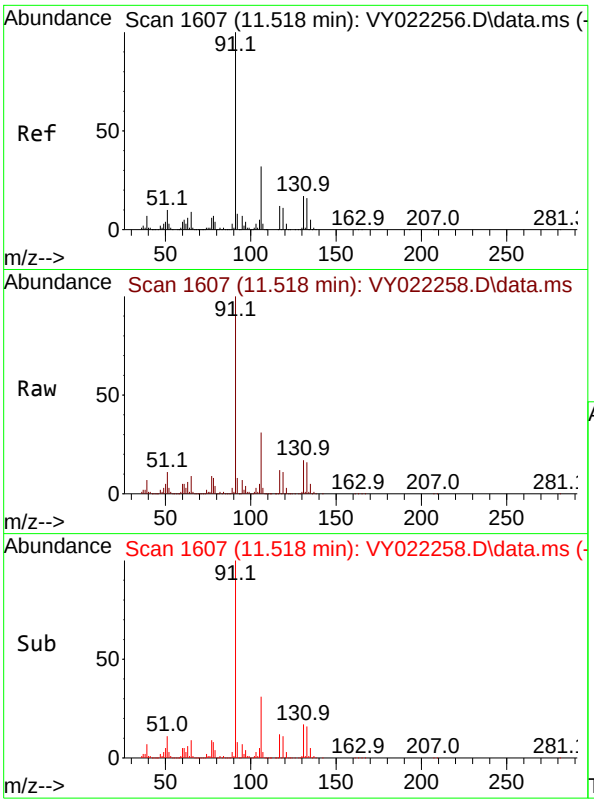


#66
1,1,1,2-Tetrachloroethane
Concen: 158.952 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:131 Resp: 480525

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	66.2	33.1	99.2



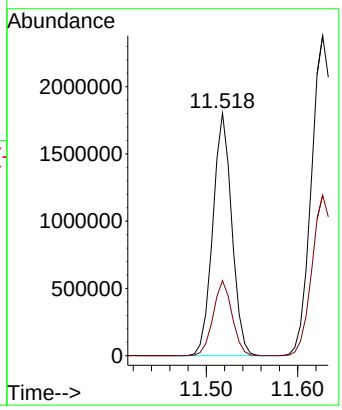


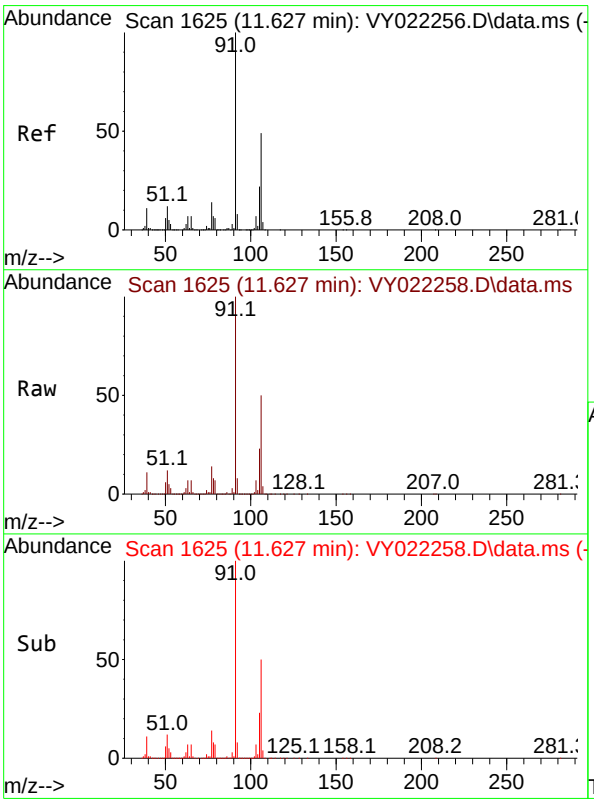
#67
Ethyl Benzene
Concen: 157.756 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2598027

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.0

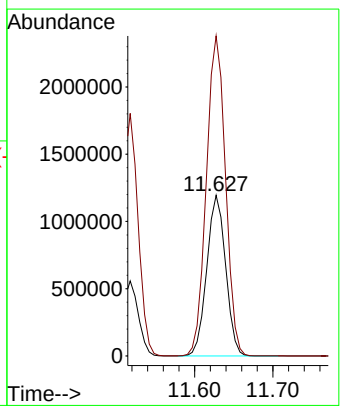


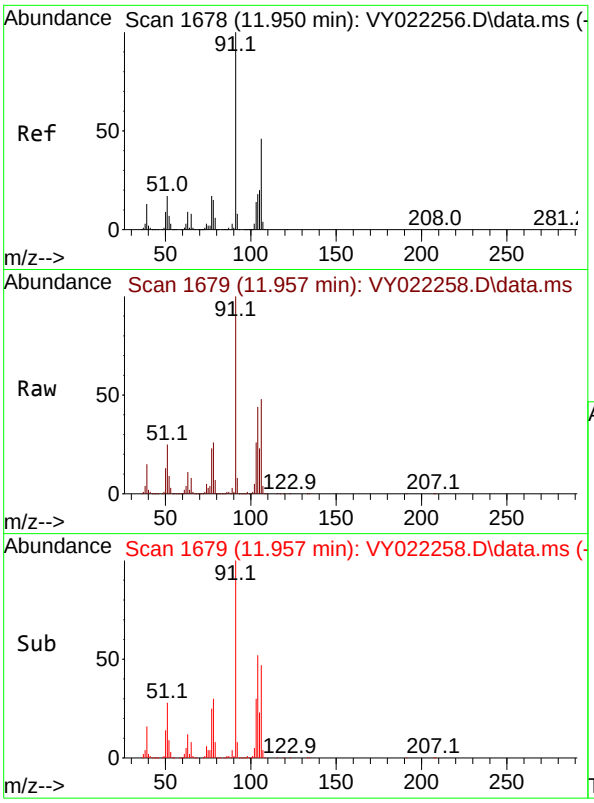


#68
m/p-Xylenes
Concen: 321.066 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:106 Resp: 1992413

Ion	Ratio	Lower	Upper
106	100		
91	202.7	163.0	244.4



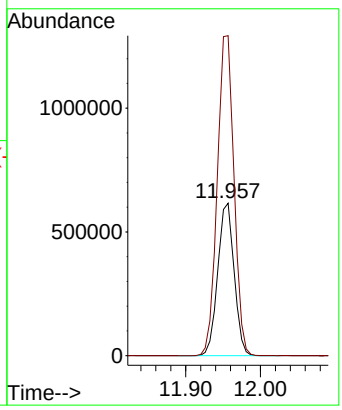


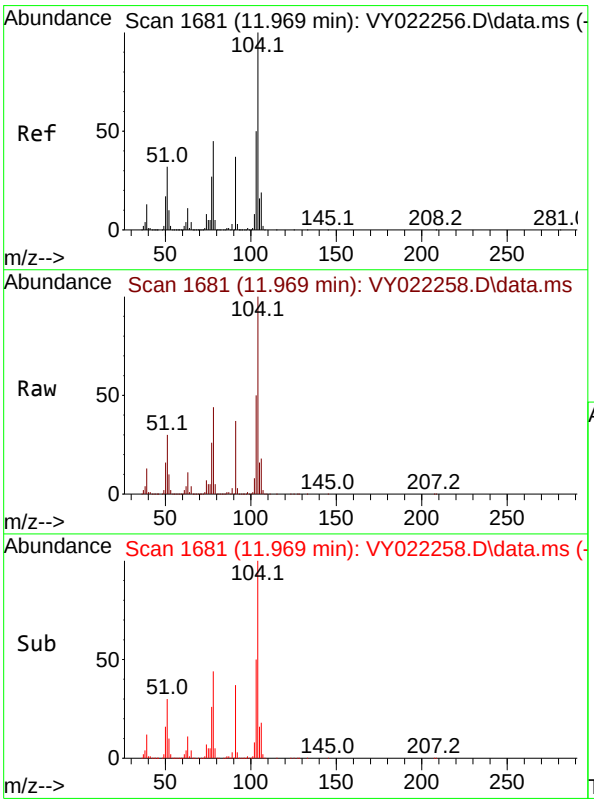
#69
o-Xylene
Concen: 159.714 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 937727

Ion	Ratio	Lower	Upper
106	100		
91	214.6	108.3	324.8

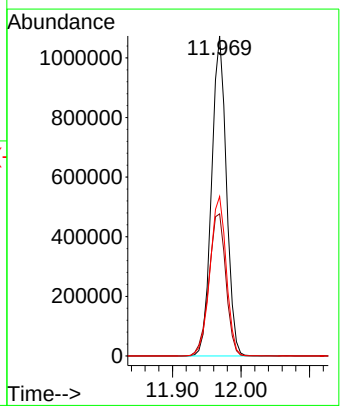


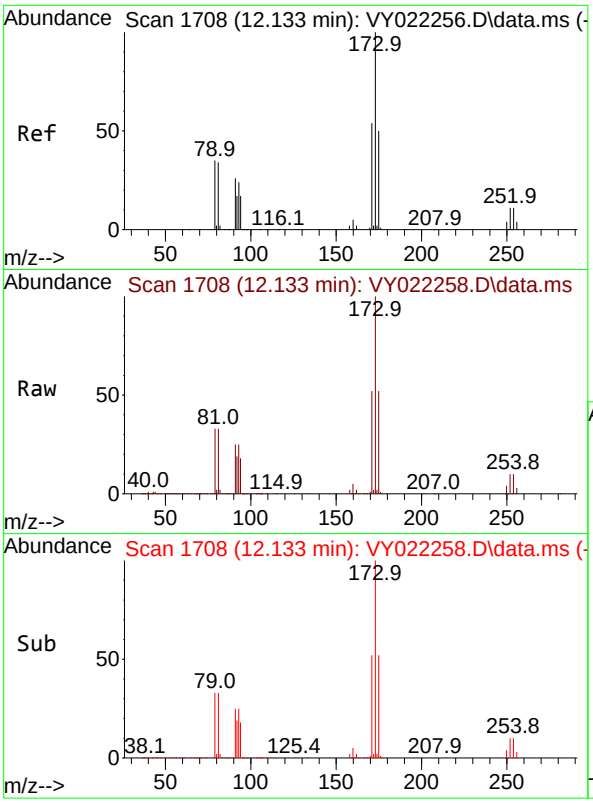


#70
Styrene
Concen: 162.944 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:104 Resp: 1613798

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.9	61.3
103	54.7	43.7	65.5



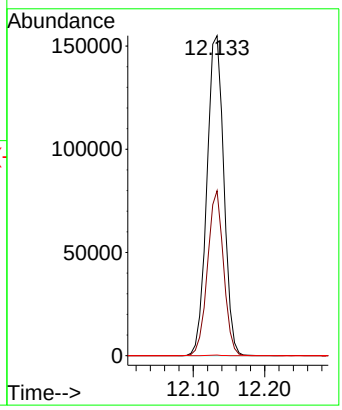


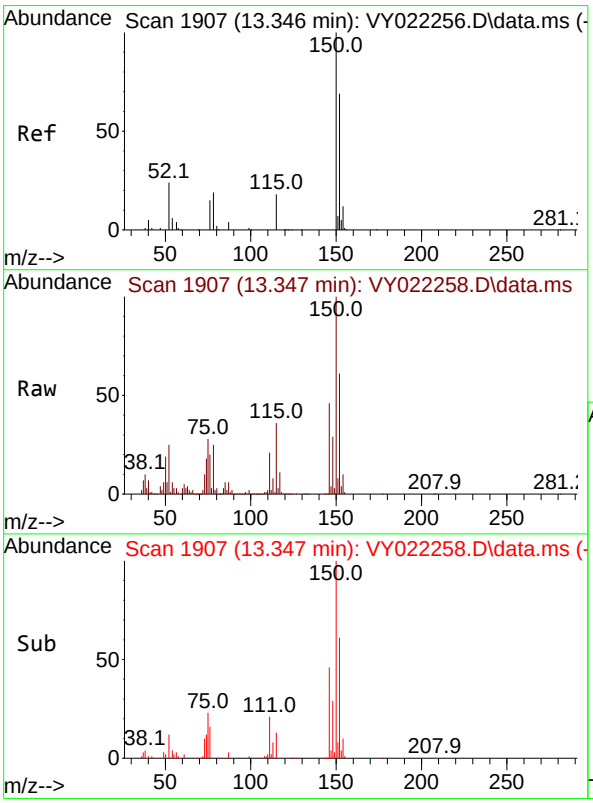
#71
Bromoform
Concen: 155.818 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 254251

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.1	0.0	0.0#

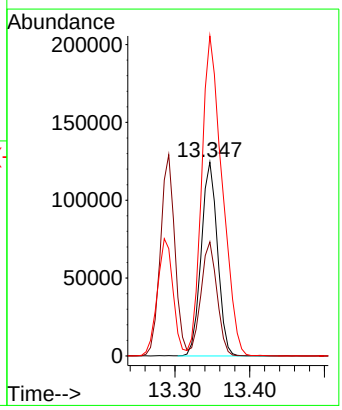


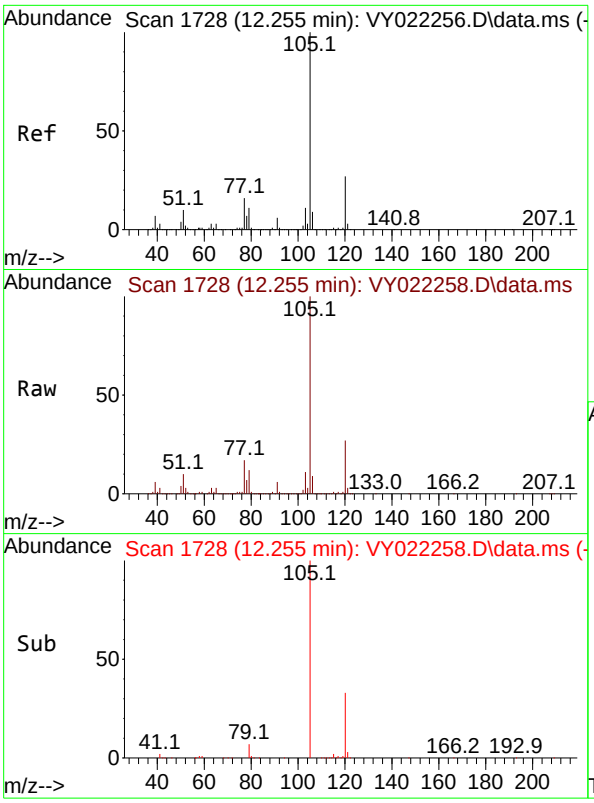


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:152 Resp: 187978

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	208.7	0.0	353.8



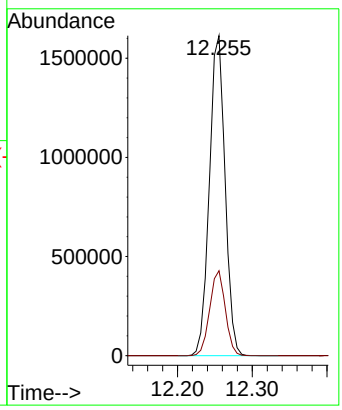


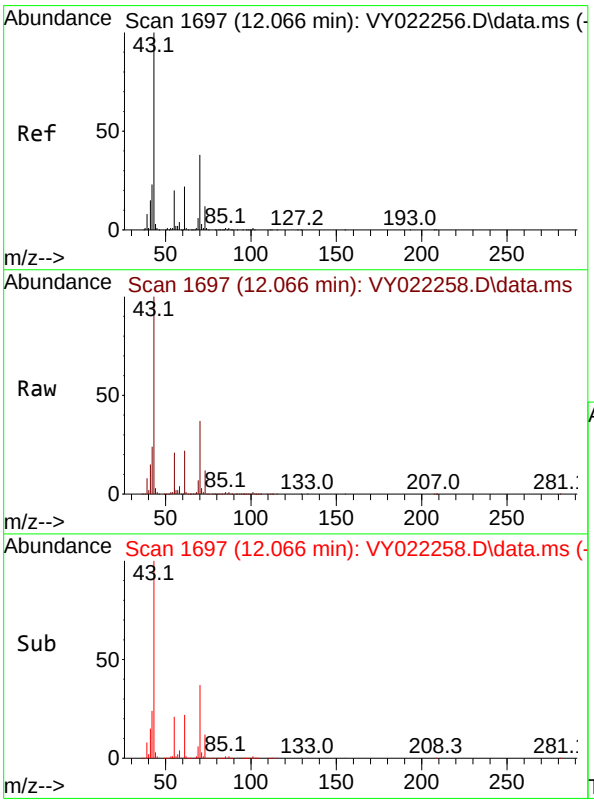
#73
Isopropylbenzene
Concen: 151.387 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2357568

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

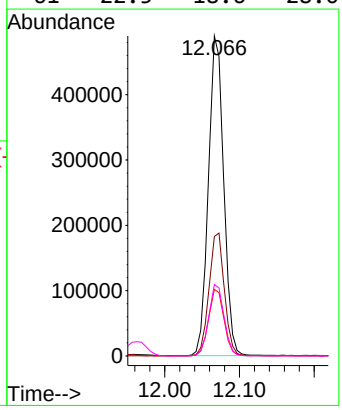


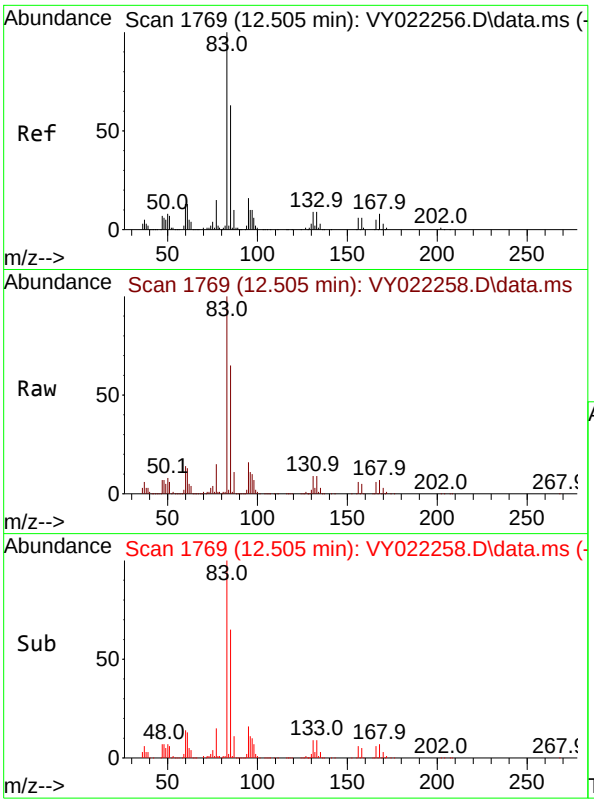


#74
N-amyl acetate
Concen: 156.041 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 694999

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.4	47.0
55	21.0	17.0	25.6
61	22.5	18.6	28.0



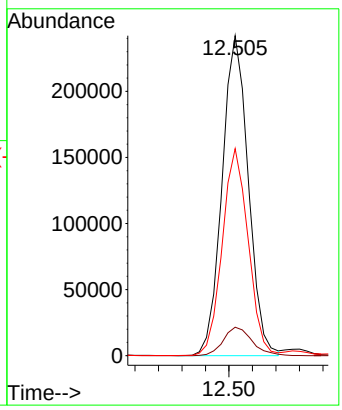


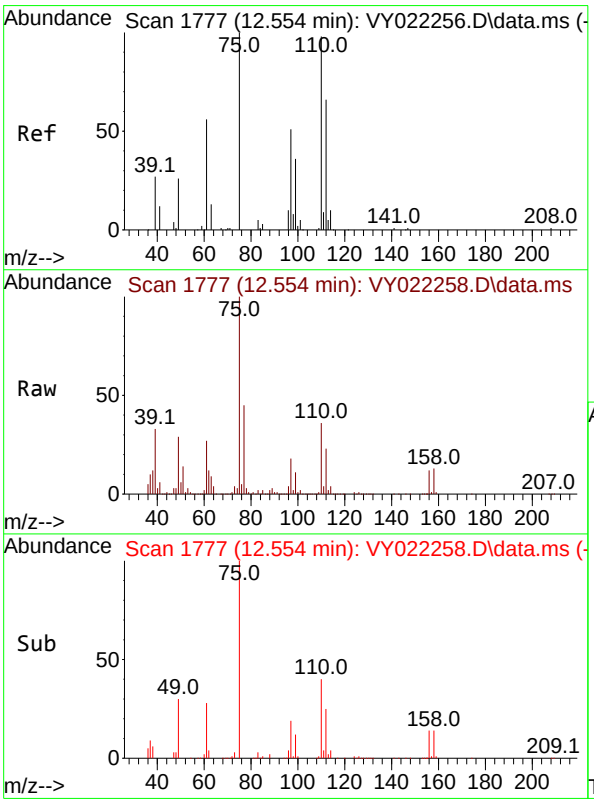
#75
1,1,2,2-Tetrachloroethane
Concen: 156.735 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 375378

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	32.0	96.0

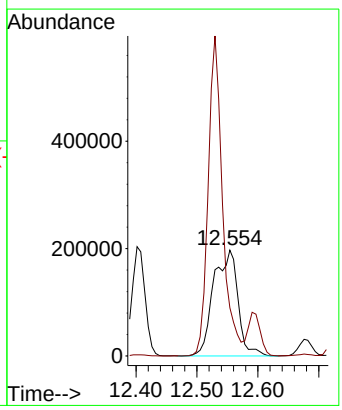


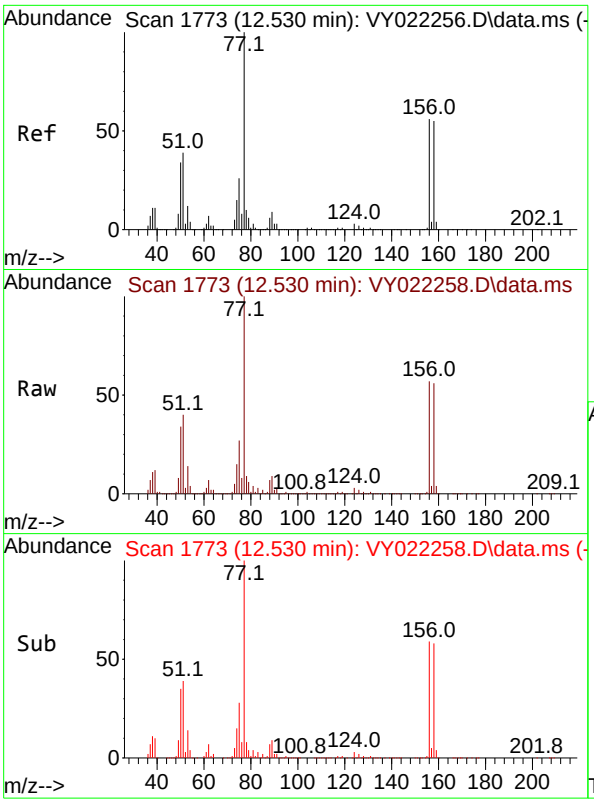


#76
1,2,3-Trichloropropane
Concen: 164.989 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 546605

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



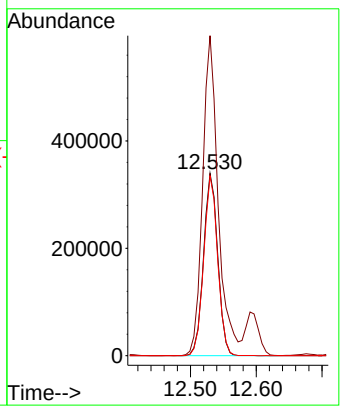


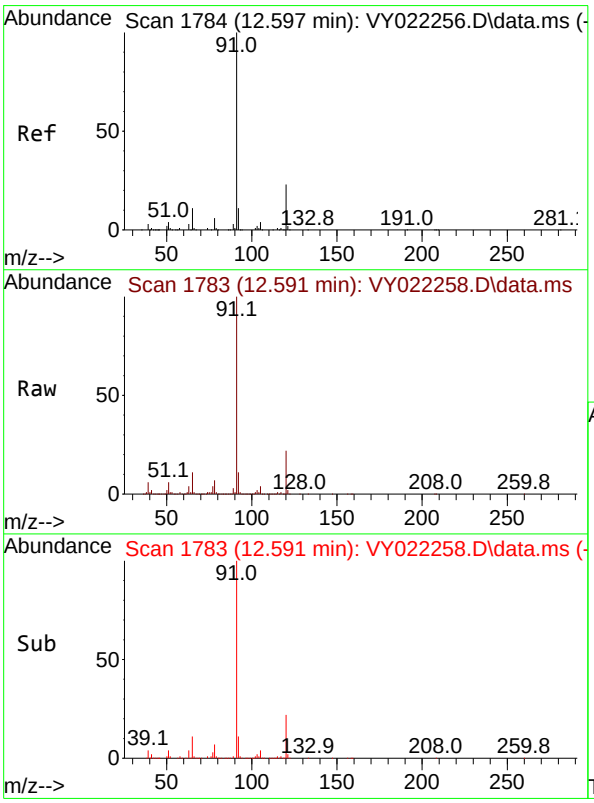
#77
Bromobenzene
Concen: 153.206 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 509579

Ion	Ratio	Lower	Upper
156	100		
77	191.5	94.5	283.6
158	97.3	48.4	145.3

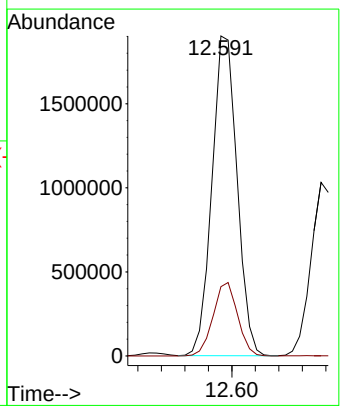


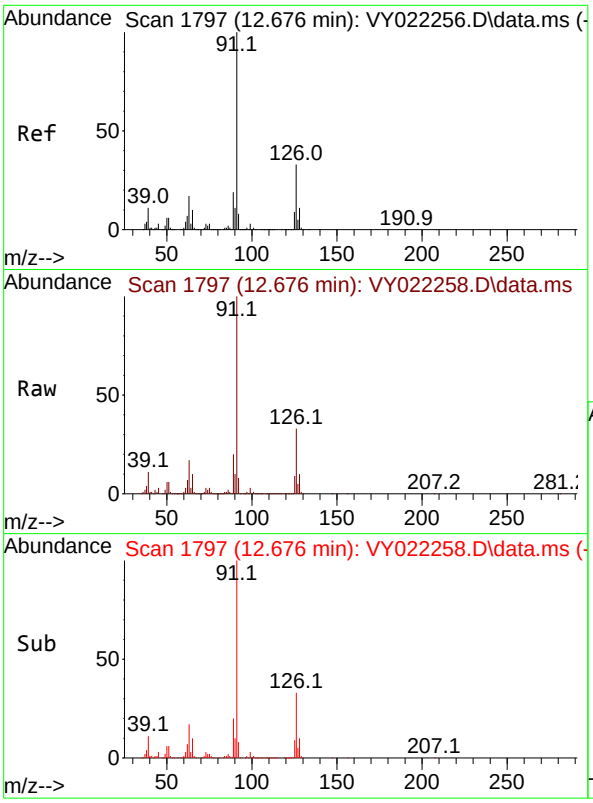


#78
n-propylbenzene
Concen: 150.276 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 2822794

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3



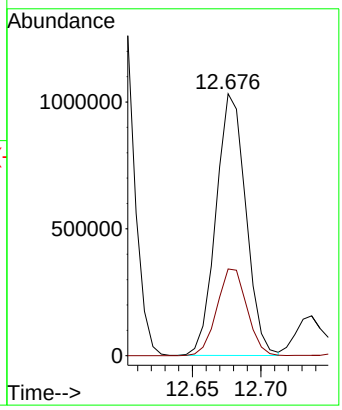


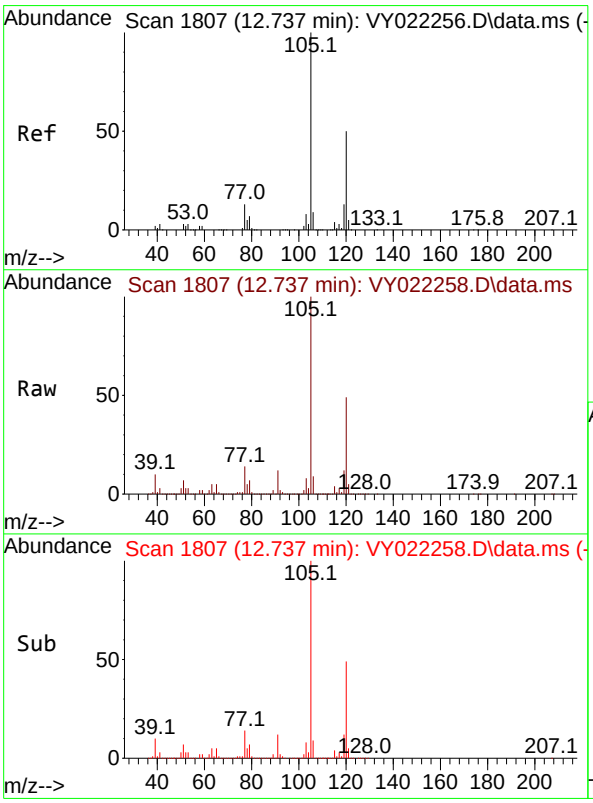
#79
2-Chlorotoluene
Concen: 151.415 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1563003

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4

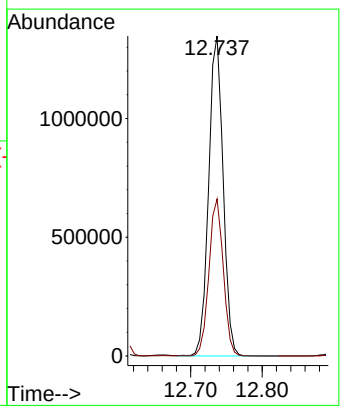


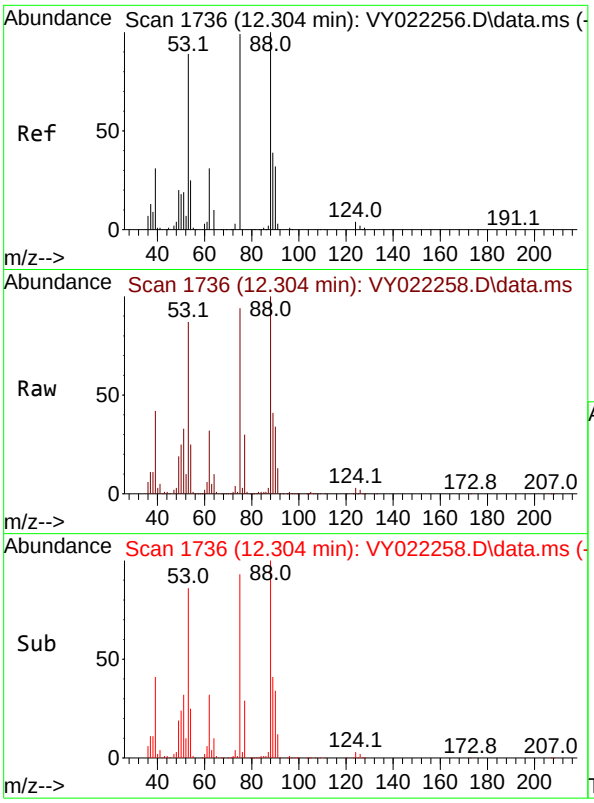


#80
1,3,5-Trimethylbenzene
Concen: 150.219 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1888432

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6



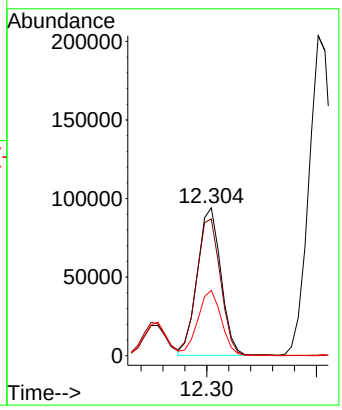


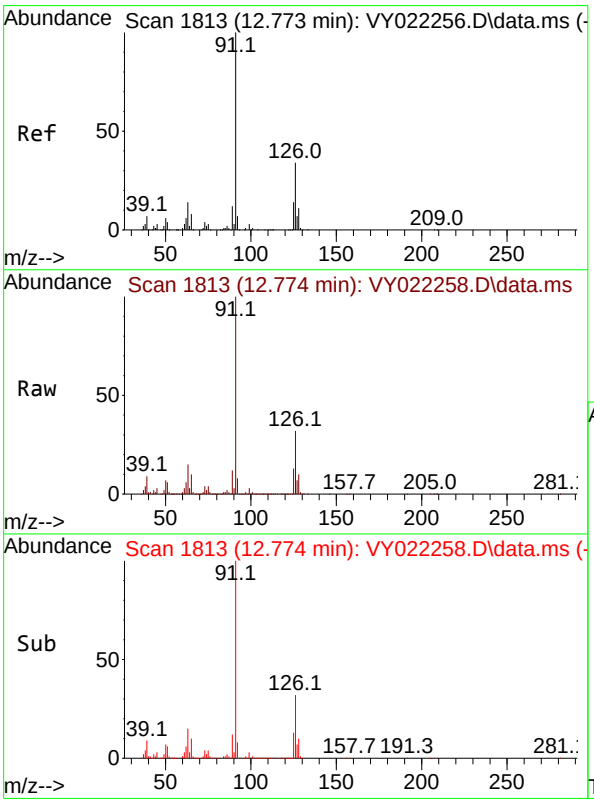
#81
trans-1,4-Dichloro-2-butene
Concen: 148.846 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 139931

Ion	Ratio	Lower	Upper
75	100		
53	95.1	75.8	113.8
89	44.4	36.2	54.2

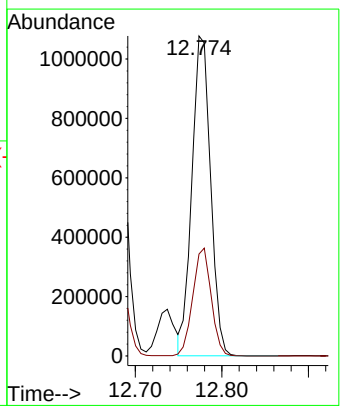


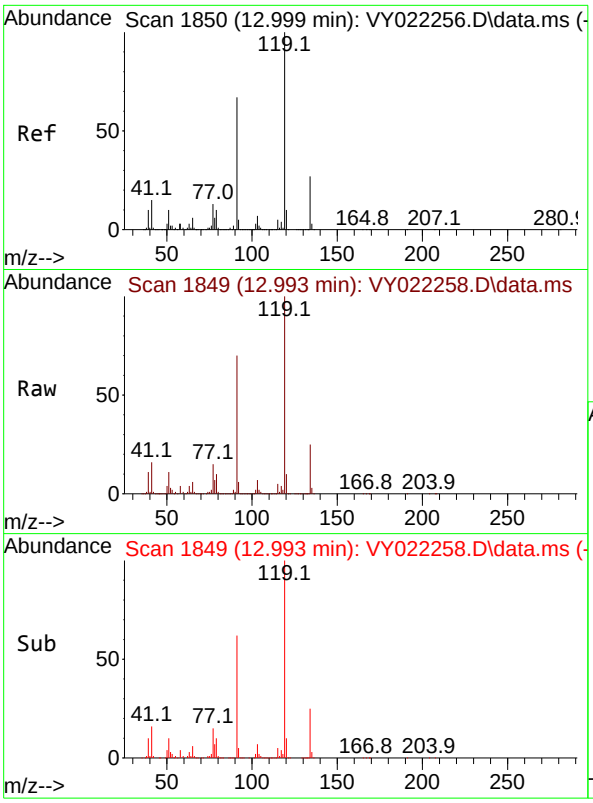


#82
4-Chlorotoluene
Concen: 152.250 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 1616520

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



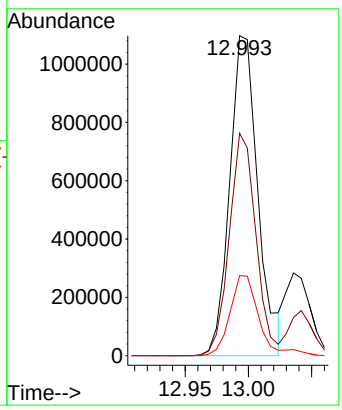


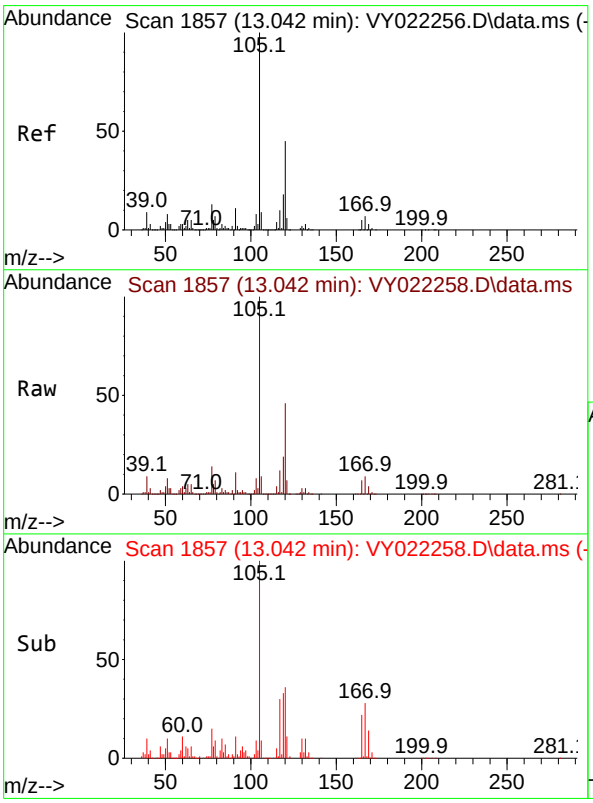
#83
tert-Butylbenzene
Concen: 152.144 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1699962

Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.8	98.3
134	25.9	12.9	38.6

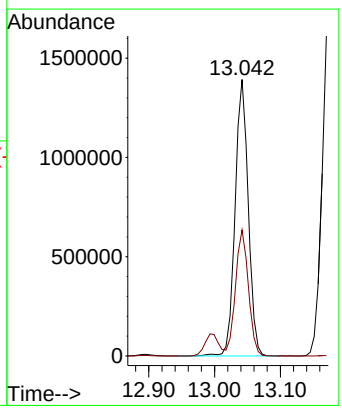


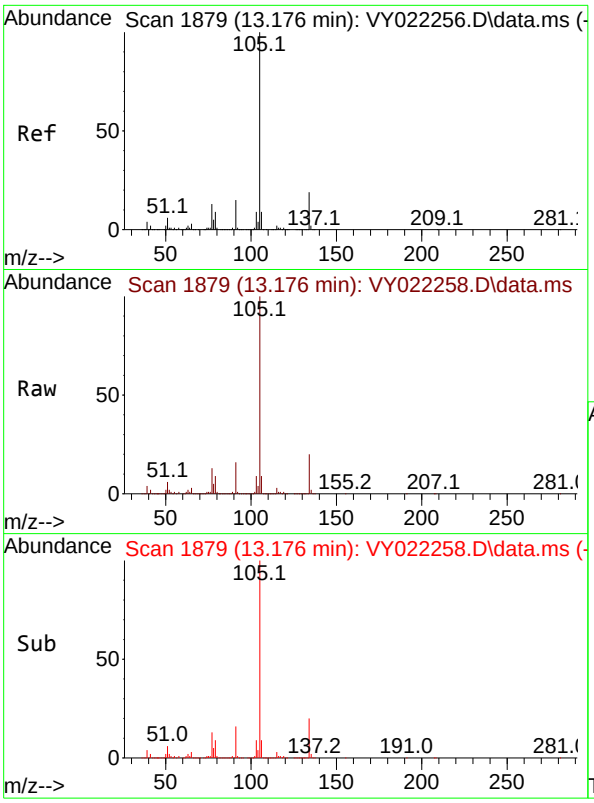


#84
1,2,4-Trimethylbenzene
Concen: 155.030 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1934641

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9



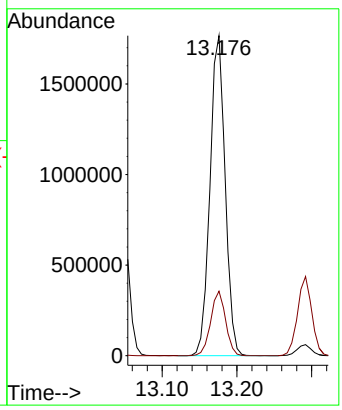


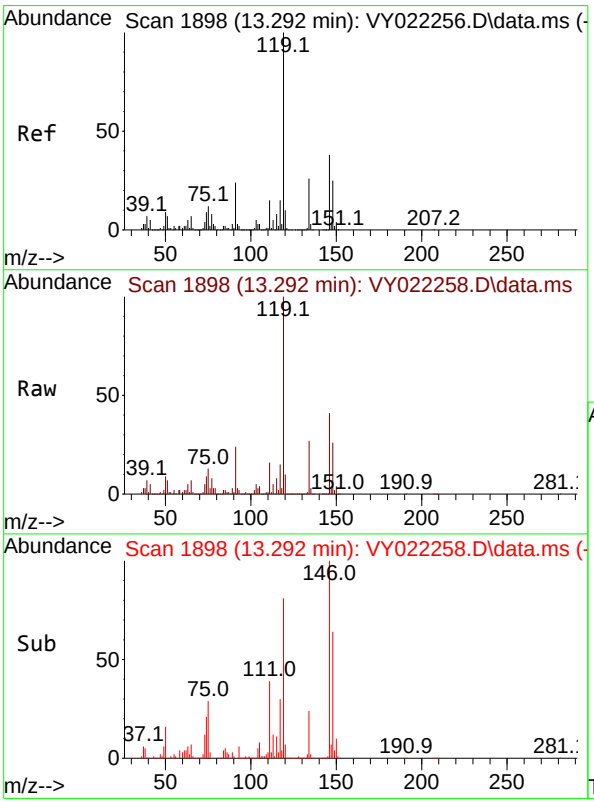
#85
sec-Butylbenzene
Concen: 150.330 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2493393

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

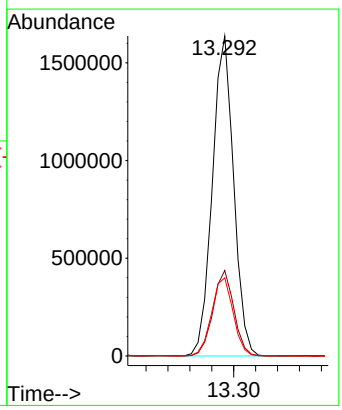


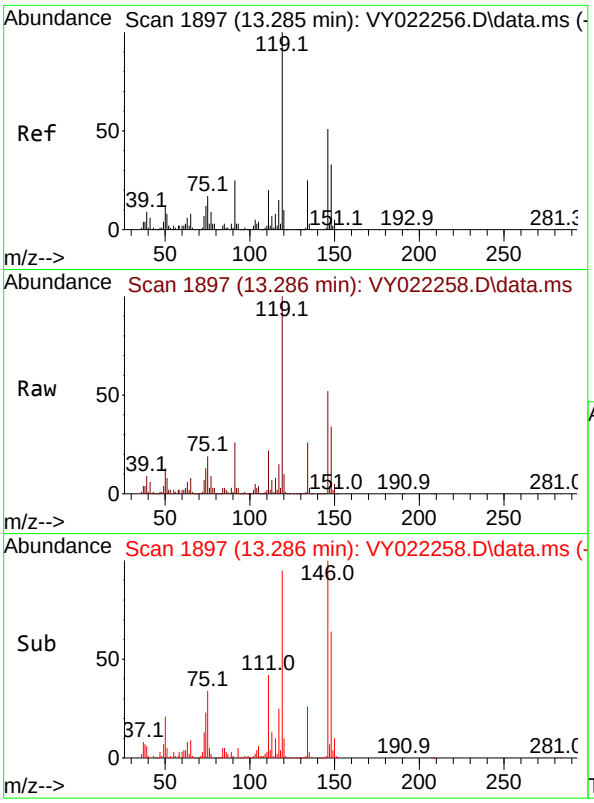


#86
p-Isopropyltoluene
Concen: 158.088 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:119 Resp: 2205275

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.8	12.1	36.3



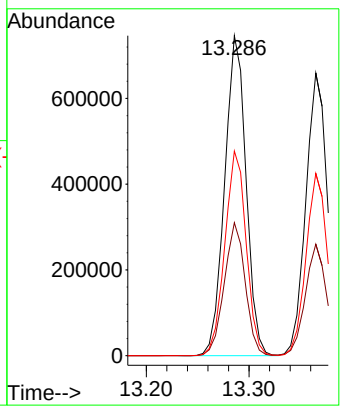


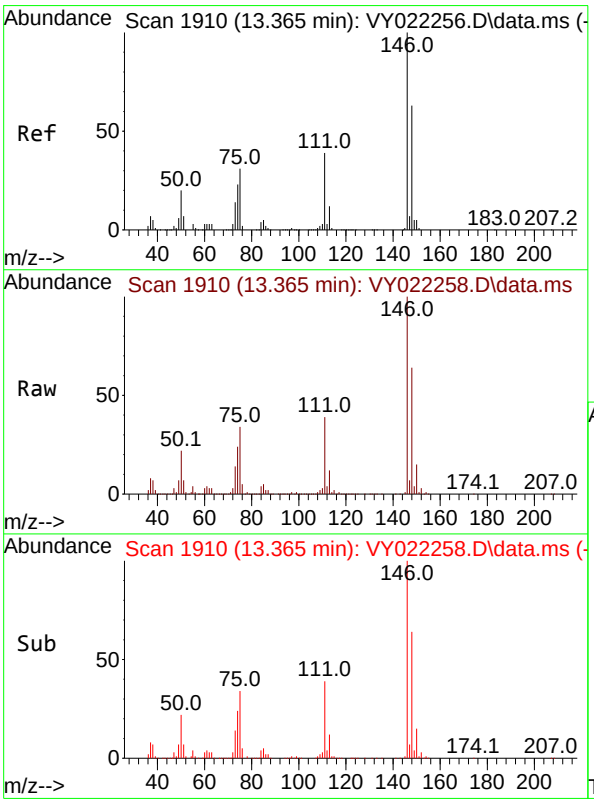
#87
1,3-Dichlorobenzene
Concen: 158.981 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 1079479

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.8	31.9	95.7

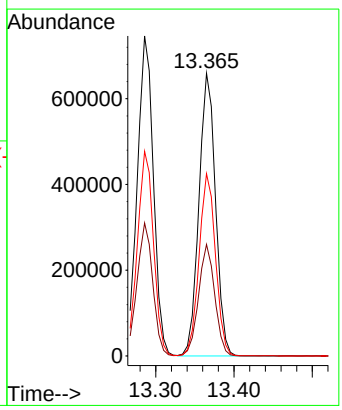


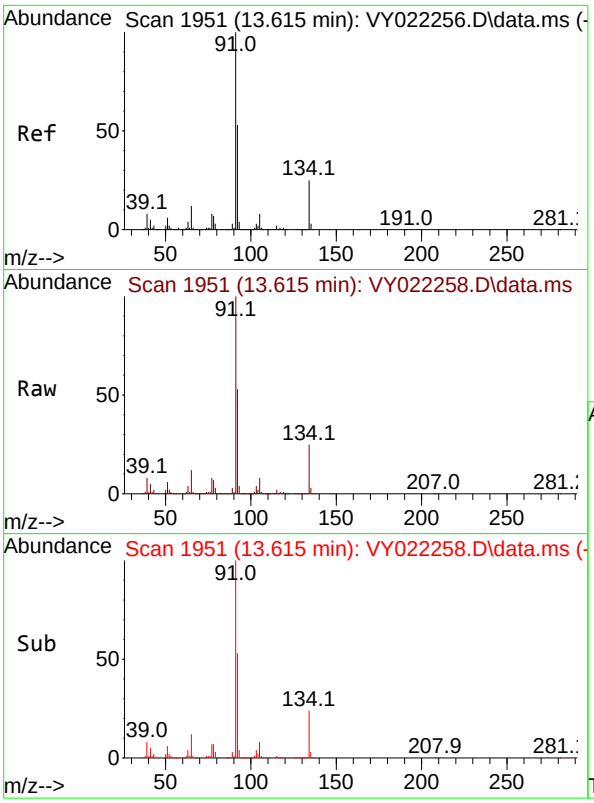


#88
1,4-Dichlorobenzene
Concen: 148.497 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 969874

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.9	32.1	96.5



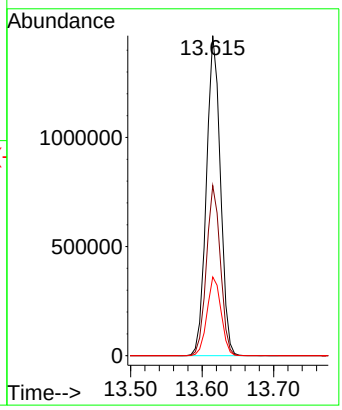


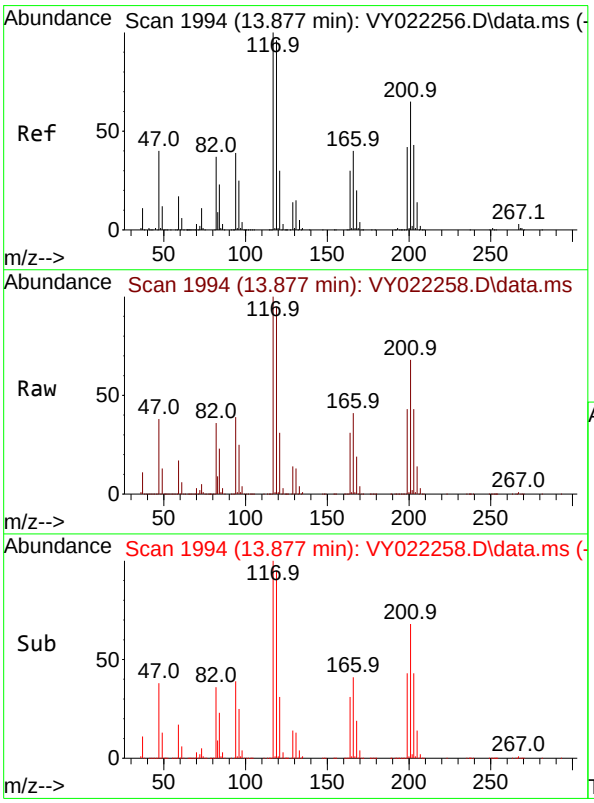
#89
n-Butylbenzene
Concen: 150.985 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1992554

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.8	12.4	37.4

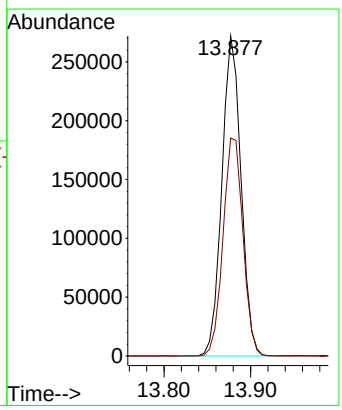


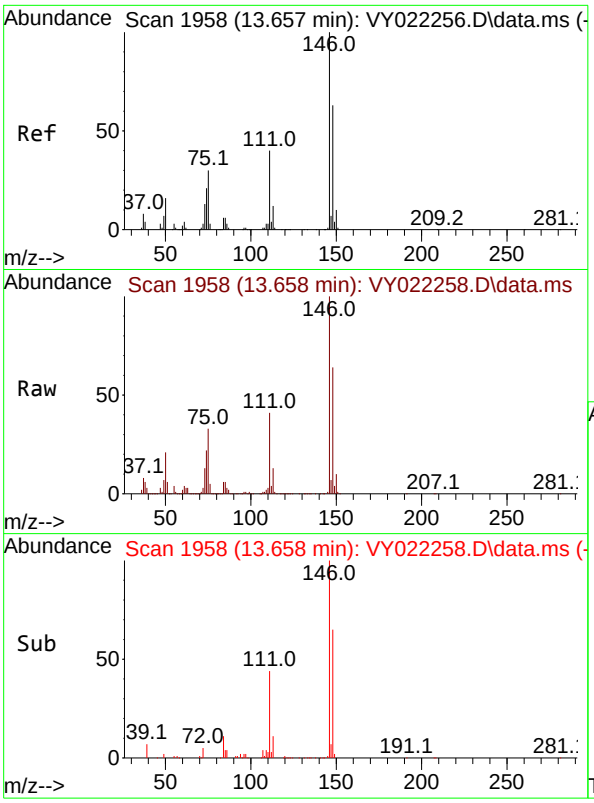


#90
Hexachloroethane
Concen: 148.208 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 417341

Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.2	105.6



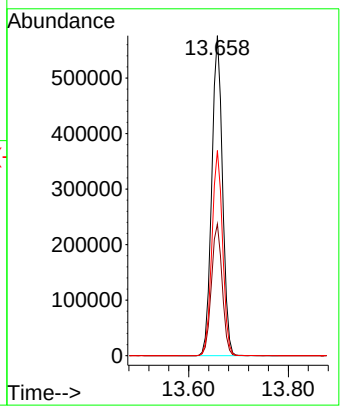


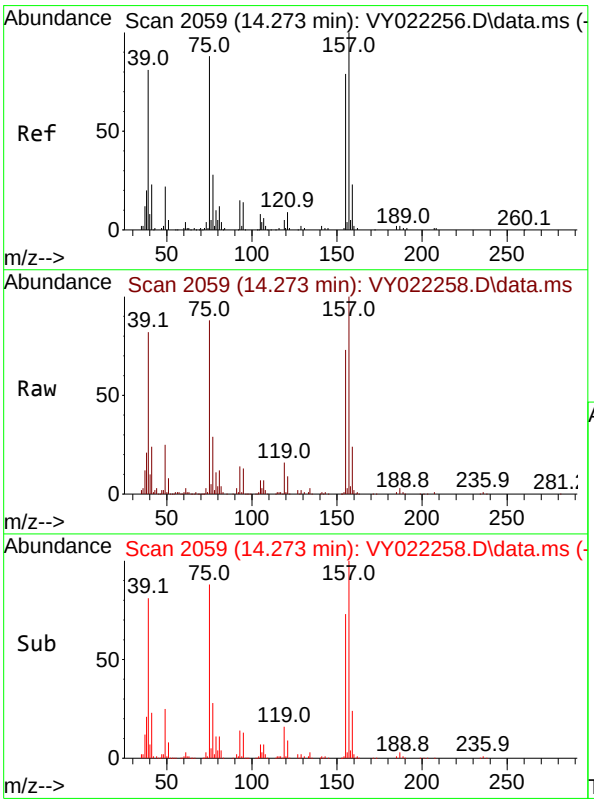
#91
1,2-Dichlorobenzene
Concen: 150.565 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 858733

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	63.8	32.0	96.0

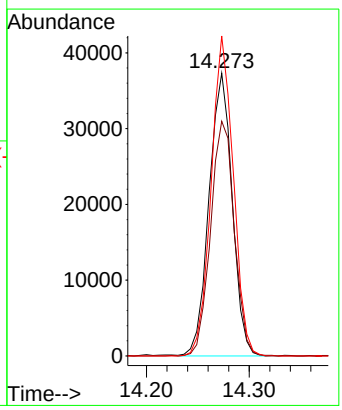


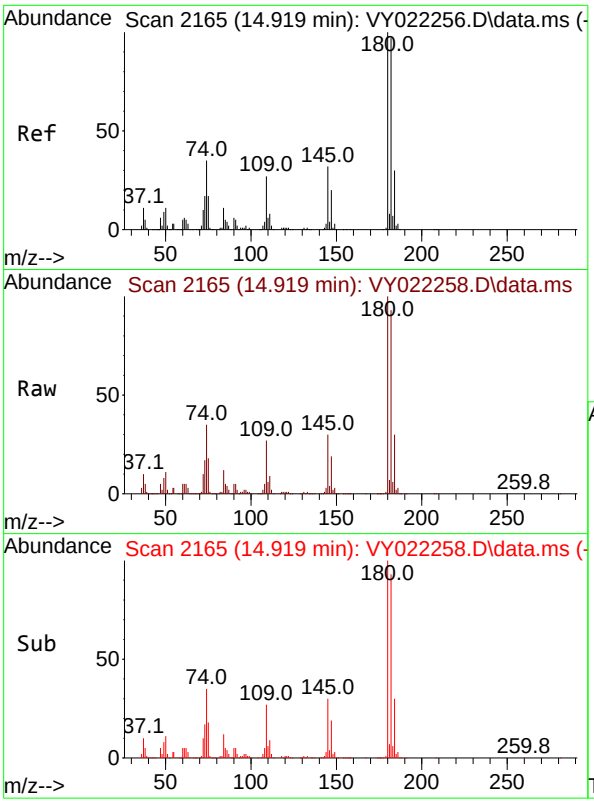


#92
1,2-Dibromo-3-Chloropropane
Concen: 151.172 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 58383

Ion	Ratio	Lower	Upper
75	100		
155	84.6	43.4	130.1
157	108.4	54.6	163.9



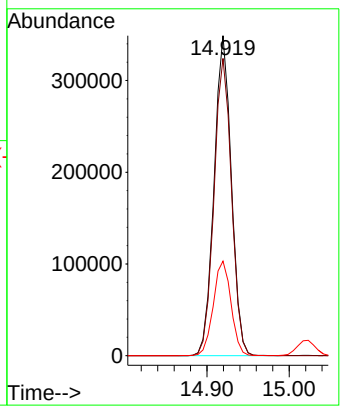


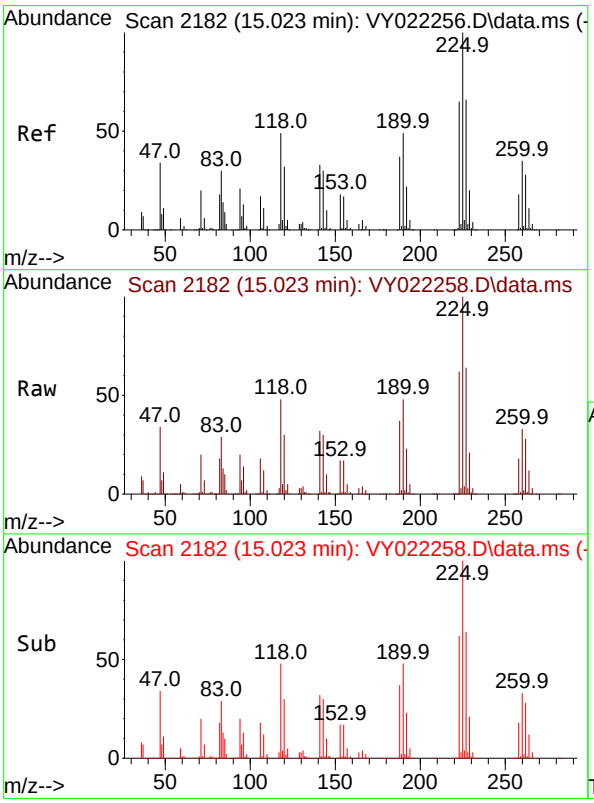
#93
1,2,4-Trichlorobenzene
Concen: 154.361 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 508537

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	30.4	15.0	45.1

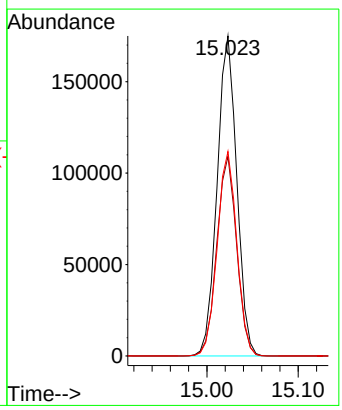


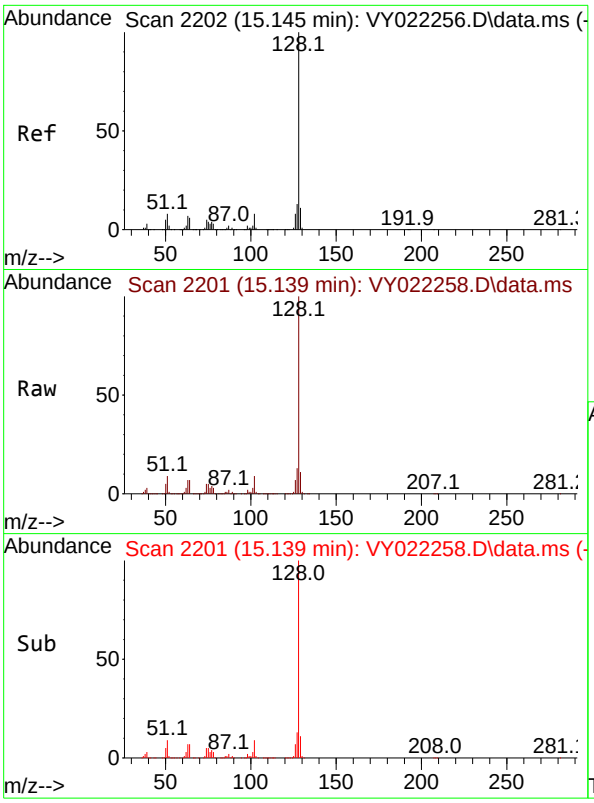


#94
Hexachlorobutadiene
Concen: 142.514 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:225 Resp: 261832

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	63.8	32.1	96.3



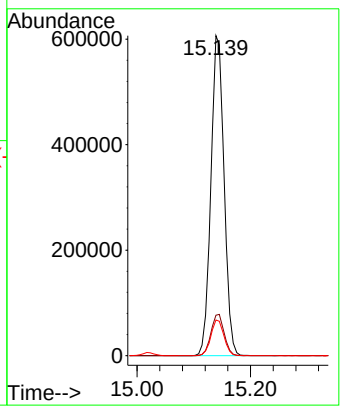


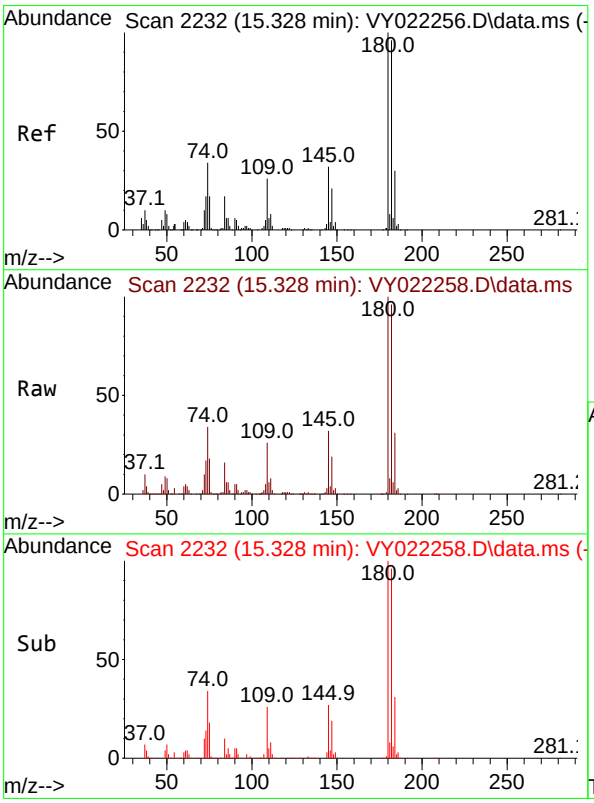
#95
Naphthalene
Concen: 156.653 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 979369

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2

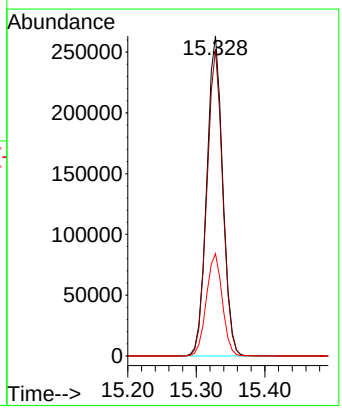




#96
1,2,3-Trichlorobenzene
Concen: 152.509 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:180 Resp: 426231

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	31.9	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	252715	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	428969	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	375548	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178387	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	143909	52.104	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.200%				
35) Dibromofluoromethane	7.634	113	132263	51.658	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%				
50) Toluene-d8	10.109	98	537188	51.229	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%				
62) 4-Bromofluorobenzene	12.408	95	169575	51.020	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	130352	49.432	ug/l		97
3) Chloromethane	2.068	50	270248	48.719	ug/l		98
4) Vinyl Chloride	2.202	62	316755	51.111	ug/l		99
5) Bromomethane	2.598	94	244611	48.486	ug/l		99
6) Chloroethane	2.732	64	205247	53.234	ug/l		99
7) Trichlorofluoromethane	3.056	101	321098	51.174	ug/l		99
8) Diethyl Ether	3.458	74	78386	52.055	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.818	101	140460	51.564	ug/l		100
10) Methyl Iodide	4.007	142	156397	49.606	ug/l		99
11) Tert butyl alcohol	4.872	59	55922	265.144	ug/l	#	100
12) 1,1-Dichloroethene	3.793	96	139180	51.487	ug/l		98
13) Acrolein	3.653	56	73495	238.362	ug/l		98
14) Allyl chloride	4.378	41	250342	52.817	ug/l		100
15) Acrylonitrile	5.055	53	164507	265.134	ug/l		99
16) Acetone	3.872	43	130848	252.660	ug/l		99
17) Carbon Disulfide	4.104	76	456302	51.765	ug/l		99
18) Methyl Acetate	4.385	43	97091	59.461	ug/l		98
19) Methyl tert-butyl Ether	5.116	73	395753	53.096	ug/l		99
20) Methylene Chloride	4.610	84	158275	47.298	ug/l		92
21) trans-1,2-Dichloroethene	5.110	96	153819	51.552	ug/l		98
22) Diisopropyl ether	6.018	45	521343	52.085	ug/l		99
23) Vinyl Acetate	5.957	43	1530507	253.098	ug/l		99
24) 1,1-Dichloroethane	5.915	63	288933	51.668	ug/l		97
25) 2-Butanone	6.896	43	221702	255.929	ug/l		97
26) 2,2-Dichloropropane	6.884	77	259587	52.191	ug/l		100
27) cis-1,2-Dichloroethene	6.890	96	180695	52.479	ug/l		100
28) Bromochloromethane	7.250	49	124761	52.305	ug/l		99
29) Tetrahydrofuran	7.262	42	147603	264.847	ug/l		99
30) Chloroform	7.421	83	283264	52.810	ug/l		100
31) Cyclohexane	7.701	56	271949	48.673	ug/l		99
32) 1,1,1-Trichloroethane	7.616	97	253549	51.523	ug/l		99
36) 1,1-Dichloropropene	7.835	75	212786	50.457	ug/l		99
37) Ethyl Acetate	6.982	43	102740	50.633	ug/l		98
38) Carbon Tetrachloride	7.817	117	220636	50.543	ug/l		98
39) Methylcyclohexane	9.109	83	283373	50.015	ug/l		98
40) Benzene	8.079	78	646289	51.696	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	53692	39.891	ug/l	#	77
42) 1,2-Dichloroethane	8.158	62	175241	51.834	ug/l		100
43) Isopropyl Acetate	8.195	43	227521	51.415	ug/l	#	89
44) Trichloroethene	8.865	130	156468	50.335	ug/l		96
45) 1,2-Dichloropropane	9.140	63	154975	51.417	ug/l		99
46) Dibromomethane	9.231	93	83597	51.423	ug/l		100
47) Bromodichloromethane	9.426	83	221446	52.508	ug/l		99
48) Methyl methacrylate	9.219	41	106283	51.357	ug/l		98
49) 1,4-Dioxane	9.231	88	18521	1008.479	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	567722	261.463	ug/l		99
52) Toluene	10.170	92	406420	51.337	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	211790	51.458	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	244811	51.916	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	106464	51.142	ug/l		99
56) Ethyl methacrylate	10.438	69	164207	50.639	ug/l		99
57) 1,3-Dichloropropane	10.719	76	191889	51.880	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	394587	271.104	ug/l		100
59) 2-Hexanone	10.761	43	375224	257.738	ug/l		100
60) Dibromochloromethane	10.914	129	141652	52.425	ug/l		99
61) 1,2-Dibromoethane	11.018	107	99783	51.428	ug/l		99
64) Tetrachloroethene	10.646	164	162818	46.905	ug/l		99
65) Chlorobenzene	11.444	112	422170	49.827	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	144636	49.656	ug/l		99
67) Ethyl Benzene	11.517	91	794978	50.100	ug/l		99
68) m/p-Xylenes	11.627	106	604420	101.087	ug/l		99
69) o-Xylene	11.956	106	286712	50.682	ug/l		98
70) Styrene	11.969	104	481621	50.471	ug/l		99
71) Bromoform	12.133	173	80216	51.022	ug/l	#	100
73) Isopropylbenzene	12.255	105	738398	49.964	ug/l		100
74) N-amyl acetate	12.072	43	210510	49.805	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120599	53.062	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	167358	92.604	ug/l	#	100
77) Bromobenzene	12.536	156	155843	49.374	ug/l		97
78) n-propylbenzene	12.596	91	896555	50.296	ug/l		100
79) 2-Chlorotoluene	12.682	91	491073	50.130	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	592100	49.632	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	43921	49.231	ug/l		99
82) 4-Chlorotoluene	12.779	91	510451	50.661	ug/l		100
83) tert-Butylbenzene	12.999	119	527140	49.715	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	598450	50.535	ug/l		99
85) sec-Butylbenzene	13.176	105	787000	50.000	ug/l		100
86) p-Isopropyltoluene	13.291	119	664795	50.219	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	320357	49.718	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	307847	49.669	ug/l		98
89) n-Butylbenzene	13.621	91	631222	50.402	ug/l		100
90) Hexachloroethane	13.883	117	132281	49.502	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	270373	49.954	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18335	50.028	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	152548	48.794	ug/l		99
94) Hexachlorobutadiene	15.023	225	83287	47.770	ug/l		99
95) Naphthalene	15.145	128	287276	48.421	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	127466	48.060	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

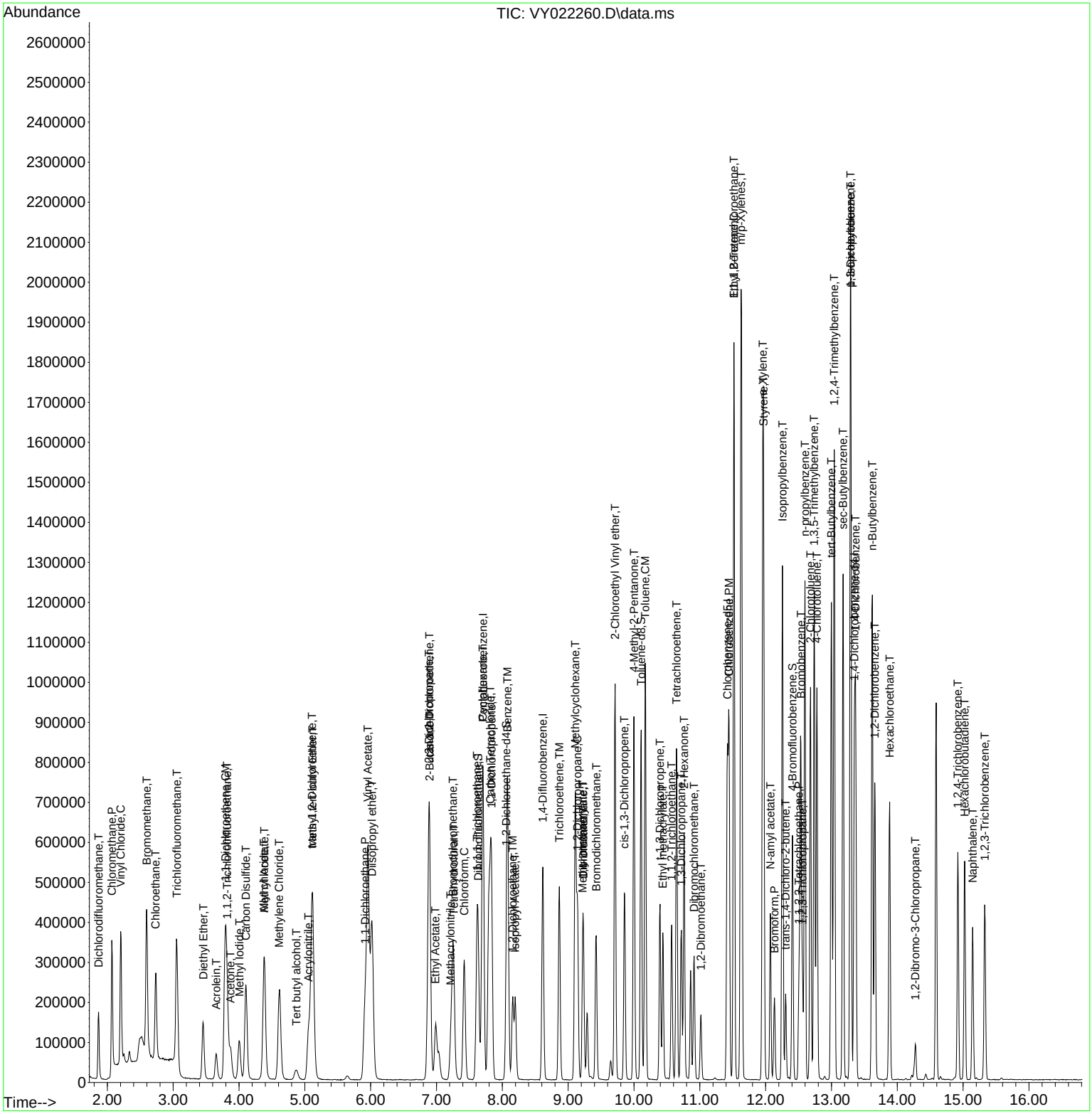
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

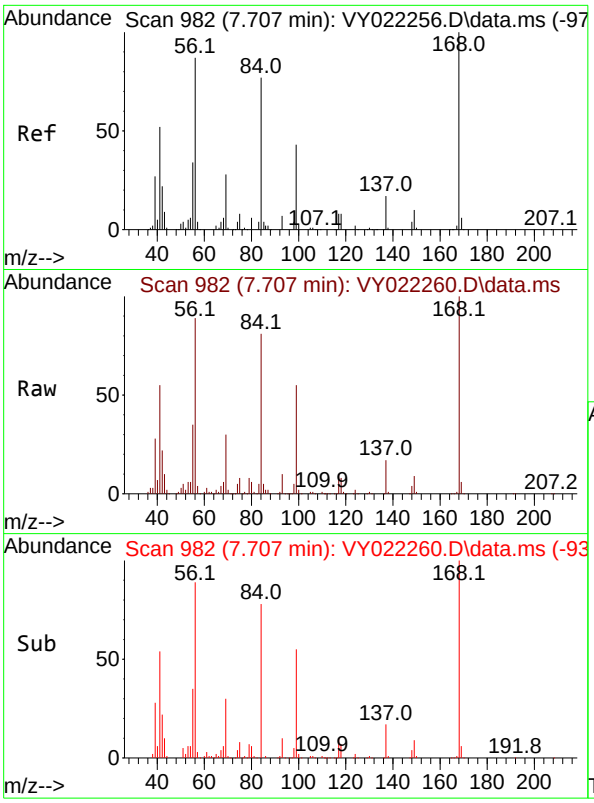
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



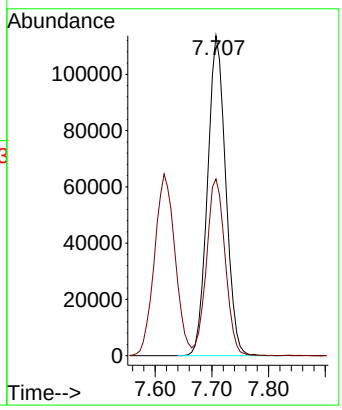


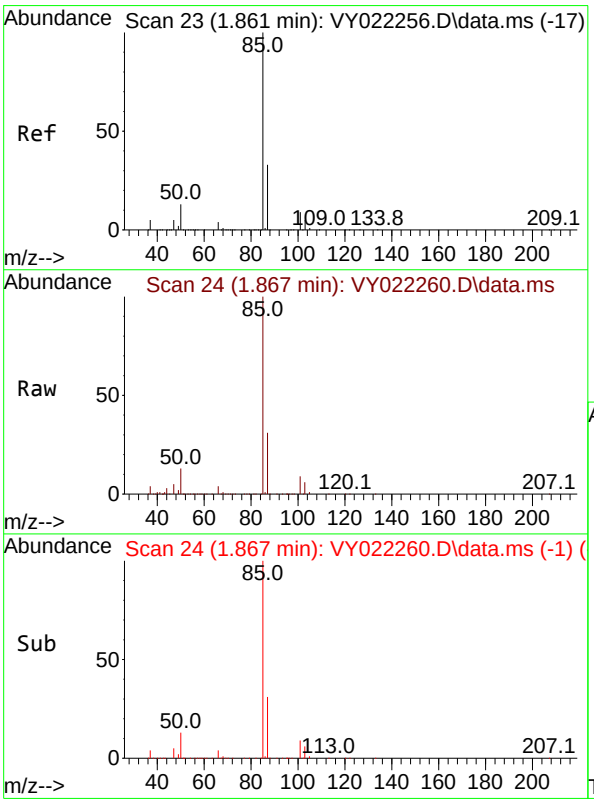
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:168 Resp: 252715

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.2	66.4

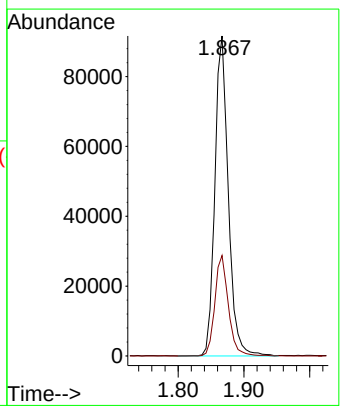


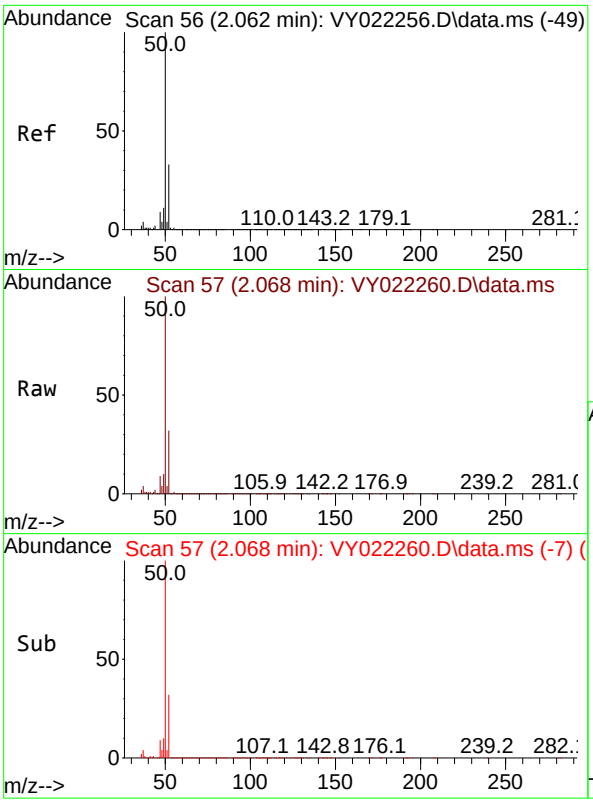


#2
Dichlorodifluoromethane
Concen: 49.432 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 85 Resp: 130352

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.5	49.5



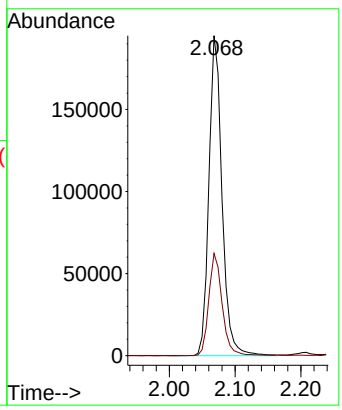


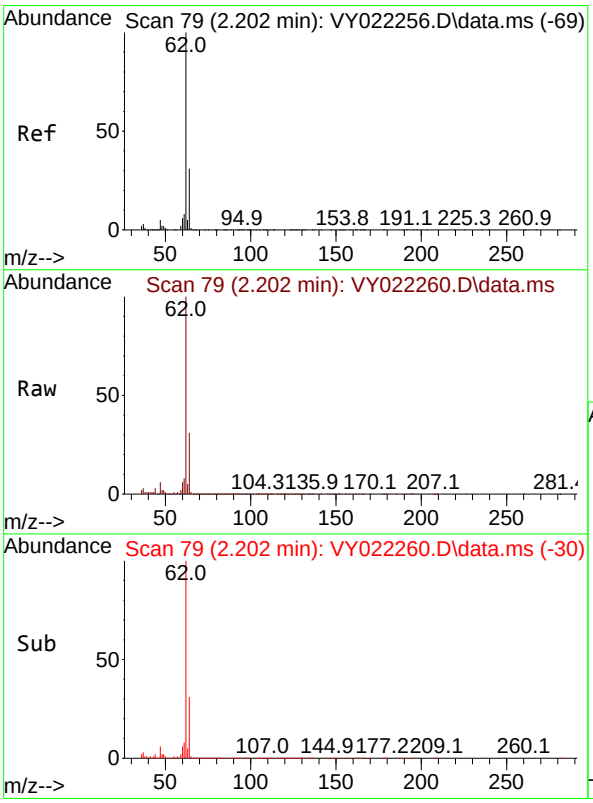
#3
Chloromethane
Concen: 48.719 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 50 Resp: 270248

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.5	39.7

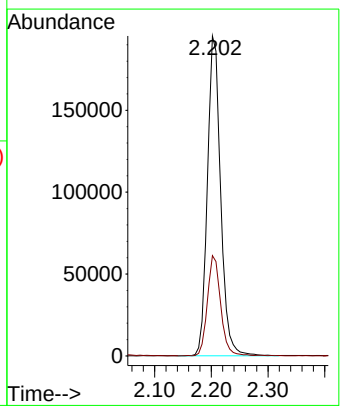


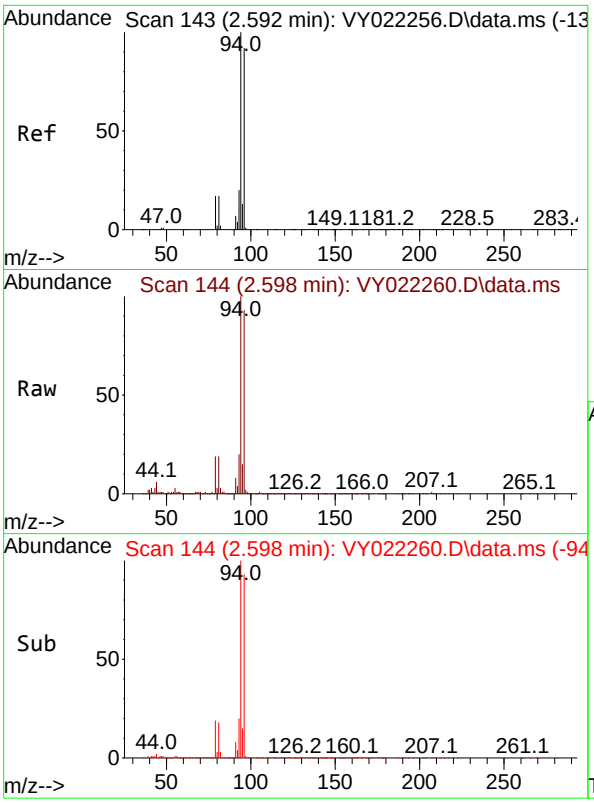


#4
Vinyl Chloride
Concen: 51.111 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 316755

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.5	36.7



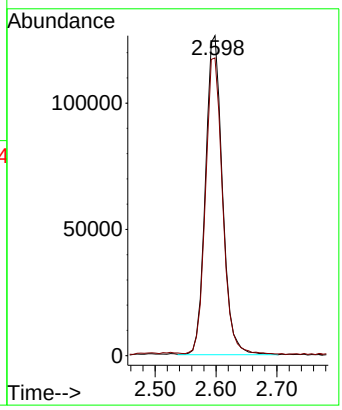


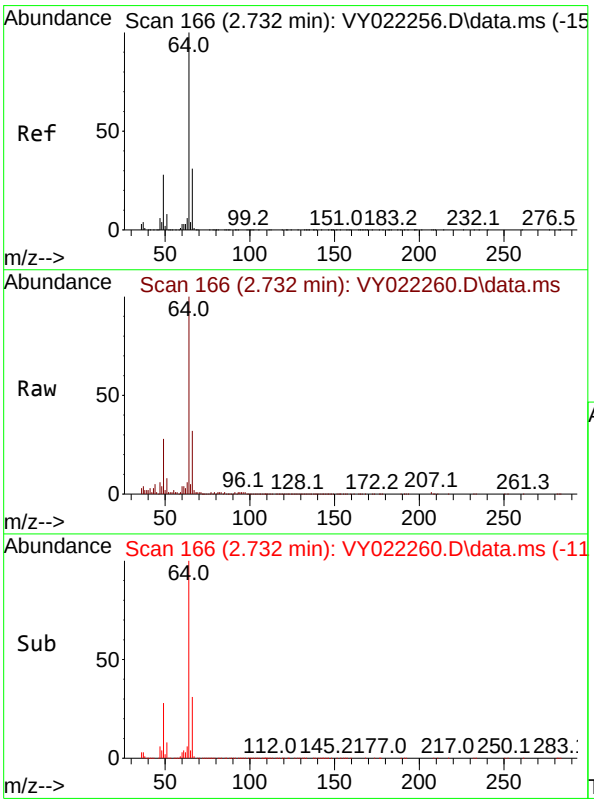
#5
Bromomethane
Concen: 48.486 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 94 Resp: 244611

Ion	Ratio	Lower	Upper
94	100		
96	92.8	73.4	110.0

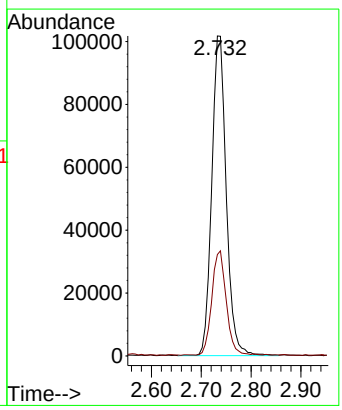


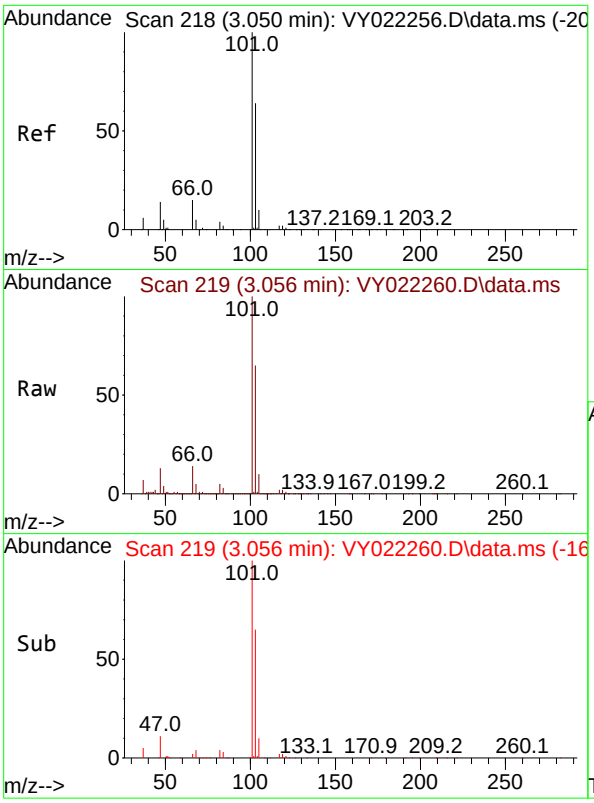


#6
Chloroethane
Concen: 53.234 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 64 Resp: 205247

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.8	37.2



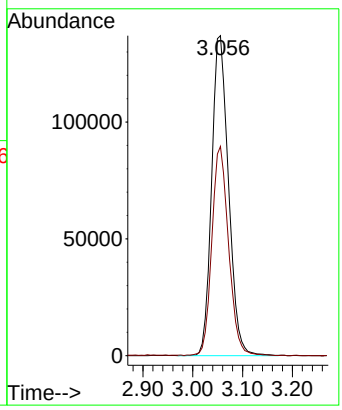


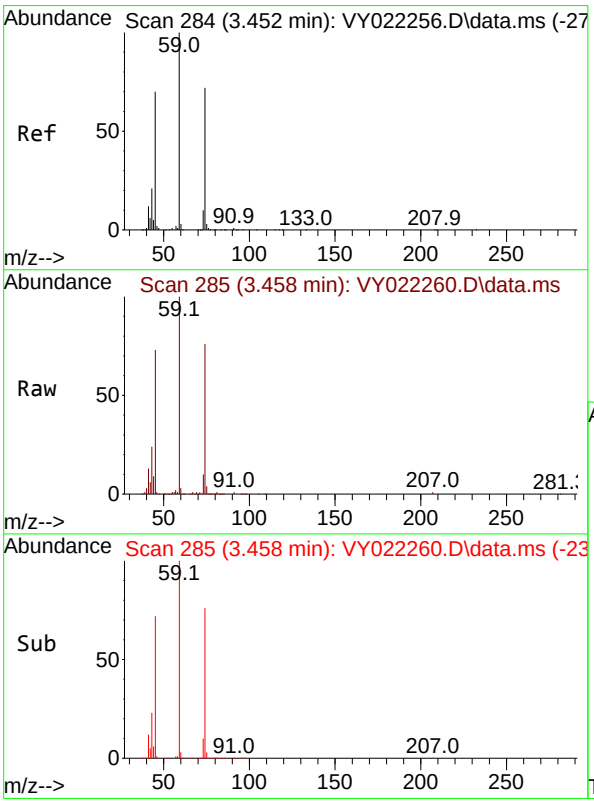
#7
Trichlorofluoromethane
Concen: 51.174 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:101 Resp: 321098

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.7	77.5

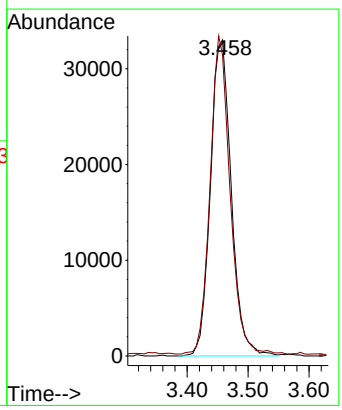


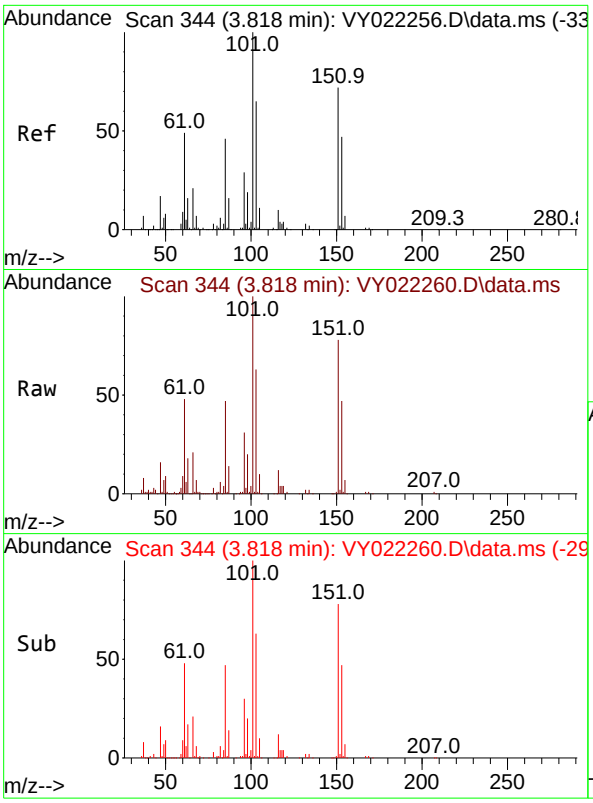


#8
Diethyl Ether
Concen: 52.055 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 74 Resp: 78386

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8



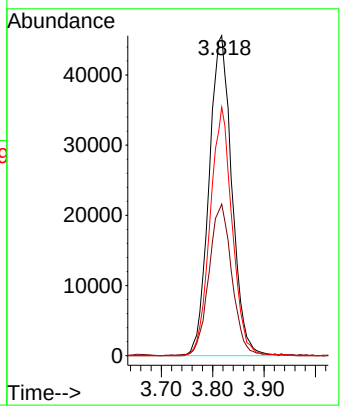


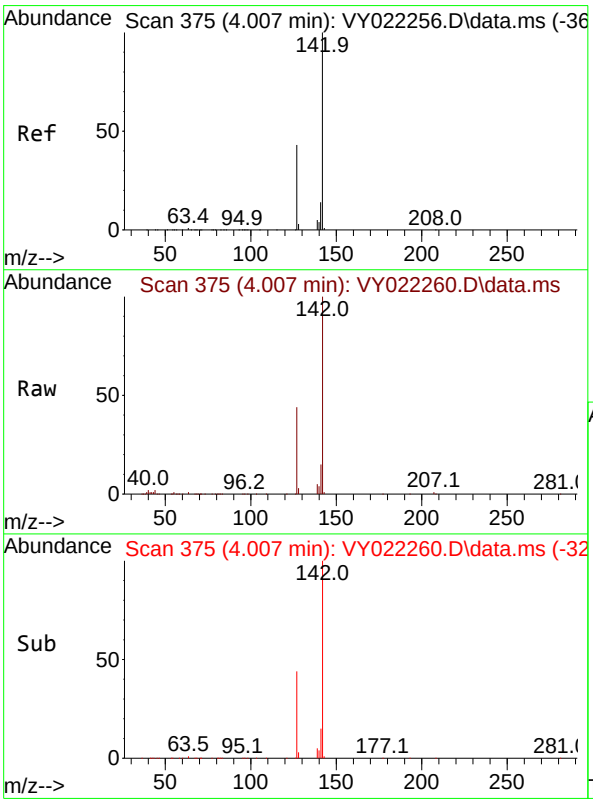
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.564 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:101 Resp: 140460

Ion	Ratio	Lower	Upper
101	100		
85	47.9	38.6	58.0
151	74.9	59.7	89.5

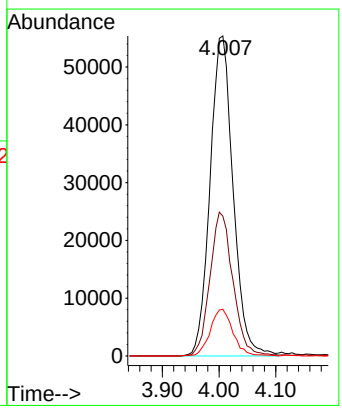


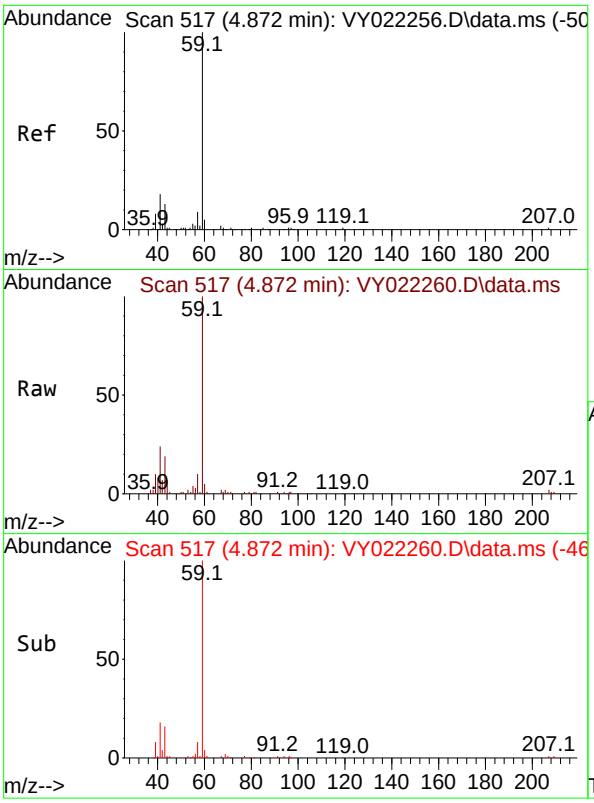


#10
Methyl Iodide
Concen: 49.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:142 Resp: 156397

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.4	11.1	16.7



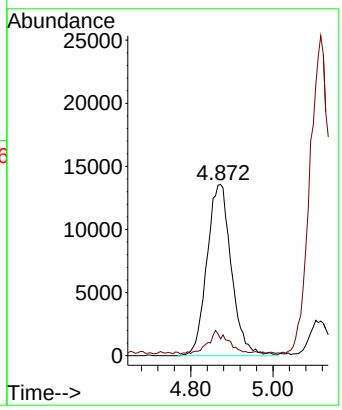


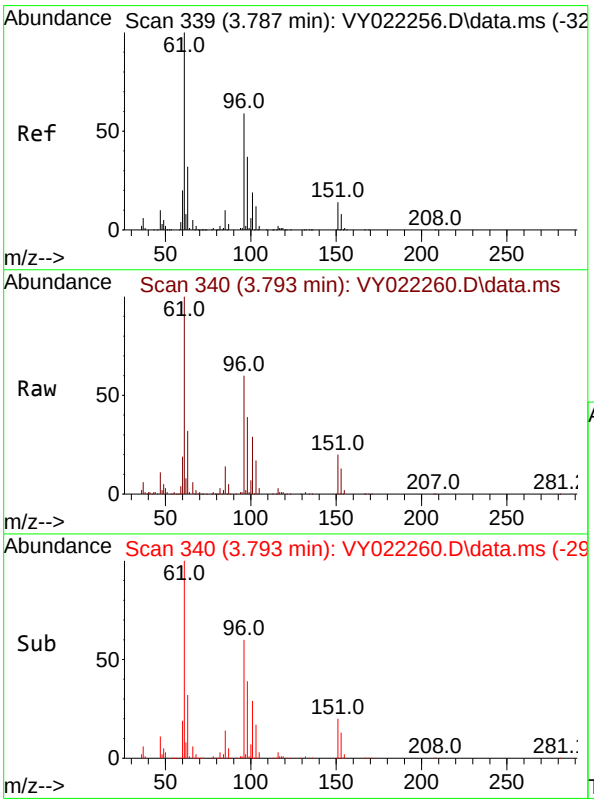
#11
Tert butyl alcohol
Concen: 265.144 ug/l
RT: 4.872 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 59 Resp: 55922

Ion	Ratio	Lower	Upper
59	100		
57	10.7	0.0	0.0#

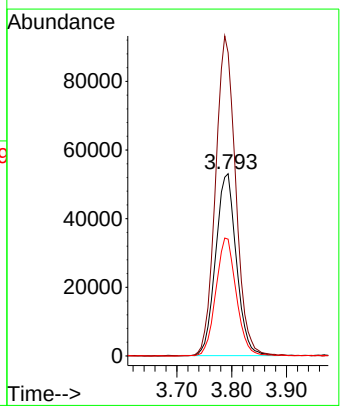


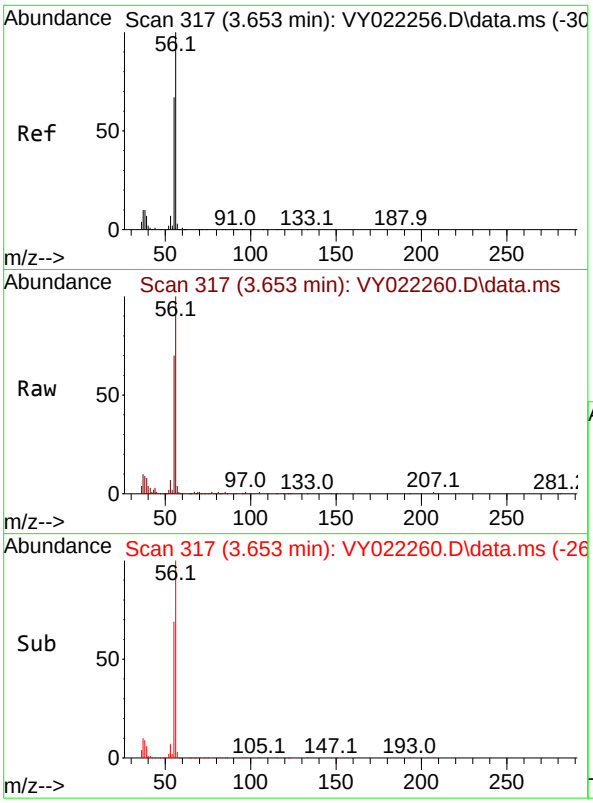


#12
1,1-Dichloroethene
Concen: 51.487 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 139180

Ion	Ratio	Lower	Upper
96	100		
61	166.8	134.9	202.3
98	64.1	49.9	74.9



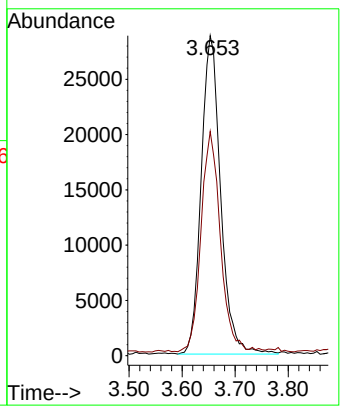


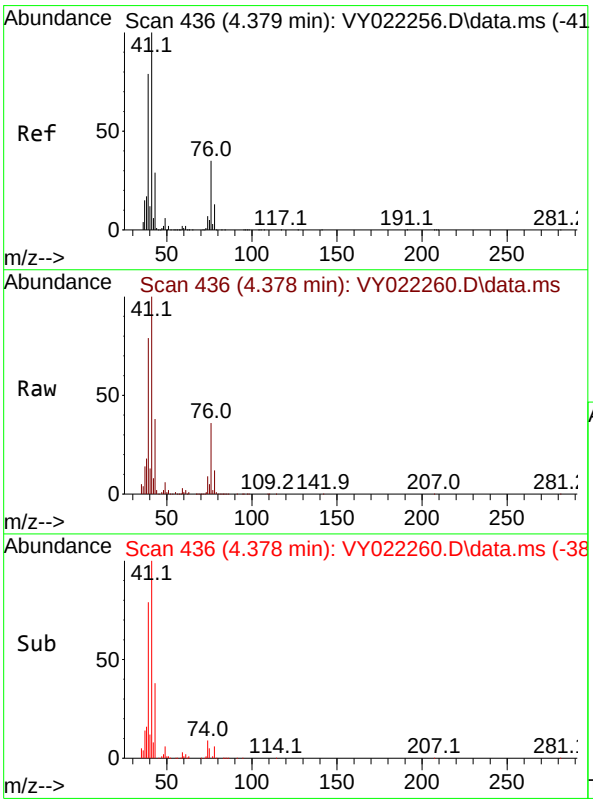
#13
Acrolein
Concen: 238.362 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 56 Resp: 73495

Ion	Ratio	Lower	Upper
56	100		
55	68.2	55.6	83.4

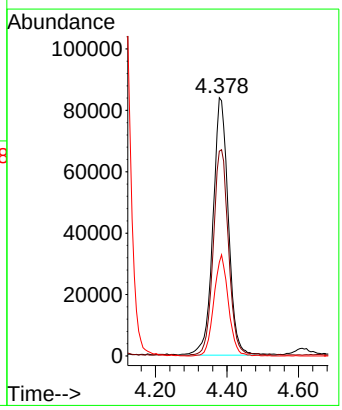


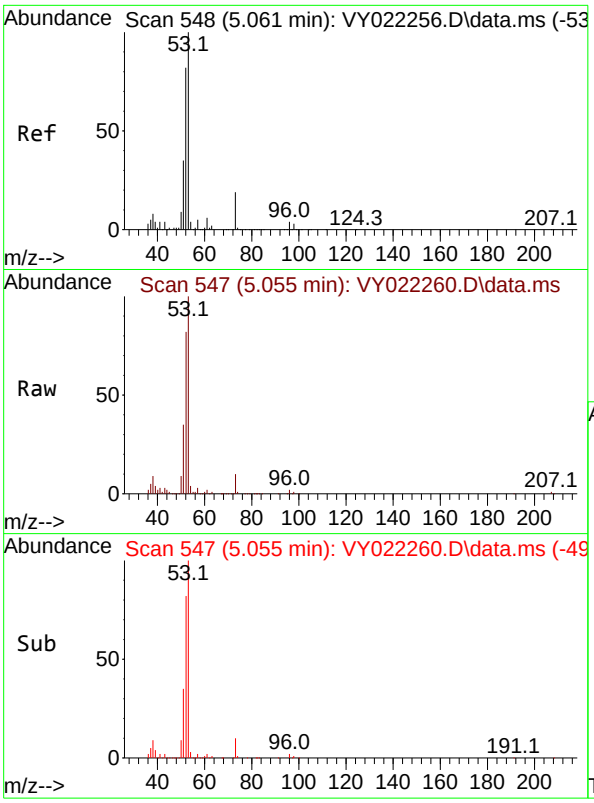


#14
Allyl chloride
Concen: 52.817 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 250342

Ion	Ratio	Lower	Upper
41	100		
39	78.9	63.4	95.0
76	37.0	29.5	44.3



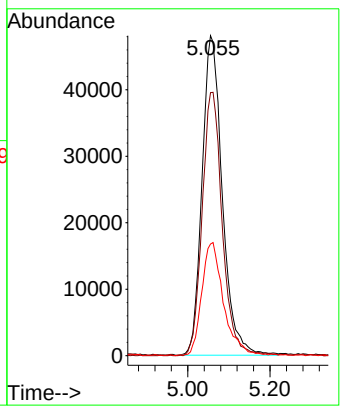


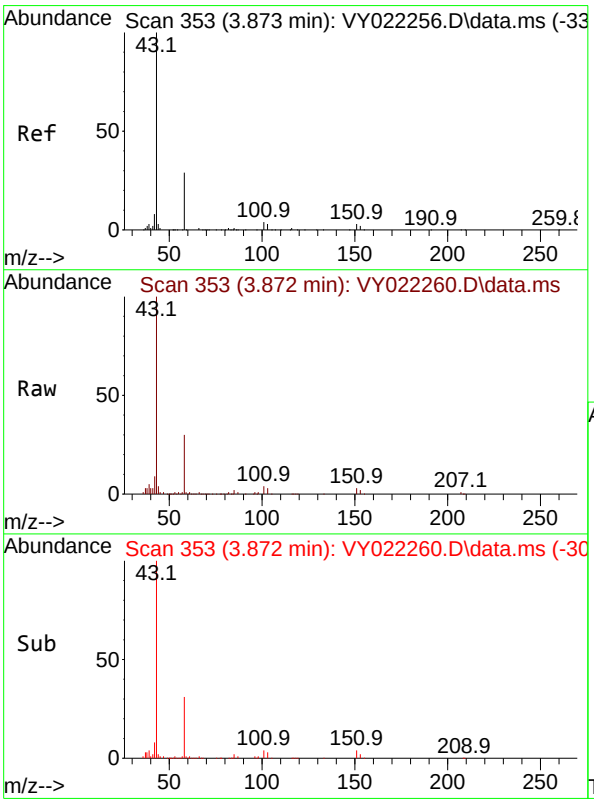
#15
Acrylonitrile
Concen: 265.134 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 53 Resp: 164507

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	38.2	30.0	45.0

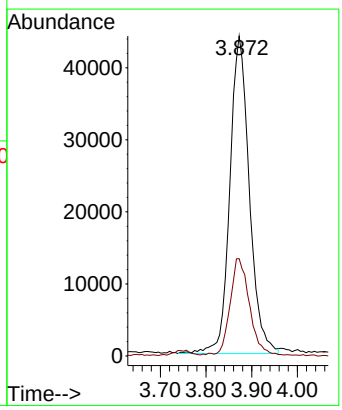


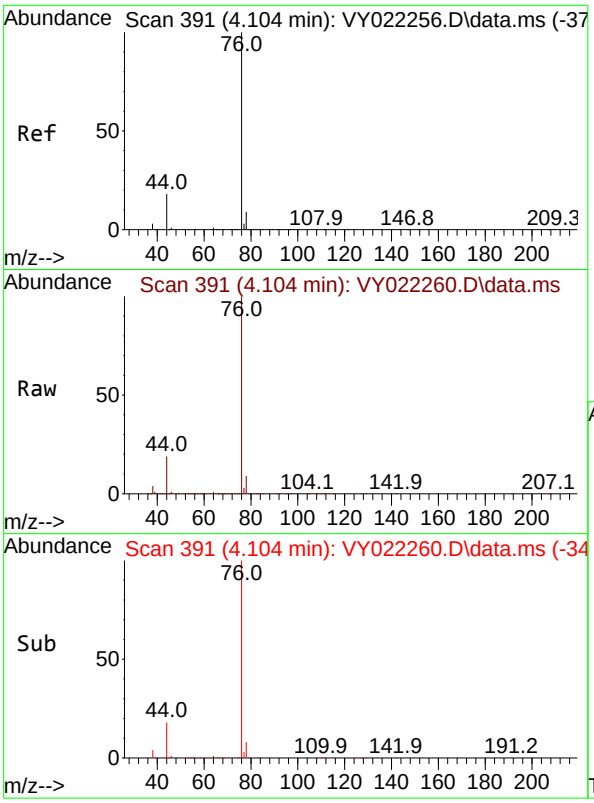


#16
Acetone
Concen: 252.660 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 130848

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4



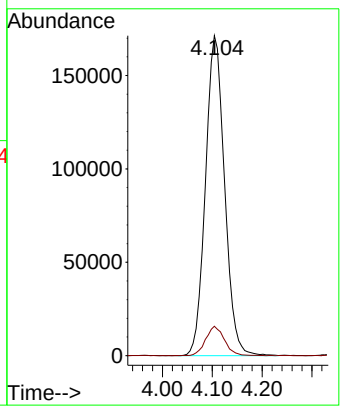


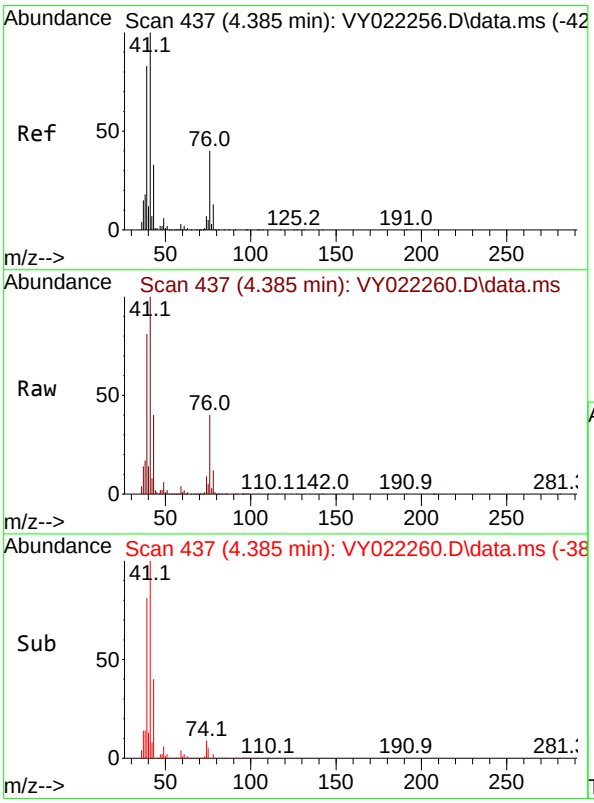
#17
Carbon Disulfide
Concen: 51.765 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 76 Resp: 456302

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

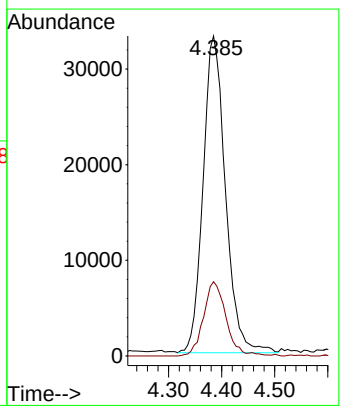


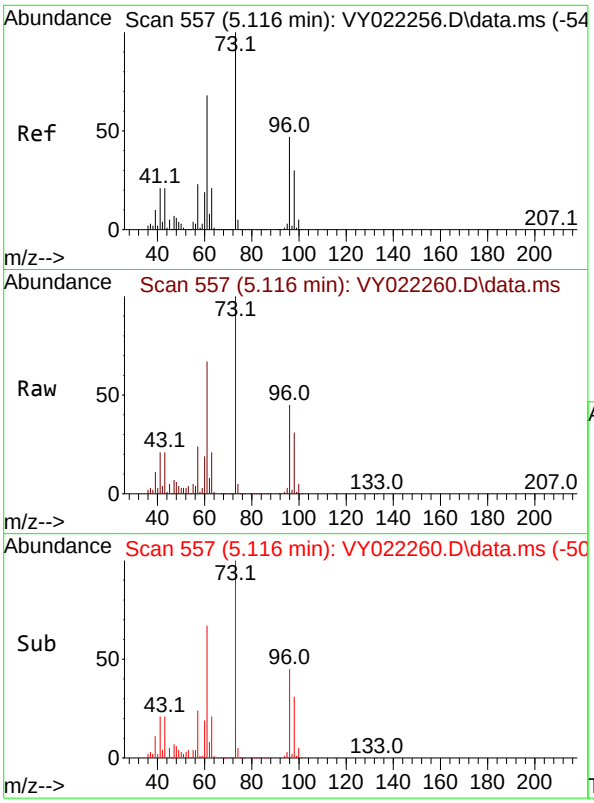


#18
Methyl Acetate
Concen: 59.461 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 97091

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.2	27.4



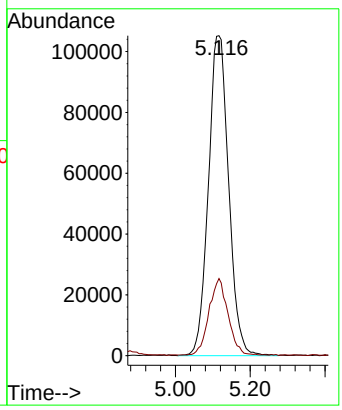


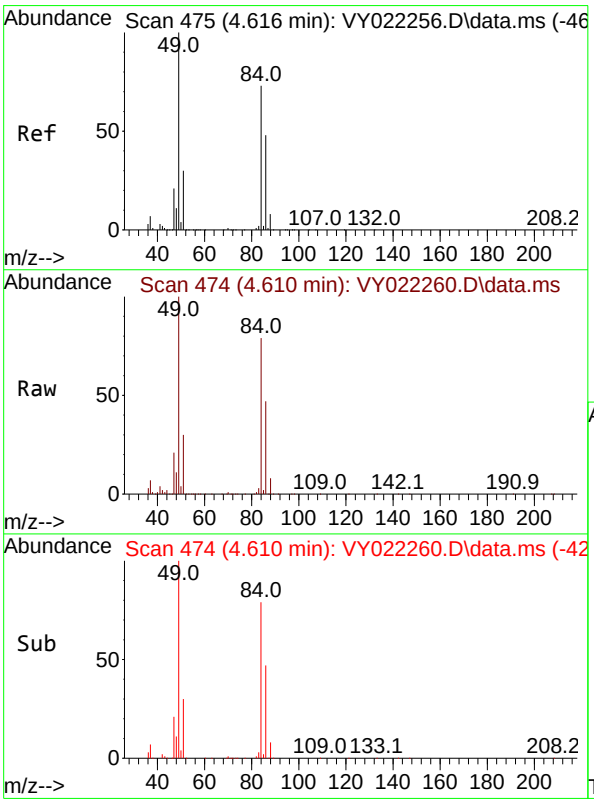
#19
Methyl tert-butyl Ether
Concen: 53.096 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 73 Resp: 395753

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.6	28.0

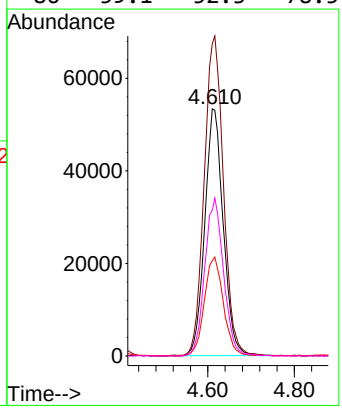


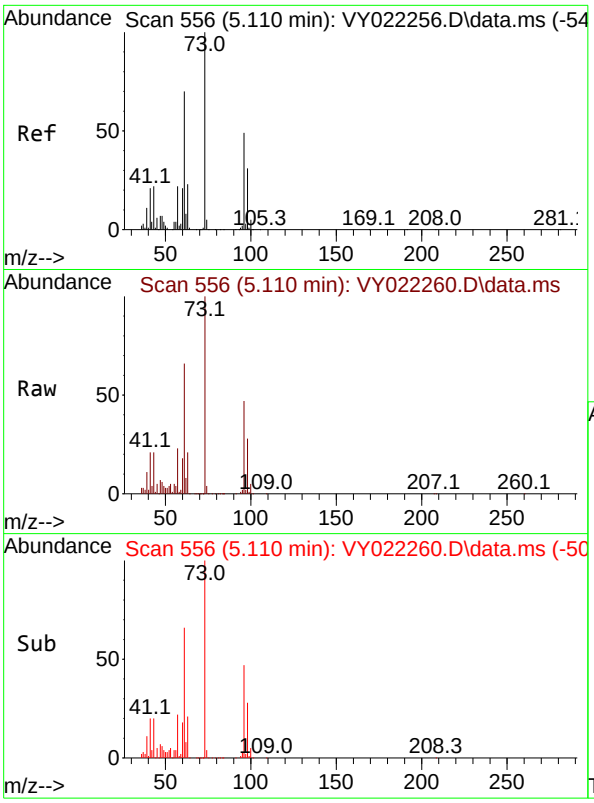


#20
Methylene Chloride
Concen: 47.298 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 84 Resp: 158275

Ion	Ratio	Lower	Upper
84	100		
49	126.6	109.6	164.4
51	38.5	32.4	48.6
86	59.1	52.3	78.5



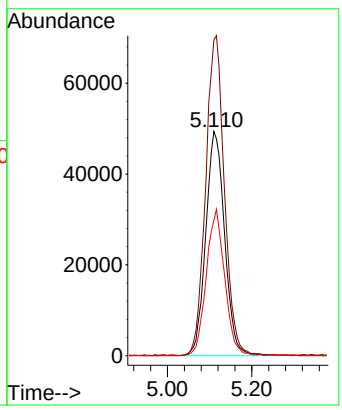


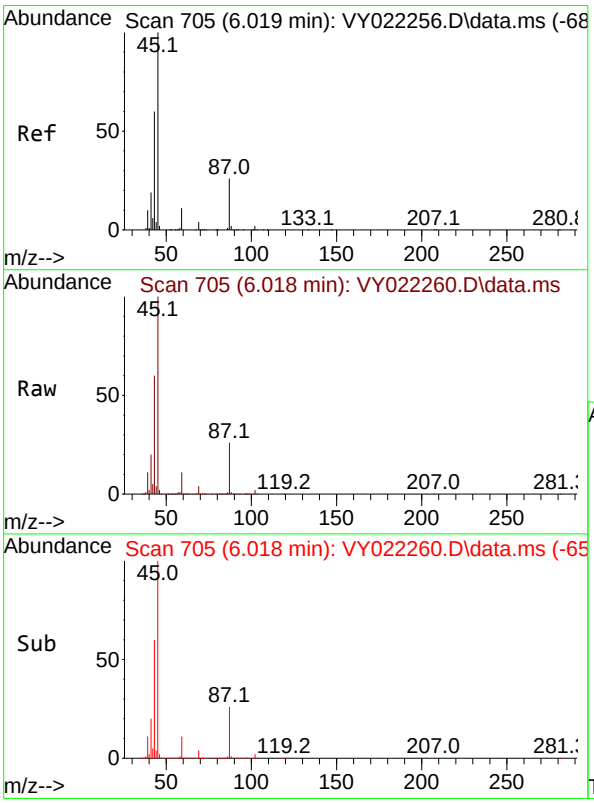
#21
trans-1,2-Dichloroethene
Concen: 51.552 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 96 Resp: 153819

Ion	Ratio	Lower	Upper
96	100		
61	140.9	113.4	170.0
98	60.2	50.9	76.3

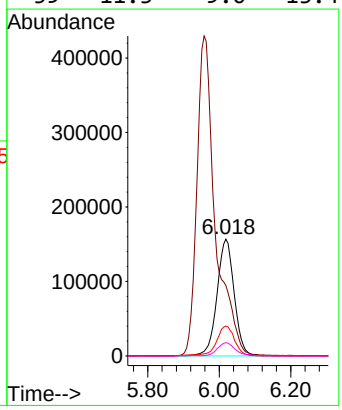


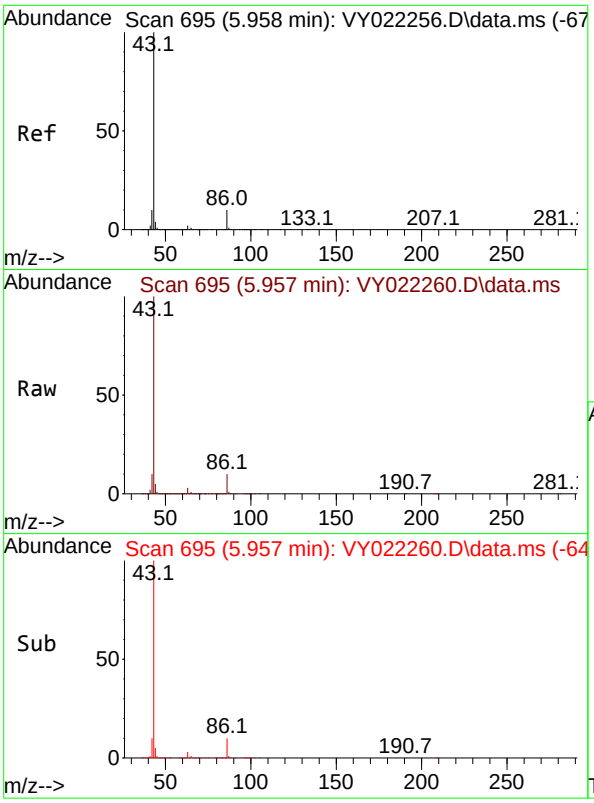


#22
Diisopropyl ether
Concen: 52.085 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 45 Resp: 521343

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	25.6	21.4	32.0
59	11.3	9.0	13.4



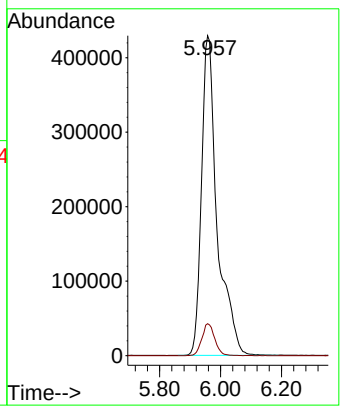


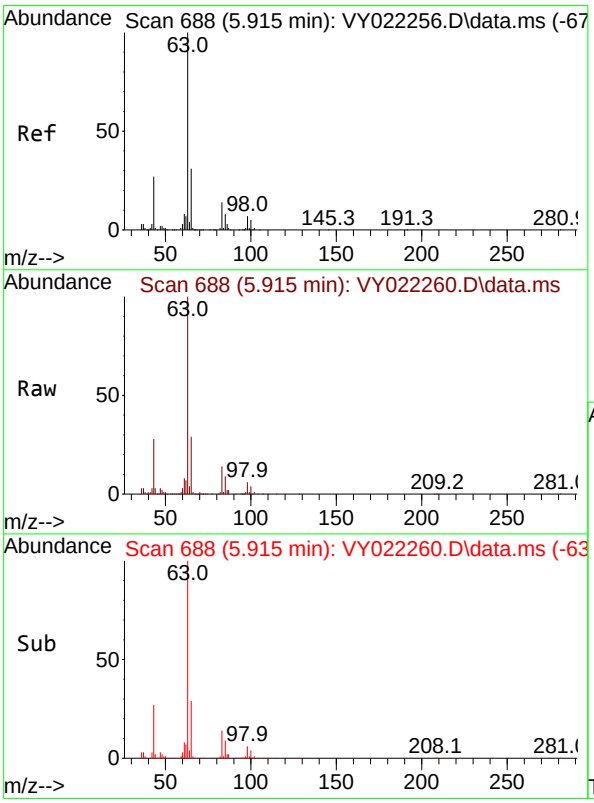
#23
Vinyl Acetate
Concen: 253.098 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 1530507

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

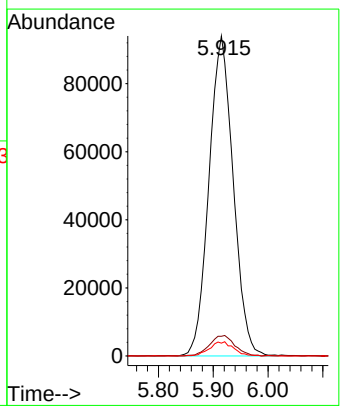


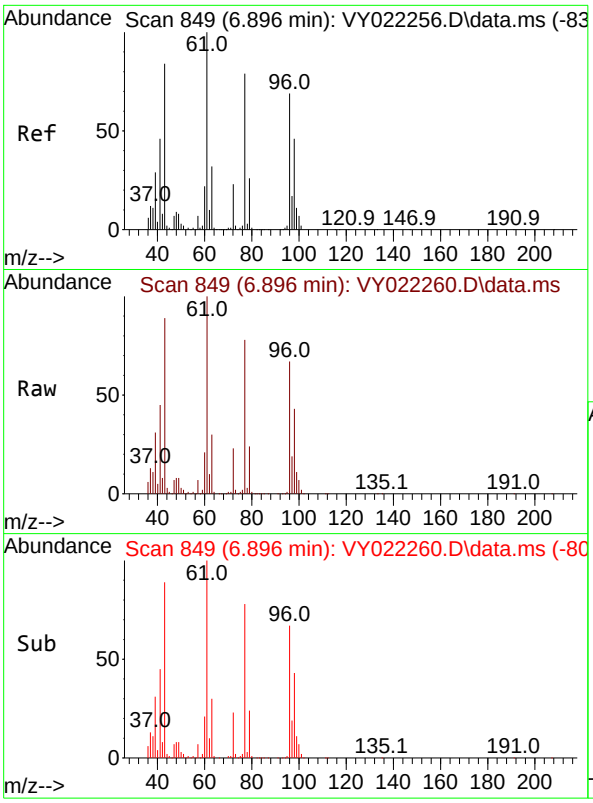


#24
1,1-Dichloroethane
Concen: 51.668 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 288933

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	4.0	2.4	7.2



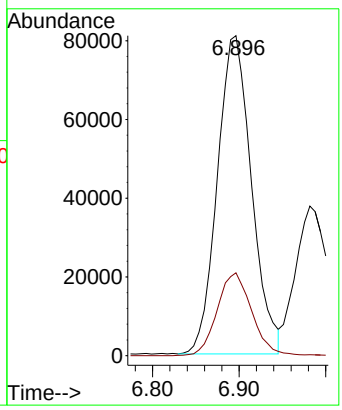


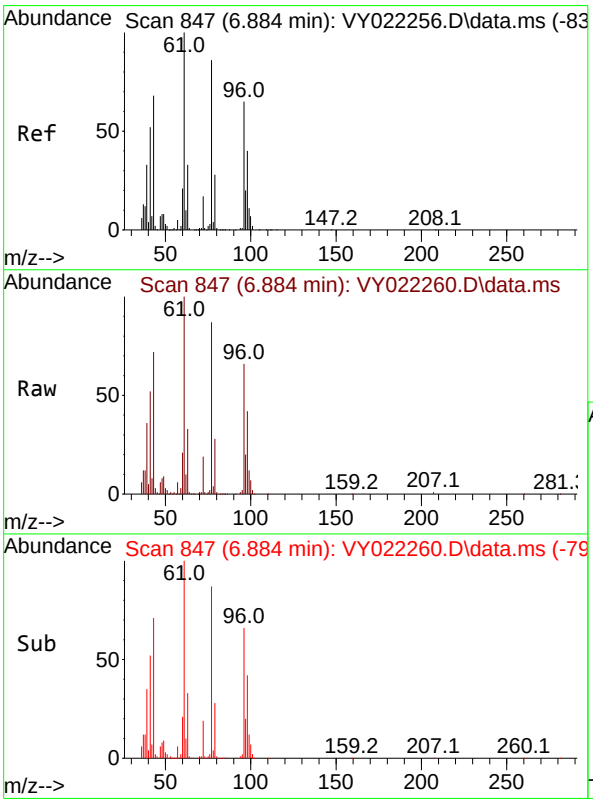
#25
2-Butanone
Concen: 255.929 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 221702

Ion	Ratio	Lower	Upper
43	100		
72	25.9	22.1	33.1

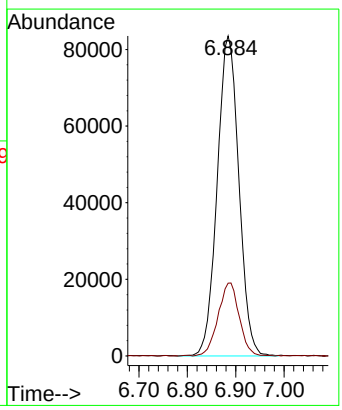


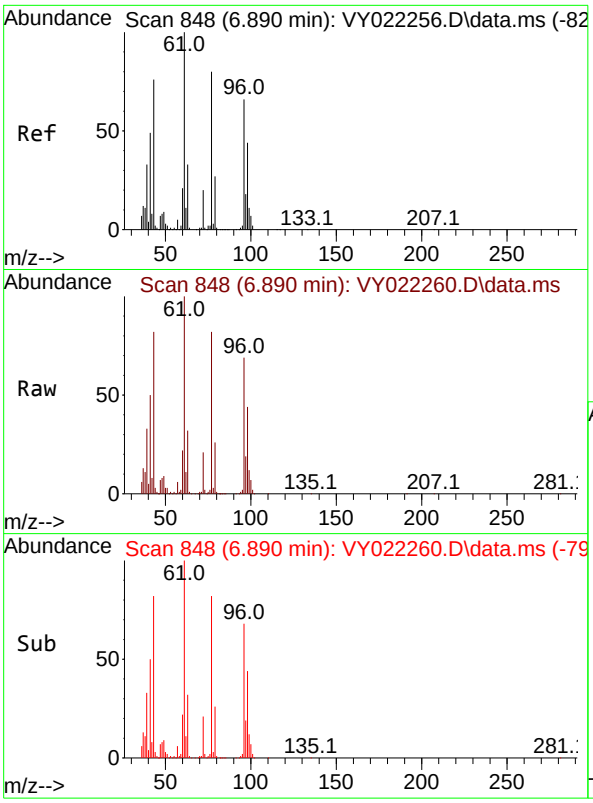


#26
2,2-Dichloropropane
Concen: 52.191 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 77 Resp: 259587

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5



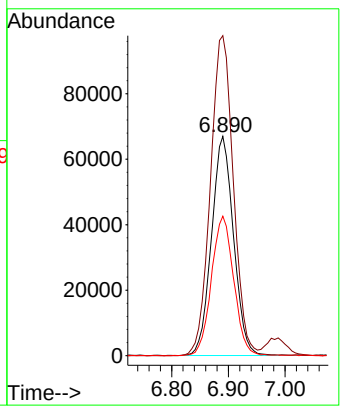


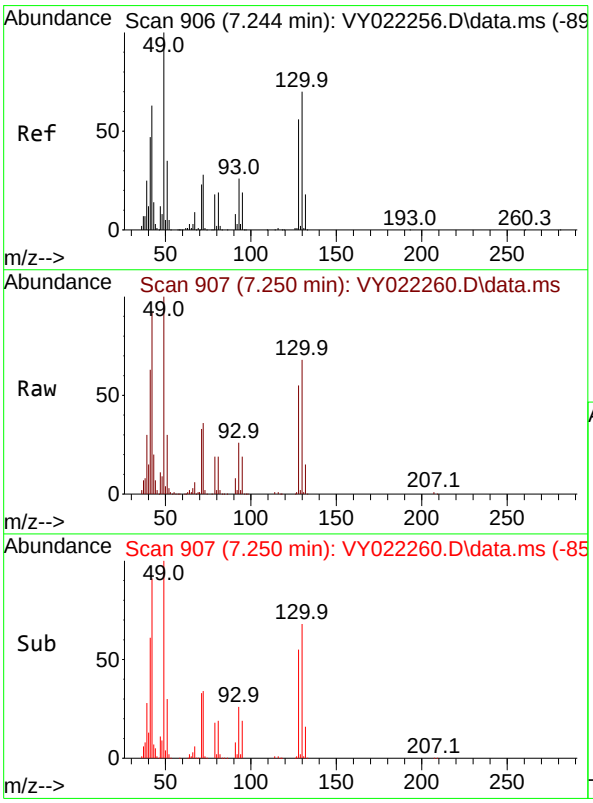
#27
cis-1,2-Dichloroethene
Concen: 52.479 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 96 Resp: 180695

Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	302.6
98	64.5	0.0	128.8

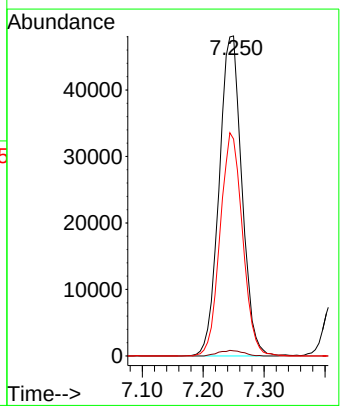


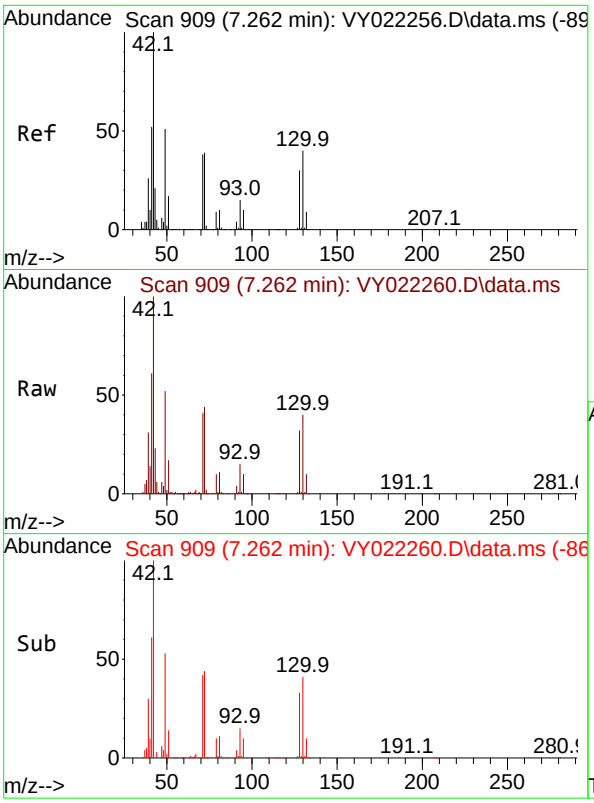


#28
Bromochloromethane
Concen: 52.305 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 49 Resp: 124761

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.8	54.7	82.1



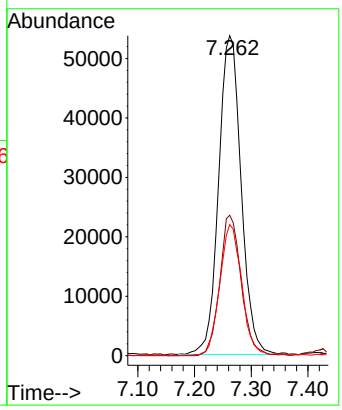


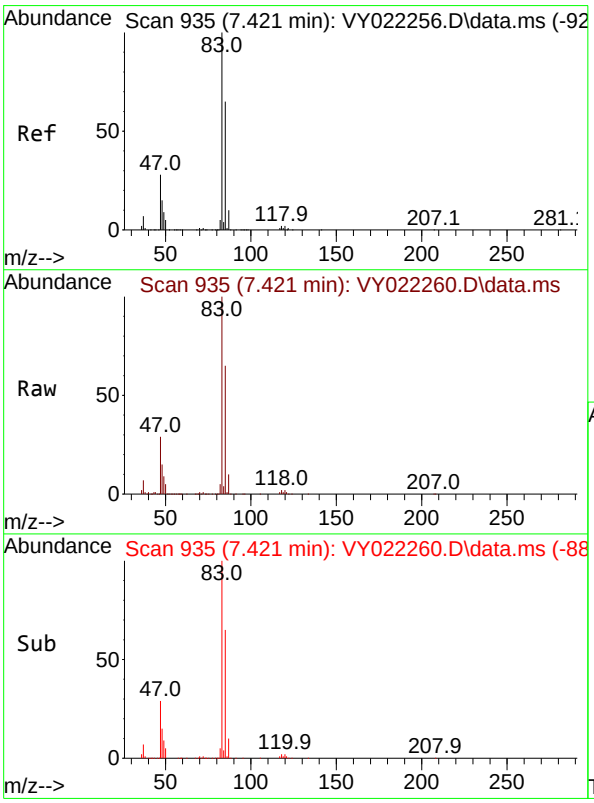
#29
Tetrahydrofuran
Concen: 264.847 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 42 Resp: 147603

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.8	50.6
71	40.1	31.5	47.3

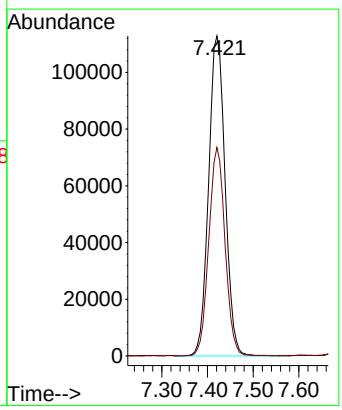


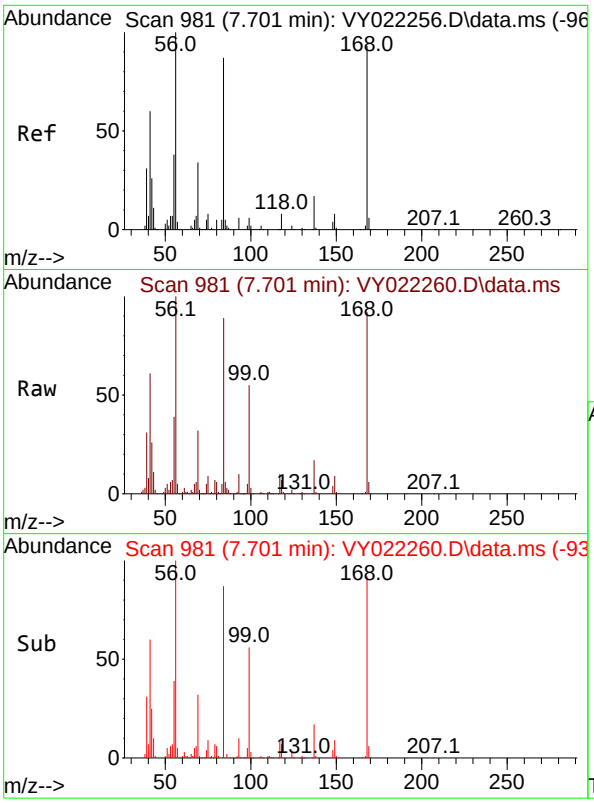


#30
Chloroform
Concen: 52.810 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 283264

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8



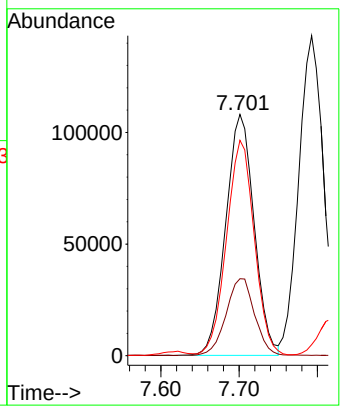


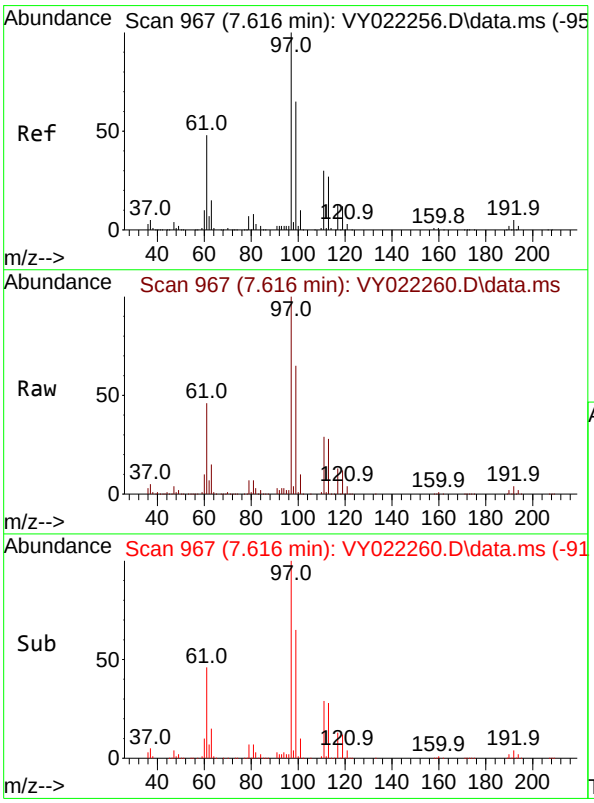
#31
Cyclohexane
Concen: 48.673 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 56 Resp: 271949

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.5	70.0	105.0

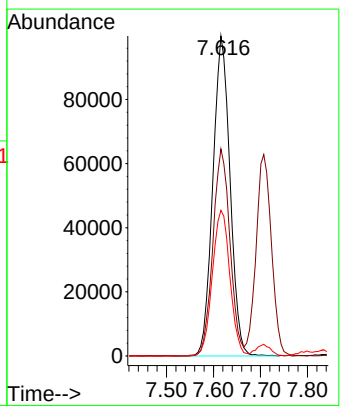


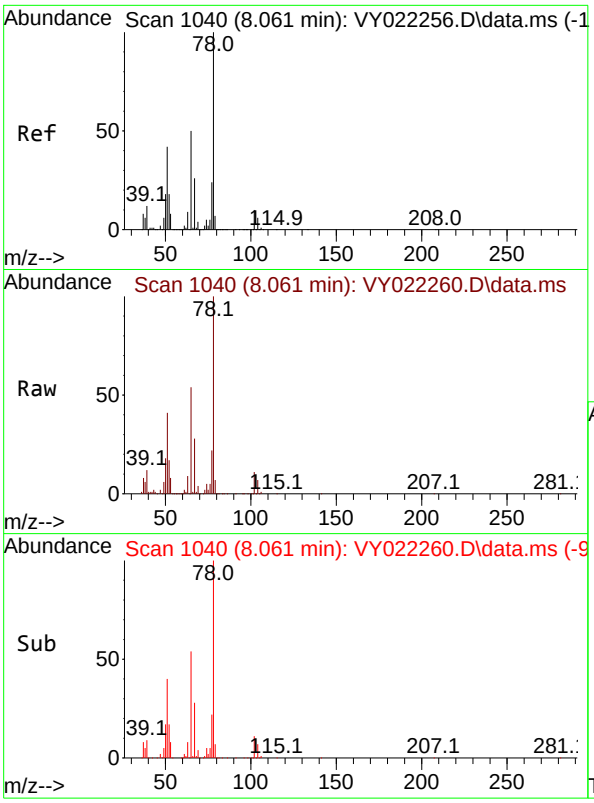


#32
1,1,1-Trichloroethane
Concen: 51.523 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 97 Resp: 253549

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	46.6	38.1	57.1



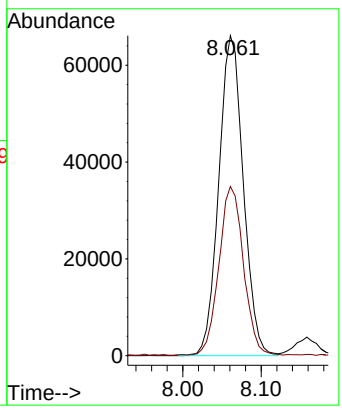


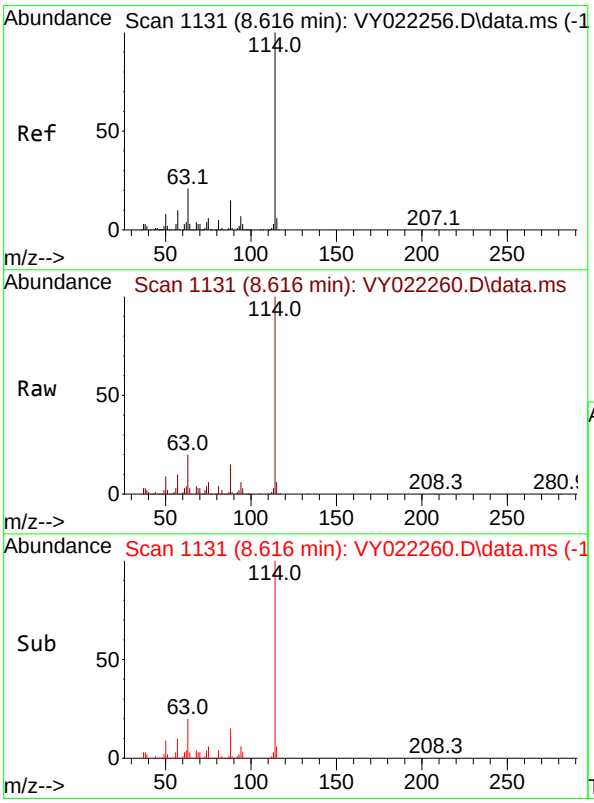
#33
1,2-Dichloroethane-d4
Concen: 52.104 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 65 Resp: 143909

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

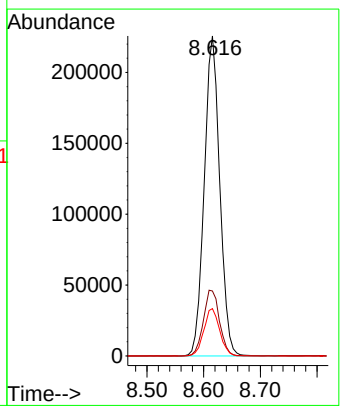


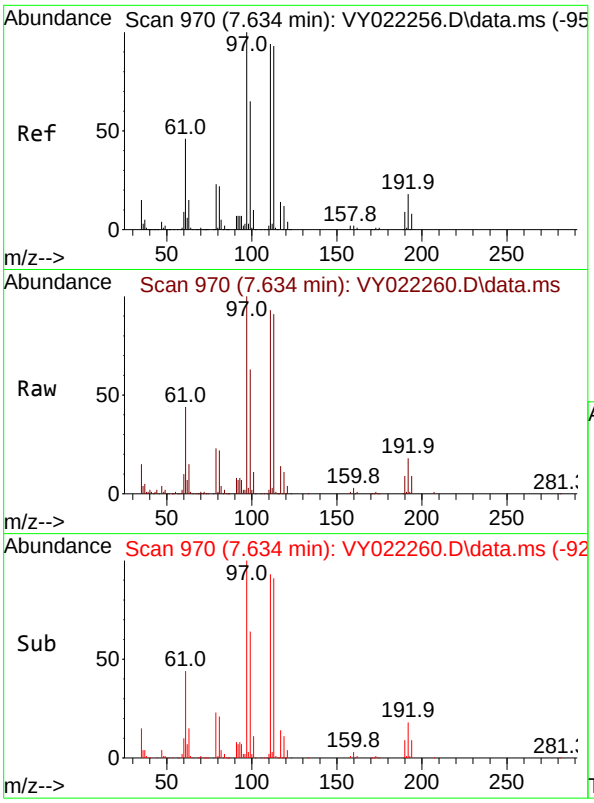


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:114 Resp: 428969

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	14.8	0.0	29.4



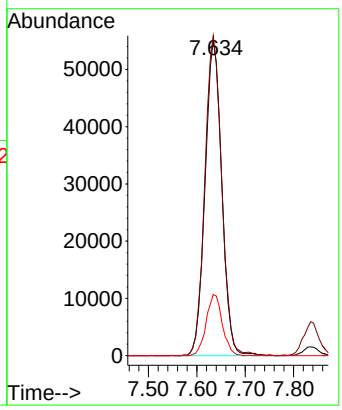


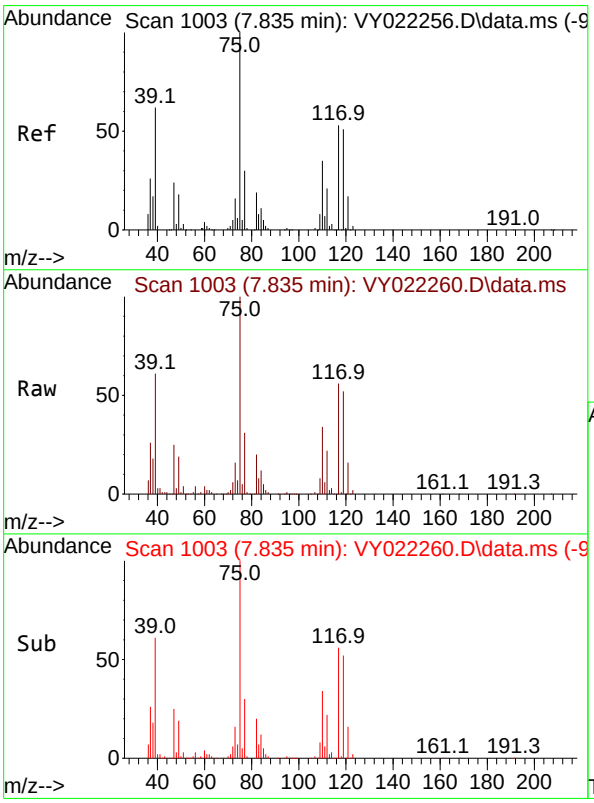
#35
Dibromofluoromethane
Concen: 51.658 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:113 Resp: 132263

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	18.7	15.2	22.8

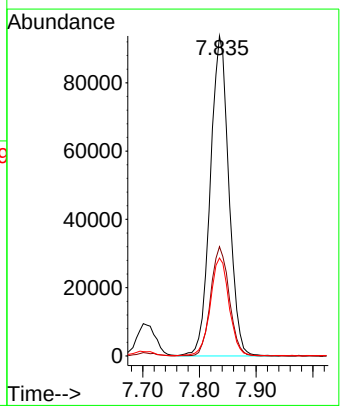


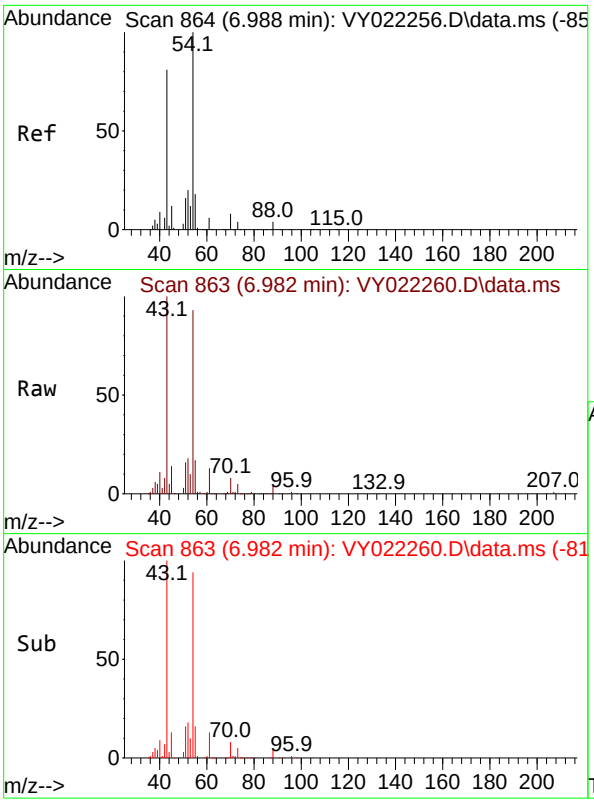


#36
1,1-Dichloropropene
Concen: 50.457 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 212786

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.6	49.8
77	30.7	24.6	37.0



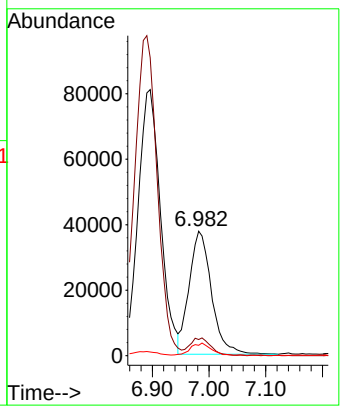


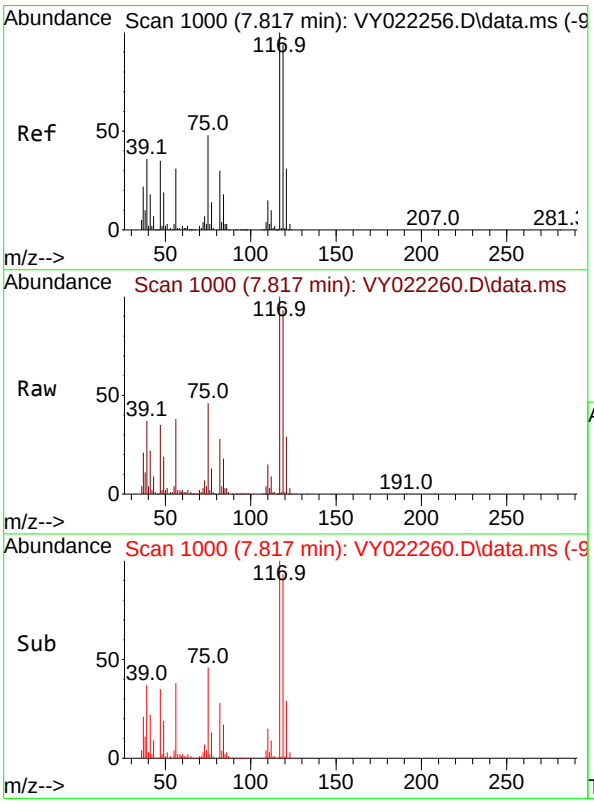
#37
Ethyl Acetate
Concen: 50.633 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 102740

Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.2
70	8.8	7.6	11.4

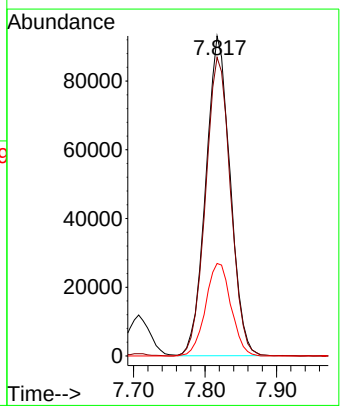


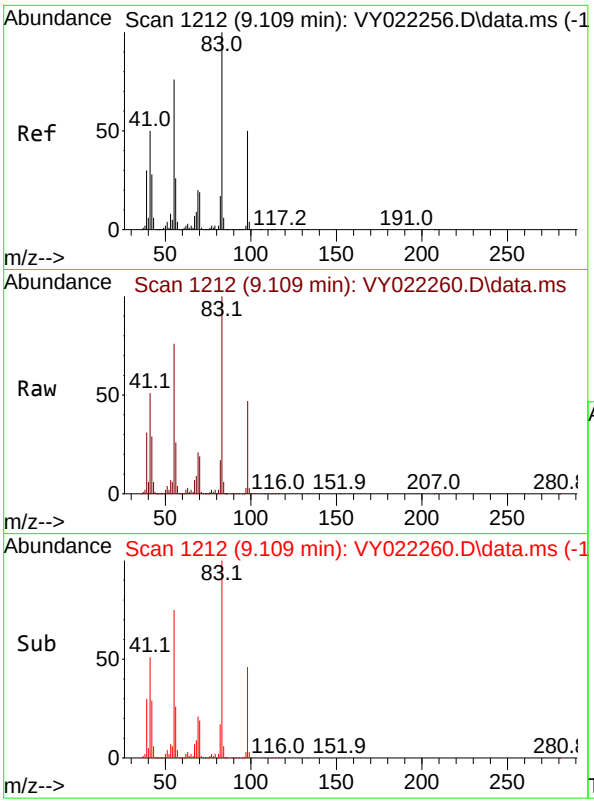


#38
Carbon Tetrachloride
Concen: 50.543 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 220636

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.3	112.9
121	28.9	24.7	37.1



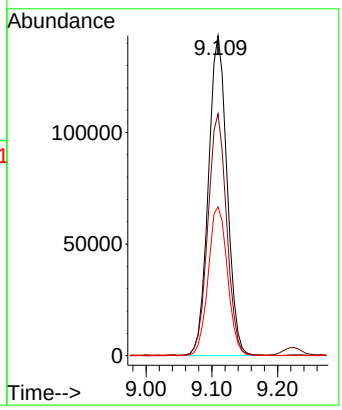


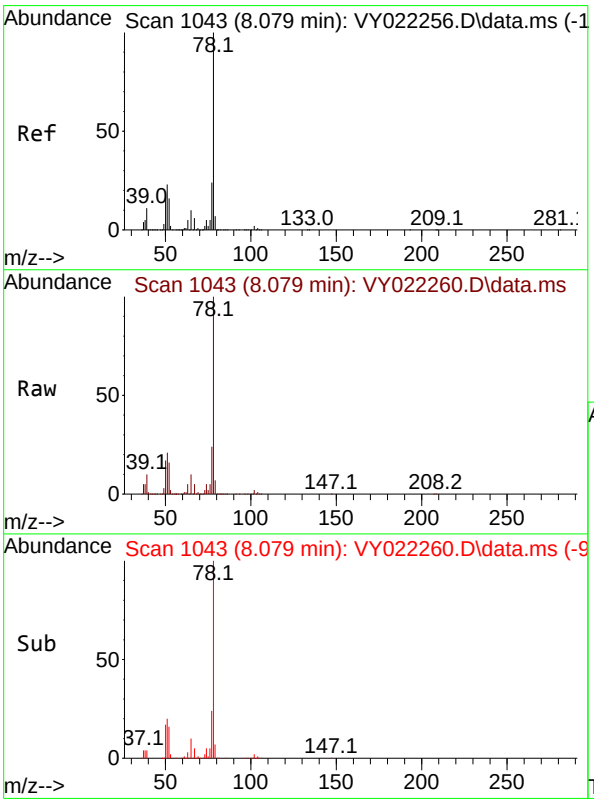
#39
Methylcyclohexane
Concen: 50.015 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 83 Resp: 283373

Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.6	90.8
98	46.5	40.0	60.0

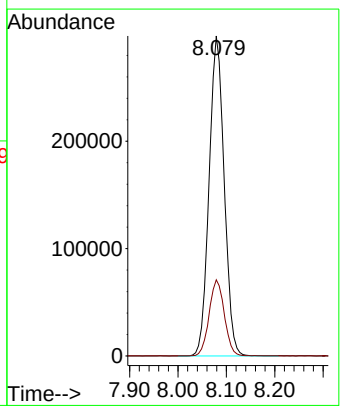


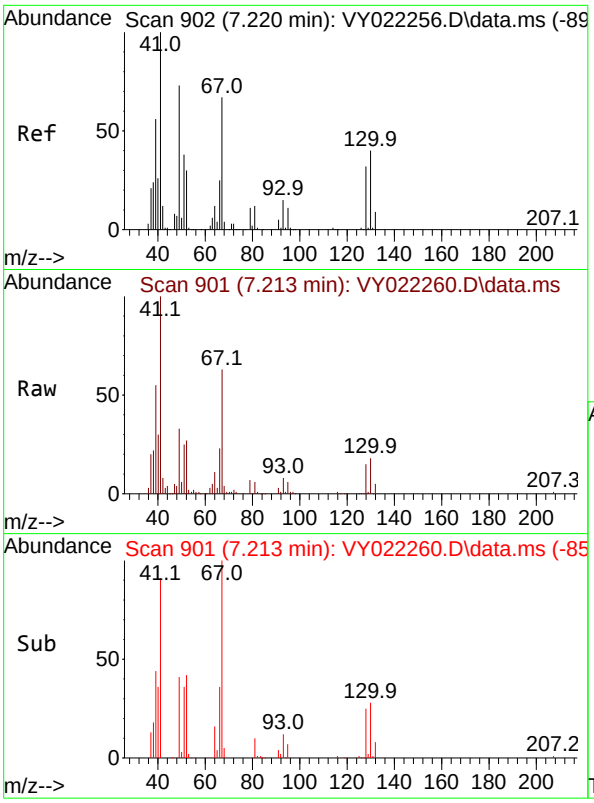


#40
Benzene
Concen: 51.696 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 78 Resp: 646289

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



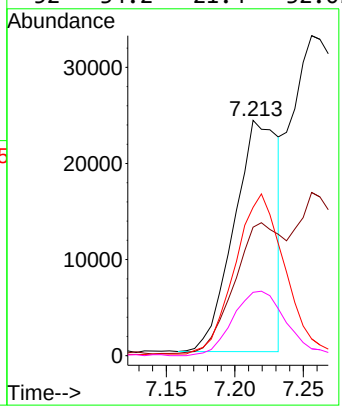


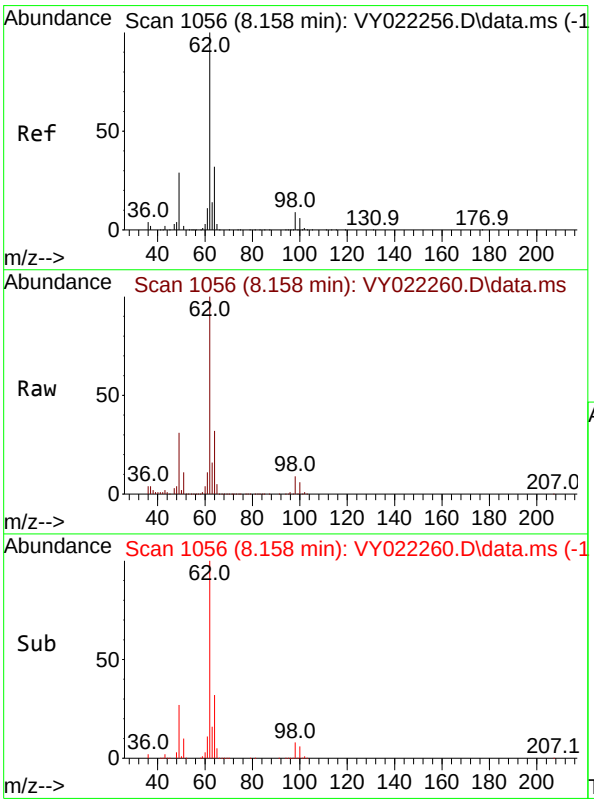
#41
Methacrylonitrile
Concen: 39.891 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 41 Resp: 53692

Ion	Ratio	Lower	Upper
41	100		
39	64.6	39.1	58.7#
67	78.4	47.1	70.7#
52	34.2	21.4	32.0#

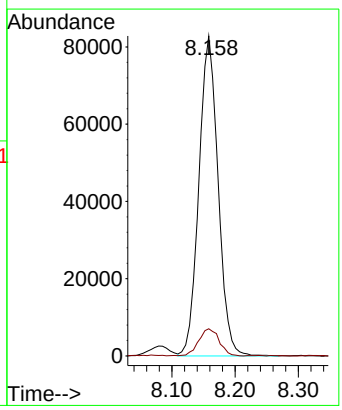


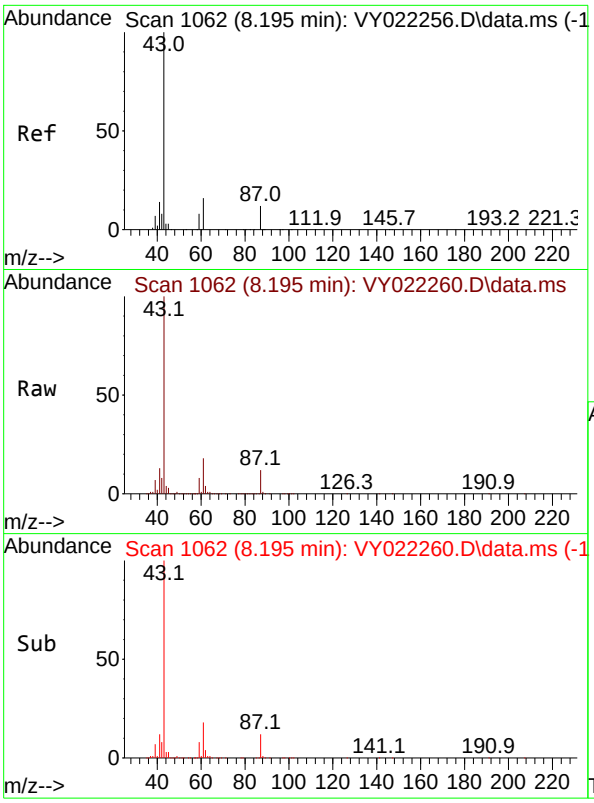


#42
1,2-Dichloroethane
Concen: 51.834 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 175241

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



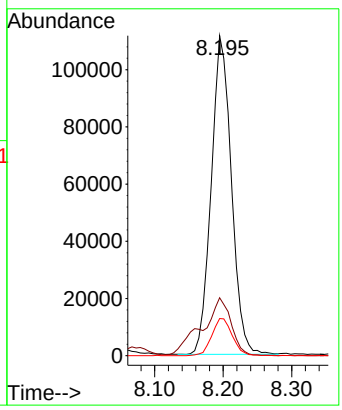


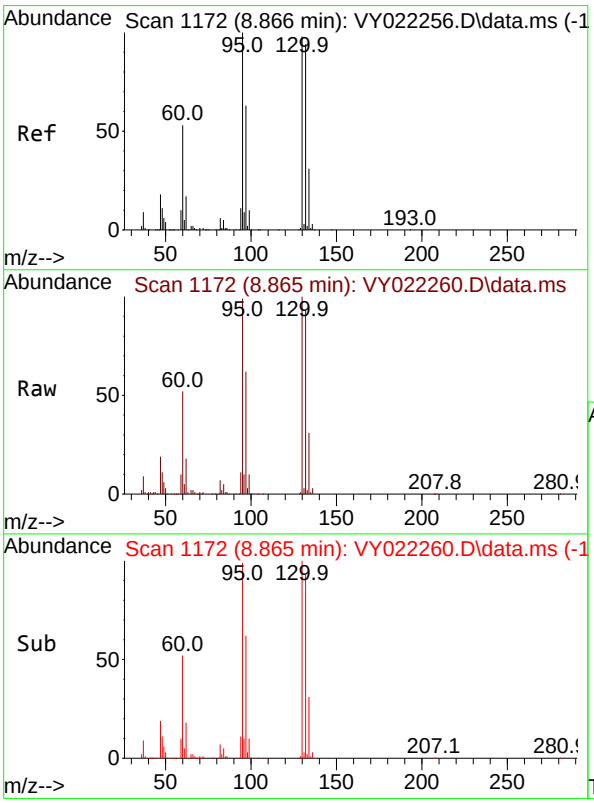
#43
Isopropyl Acetate
Concen: 51.415 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 227521

Ion	Ratio	Lower	Upper
43	100		
61	26.5	15.1	22.7#
87	11.9	9.7	14.5

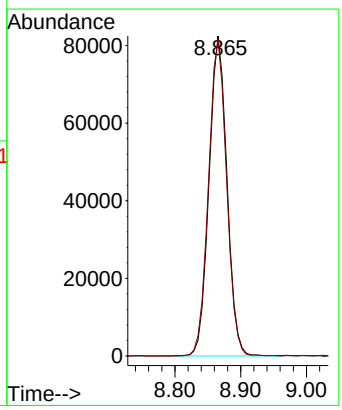


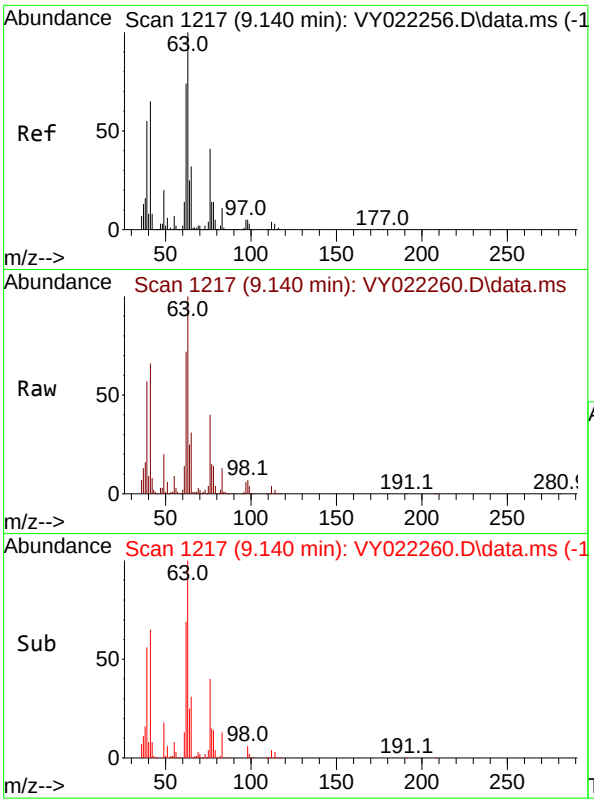


#44
Trichloroethene
Concen: 50.335 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:130 Resp: 156468

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	204.8



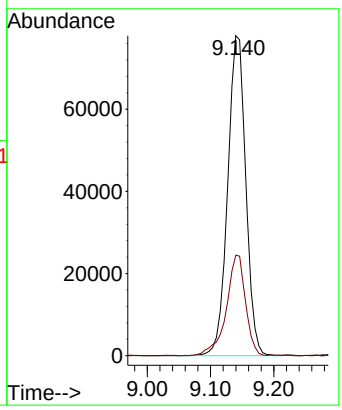


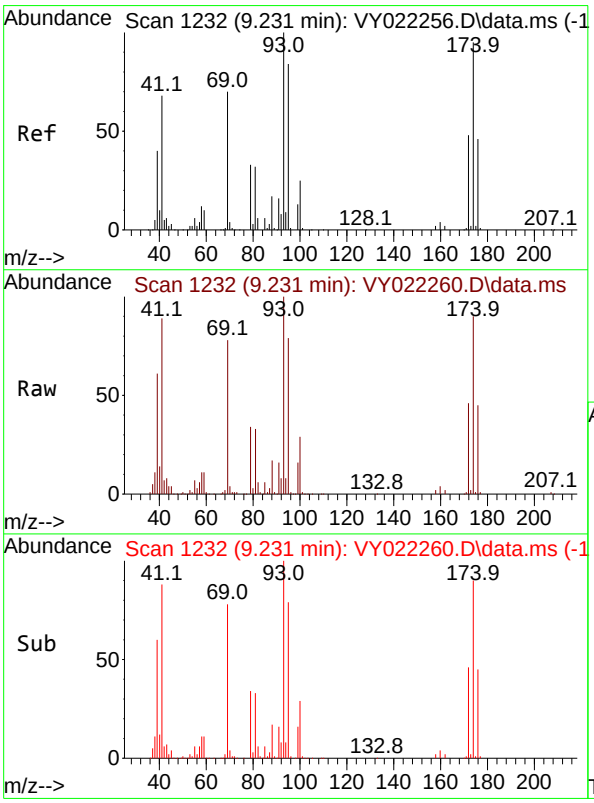
#45
1,2-Dichloropropane
Concen: 51.417 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 63 Resp: 154975

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.7	38.5

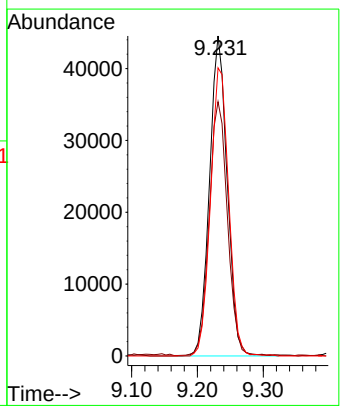


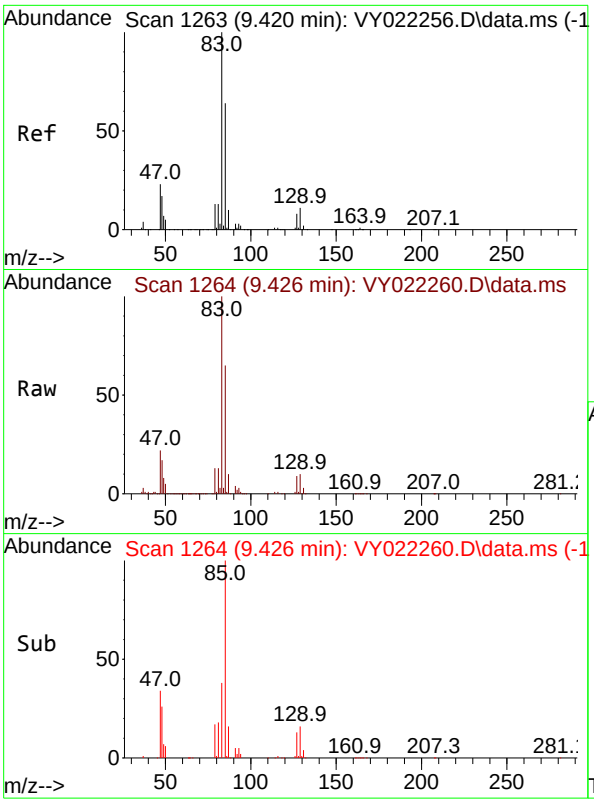


#46
Dibromomethane
Concen: 51.423 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 93 Resp: 83597

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.2	97.8
174	92.4	74.3	111.5



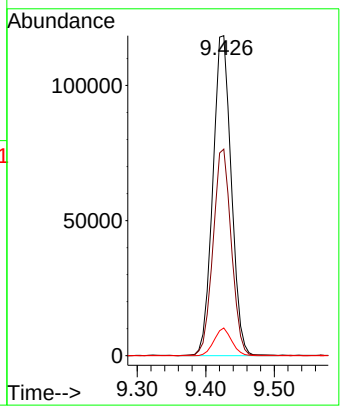


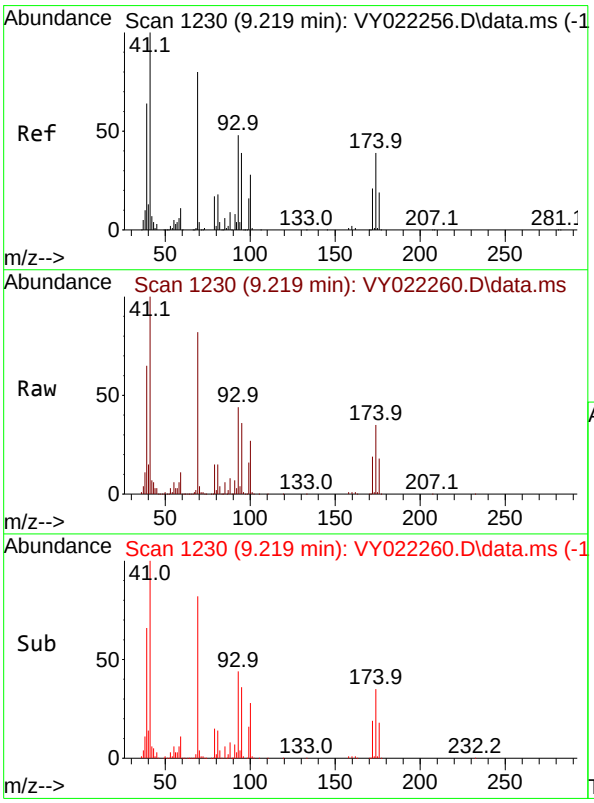
#47
Bromodichloromethane
Concen: 52.508 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 83 Resp: 221446

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	8.6	6.6	10.0

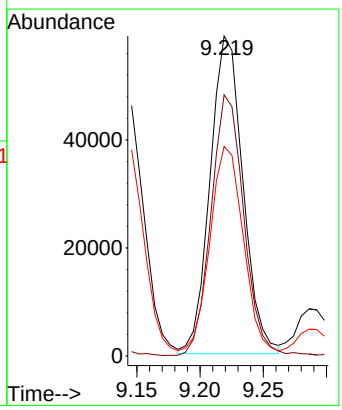


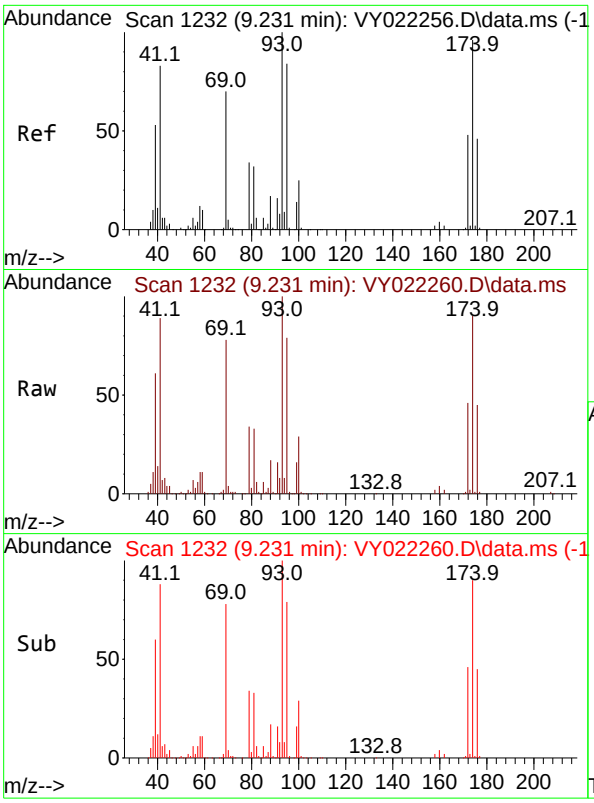


#48
Methyl methacrylate
Concen: 51.357 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 106283

Ion	Ratio	Lower	Upper
41	100		
69	81.5	63.5	95.3
39	64.6	50.8	76.2



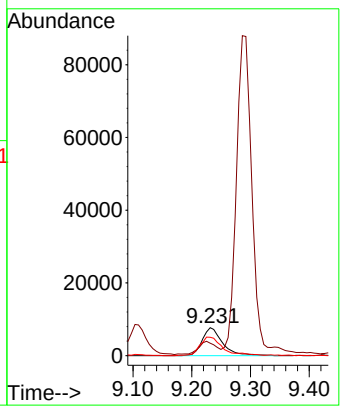


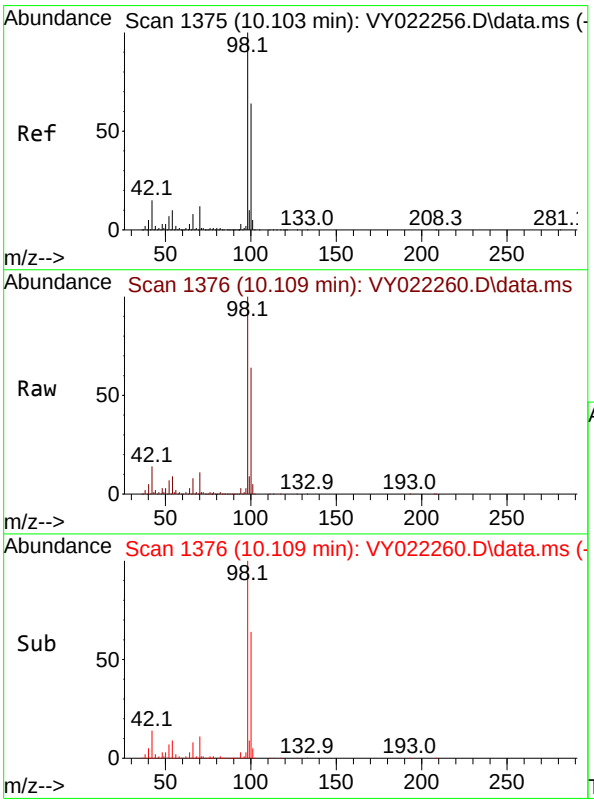
#49
1,4-Dioxane
Concen: 1008.479 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 88 Resp: 18521

Ion	Ratio	Lower	Upper
88	100		
43	40.7	28.5	42.7
58	74.5	61.4	92.2

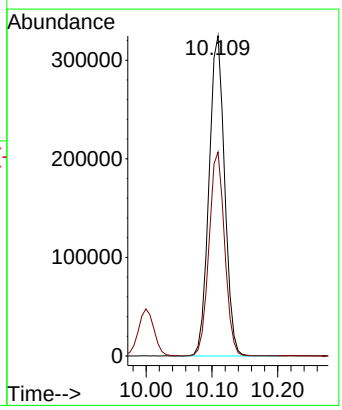


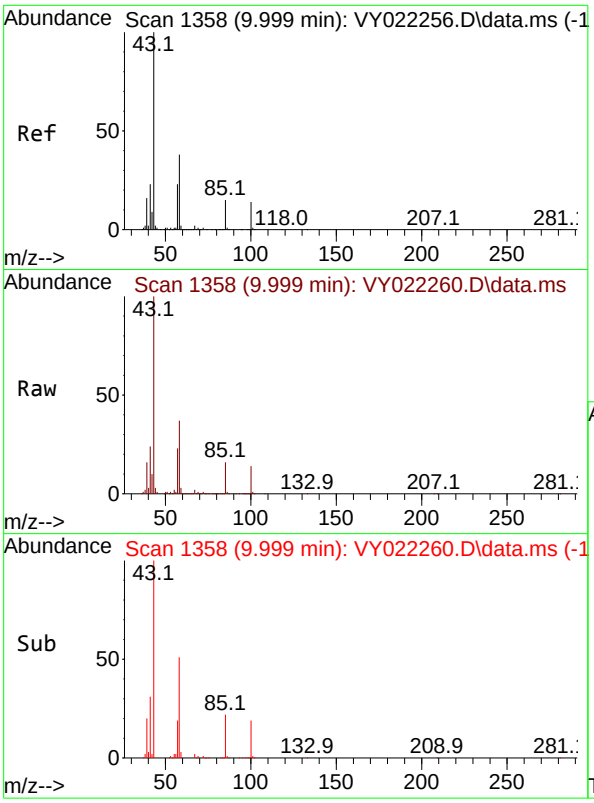


#50
Toluene-d8
Concen: 51.229 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 98 Resp: 537188

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.8	77.8



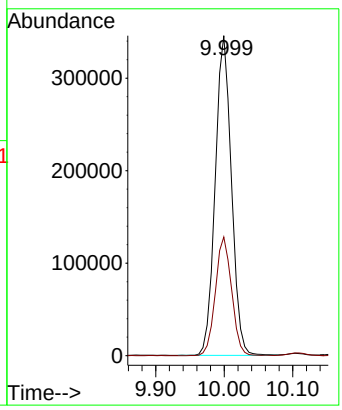


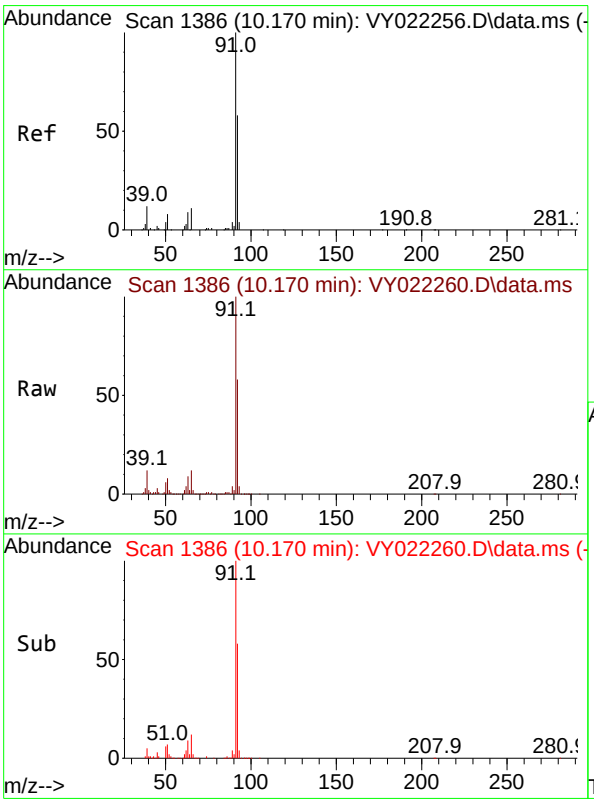
#51
4-Methyl-2-Pentanone
Concen: 261.463 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 567722

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2

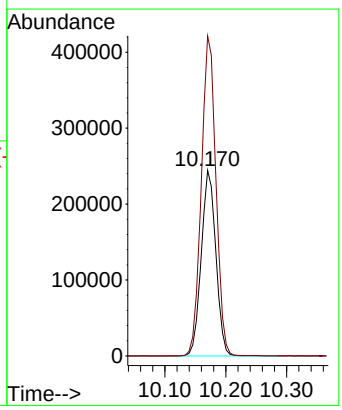


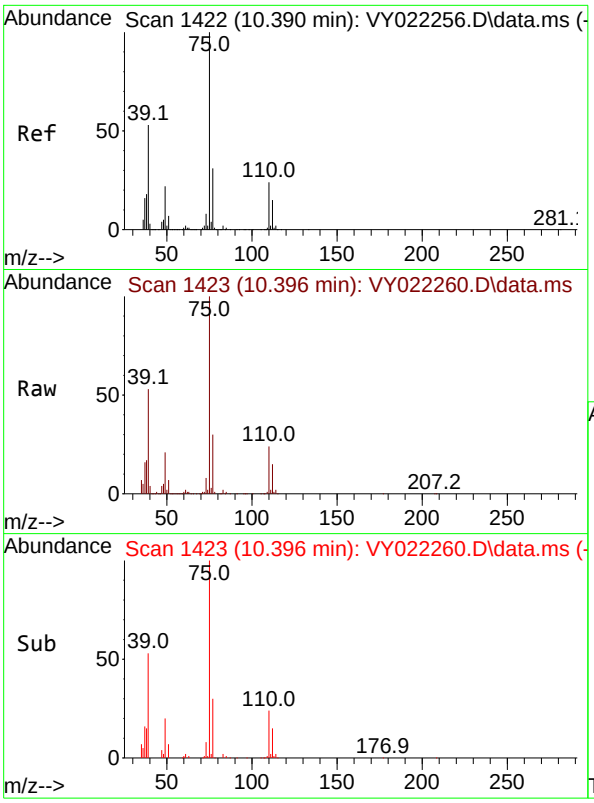


#52
Toluene
Concen: 51.337 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 92 Resp: 406420

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.1	208.7



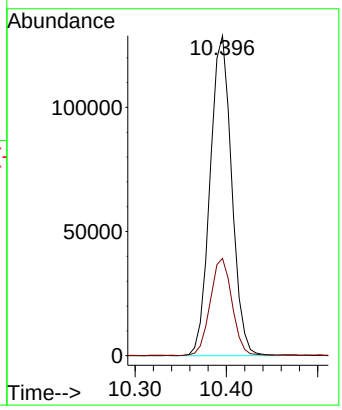


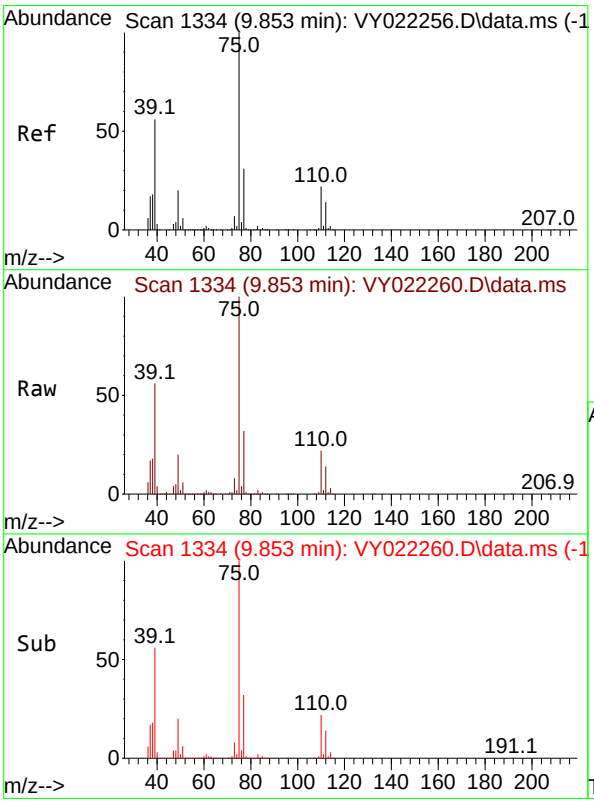
#53
t-1,3-Dichloropropene
Concen: 51.458 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 75 Resp: 211790

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.6

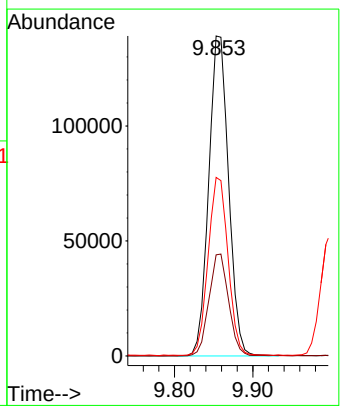


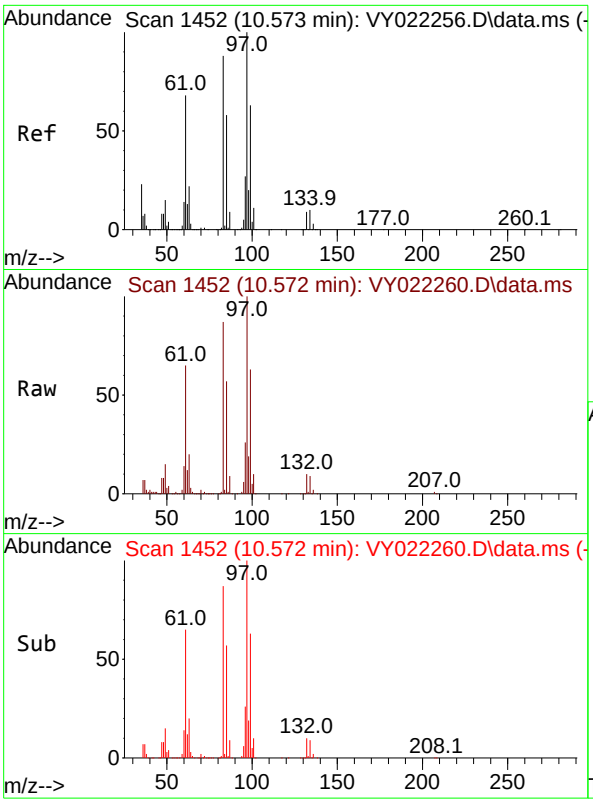


#54
cis-1,3-Dichloropropene
Concen: 51.916 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 244811

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	55.6	44.5	66.7



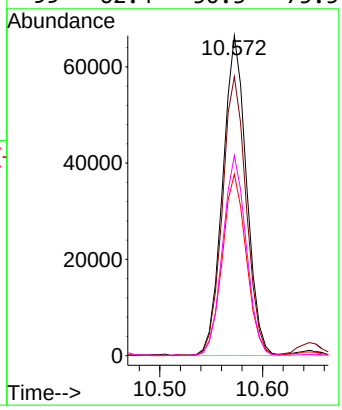


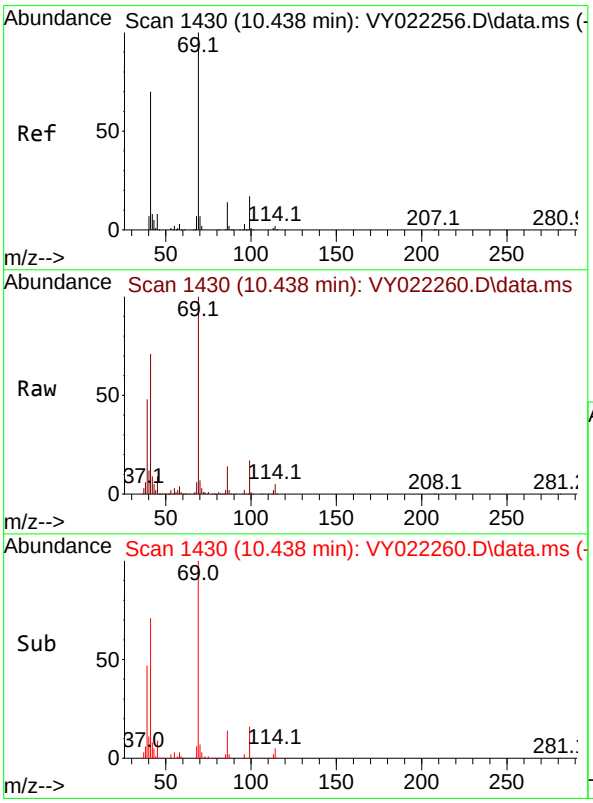
#55
1,1,2-Trichloroethane
Concen: 51.142 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 97 Resp: 106464

Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.3	105.5
85	56.6	46.2	69.4
99	62.4	50.3	75.5

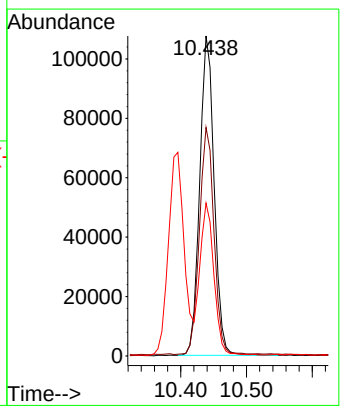


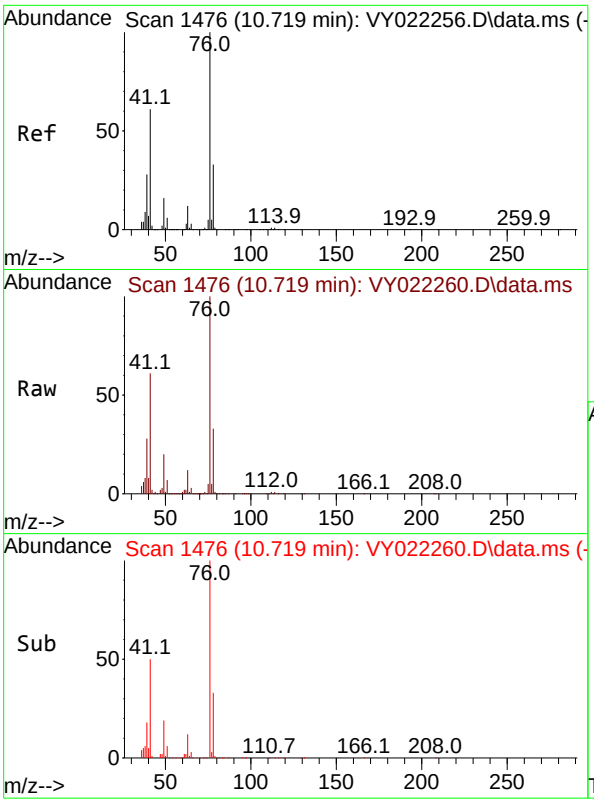


#56
Ethyl methacrylate
Concen: 50.639 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 69 Resp: 164207

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.5	84.7
39	45.6	37.1	55.7



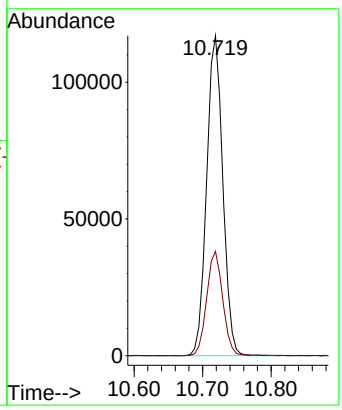


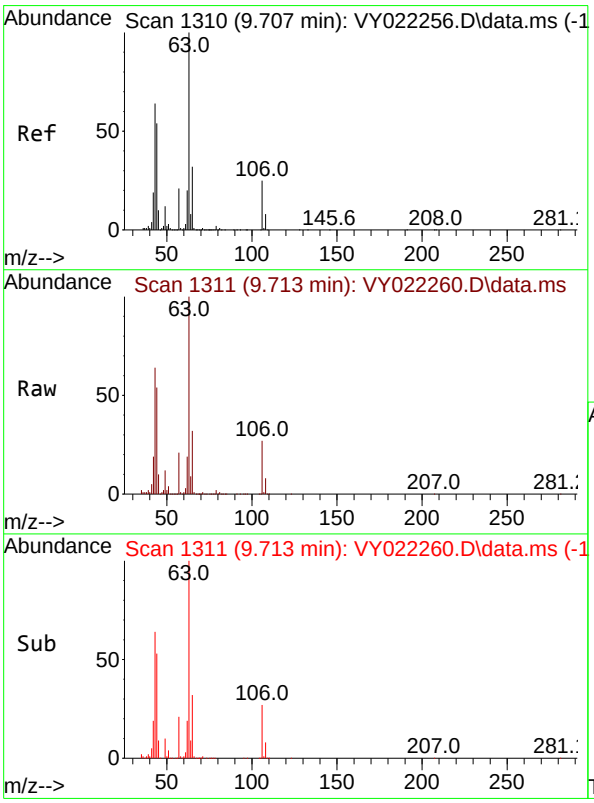
#57
1,3-Dichloropropane
Concen: 51.880 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 76 Resp: 191889

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

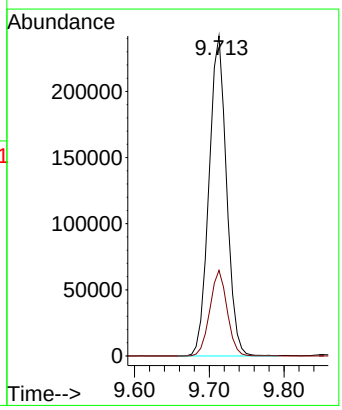


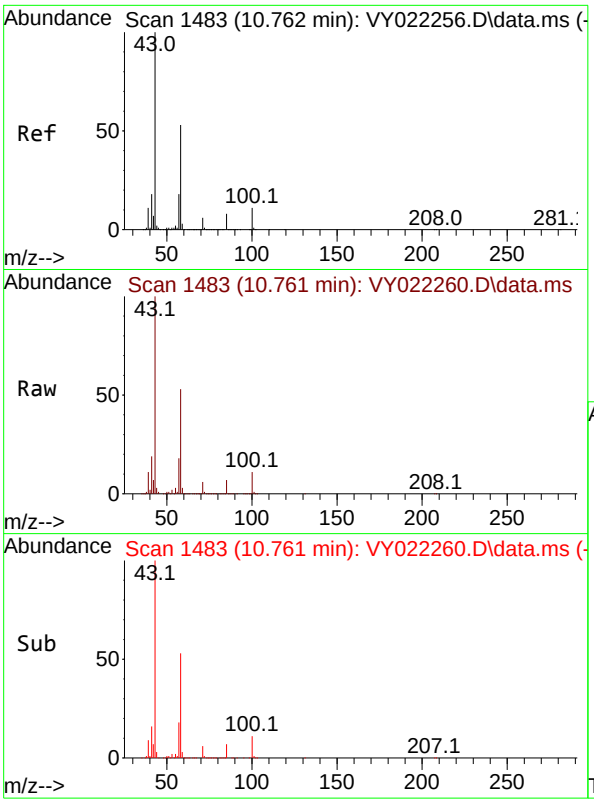


#58
2-Chloroethyl Vinyl ether
Concen: 271.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 394587

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4



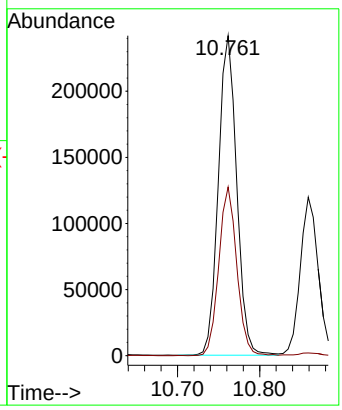


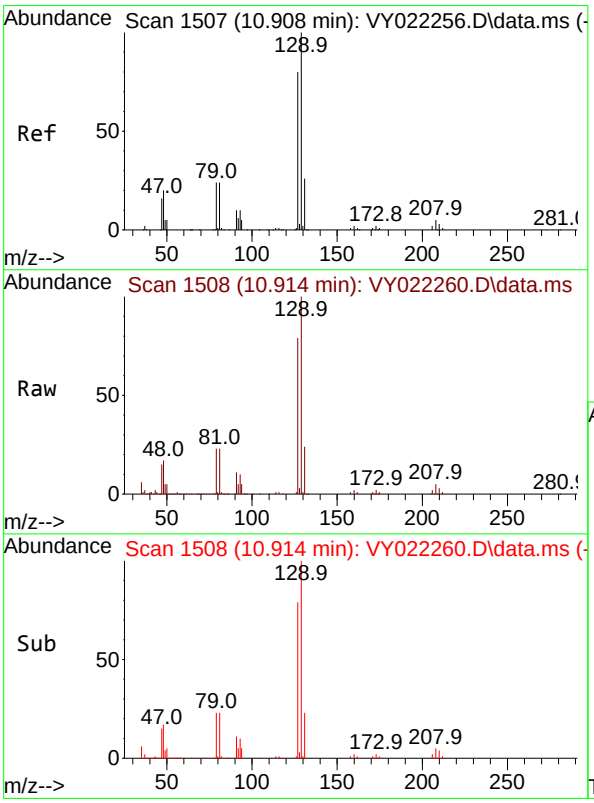
#59
2-Hexanone
Concen: 257.738 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 43 Resp: 375224

Ion	Ratio	Lower	Upper
43	100		
58	52.0	26.1	78.3

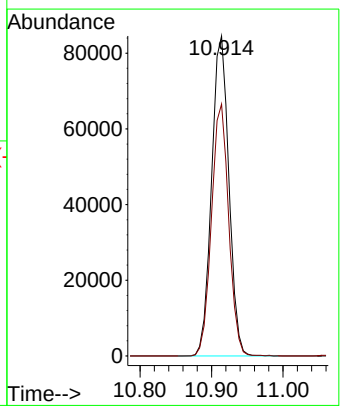


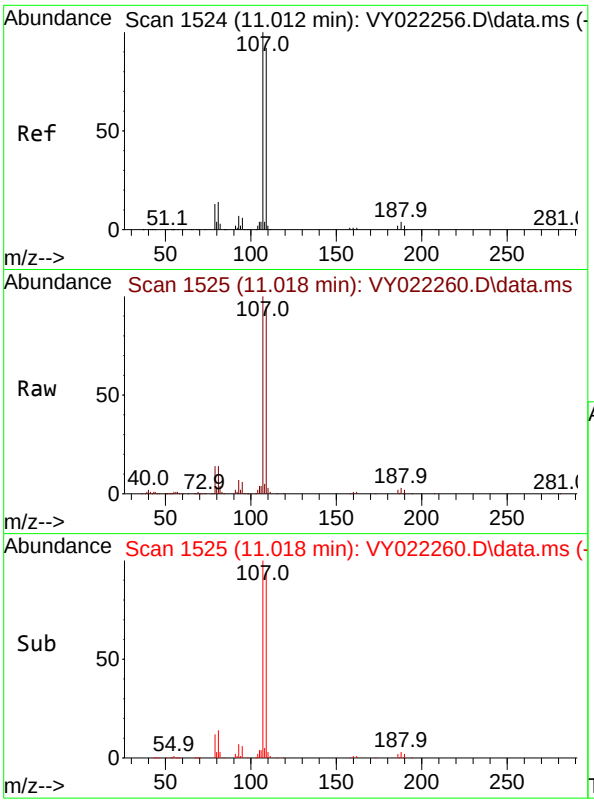


#60
Dibromochloromethane
Concen: 52.425 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:129 Resp: 141652

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7



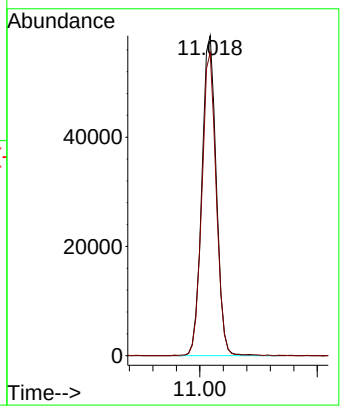


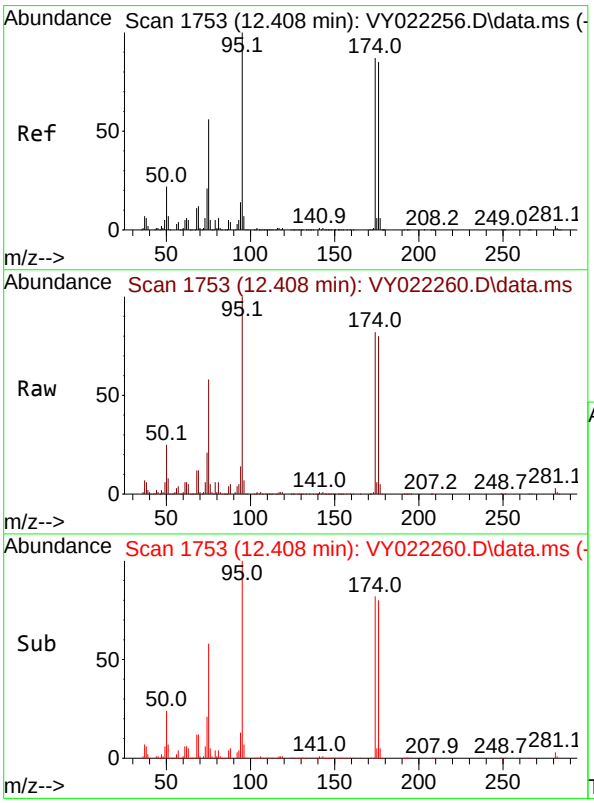
#61
1,2-Dibromoethane
Concen: 51.428 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:107 Resp: 99783

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8

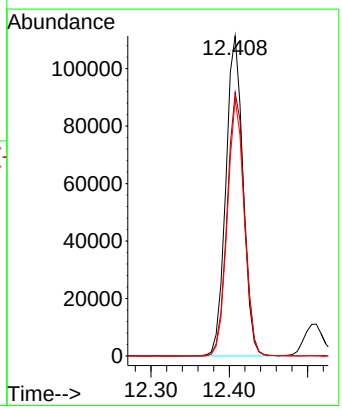


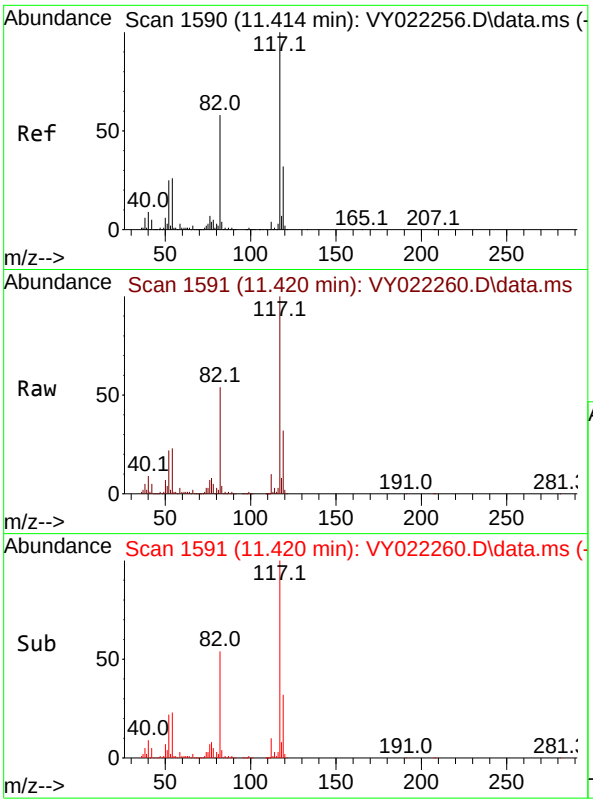


#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 95 Resp: 169575

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	166.8
176	79.1	0.0	160.8



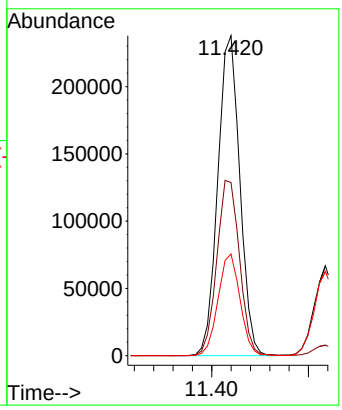


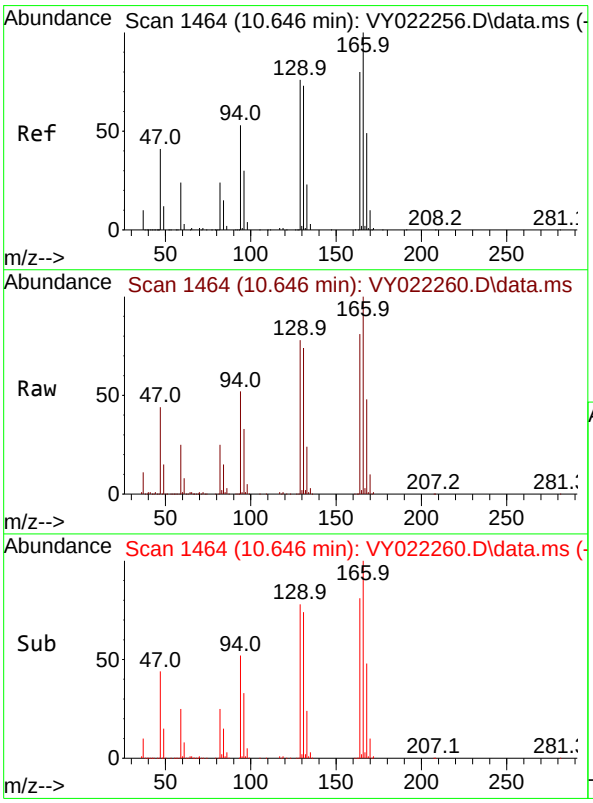
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:117 Resp: 375548

Ion	Ratio	Lower	Upper
117	100		
82	54.1	46.6	70.0
119	31.8	25.8	38.6

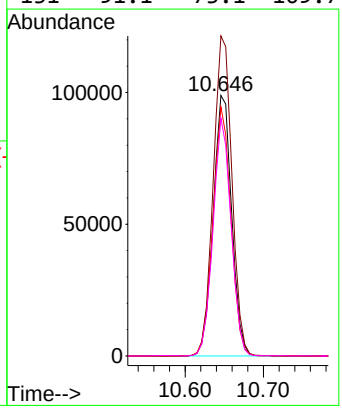


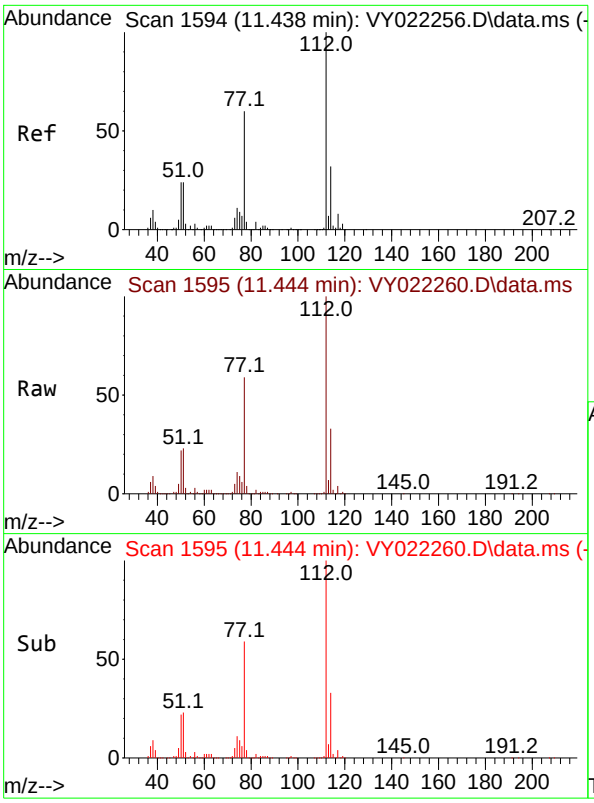


#64
Tetrachloroethene
Concen: 46.905 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:164 Resp: 162818

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.4	150.6
129	95.5	76.4	114.6
131	91.1	73.1	109.7



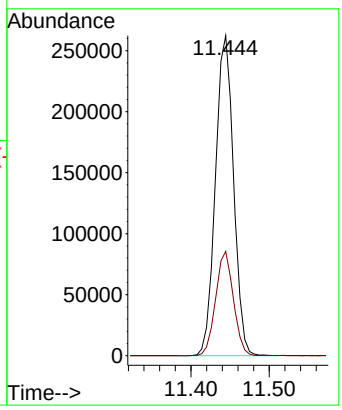


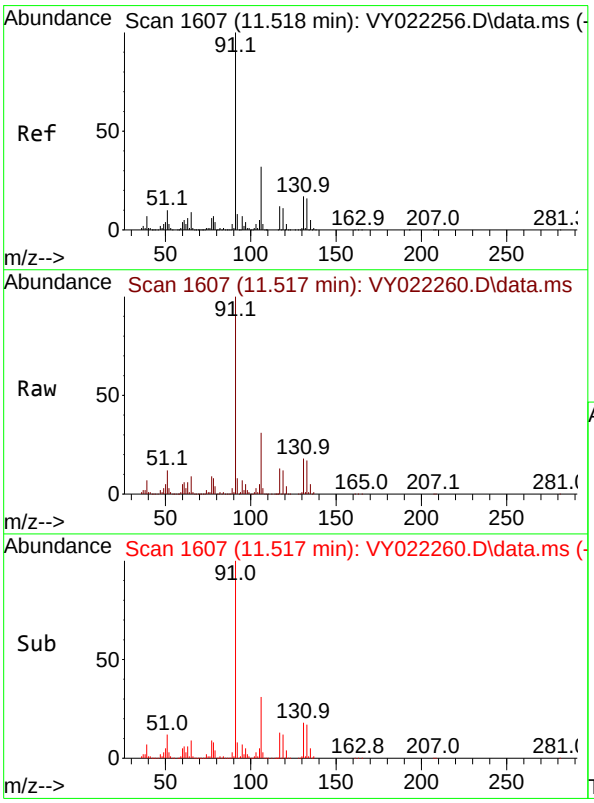
#65
Chlorobenzene
Concen: 49.827 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:112 Resp: 422170

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

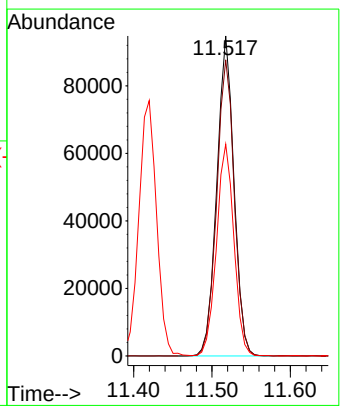


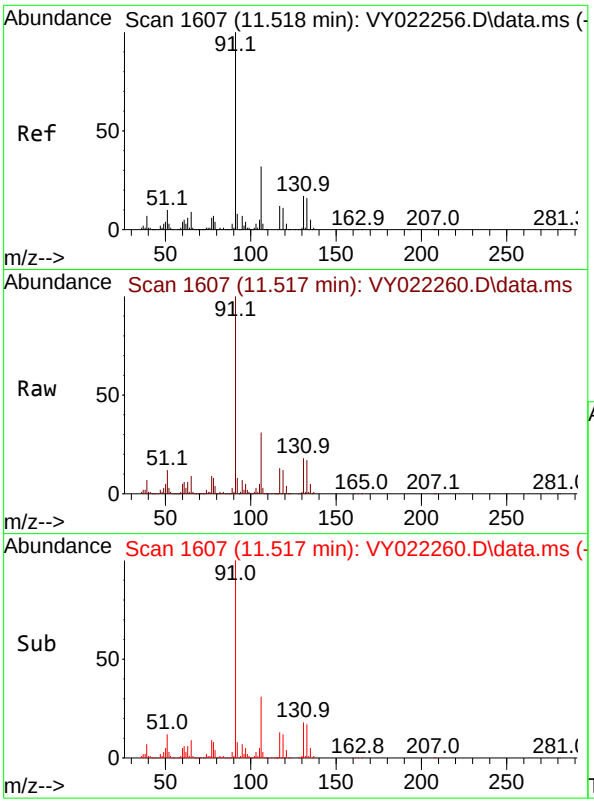


#66
1,1,1,2-Tetrachloroethane
Concen: 49.656 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:131 Resp: 144636

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	67.0	33.1	99.2



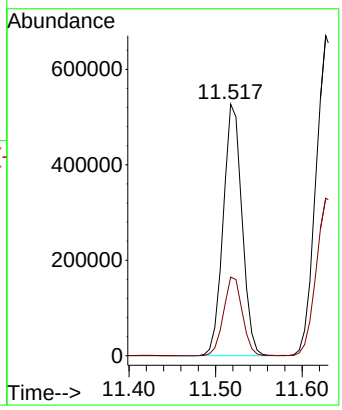


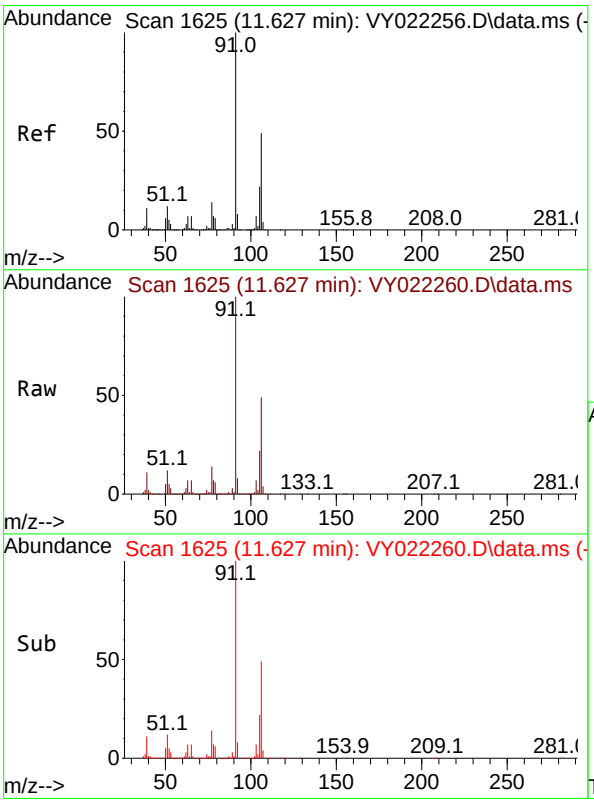
#67
Ethyl Benzene
Concen: 50.100 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 91 Resp: 794978

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0

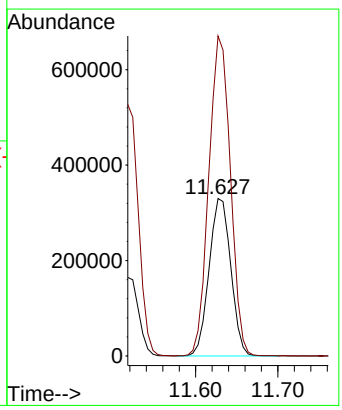


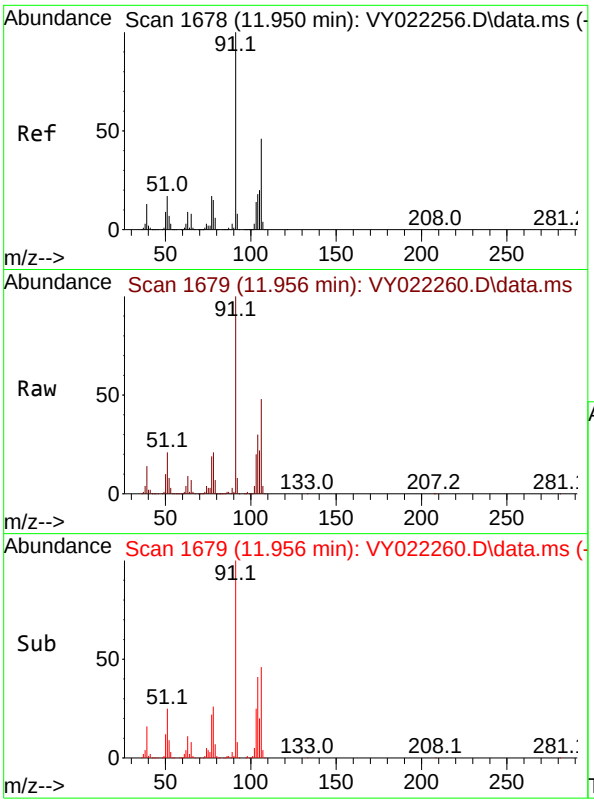


#68
m/p-Xylenes
Concen: 101.087 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:106 Resp: 604420

Ion	Ratio	Lower	Upper
106	100		
91	202.6	163.0	244.4



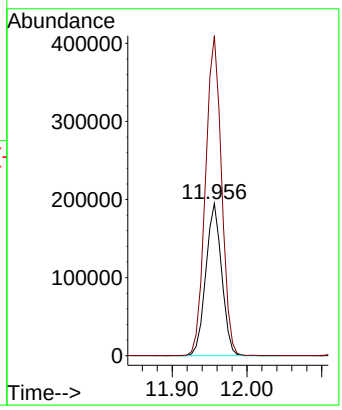


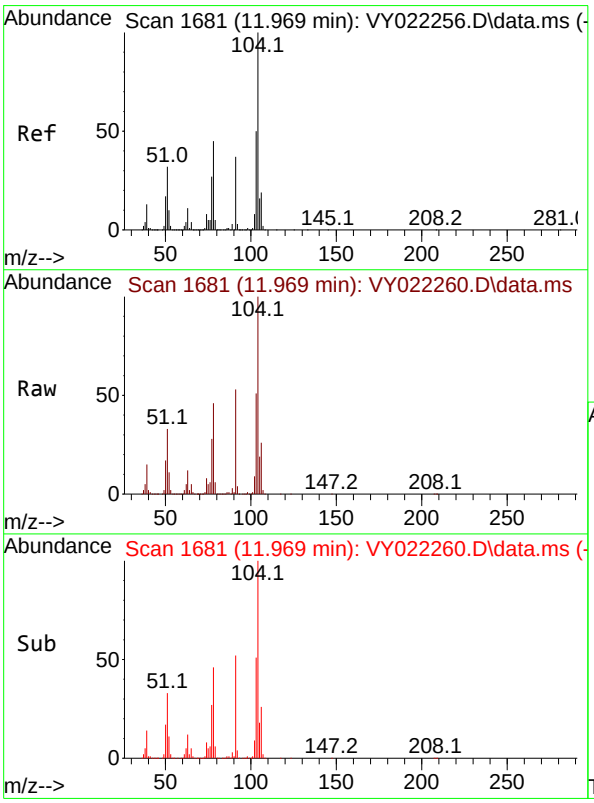
#69
o-Xylene
Concen: 50.682 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:106 Resp: 286712

Ion	Ratio	Lower	Upper
106	100		
91	213.3	108.3	324.8

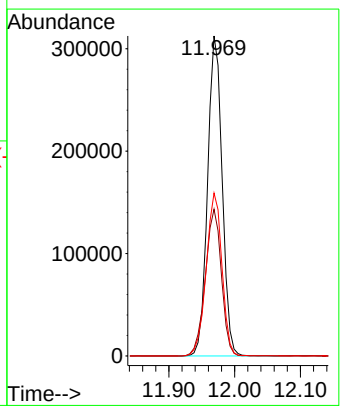


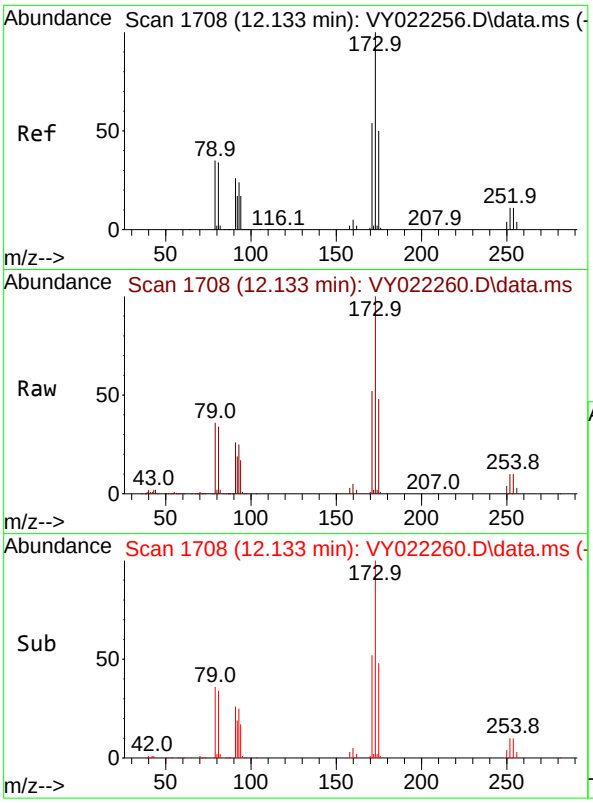


#70
Styrene
Concen: 50.471 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:104 Resp: 481621

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.9	61.3
103	55.1	43.7	65.5



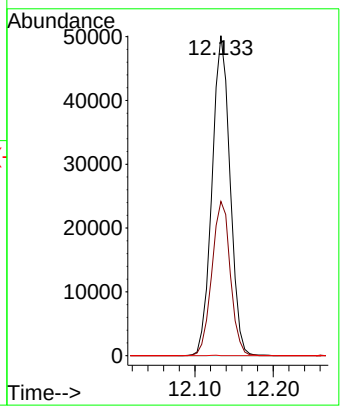


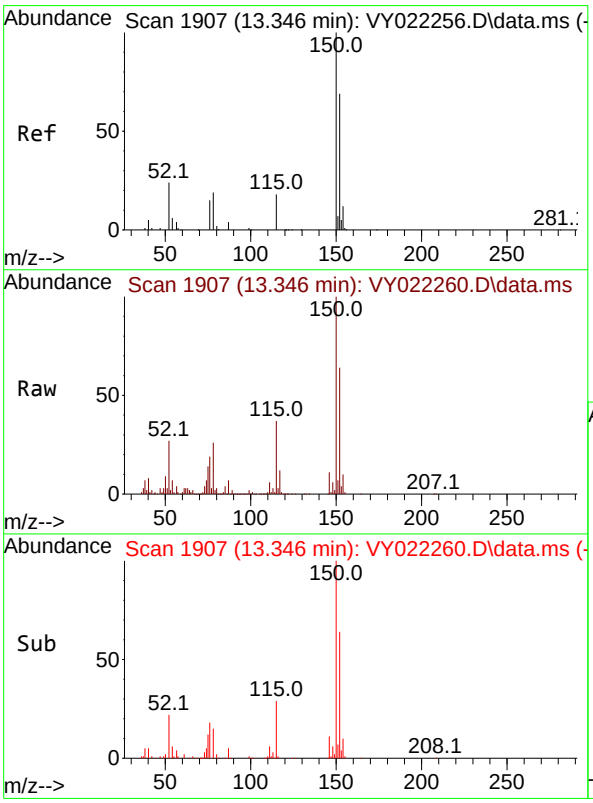
#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:173 Resp: 80216

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.1	0.0	0.0#

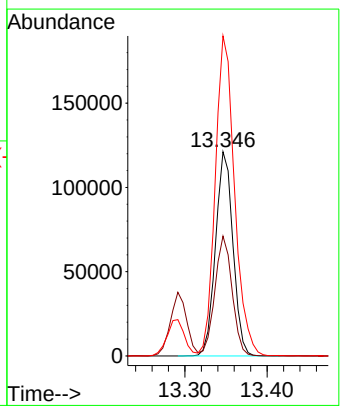


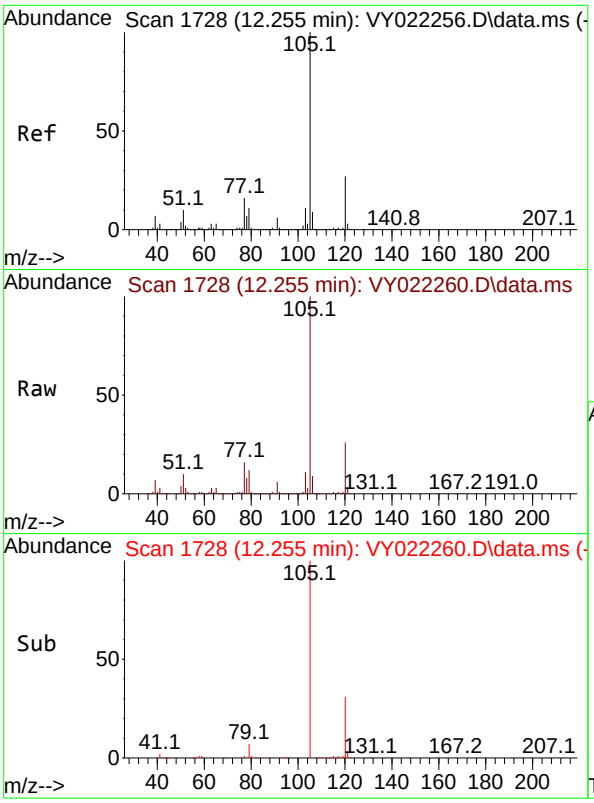


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:152 Resp: 178387

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	173.8	0.0	353.8



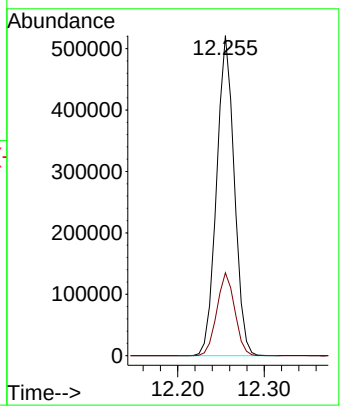


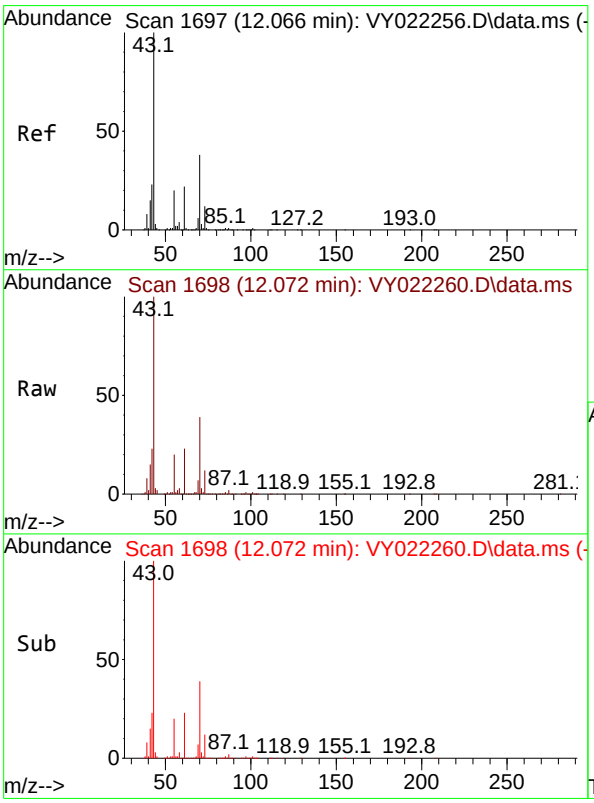
#73
Isopropylbenzene
Concen: 49.964 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:105 Resp: 738398

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

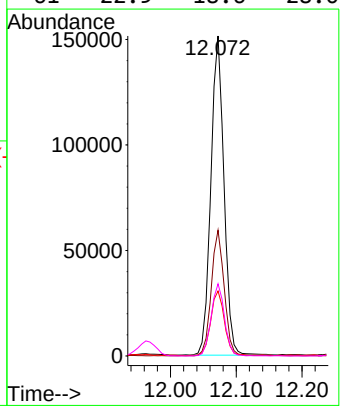


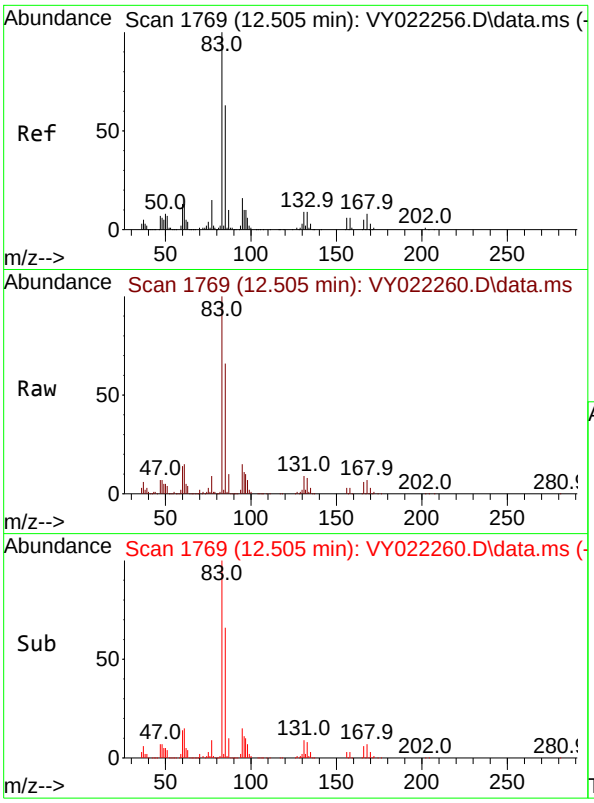


#74
N-amyl acetate
Concen: 49.805 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 210510

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.4	47.0
55	20.7	17.0	25.6
61	22.9	18.6	28.0



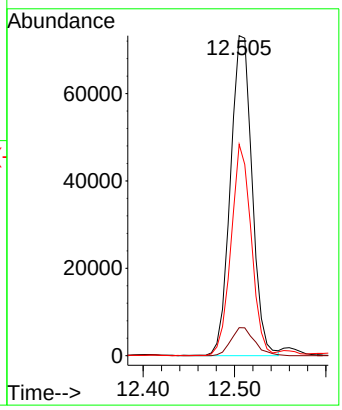


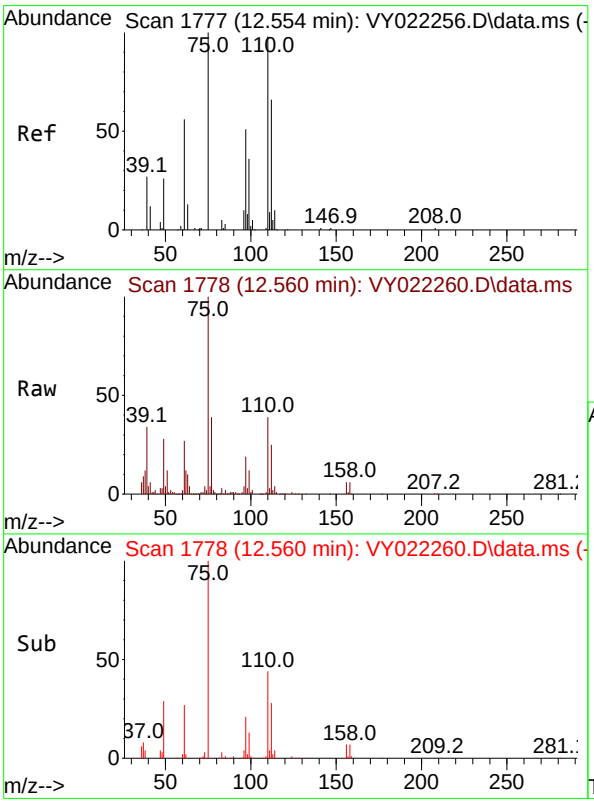
#75
1,1,2,2-Tetrachloroethane
Concen: 53.062 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 83 Resp: 120599

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	61.7	32.0	96.0

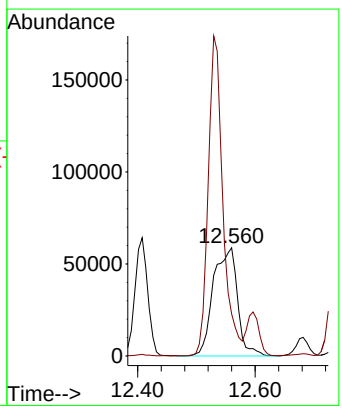


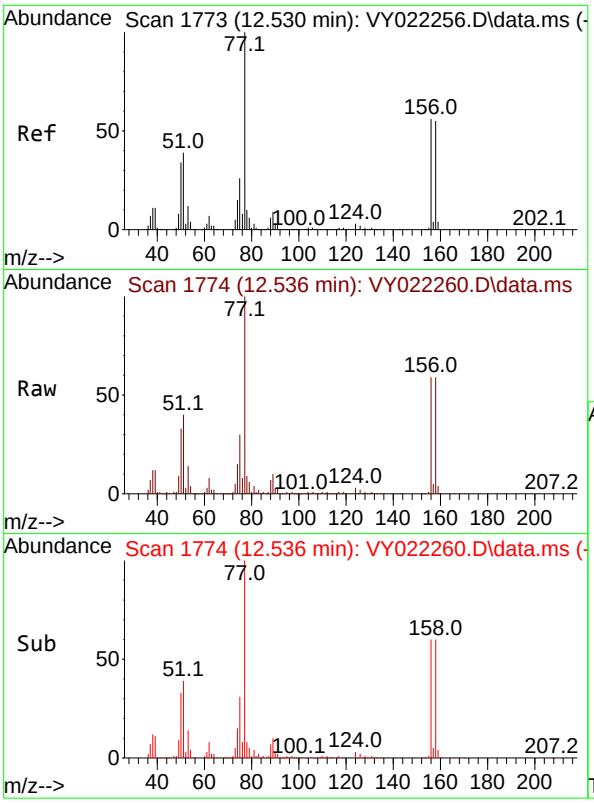


#76
1,2,3-Trichloropropane
Concen: 92.604 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 167358

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



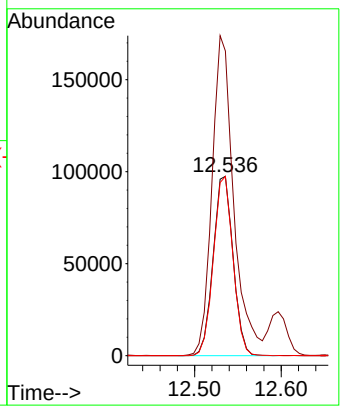


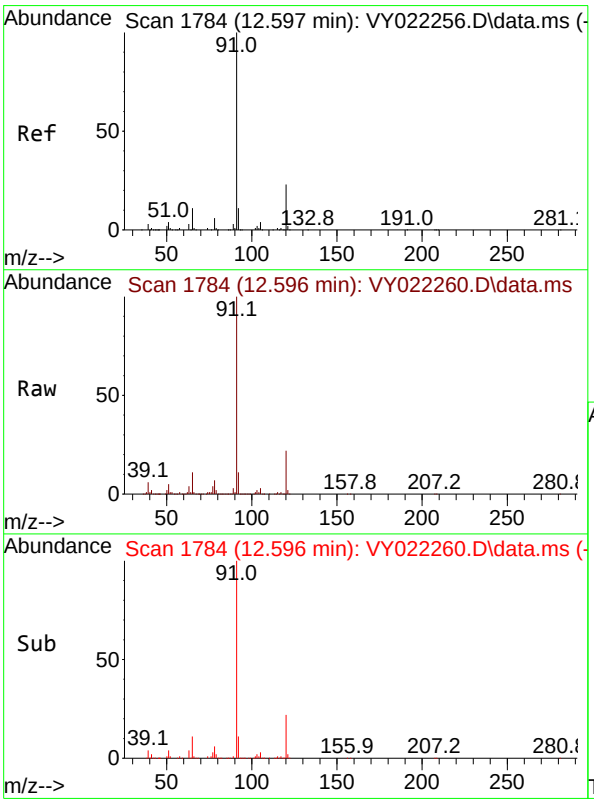
#77
Bromobenzene
Concen: 49.374 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:156 Resp: 155843

Ion	Ratio	Lower	Upper
156	100		
77	194.2	94.5	283.6
158	98.0	48.4	145.3

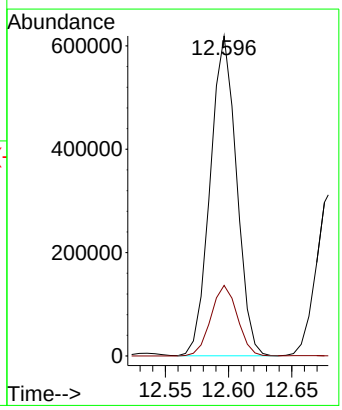


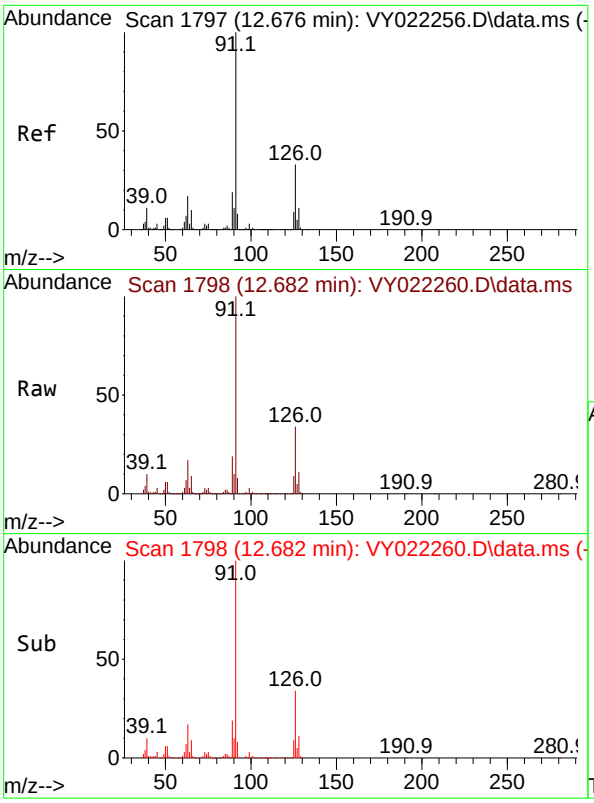


#78
n-propylbenzene
Concen: 50.296 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 896555

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



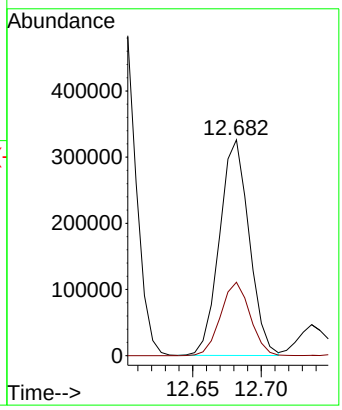


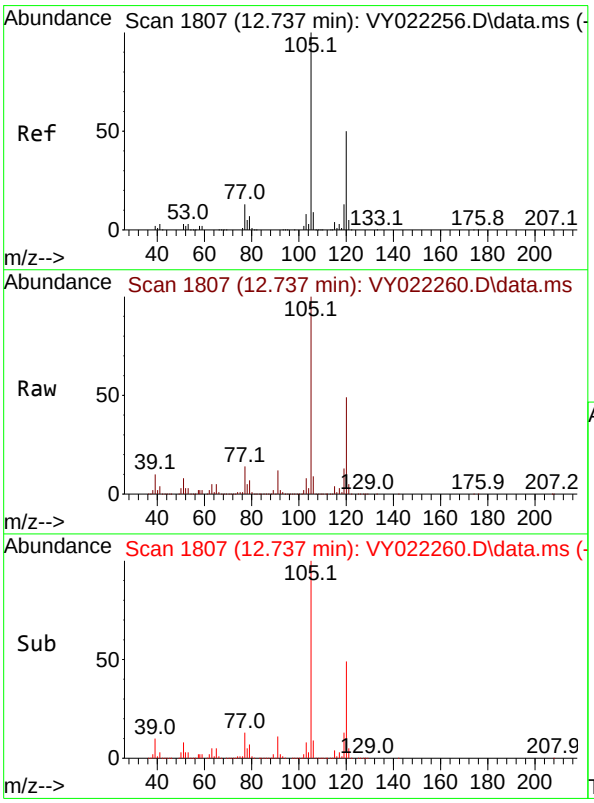
#79
2-Chlorotoluene
Concen: 50.130 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 91 Resp: 491073

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.8	50.4

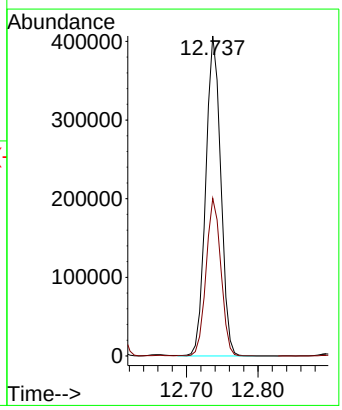


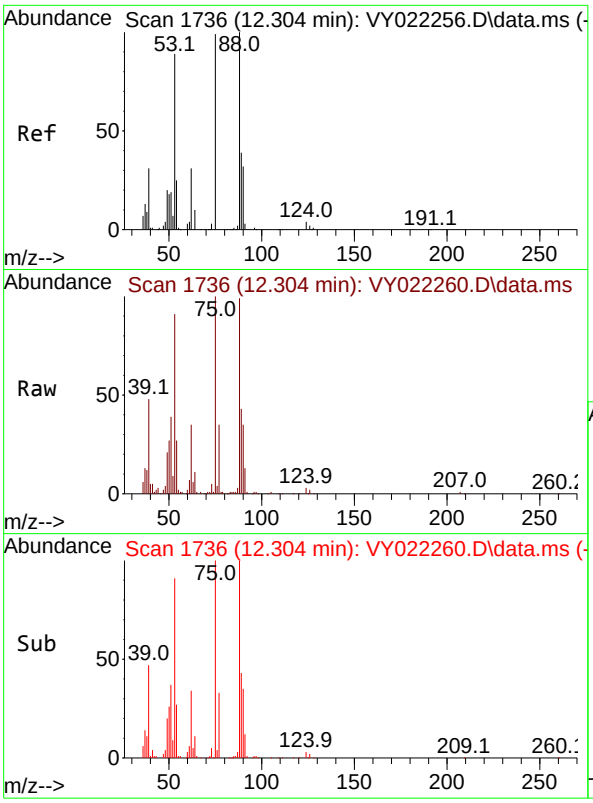


#80
1,3,5-Trimethylbenzene
Concen: 49.632 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 592100

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6



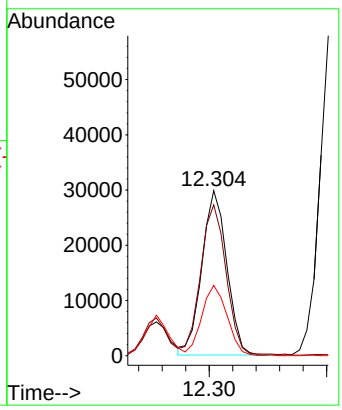


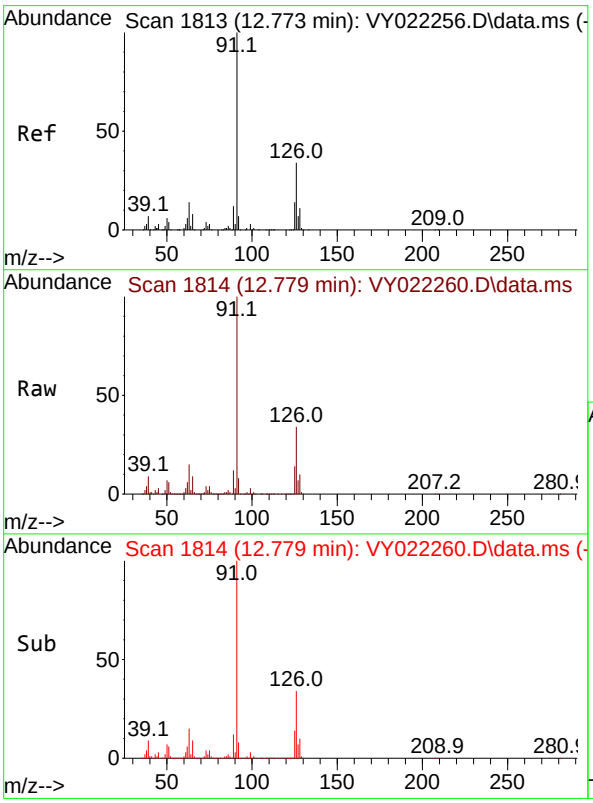
#81
trans-1,4-Dichloro-2-butene
Concen: 49.231 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 75 Resp: 43921

Ion	Ratio	Lower	Upper
75	100		
53	94.1	75.8	113.8
89	43.4	36.2	54.2

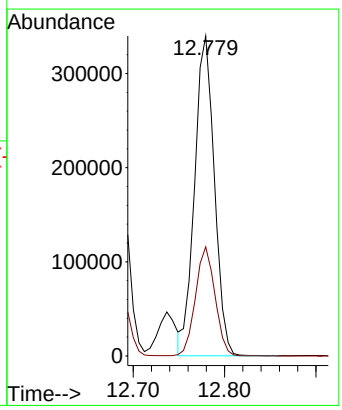


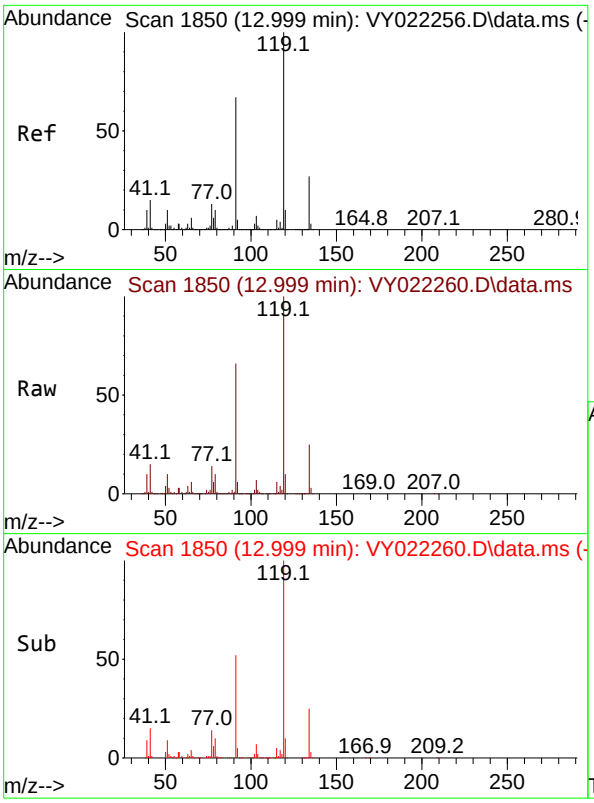


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 510451

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4



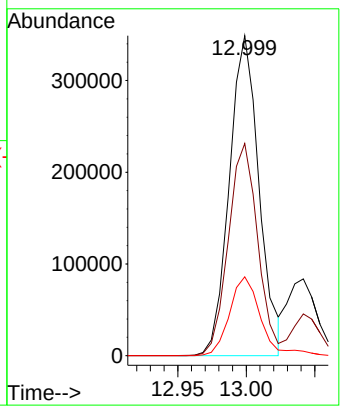


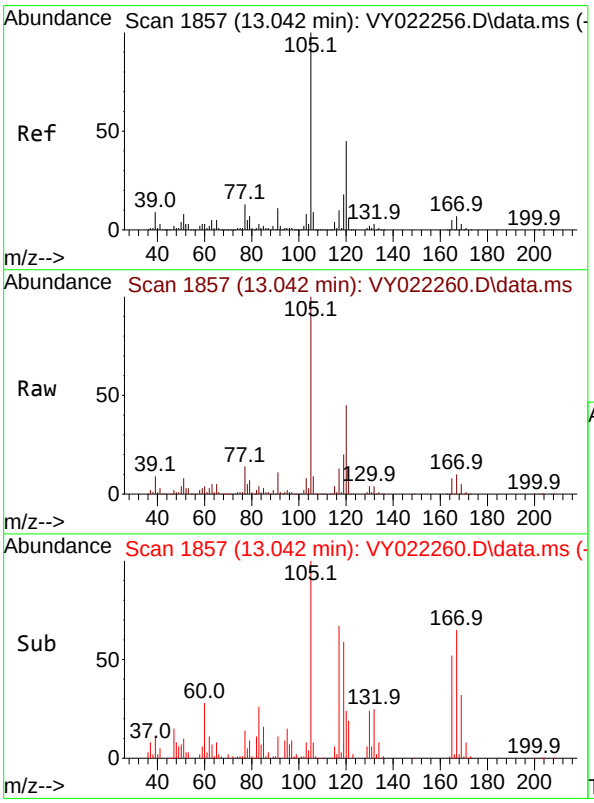
#83
tert-Butylbenzene
Concen: 49.715 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:119 Resp: 527140

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.8	98.3
134	25.8	12.9	38.6

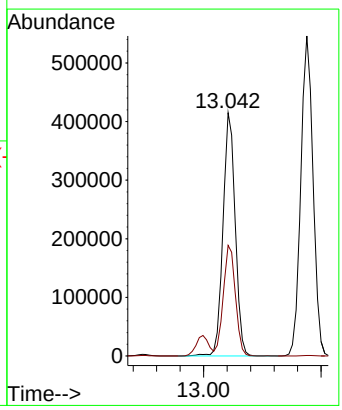


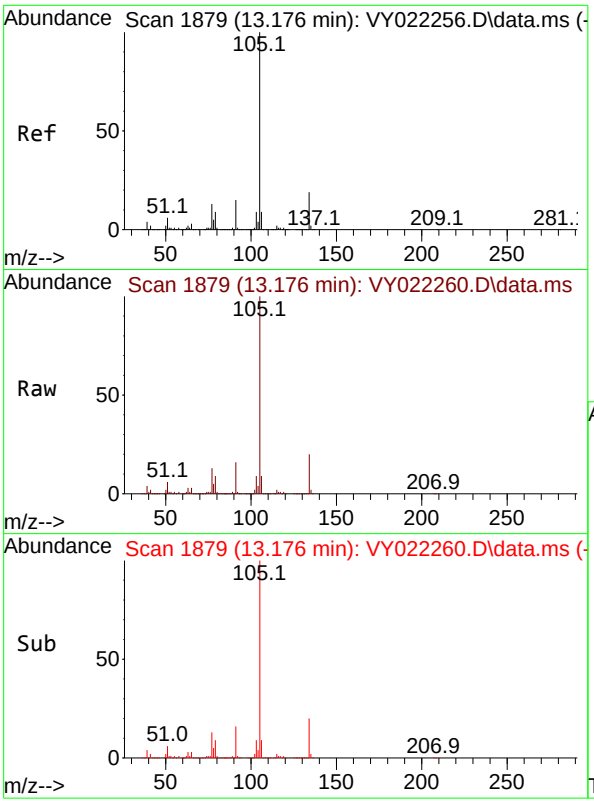


#84
1,2,4-Trimethylbenzene
Concen: 50.535 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 598450

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9



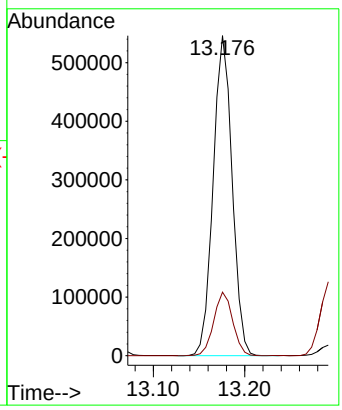


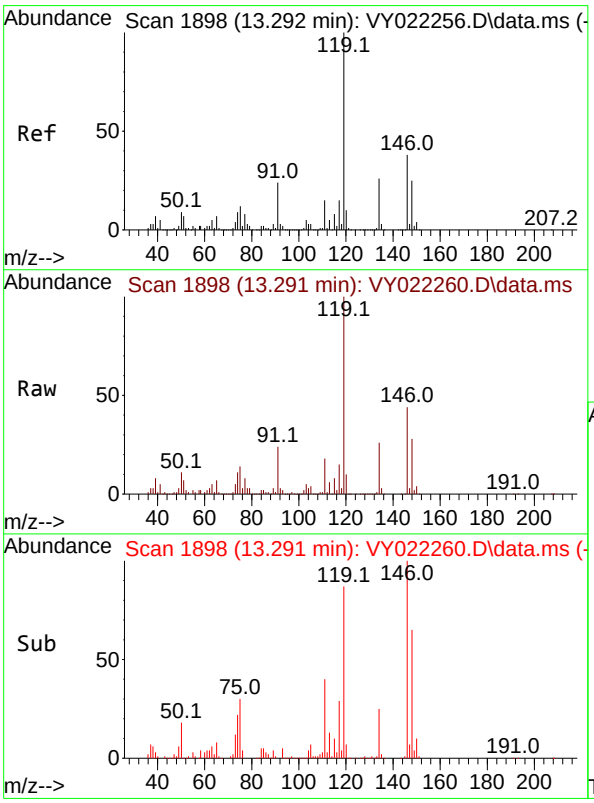
#85
sec-Butylbenzene
Concen: 50.000 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:105 Resp: 787000

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

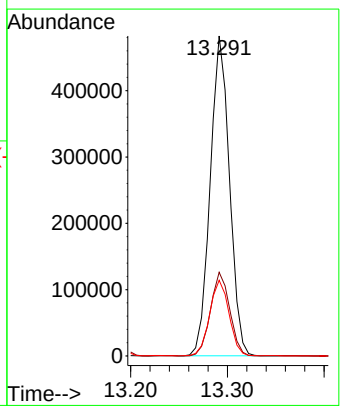


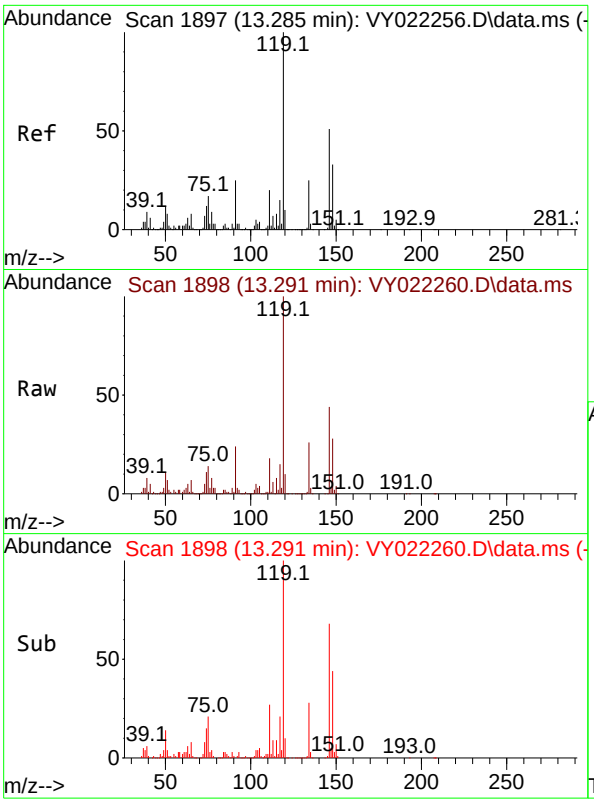


#86
p-Isopropyltoluene
Concen: 50.219 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:119 Resp: 664795

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	23.8	12.1	36.3



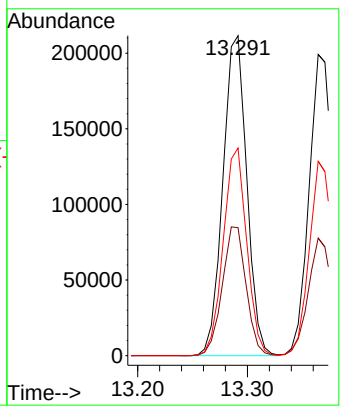


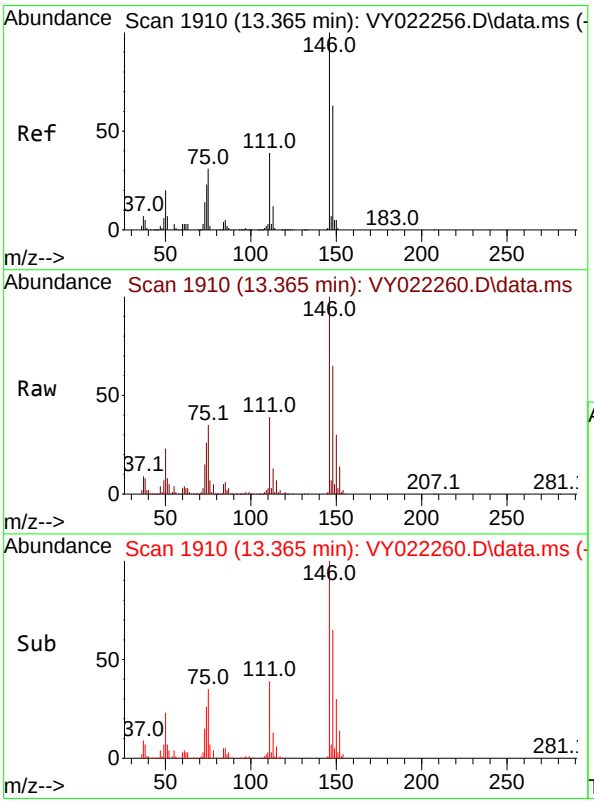
#87
1,3-Dichlorobenzene
Concen: 49.718 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:146 Resp: 320357

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.8	31.9	95.7

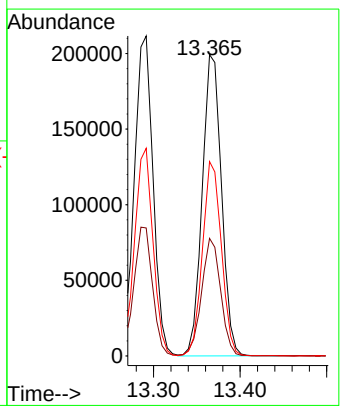


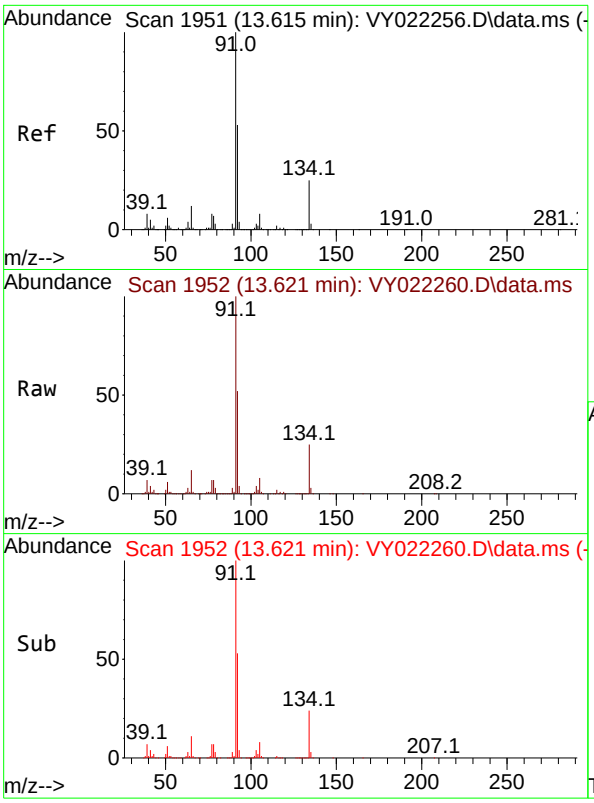


#88
1,4-Dichlorobenzene
Concen: 49.669 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:146 Resp: 307847

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.3	32.1	96.5



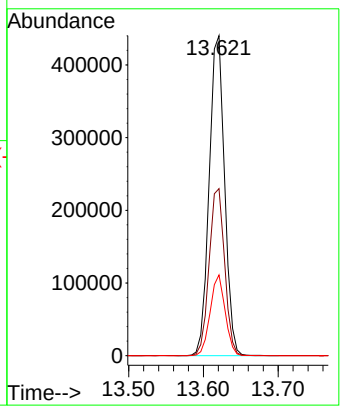


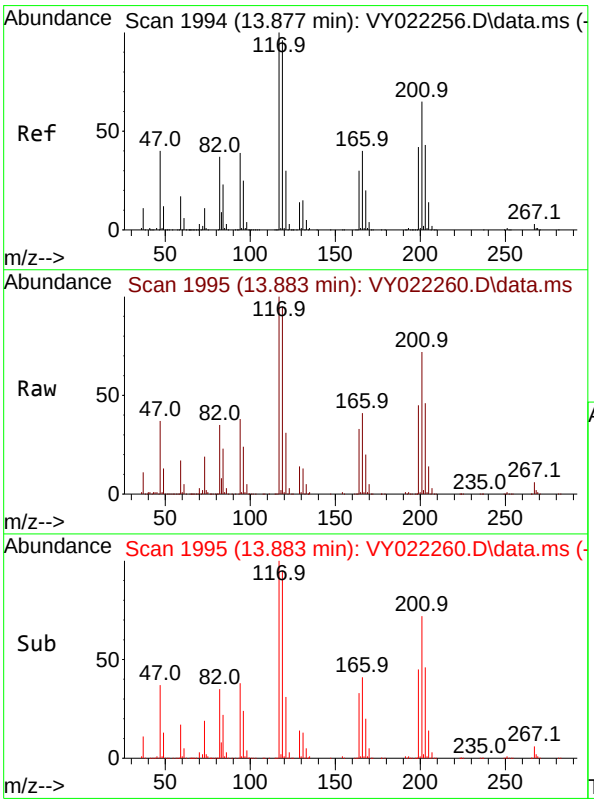
#89
n-Butylbenzene
Concen: 50.402 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion: 91 Resp: 631222

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	24.6	12.4	37.4

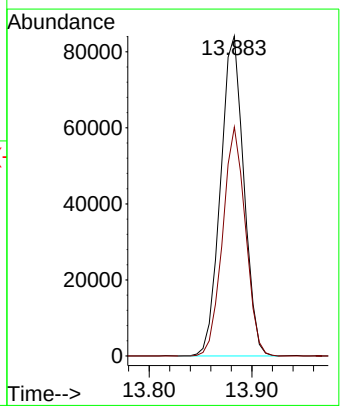


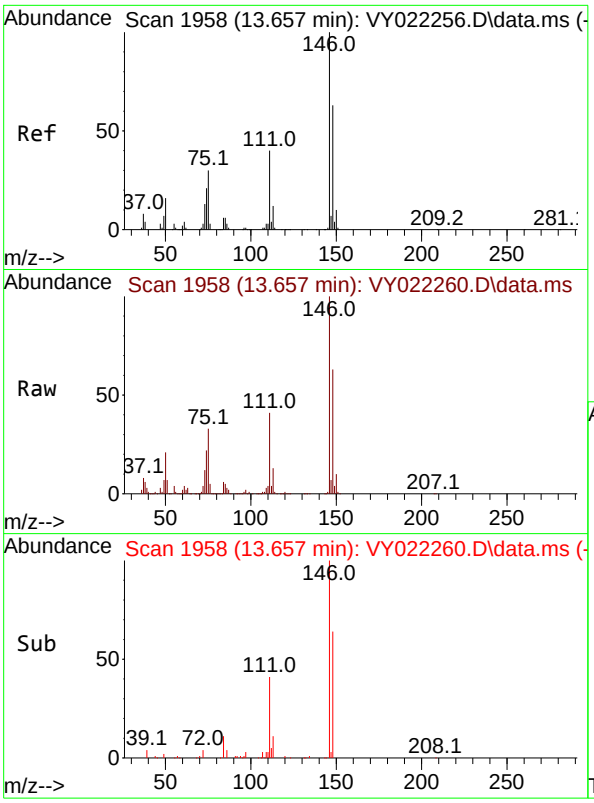


#90
Hexachloroethane
Concen: 49.502 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 132281

Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.2	105.6



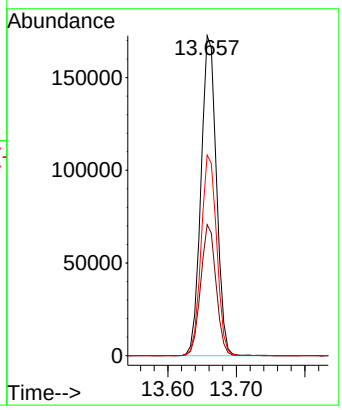


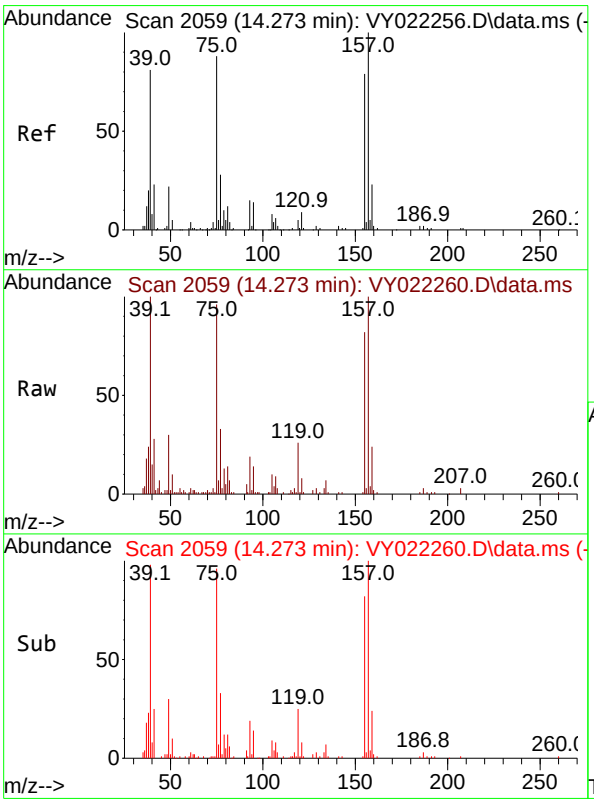
#91
1,2-Dichlorobenzene
Concen: 49.954 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:146 Resp: 270373

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.3	32.0	96.0

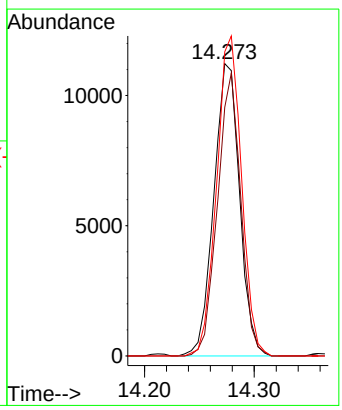


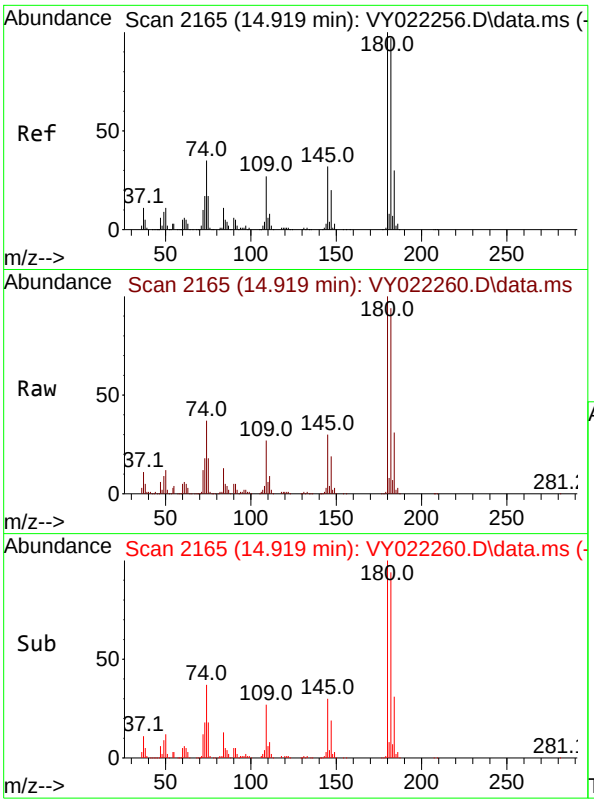


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.028 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 18335

Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.4	130.1
157	105.9	54.6	163.9



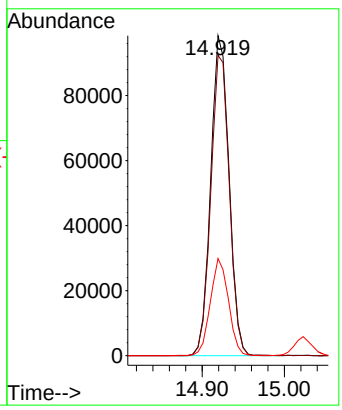


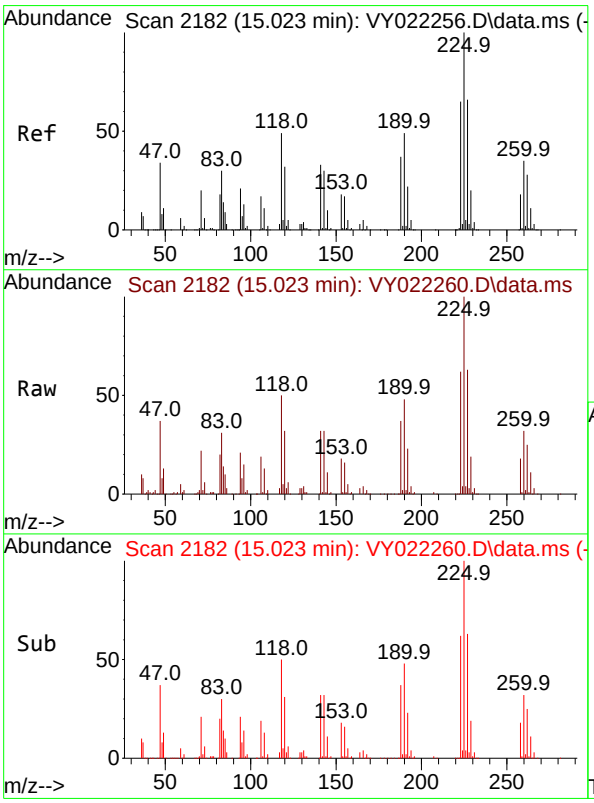
#93
1,2,4-Trichlorobenzene
Concen: 48.794 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:180 Resp: 152548

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.0
145	30.1	15.0	45.1

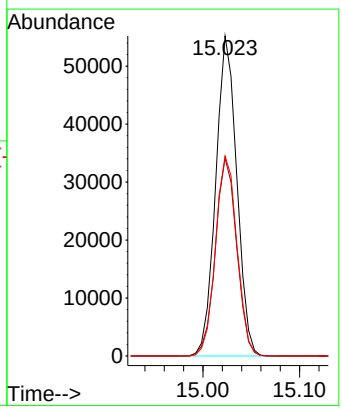


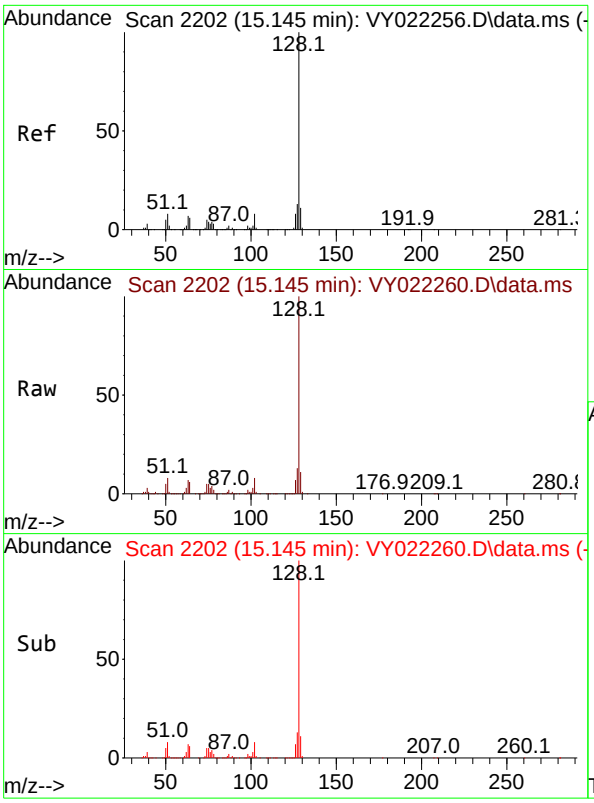


#94
Hexachlorobutadiene
Concen: 47.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:225 Resp: 83287

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.6	32.1	96.3



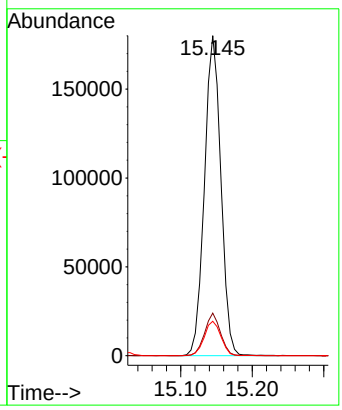


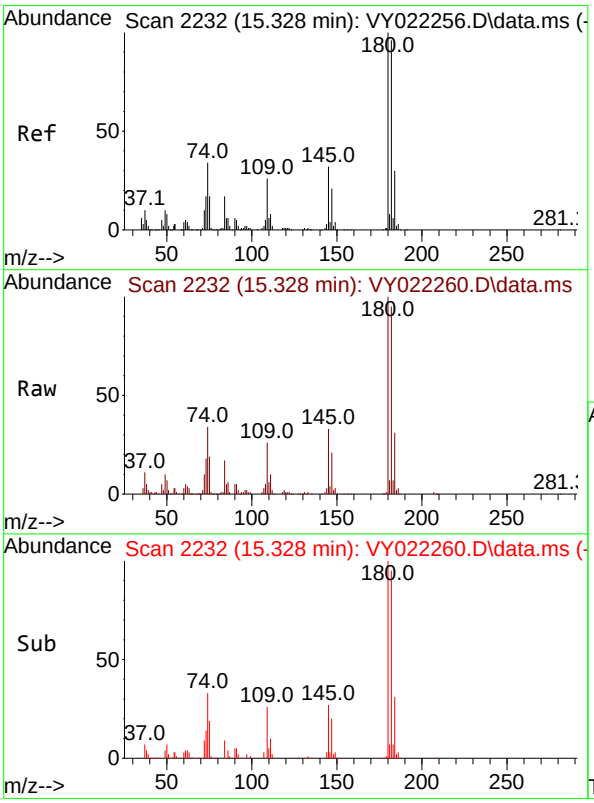
#95
Naphthalene
Concen: 48.421 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Tgt Ion:128 Resp: 287276

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

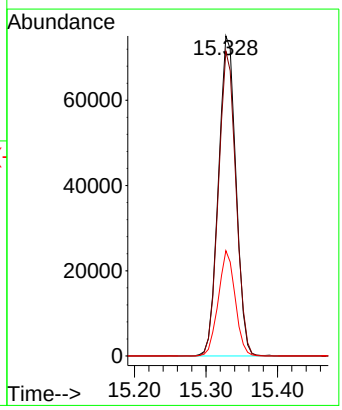




#96
1,2,3-Trichlorobenzene
Concen: 48.060 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:180 Resp: 127466

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	31.6	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	240556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134549	51.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.634	113	123849	51.140	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.280%			
50) Toluene-d8	10.103	98	508643	51.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.408	95	157889	50.222	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	55866	22.256	ug/l	96
3) Chloromethane	2.062	50	128835	24.400	ug/l	99
4) Vinyl Chloride	2.202	62	138947	23.553	ug/l	97
5) Bromomethane	2.592	94	119304	24.843	ug/l	100
6) Chloroethane	2.732	64	83509	22.754	ug/l	98
7) Trichlorofluoromethane	3.050	101	136929	22.926	ug/l	97
8) Diethyl Ether	3.452	74	29041	20.261	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	54846	21.152	ug/l	99
10) Methyl Iodide	4.001	142	55406	18.462	ug/l	98
11) Tert butyl alcohol	4.872	59	20159	100.411	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	54958	21.358	ug/l	99
13) Acrolein	3.653	56	29036	98.931	ug/l	96
14) Allyl chloride	4.379	41	93389	20.699	ug/l	97
15) Acrylonitrile	5.055	53	60103	101.763	ug/l	99
16) Acetone	3.873	43	49514	100.441	ug/l	99
17) Carbon Disulfide	4.104	76	179245	21.362	ug/l	99
18) Methyl Acetate	4.385	43	29743	19.136	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	144494	20.366	ug/l	99
20) Methylene Chloride	4.616	84	67724	21.261	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	58315	20.532	ug/l	96
22) Diisopropyl ether	6.018	45	196421	20.615	ug/l	100
23) Vinyl Acetate	5.958	43	578998	100.588	ug/l	99
24) 1,1-Dichloroethane	5.915	63	110449	20.749	ug/l	97
25) 2-Butanone	6.896	43	81164	98.430	ug/l	97
26) 2,2-Dichloropropane	6.884	77	98935	20.897	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	68417	20.875	ug/l	99
28) Bromochloromethane	7.244	49	47380	20.868	ug/l	100
29) Tetrahydrofuran	7.262	42	54316	102.386	ug/l	99
30) Chloroform	7.421	83	108086	21.169	ug/l	95
31) Cyclohexane	7.701	56	111819	21.025	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	98630	21.056	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81482	20.427	ug/l	99
37) Ethyl Acetate	6.988	43	38460	20.039	ug/l	98
38) Carbon Tetrachloride	7.817	117	84041	20.354	ug/l	95
39) Methylcyclohexane	9.109	83	112902	21.067	ug/l	99
40) Benzene	8.079	78	245775	20.784	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	19185	15.069	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	65234	20.399	ug/l		100
43) Isopropyl Acetate	8.195	43	82723	19.763	ug/l	#	88
44) Trichloroethene	8.866	130	60548	20.593	ug/l		100
45) 1,2-Dichloropropane	9.140	63	58205	20.416	ug/l		96
46) Dibromomethane	9.231	93	31296	20.353	ug/l		99
47) Bromodichloromethane	9.420	83	83066	20.823	ug/l		99
48) Methyl methacrylate	9.219	41	38763	19.803	ug/l		98
49) 1,4-Dioxane	9.231	88	6813	392.199	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	201472	98.097	ug/l		99
52) Toluene	10.170	92	150777	20.135	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	77444	19.893	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	91983	20.623	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	39755	20.190	ug/l		98
56) Ethyl methacrylate	10.438	69	60445	19.707	ug/l		99
57) 1,3-Dichloropropane	10.713	76	70964	20.284	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	124088	90.134	ug/l		100
59) 2-Hexanone	10.762	43	132798	96.437	ug/l		98
60) Dibromochloromethane	10.908	129	52808	20.662	ug/l		98
61) 1,2-Dibromoethane	11.012	107	36868	20.089	ug/l		100
64) Tetrachloroethene	10.646	164	63391	19.886	ug/l		98
65) Chlorobenzene	11.438	112	157927	20.297	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	52751	19.721	ug/l		99
67) Ethyl Benzene	11.518	91	292819	20.095	ug/l		98
68) m/p-Xylenes	11.627	106	218261	39.750	ug/l		99
69) o-Xylene	11.950	106	103620	19.946	ug/l		99
70) Styrene	11.969	104	173798	19.833	ug/l		99
71) Bromoform	12.127	173	28611	19.817	ug/l	#	99
73) Isopropylbenzene	12.255	105	272938	20.157	ug/l		100
74) N-amyl acetate	12.066	43	75451	19.483	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	41948	20.143	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	61352	37.051	ug/l	#	100
77) Bromobenzene	12.530	156	56683	19.600	ug/l		96
78) n-propylbenzene	12.590	91	336430	20.598	ug/l		99
79) 2-Chlorotoluene	12.676	91	177870	19.817	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	217065	19.858	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	15228	18.629	ug/l		99
82) 4-Chlorotoluene	12.779	91	184041	19.935	ug/l		100
83) tert-Butylbenzene	12.993	119	197455	20.324	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	216888	19.988	ug/l		99
85) sec-Butylbenzene	13.176	105	292767	20.300	ug/l		99
86) p-Isopropyltoluene	13.292	119	241434	19.905	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	115782	19.611	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	113146	19.924	ug/l		100
89) n-Butylbenzene	13.615	91	233741	20.370	ug/l		99
90) Hexachloroethane	13.877	117	49361	20.160	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97586	19.678	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6960	20.726	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	56627	19.768	ug/l		99
94) Hexachlorobutadiene	15.023	225	32198	20.155	ug/l		97
95) Naphthalene	15.145	128	102697	18.892	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	47086	19.376	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

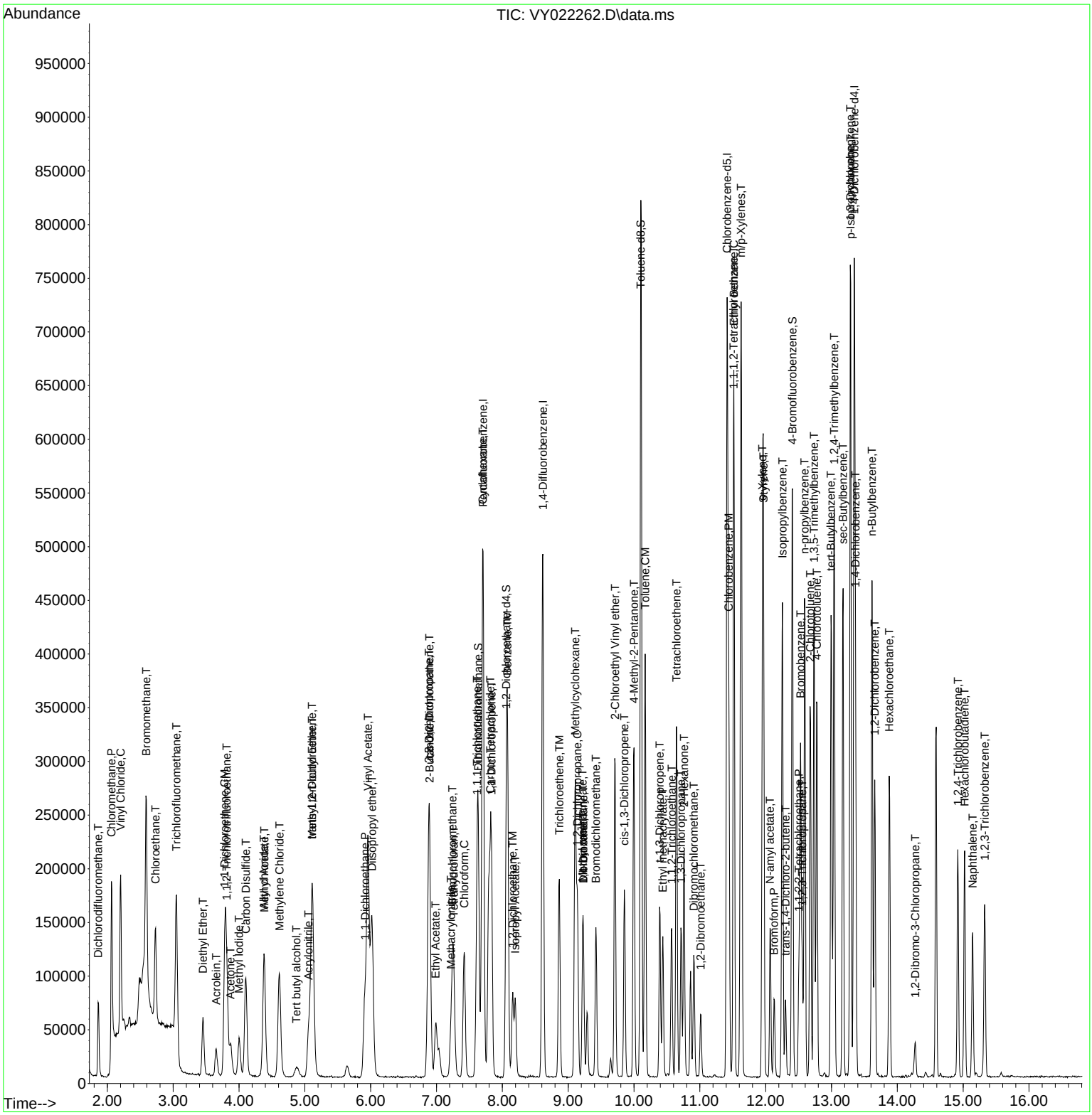
(#) = qualifier out of range (m) = manual integration (+) = signals summed

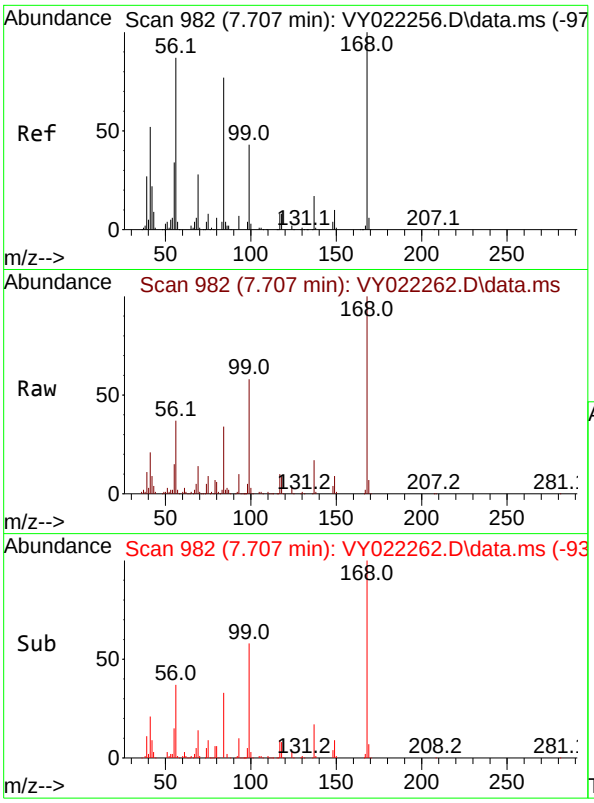
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022262.D
Acq On : 15 May 2025 14:07
Operator : SY/MD
Sample : VY0515SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Quant Time: May 16 01:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



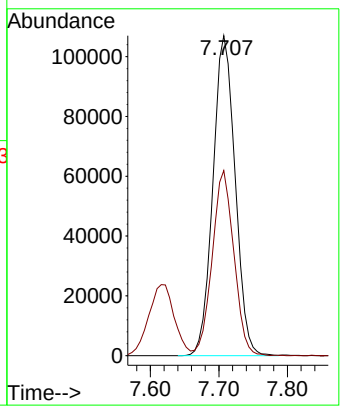


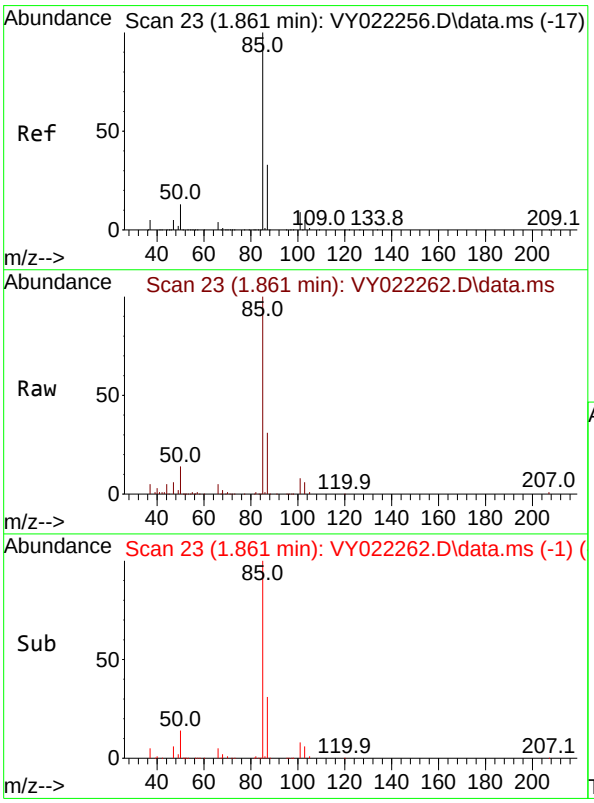
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:168 Resp: 240556

Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.2	66.4

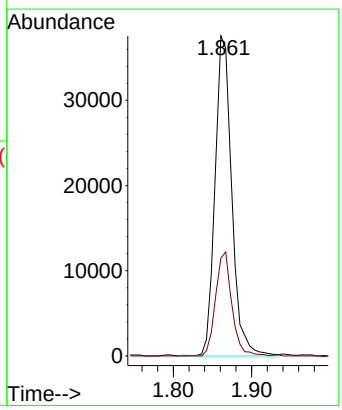


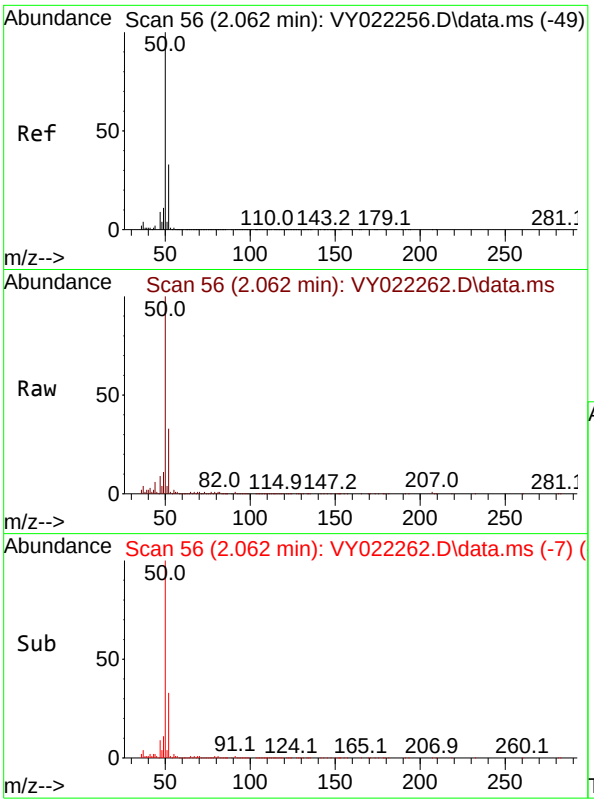


#2
Dichlorodifluoromethane
Concen: 22.256 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 85 Resp: 55866

Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.5	49.5



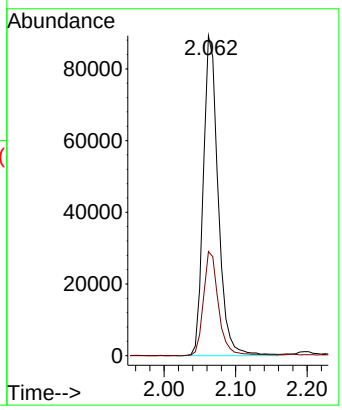


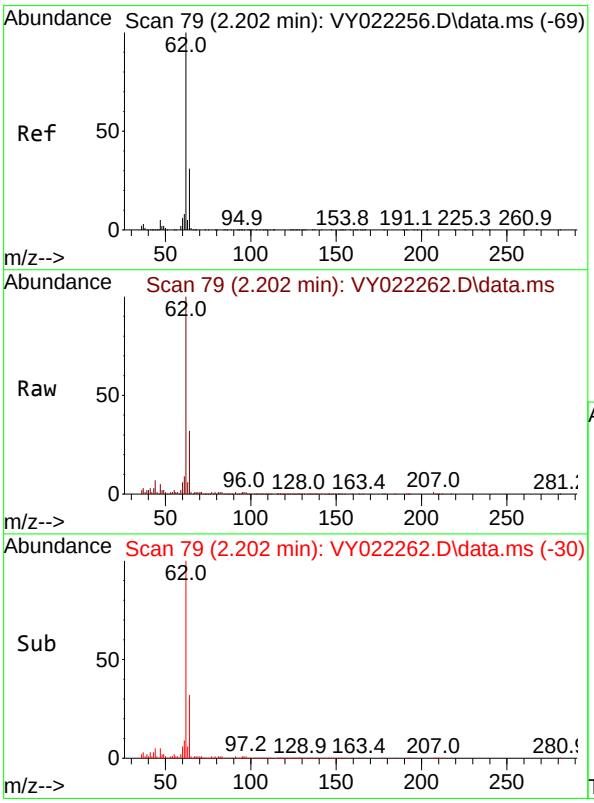
#3
Chloromethane
Concen: 24.400 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 50 Resp: 128835

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.5	39.7

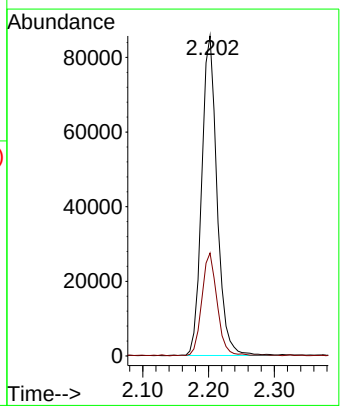


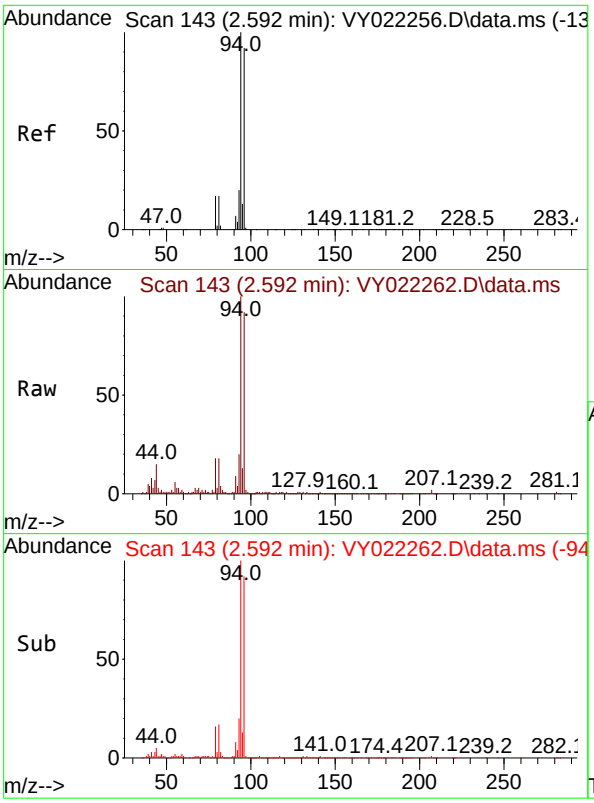


#4
Vinyl Chloride
Concen: 23.553 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 62 Resp: 138947

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.5	36.7



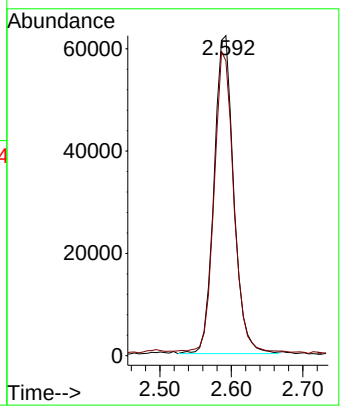


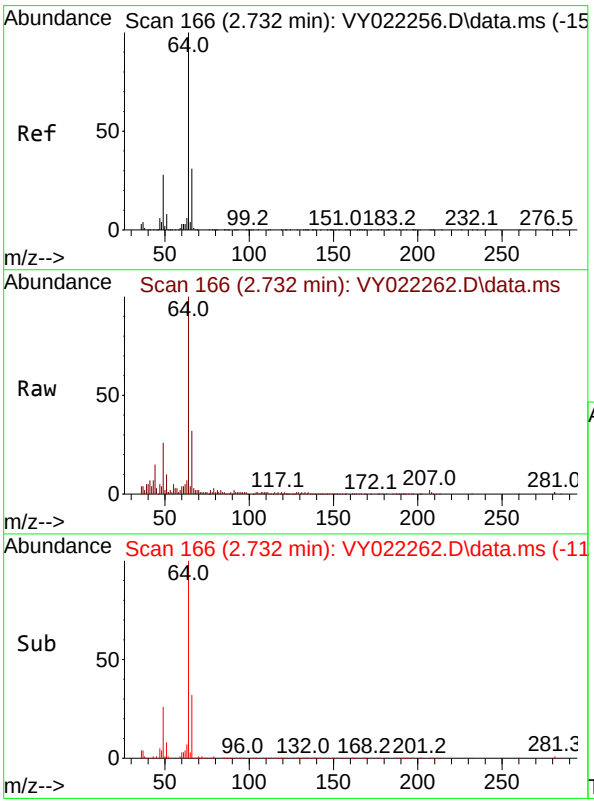
#5
Bromomethane
Concen: 24.843 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 94 Resp: 119304

Ion	Ratio	Lower	Upper
94	100		
96	91.3	73.4	110.0

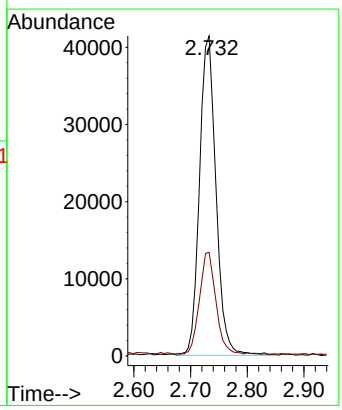


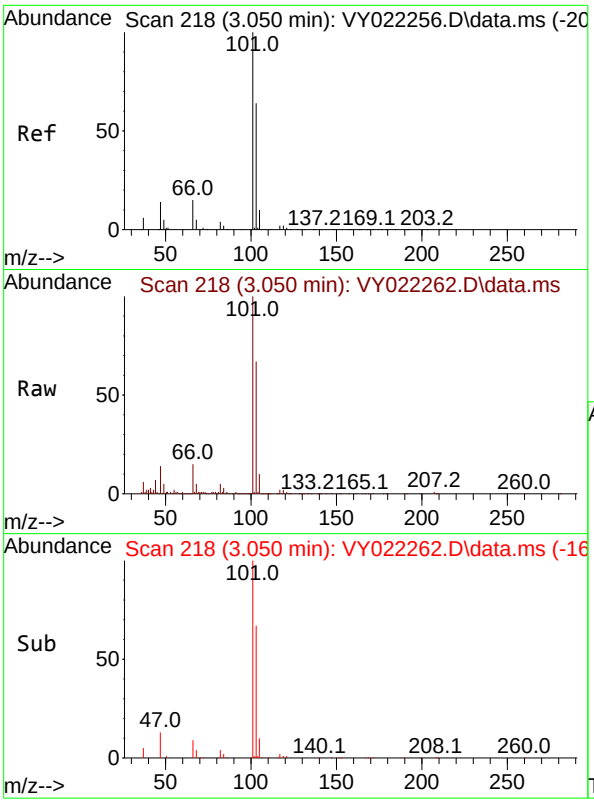


#6
Chloroethane
Concen: 22.754 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 64 Resp: 83509

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.8	37.2



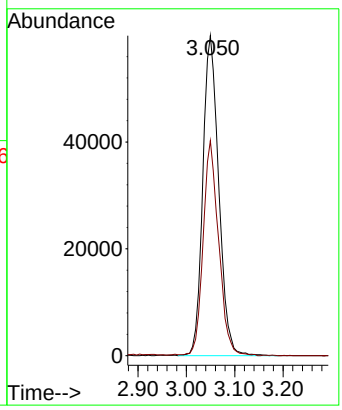


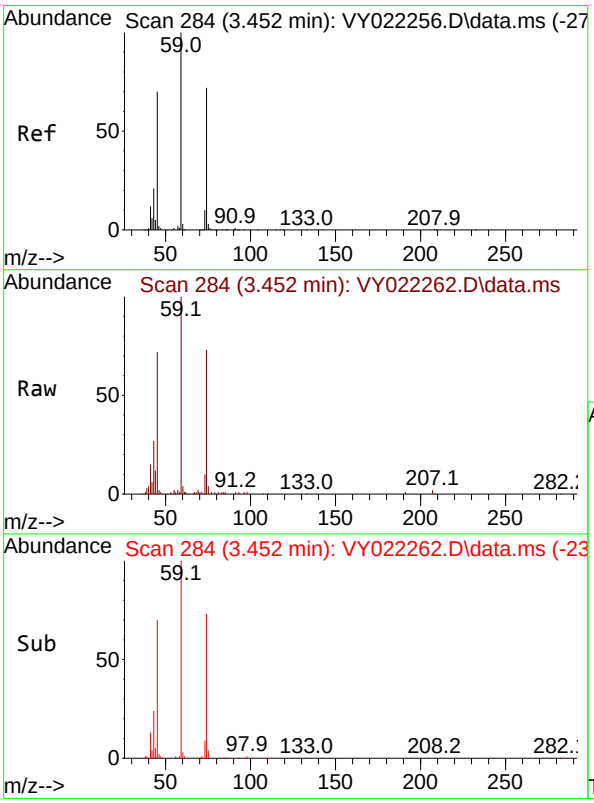
#7
Trichlorofluoromethane
Concen: 22.926 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:101 Resp: 136929

Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.7	77.5

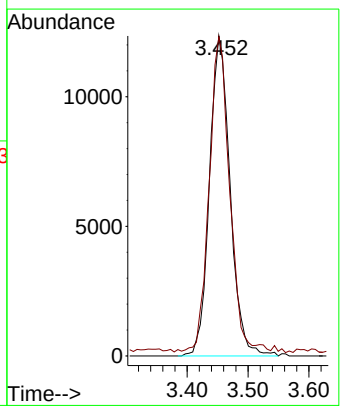


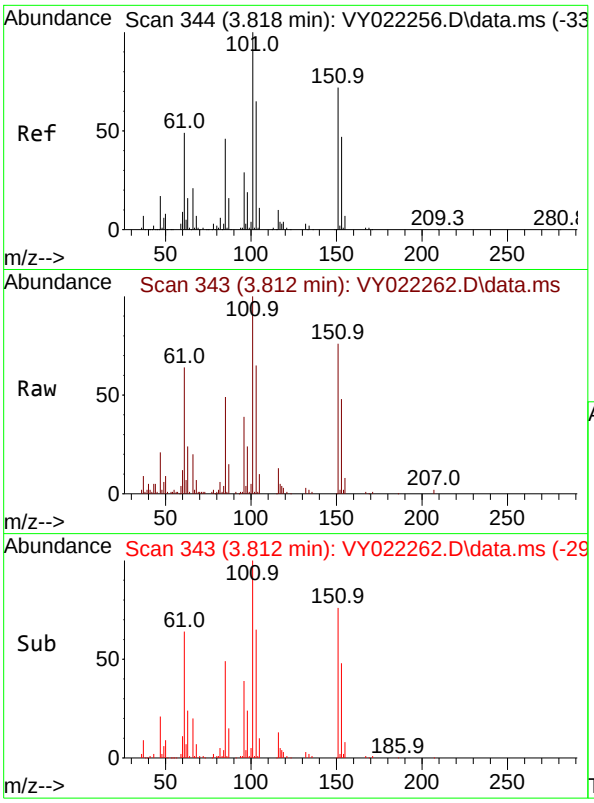


#8
Diethyl Ether
Concen: 20.261 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 74 Resp: 29041

Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8



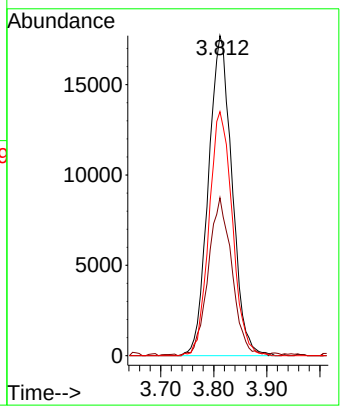


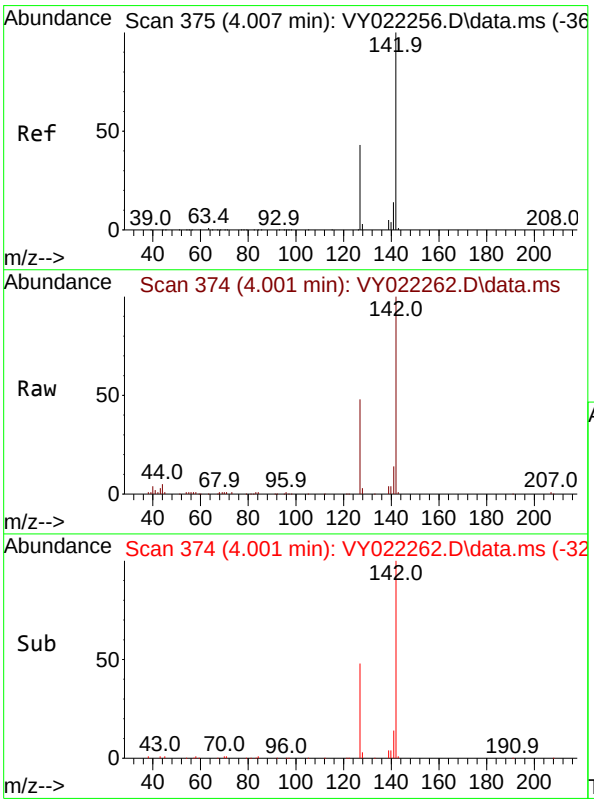
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.152 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:101 Resp: 54846

Ion	Ratio	Lower	Upper
101	100		
85	49.2	38.6	58.0
151	75.4	59.7	89.5

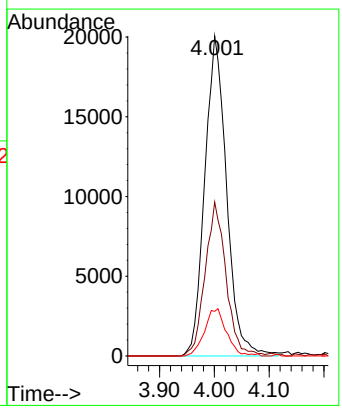


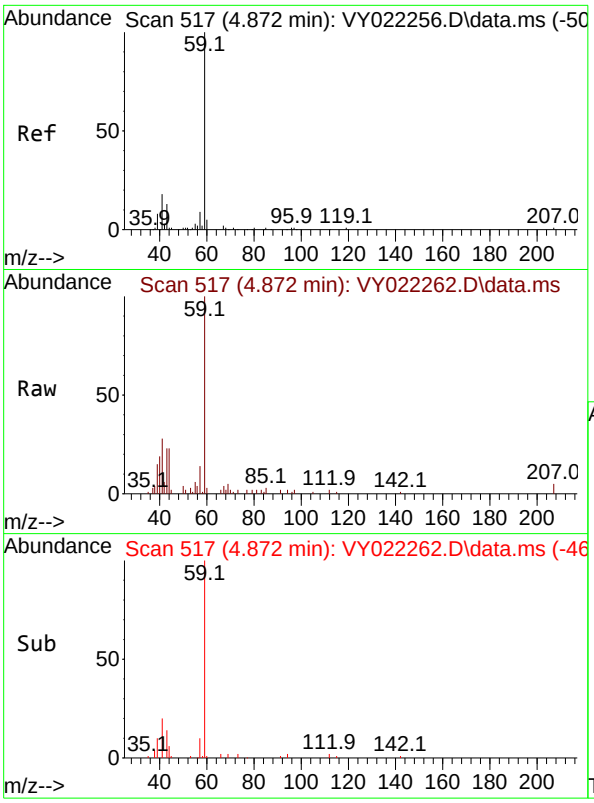


#10
Methyl Iodide
Concen: 18.462 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:142 Resp: 55406

Ion	Ratio	Lower	Upper
142	100		
127	46.0	35.7	53.5
141	14.9	11.1	16.7



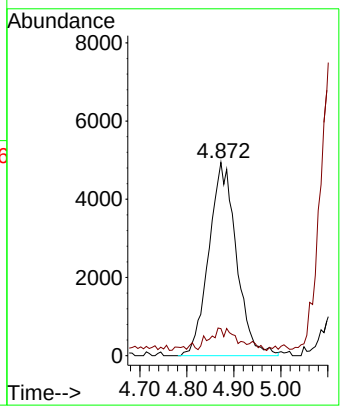


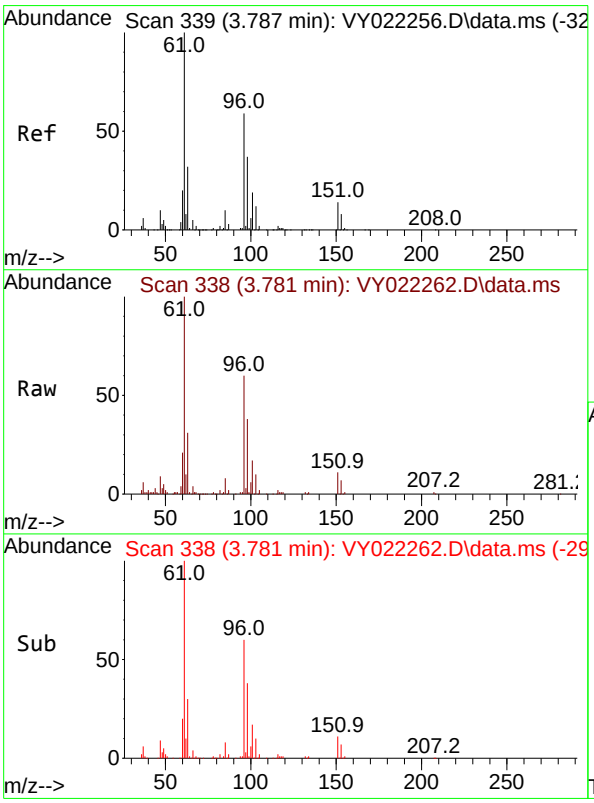
#11
Tert butyl alcohol
Concen: 100.411 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 59 Resp: 20159

Ion	Ratio	Lower	Upper
59	100		
57	5.4	0.0	0.0#

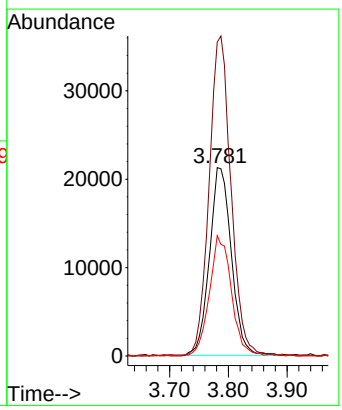


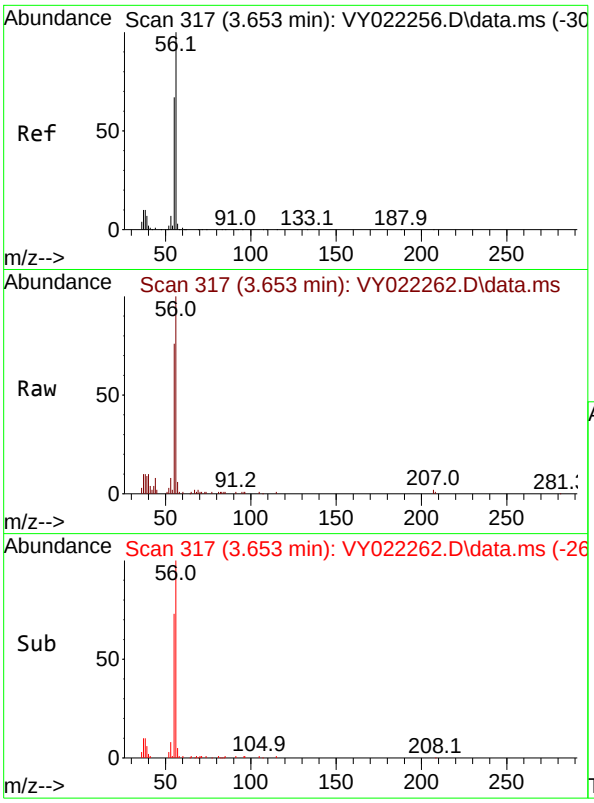


#12
1,1-Dichloroethene
Concen: 21.358 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 96 Resp: 54958

Ion	Ratio	Lower	Upper
96	100		
61	167.2	134.9	202.3
98	63.8	49.9	74.9



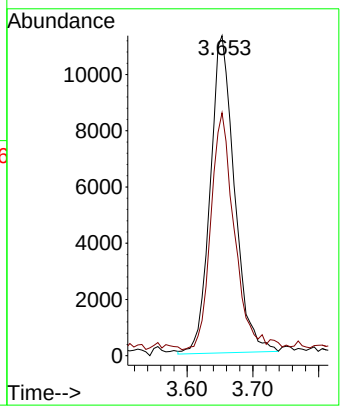


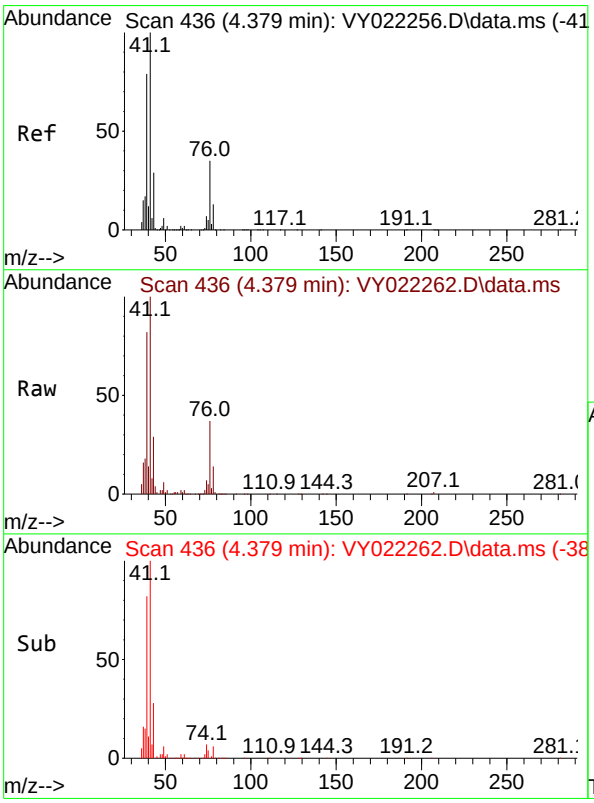
#13
Acrolein
Concen: 98.931 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 56 Resp: 29036

Ion	Ratio	Lower	Upper
56	100		
55	72.9	55.6	83.4

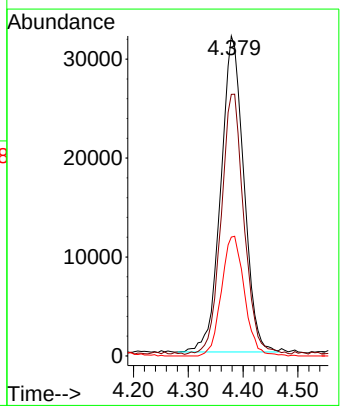


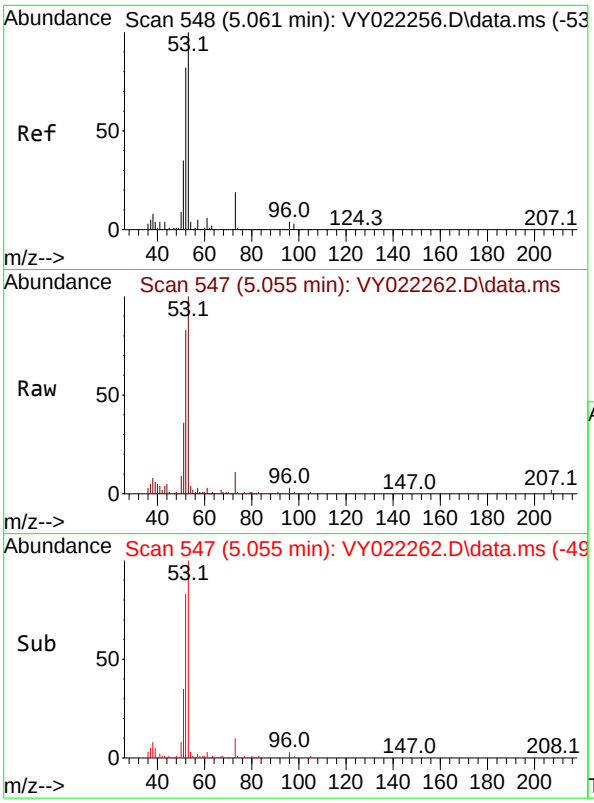


#14
Allyl chloride
Concen: 20.699 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 41 Resp: 93389

Ion	Ratio	Lower	Upper
41	100		
39	82.0	63.4	95.0
76	37.8	29.5	44.3



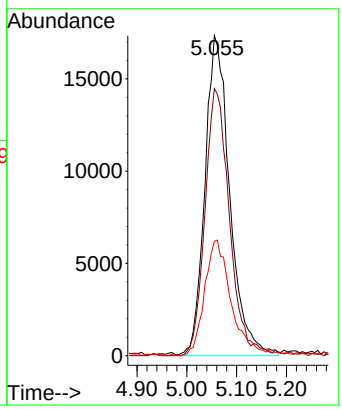


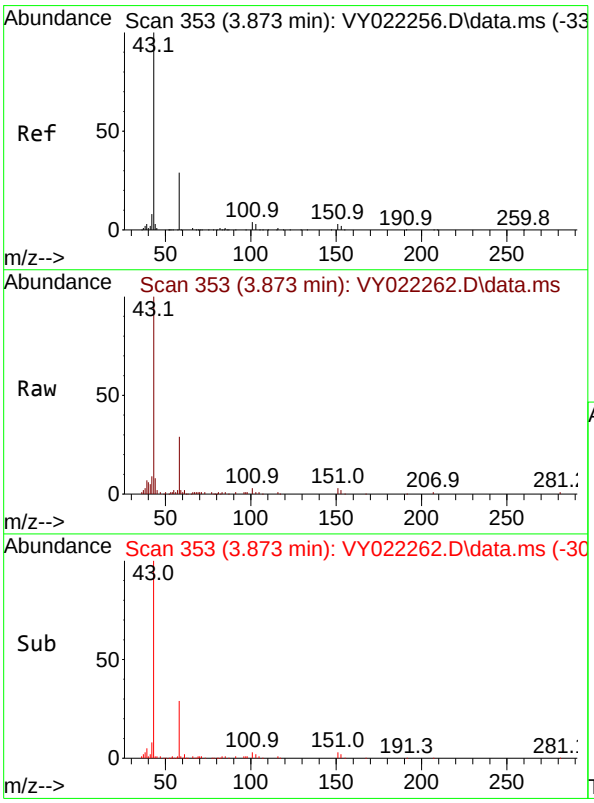
#15
Acrylonitrile
Concen: 101.763 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 53 Resp: 60103

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	38.7	30.0	45.0

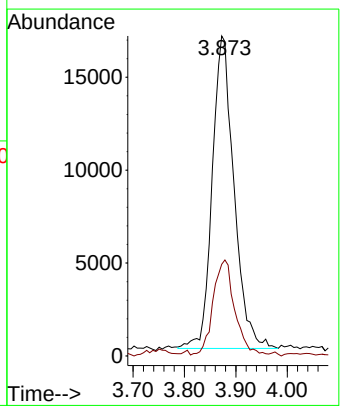


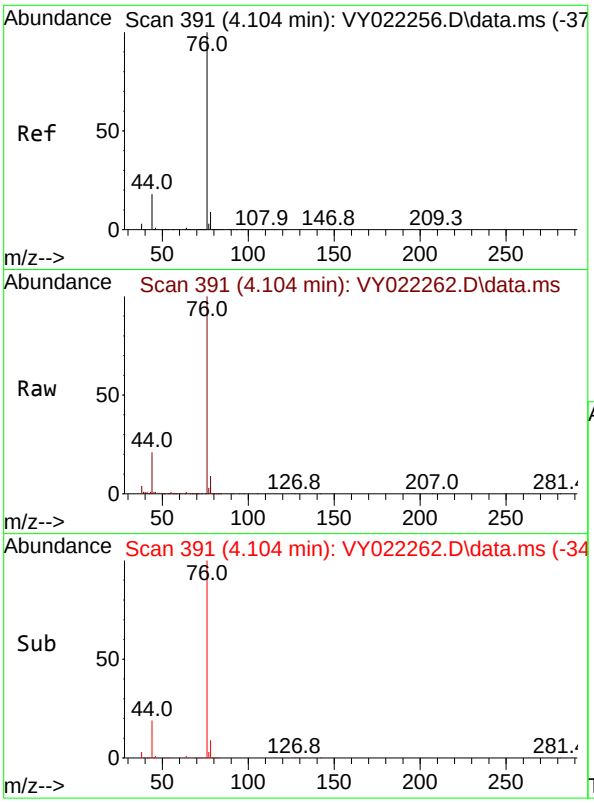


#16
Acetone
Concen: 100.441 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 49514

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.6	35.4



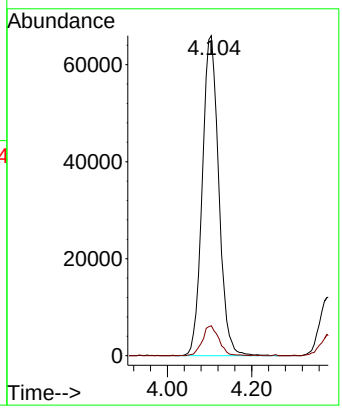


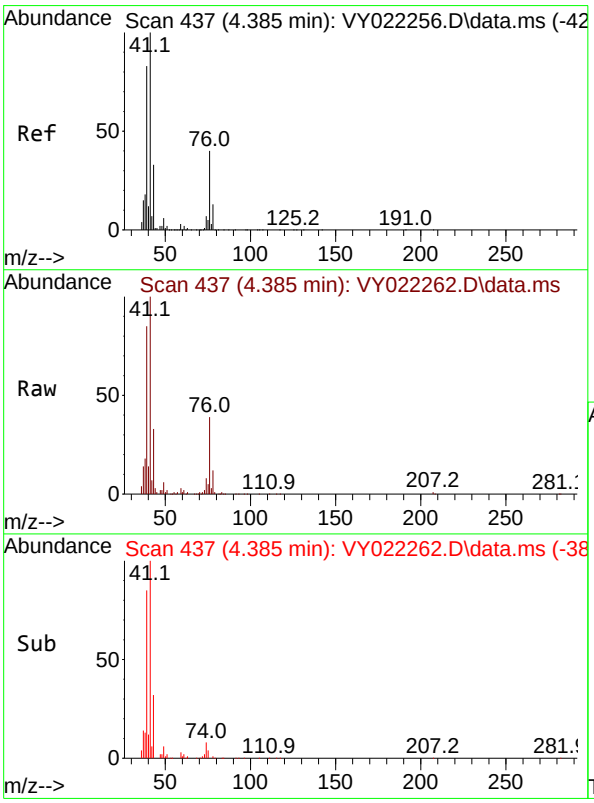
#17
Carbon Disulfide
Concen: 21.362 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 76 Resp: 179245

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

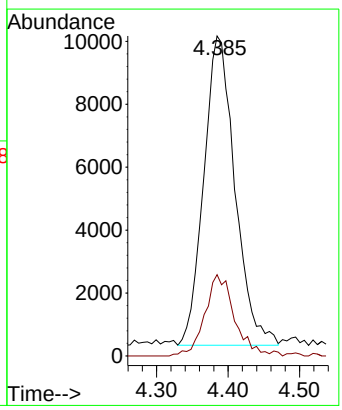


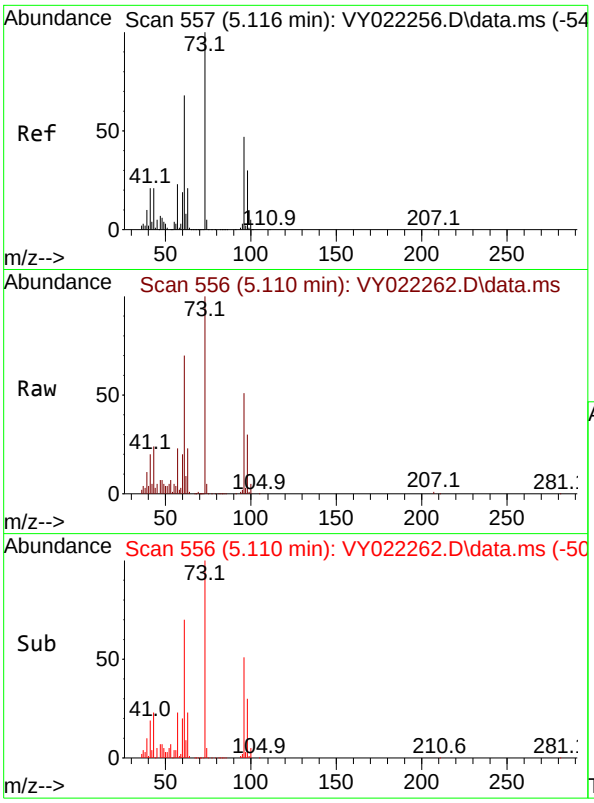


#18
Methyl Acetate
Concen: 19.136 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 29743

Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.2	27.4



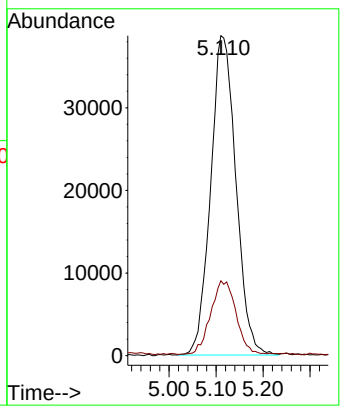


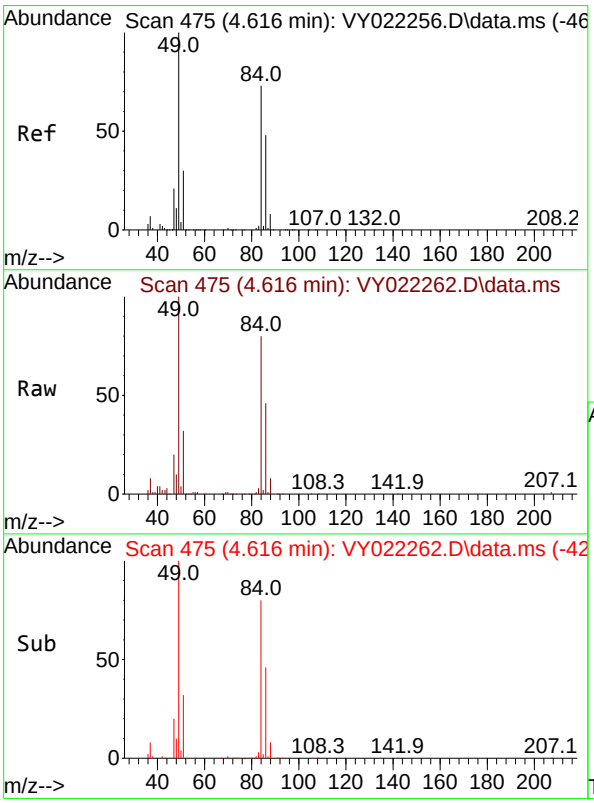
#19
Methyl tert-butyl Ether
Concen: 20.366 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 73 Resp: 144494

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.6	28.0

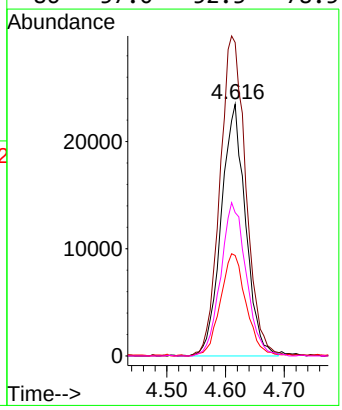


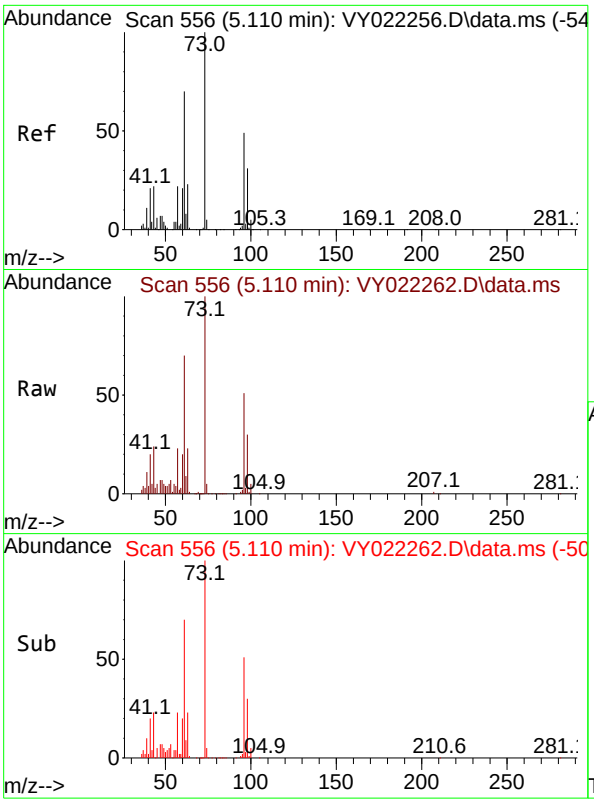


#20
Methylene Chloride
Concen: 21.261 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 84 Resp: 67724

Ion	Ratio	Lower	Upper
84	100		
49	124.5	109.6	164.4
51	39.6	32.4	48.6
86	57.0	52.3	78.5



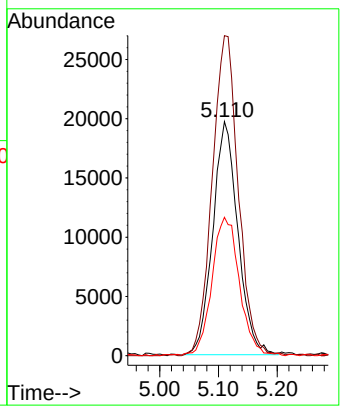


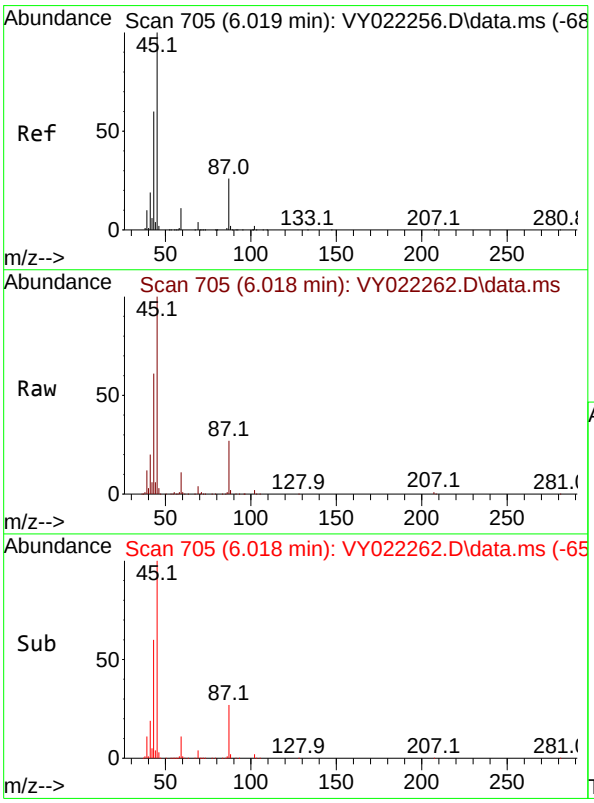
#21
trans-1,2-Dichloroethene
Concen: 20.532 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 96 Resp: 58315

Ion	Ratio	Lower	Upper
96	100		
61	137.3	113.4	170.0
98	58.8	50.9	76.3

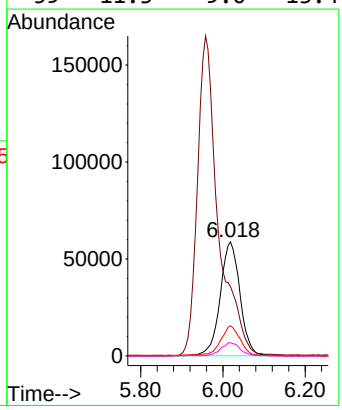


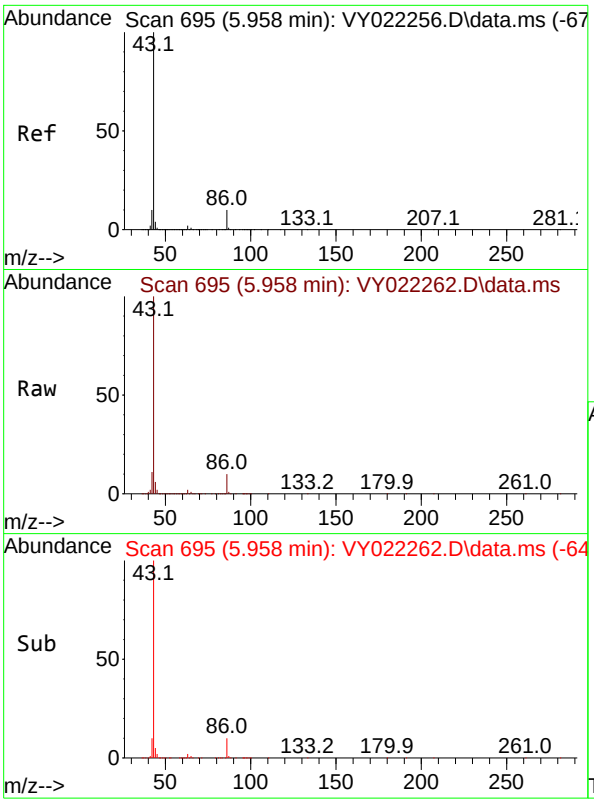


#22
Diisopropyl ether
Concen: 20.615 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 45 Resp: 196421

Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	26.6	21.4	32.0
59	11.3	9.0	13.4



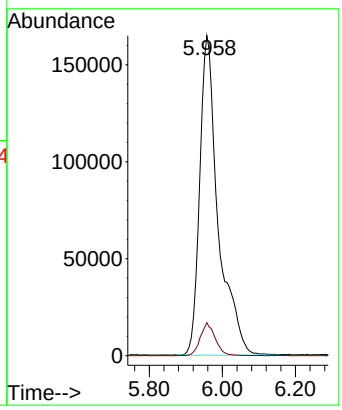


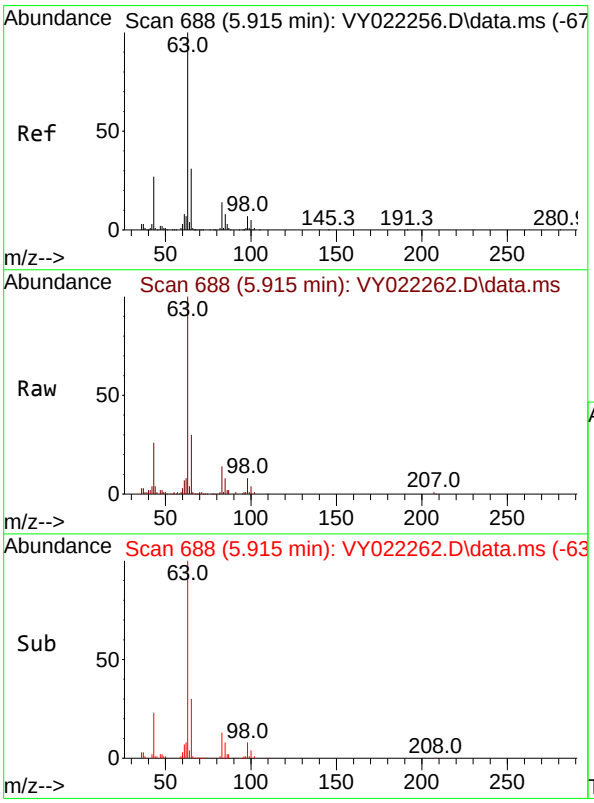
#23
Vinyl Acetate
Concen: 100.588 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 43 Resp: 578998

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

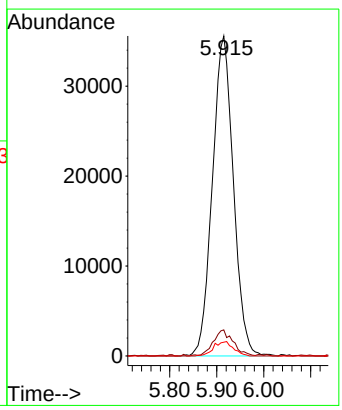


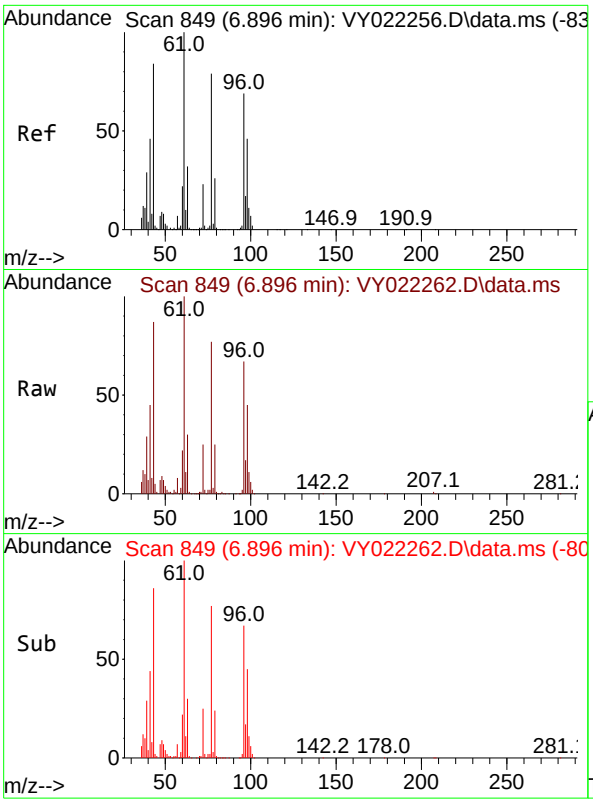


#24
1,1-Dichloroethane
Concen: 20.749 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 63 Resp: 110449

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.5	10.5
100	4.3	2.4	7.2



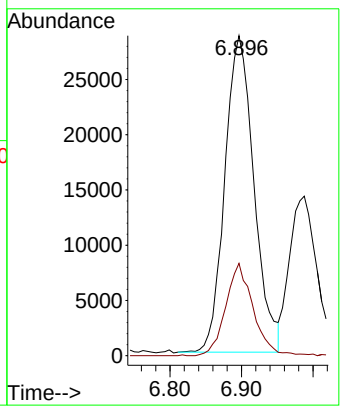


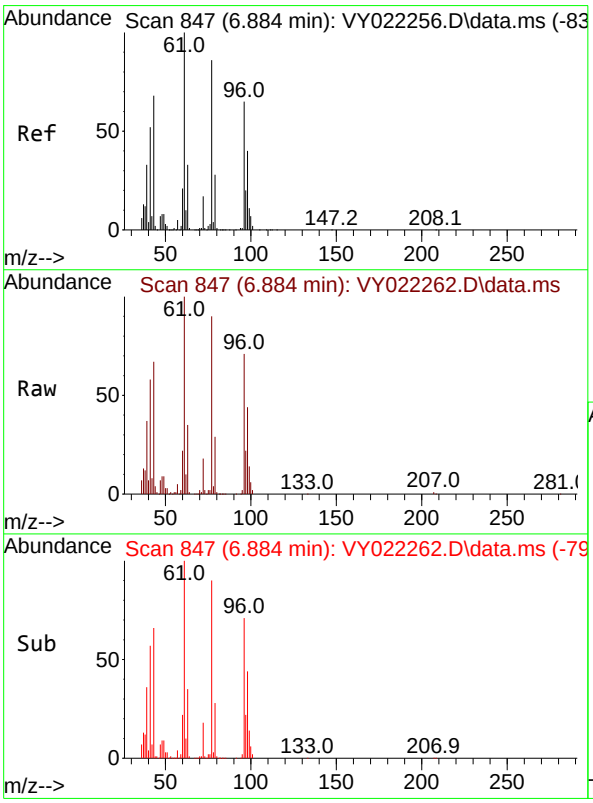
#25
2-Butanone
Concen: 98.430 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 43 Resp: 81164

Ion	Ratio	Lower	Upper
43	100		
72	29.1	22.1	33.1

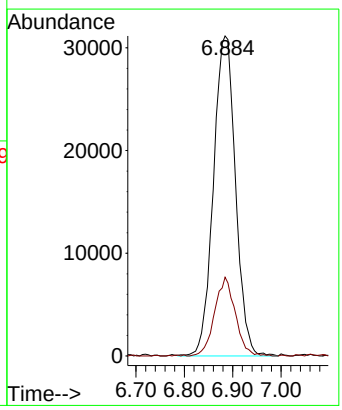


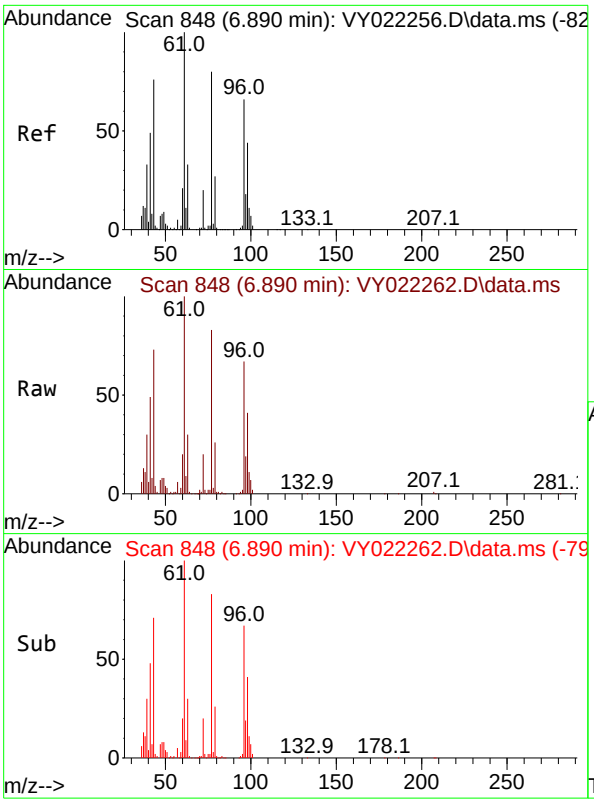


#26
2,2-Dichloropropane
Concen: 20.897 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 77 Resp: 98935

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.2	33.5



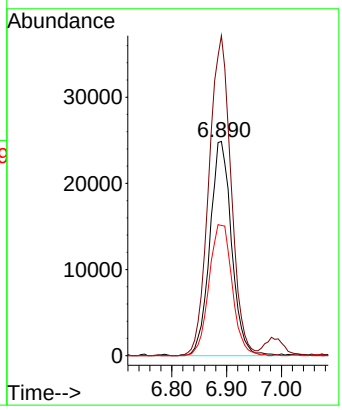


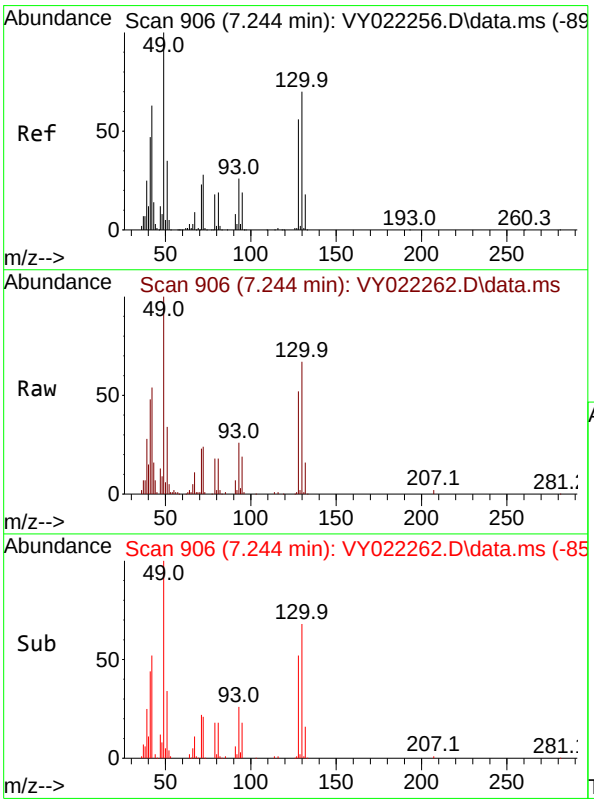
#27
cis-1,2-Dichloroethene
Concen: 20.875 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 96 Resp: 68417

Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	302.6
98	65.3	0.0	128.8

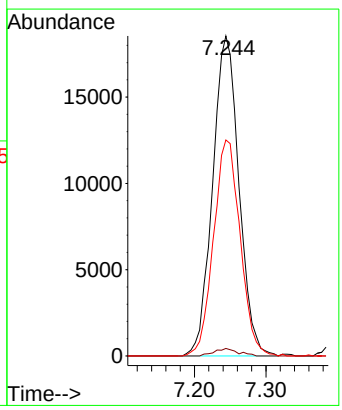


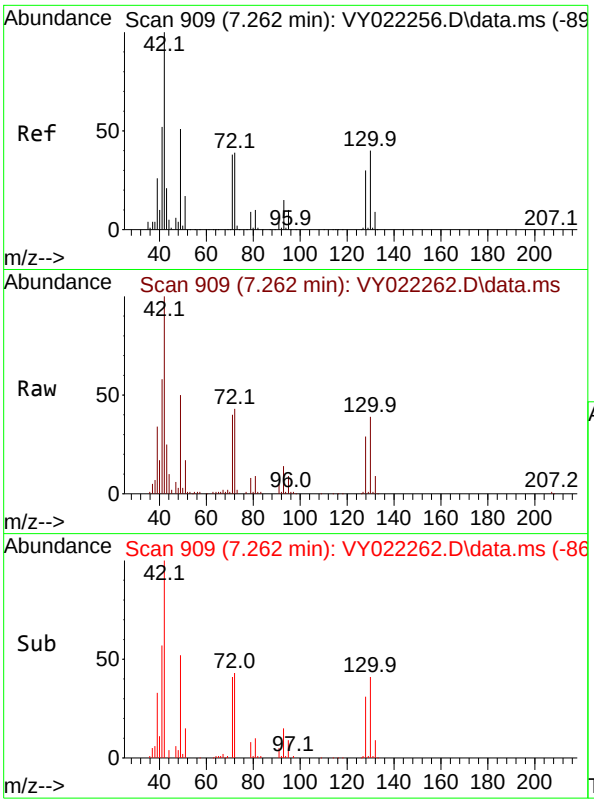


#28
Bromochloromethane
Concen: 20.868 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 49 Resp: 47380

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	68.3	54.7	82.1



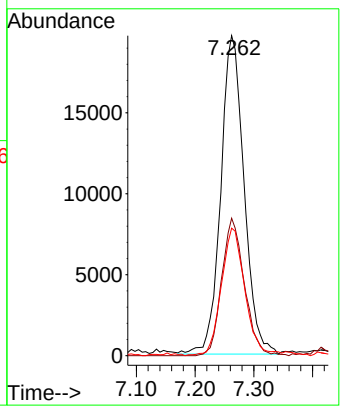


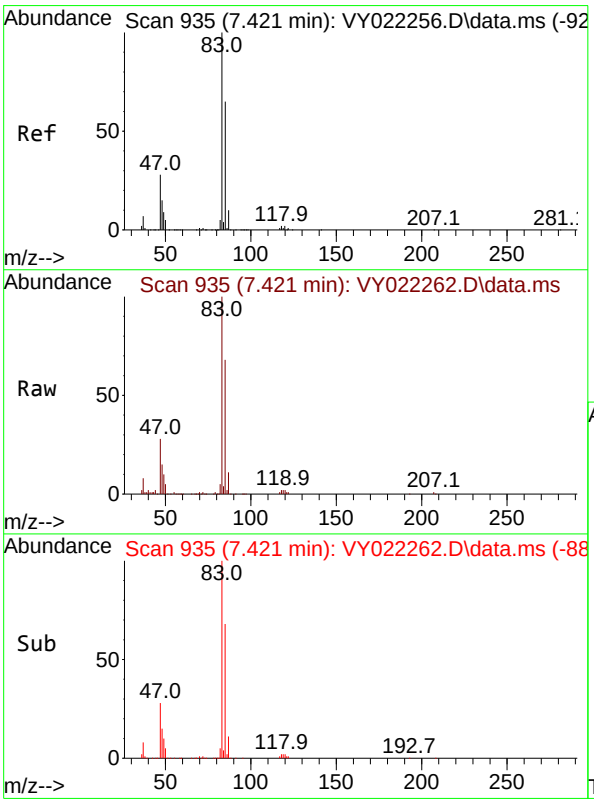
#29
Tetrahydrofuran
Concen: 102.386 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 42 Resp: 54316

Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.8	50.6
71	40.5	31.5	47.3

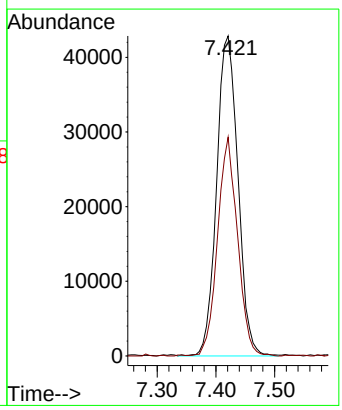


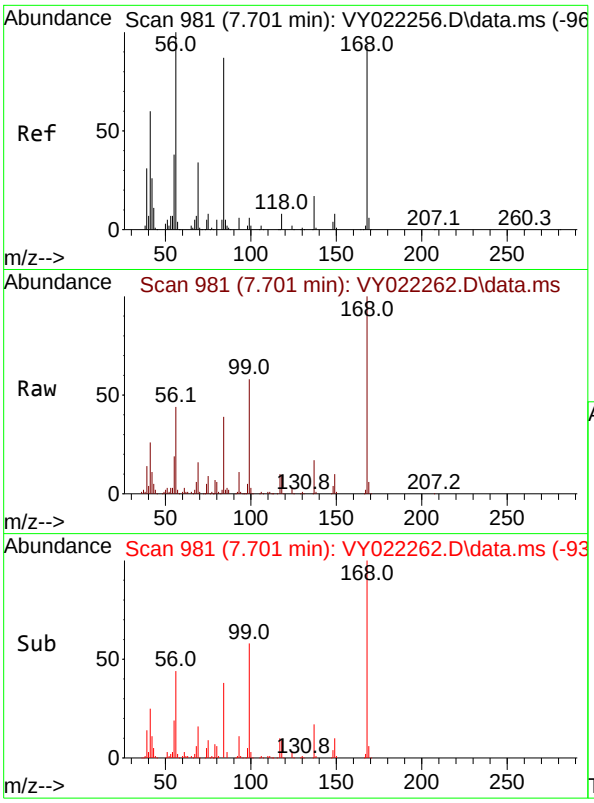


#30
Chloroform
Concen: 21.169 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 83 Resp: 108086

Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.8	77.8



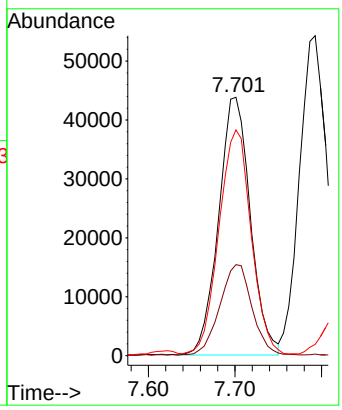


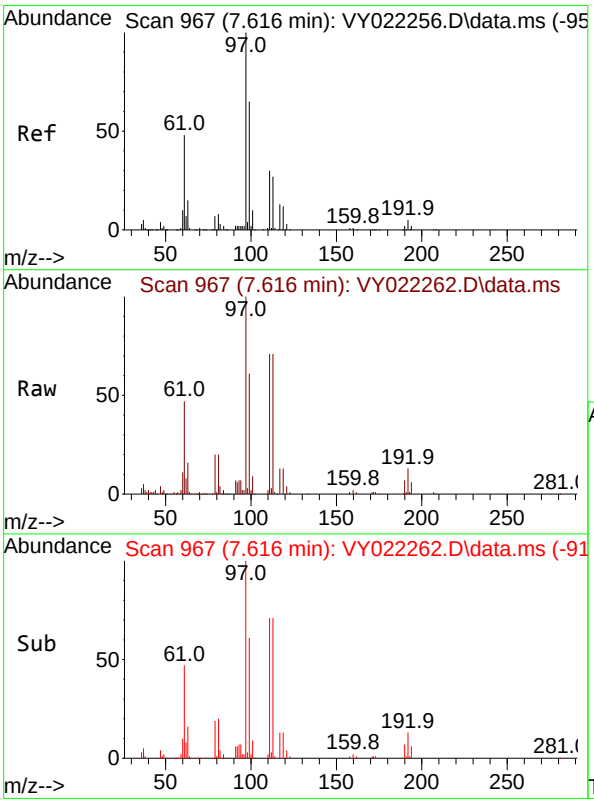
#31
Cyclohexane
Concen: 21.025 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 56 Resp: 111819

Ion	Ratio	Lower	Upper
56	100		
69	35.0	27.4	41.2
84	86.7	70.0	105.0

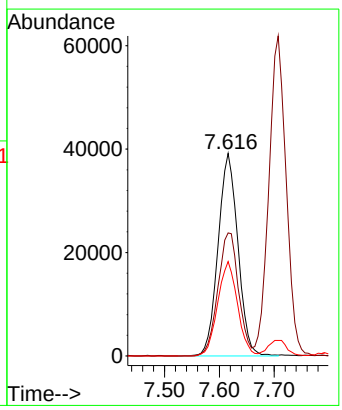


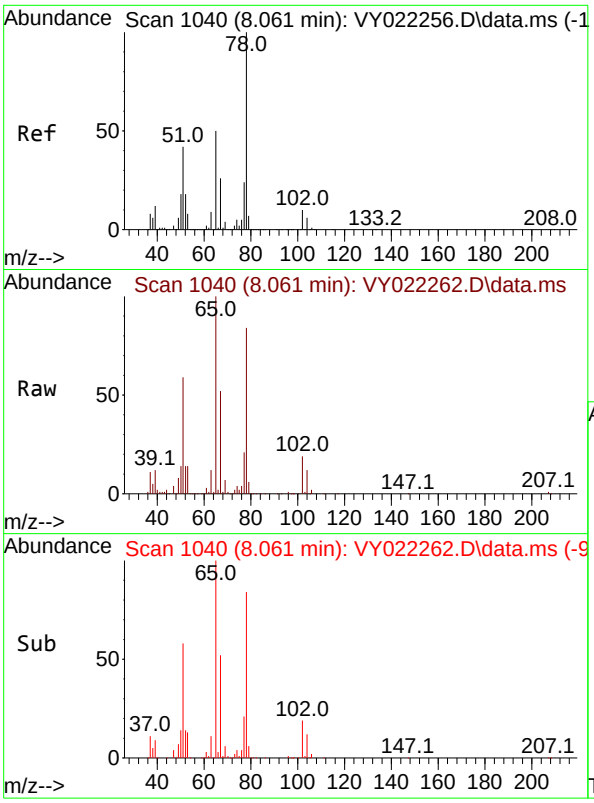


#32
1,1,1-Trichloroethane
Concen: 21.056 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 97 Resp: 98630

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.0
61	46.6	38.1	57.1



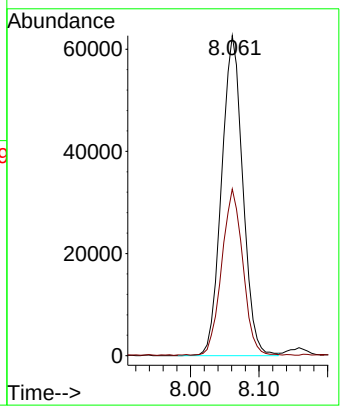


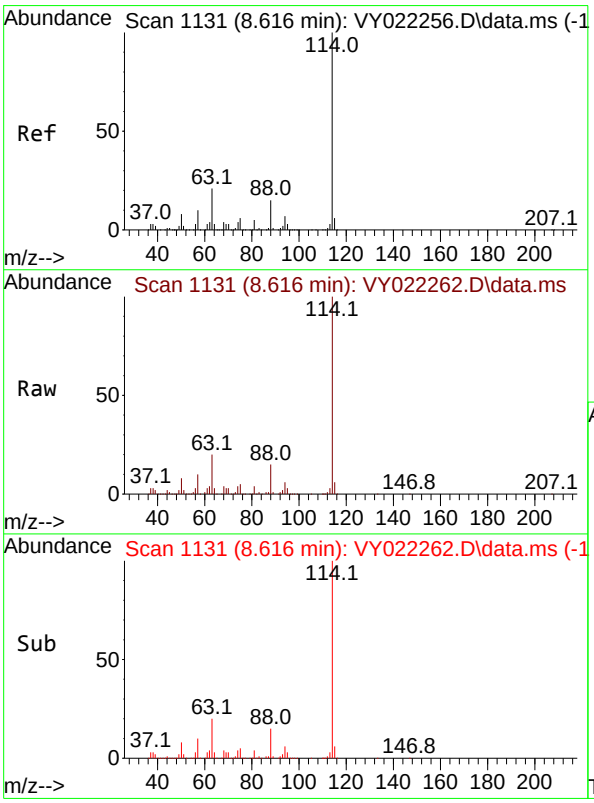
#33
1,2-Dichloroethane-d4
Concen: 51.178 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 65 Resp: 134549

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6

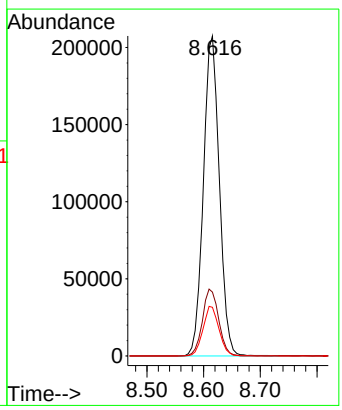


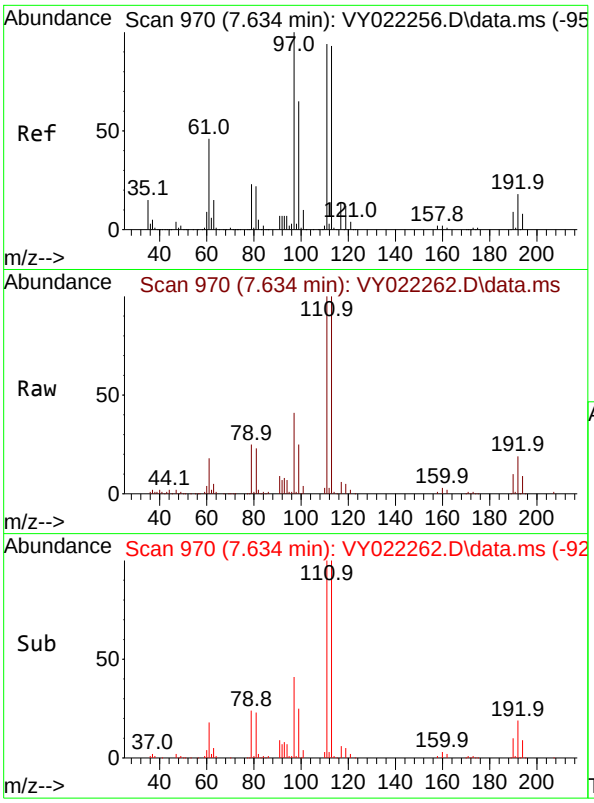


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:114 Resp: 405751

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.0
88	15.2	0.0	29.4



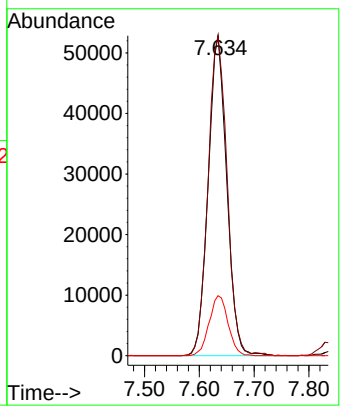


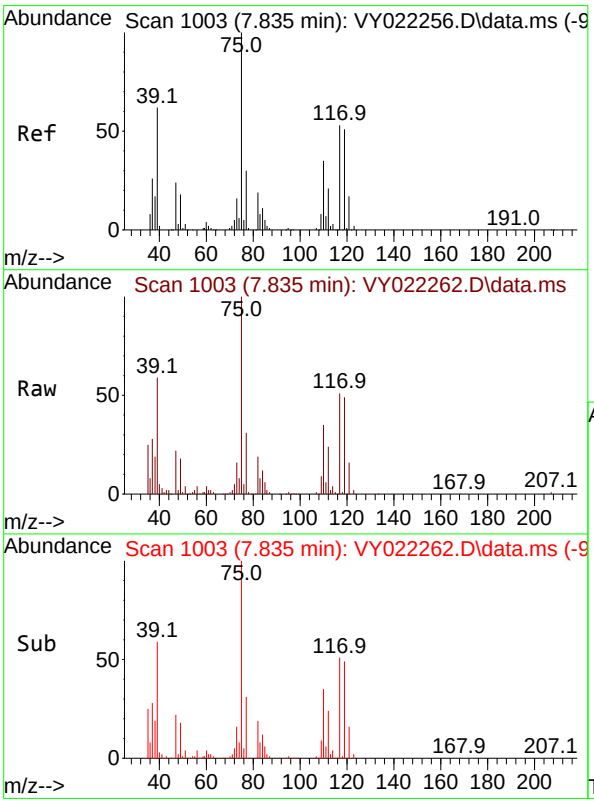
#35
Dibromofluoromethane
Concen: 51.140 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:113 Resp: 123849

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	19.1	15.2	22.8

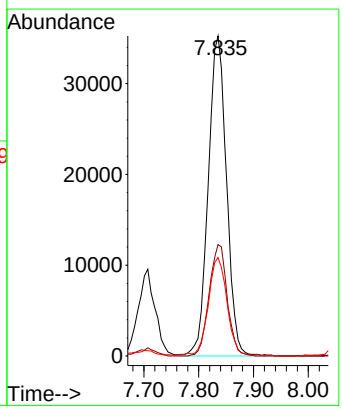


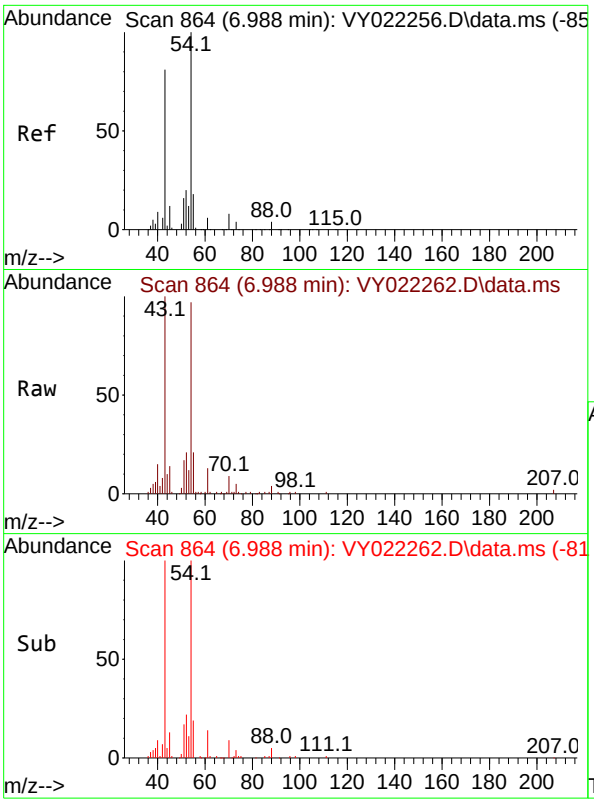


#36
1,1-Dichloropropene
Concen: 20.427 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 81482

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.6	49.8
77	30.9	24.6	37.0



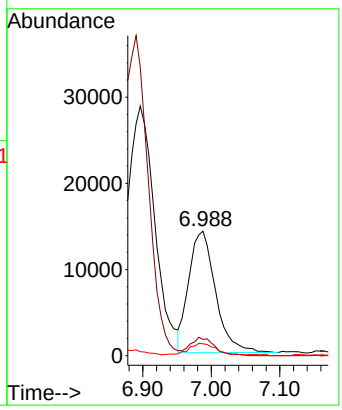


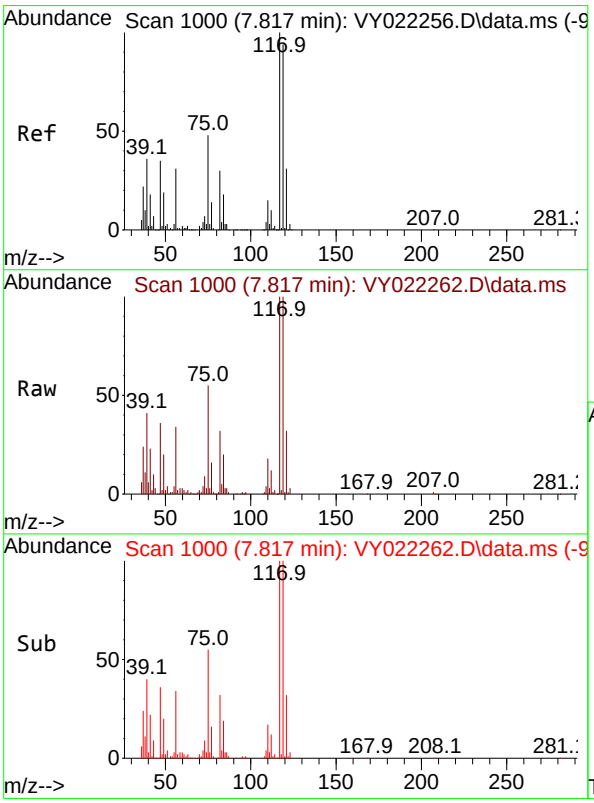
#37
Ethyl Acetate
Concen: 20.039 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 43 Resp: 38460

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	10.3	7.6	11.4

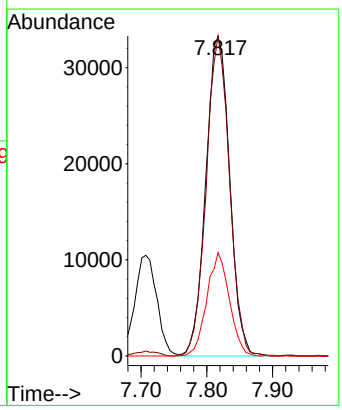


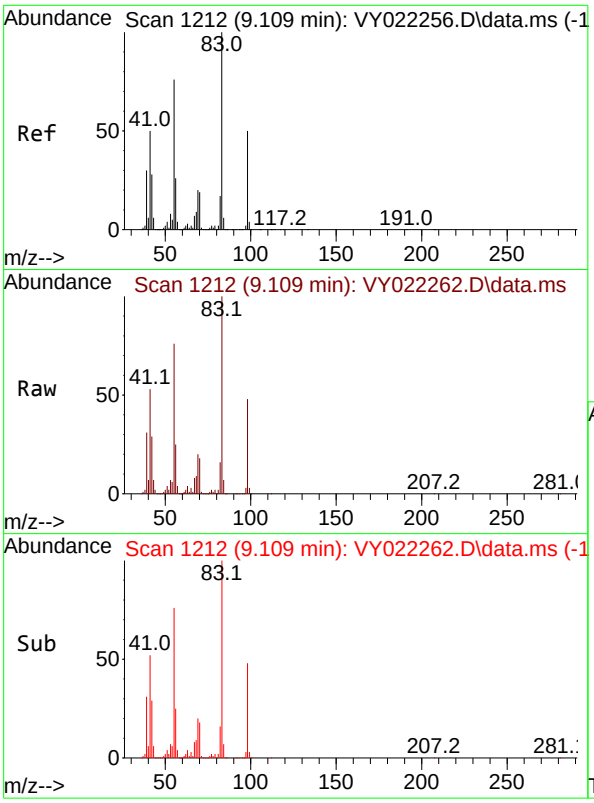


#38
Carbon Tetrachloride
Concen: 20.354 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:117 Resp: 84041

Ion	Ratio	Lower	Upper
117	100		
119	100.1	75.3	112.9
121	32.3	24.7	37.1



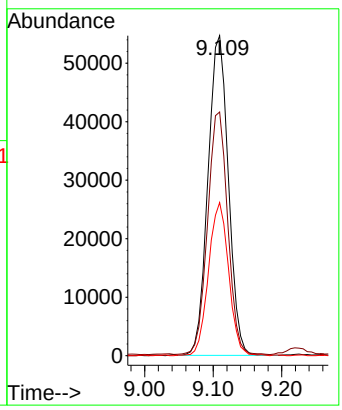


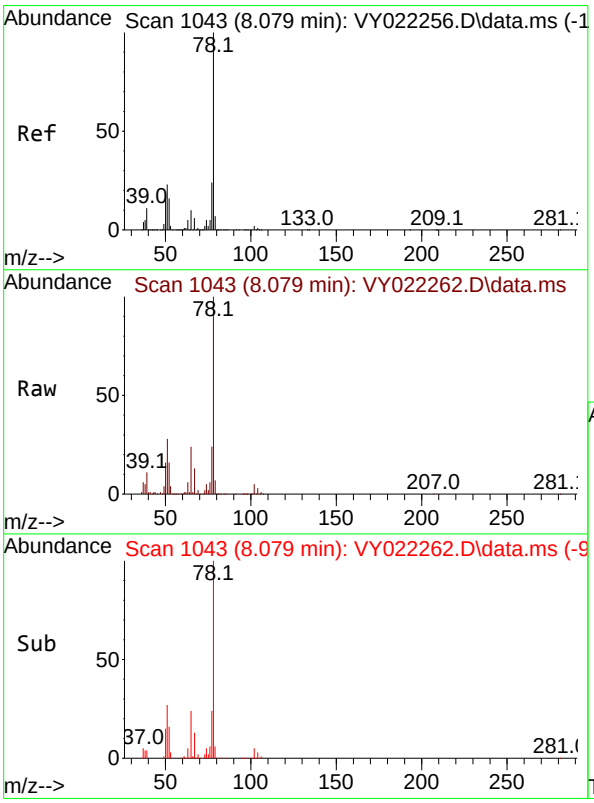
#39
Methylcyclohexane
Concen: 21.067 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 83 Resp: 112902

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.6	90.8
98	47.7	40.0	60.0

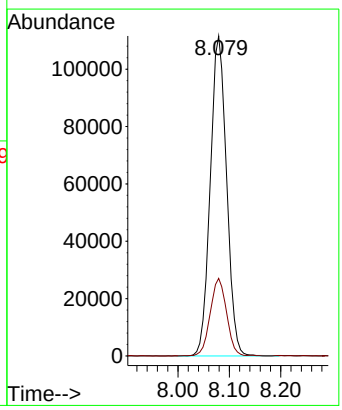


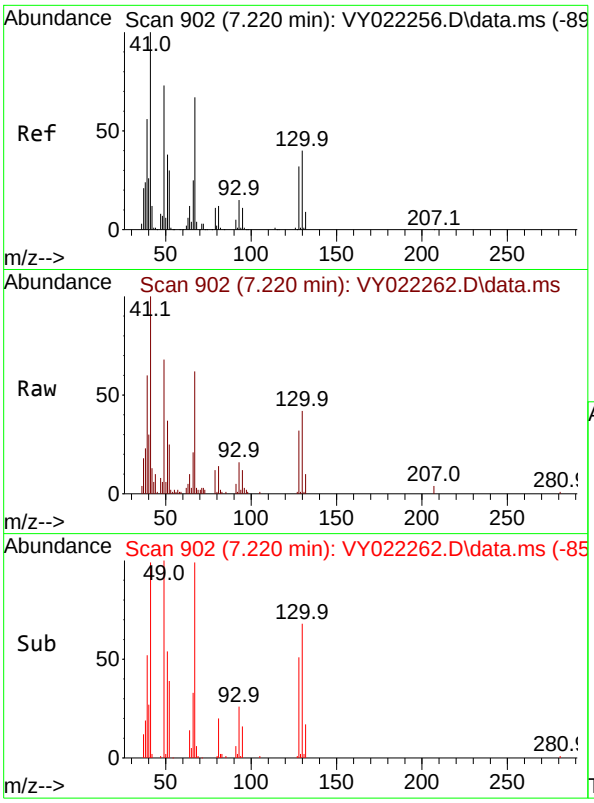


#40
Benzene
Concen: 20.784 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 78 Resp: 245775

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3



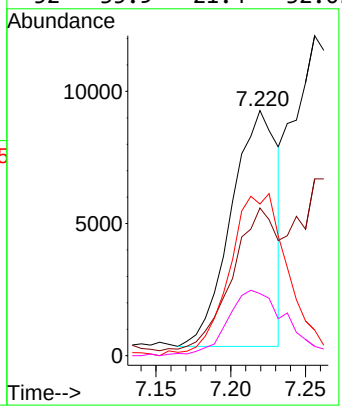


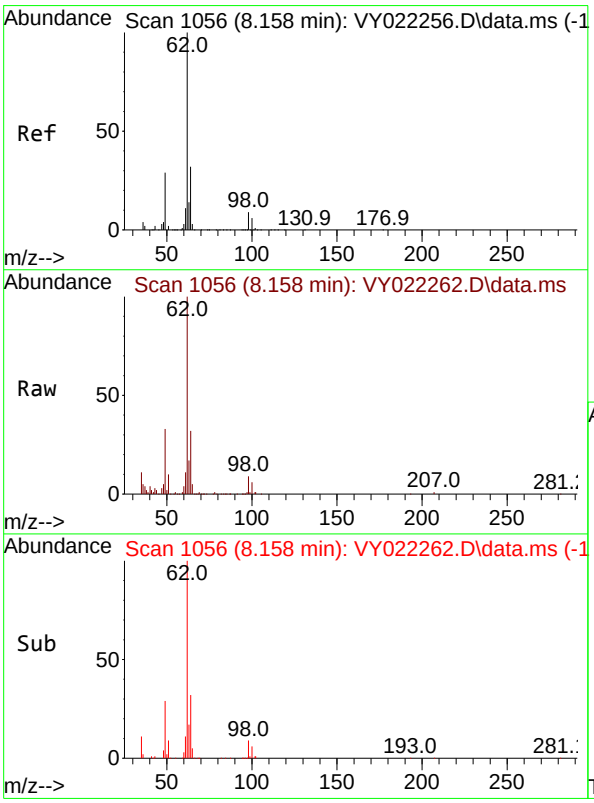
#41
Methacrylonitrile
Concen: 15.069 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 41 Resp: 19185

Ion	Ratio	Lower	Upper
41	100		
39	58.7	39.1	58.7#
67	88.9	47.1	70.7#
52	35.9	21.4	32.0#

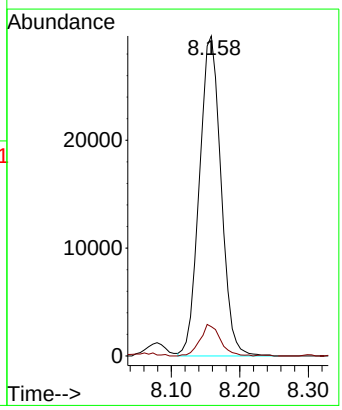


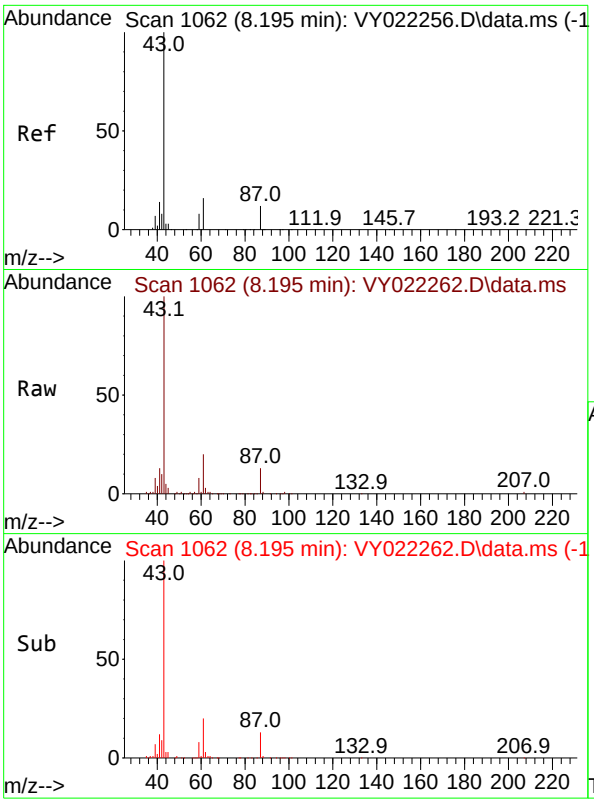


#42
1,2-Dichloroethane
Concen: 20.399 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 62 Resp: 65234

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



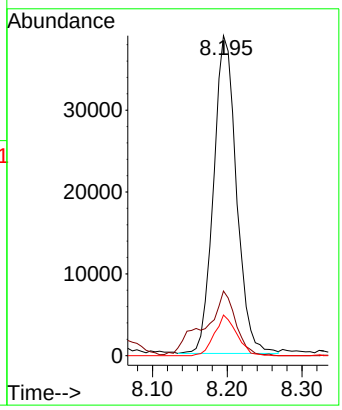


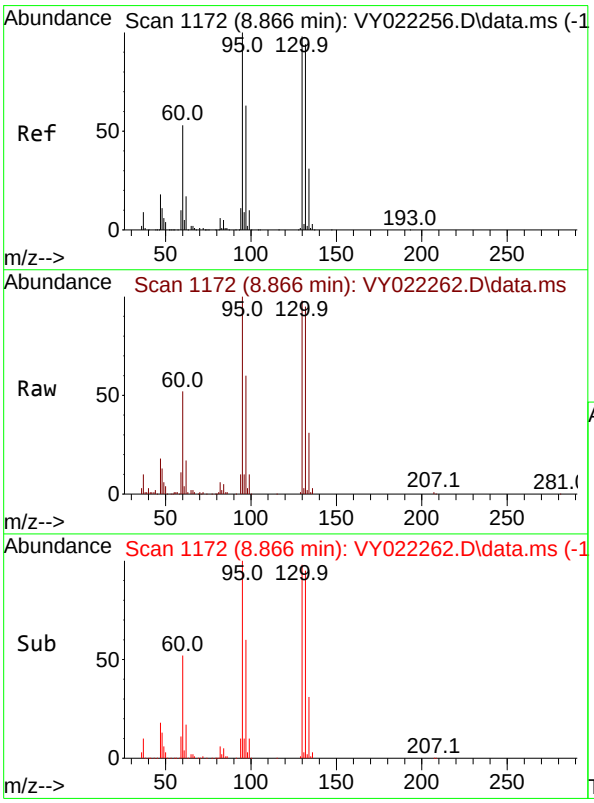
#43
Isopropyl Acetate
Concen: 19.763 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 43 Resp: 82723

Ion	Ratio	Lower	Upper
43	100		
61	27.7	15.1	22.7#
87	12.4	9.7	14.5

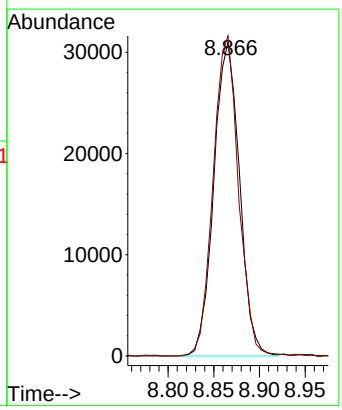


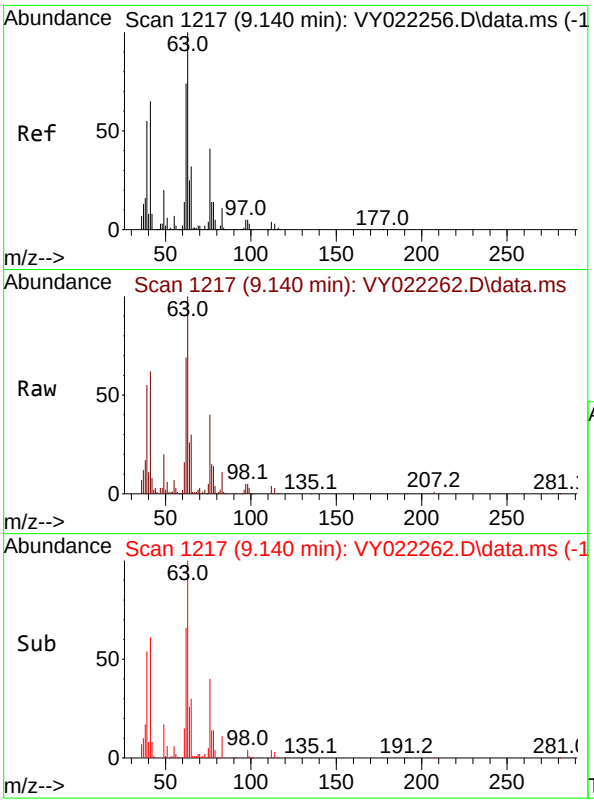


#44
Trichloroethene
Concen: 20.593 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:130 Resp: 60548

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	204.8



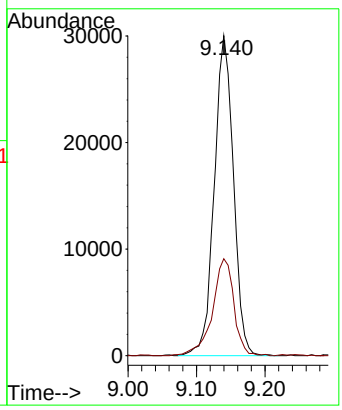


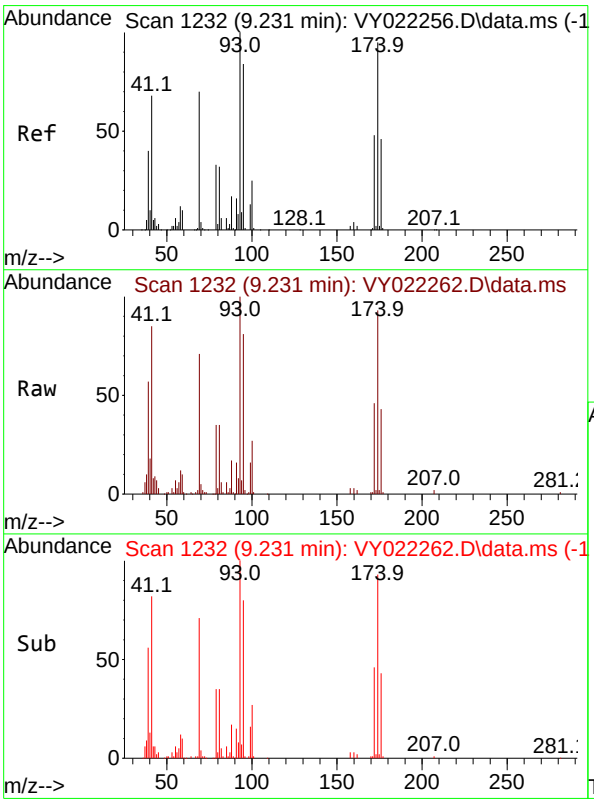
#45
1,2-Dichloropropane
Concen: 20.416 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 63 Resp: 58205

Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.7	38.5

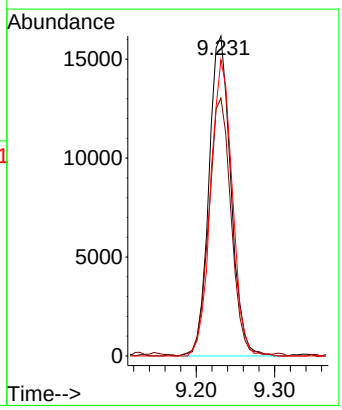


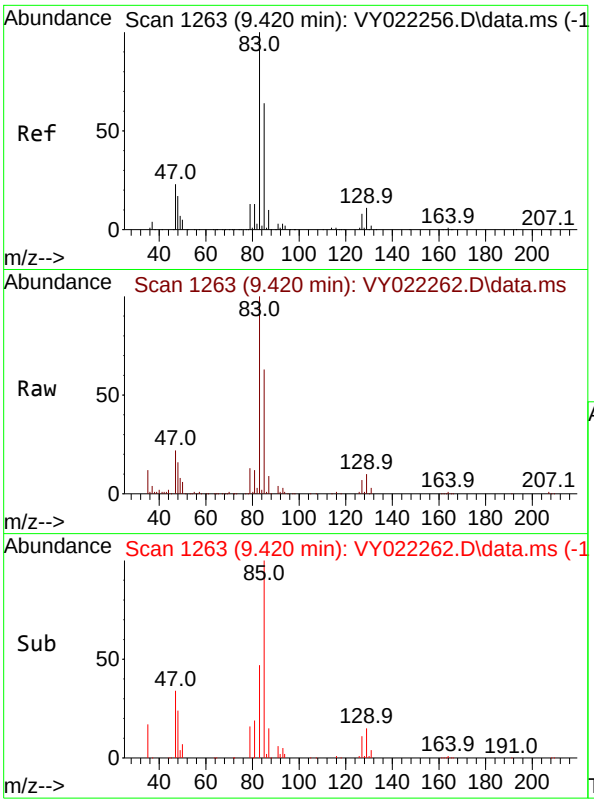


#46
Dibromomethane
Concen: 20.353 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 93 Resp: 31296

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.2	97.8
174	91.8	74.3	111.5



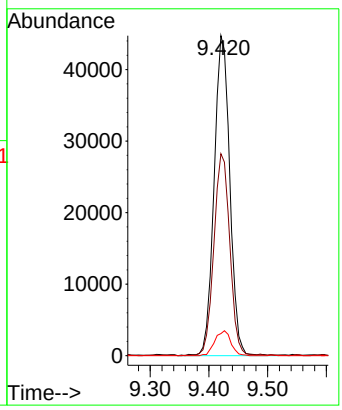


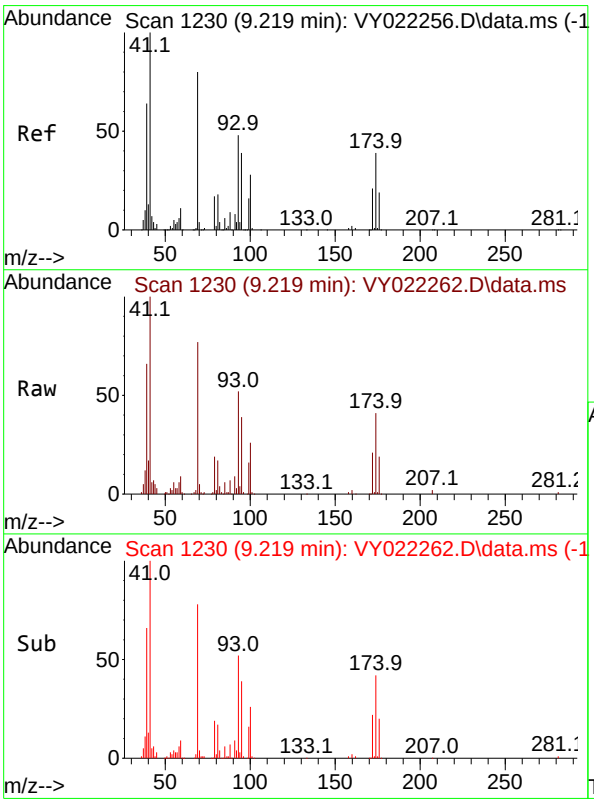
#47
Bromodichloromethane
Concen: 20.823 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 83 Resp: 83066

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	6.9	6.6	10.0

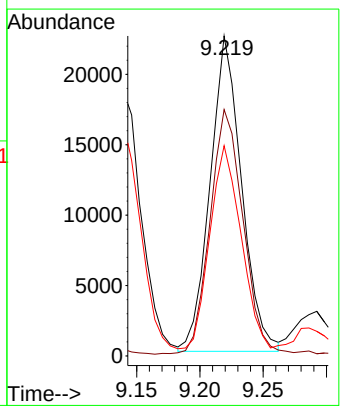


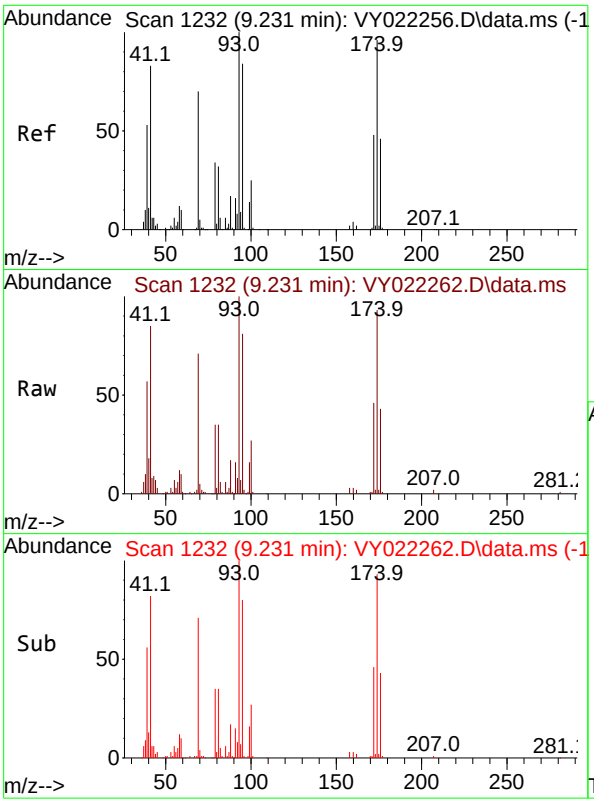


#48
Methyl methacrylate
Concen: 19.803 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 41 Resp: 38763

Ion	Ratio	Lower	Upper
41	100		
69	81.9	63.5	95.3
39	64.6	50.8	76.2



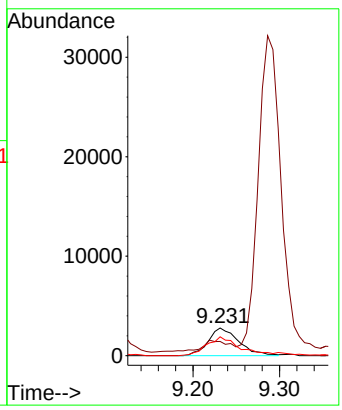


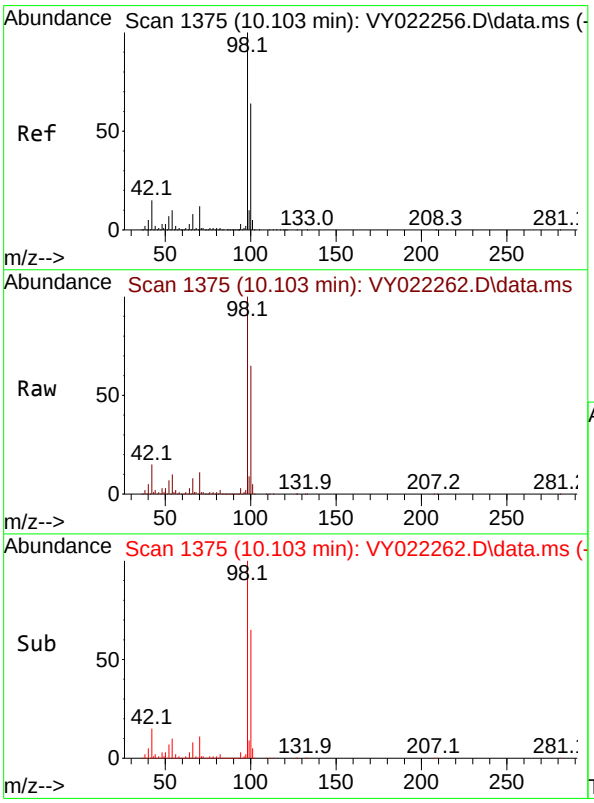
#49
1,4-Dioxane
Concen: 392.199 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 88 Resp: 6813

Ion	Ratio	Lower	Upper
88	100		
43	41.9	28.5	42.7
58	72.9	61.4	92.2

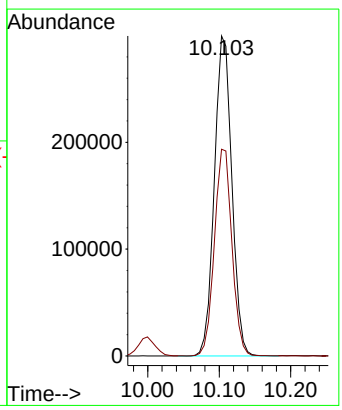


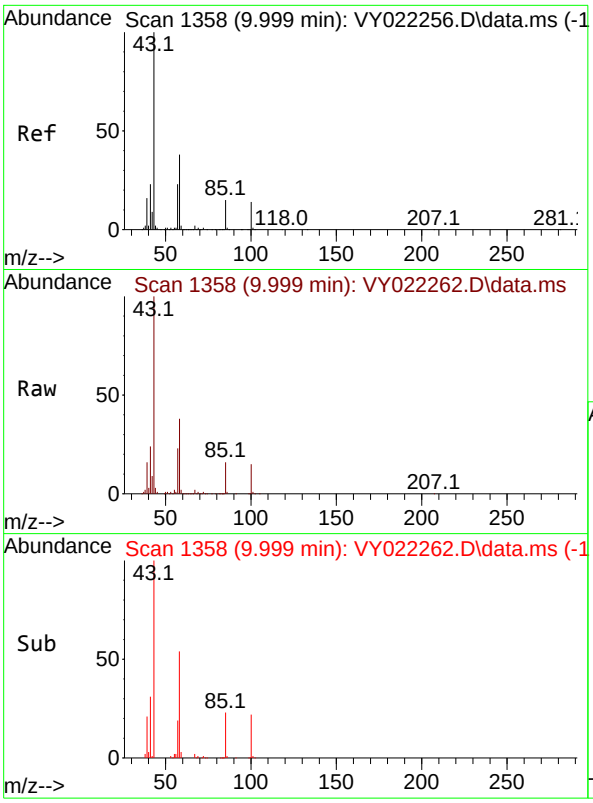


#50
Toluene-d8
Concen: 51.282 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 98 Resp: 508643

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8



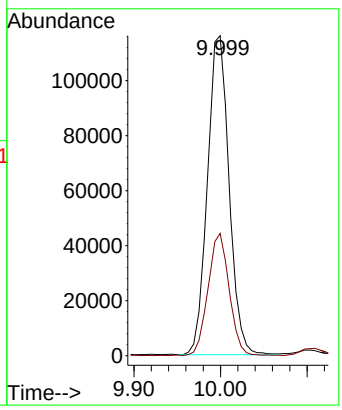


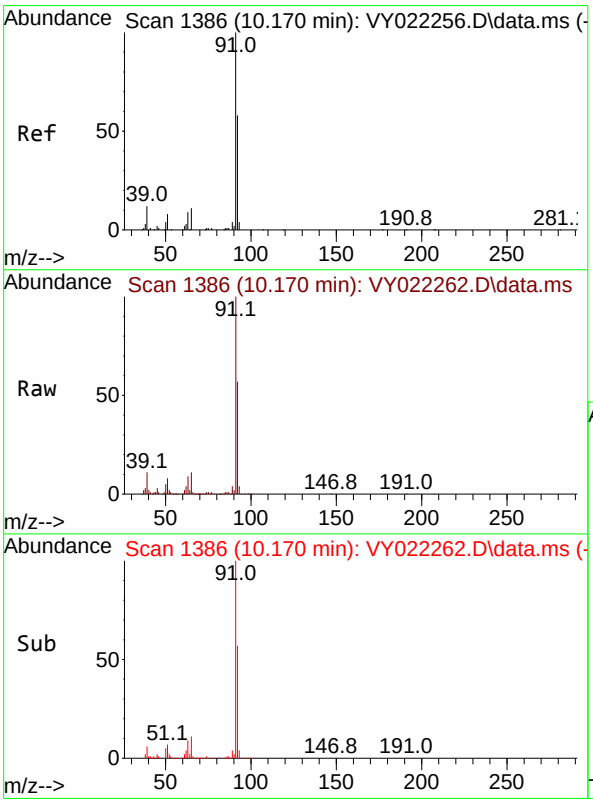
#51
4-Methyl-2-Pentanone
Concen: 98.097 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 43 Resp: 201472

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.4	44.2

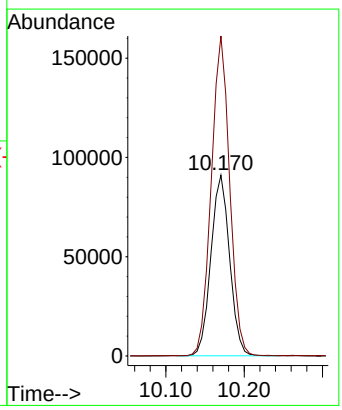


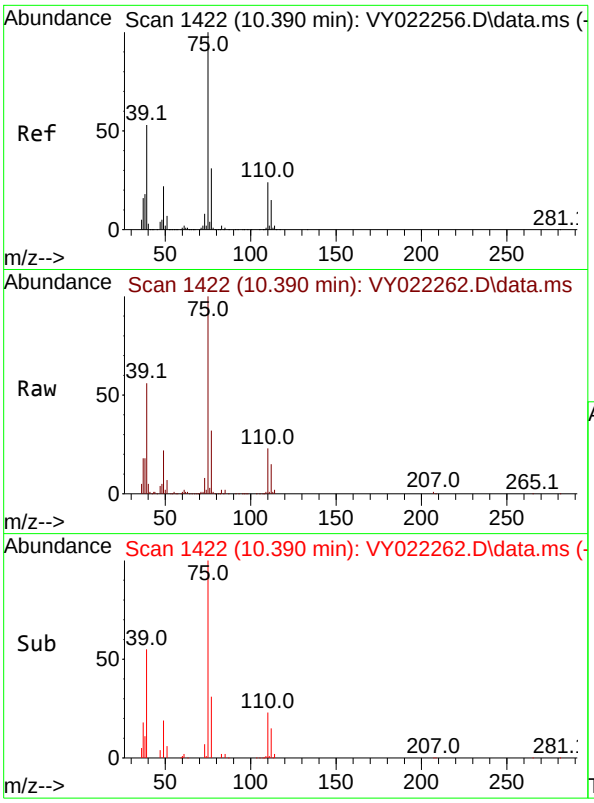


#52
Toluene
Concen: 20.135 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 92 Resp: 150777

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.1	208.7



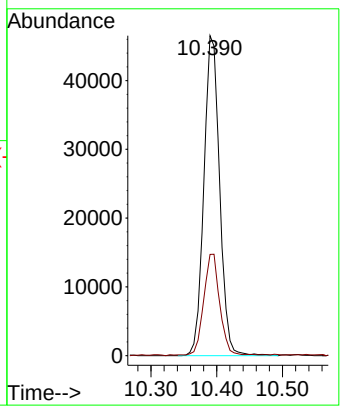


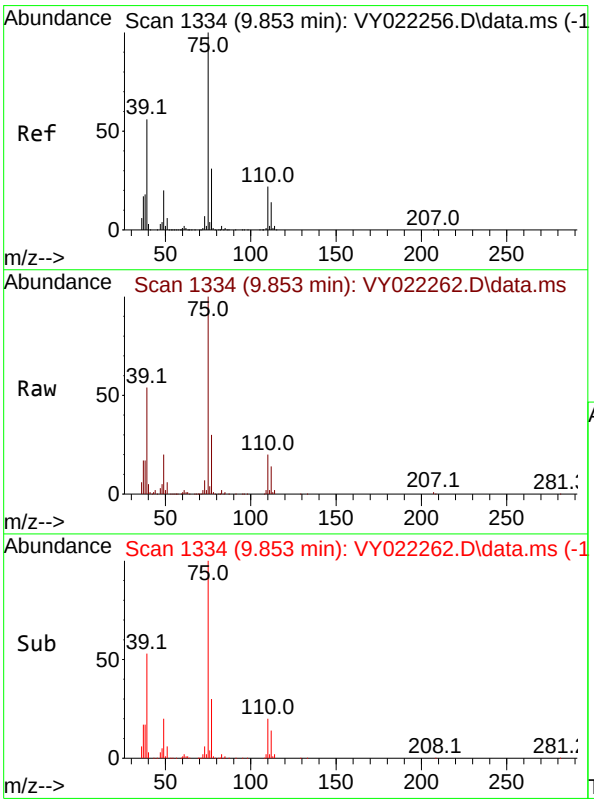
#53
t-1,3-Dichloropropene
Concen: 19.893 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 75 Resp: 77444

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

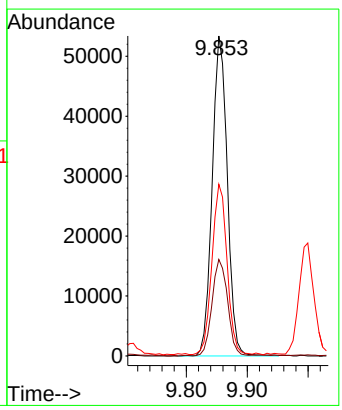


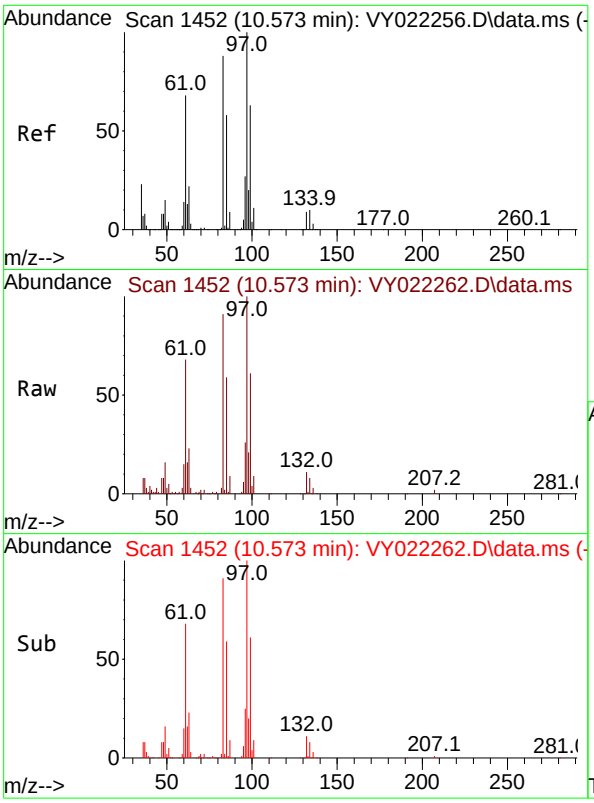


#54
cis-1,3-Dichloropropene
Concen: 20.623 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 91983

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7
39	53.0	44.5	66.7



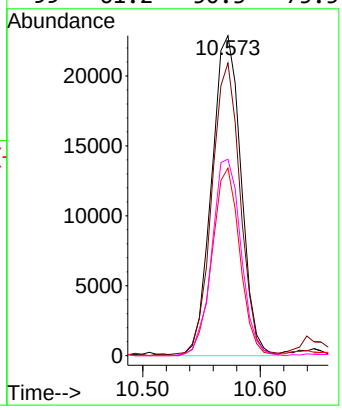


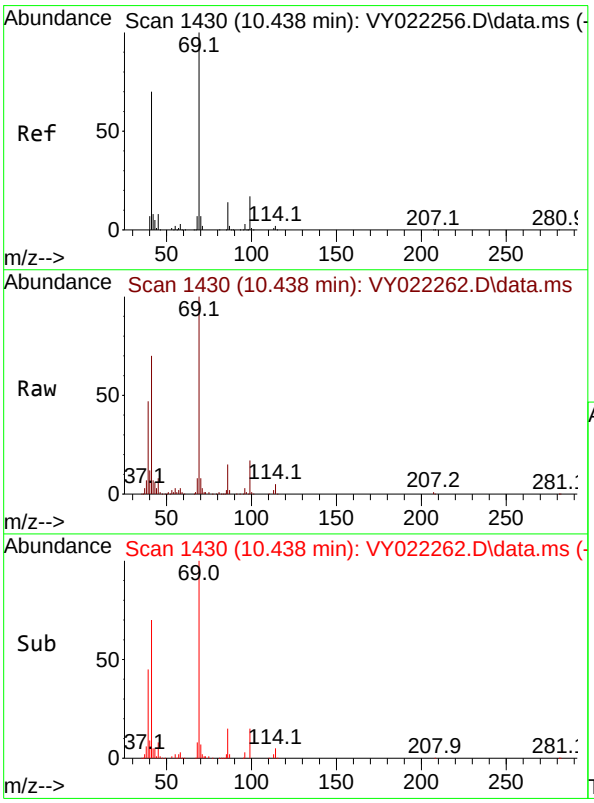
#55
1,1,2-Trichloroethane
Concen: 20.190 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 97 Resp: 39755

Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.3	105.5
85	58.6	46.2	69.4
99	61.2	50.3	75.5

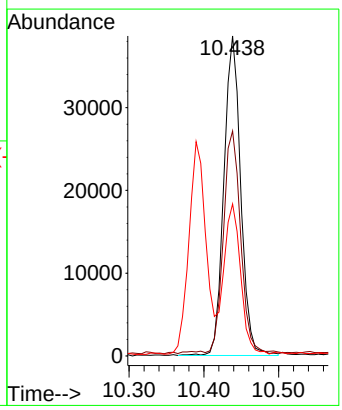


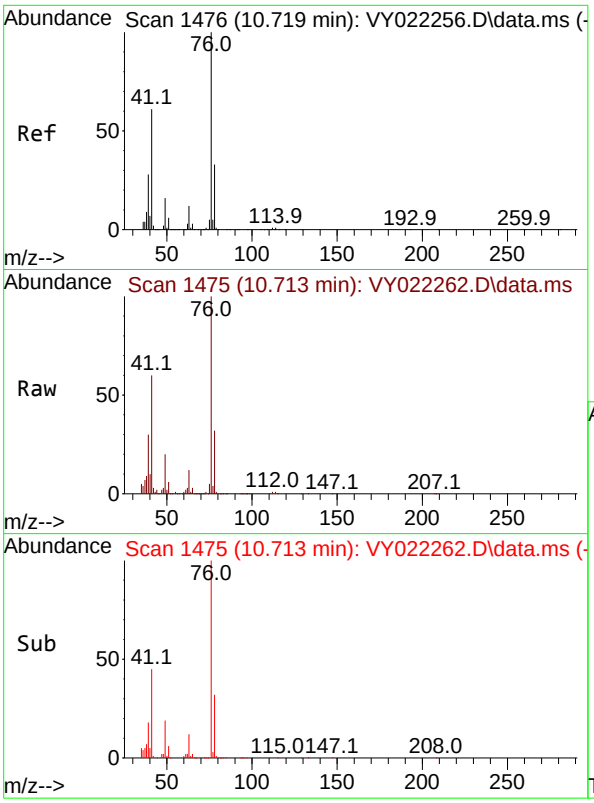


#56
Ethyl methacrylate
Concen: 19.707 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 69 Resp: 60445

Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.5	84.7
39	47.1	37.1	55.7



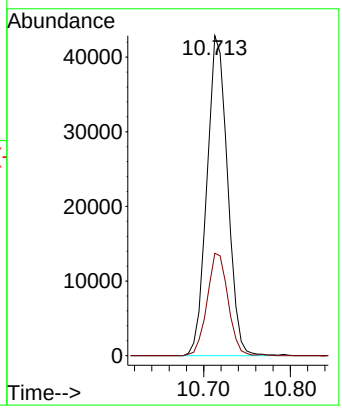


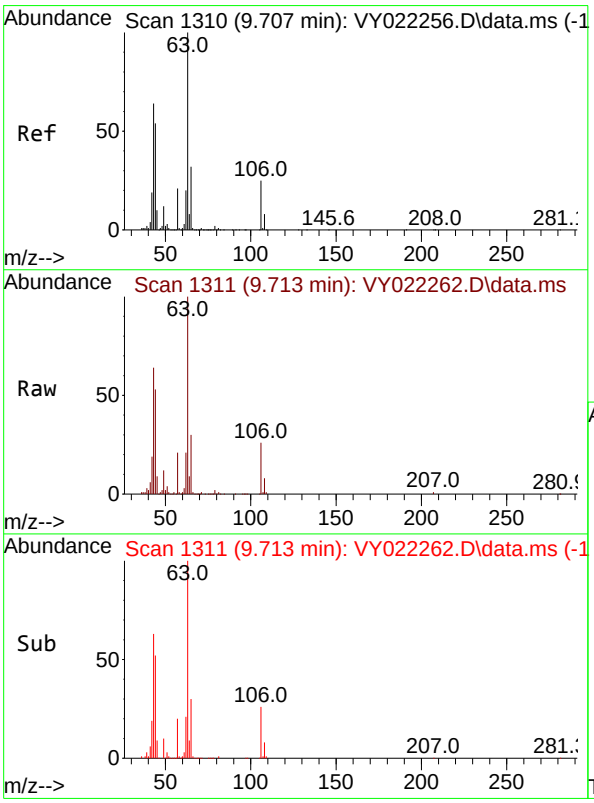
#57
1,3-Dichloropropane
Concen: 20.284 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 76 Resp: 70964

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

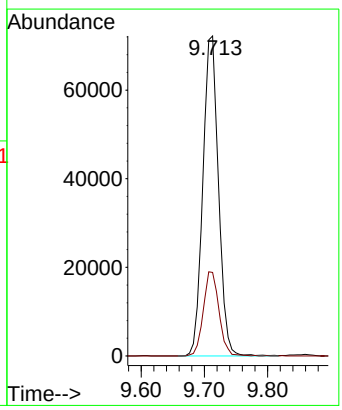


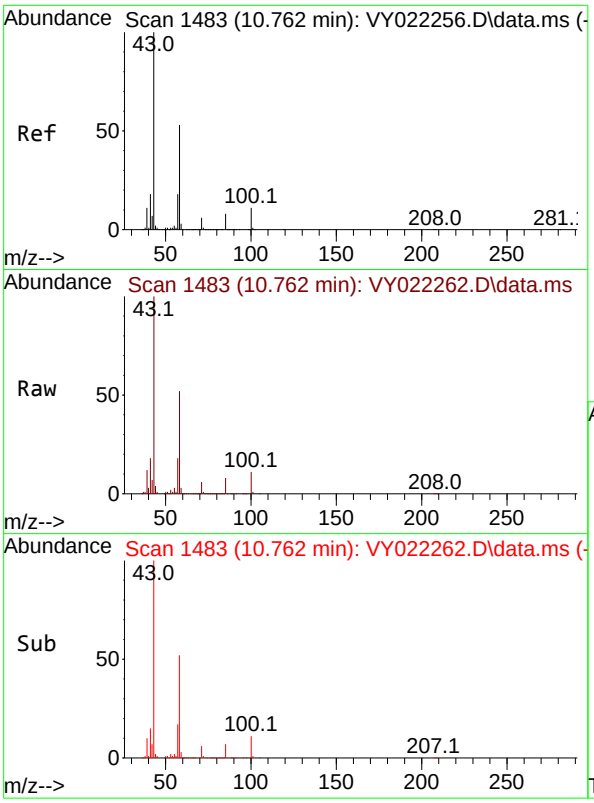


#58
2-Chloroethyl Vinyl ether
Concen: 90.134 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 63 Resp: 124088

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.4



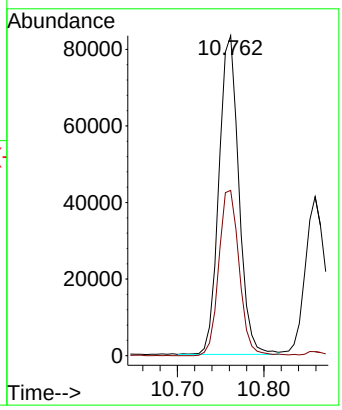


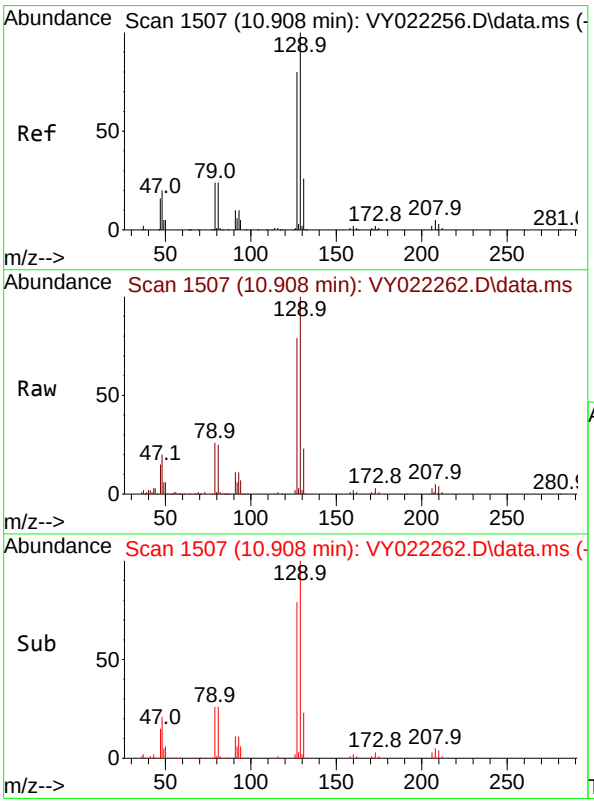
#59
2-Hexanone
Concen: 96.437 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 43 Resp: 132798

Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.1	78.3

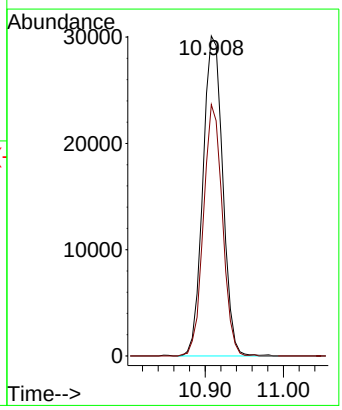


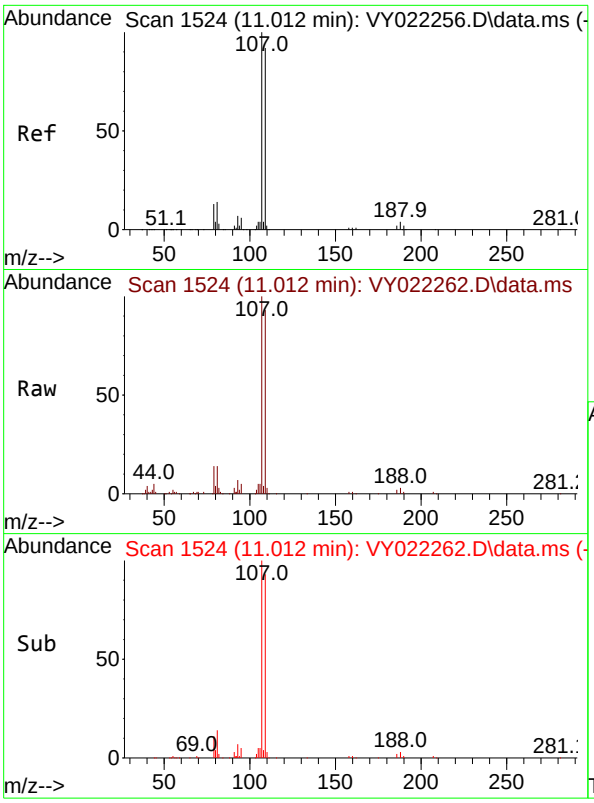


#60
Dibromochloromethane
Concen: 20.662 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:129 Resp: 52808

Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.6	115.7



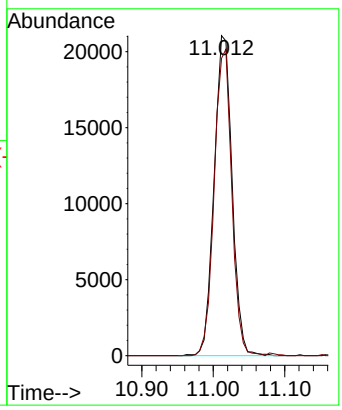


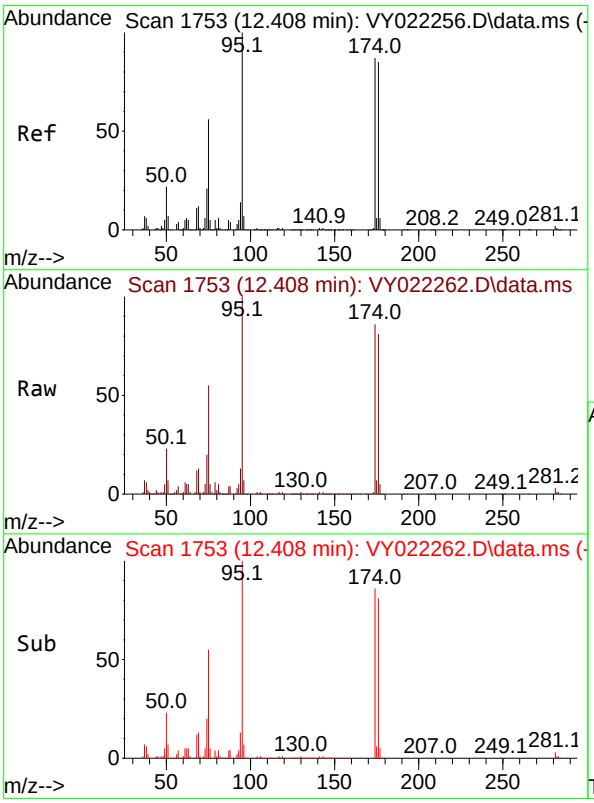
#61
1,2-Dibromoethane
Concen: 20.089 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:107 Resp: 36868

Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.6	111.8

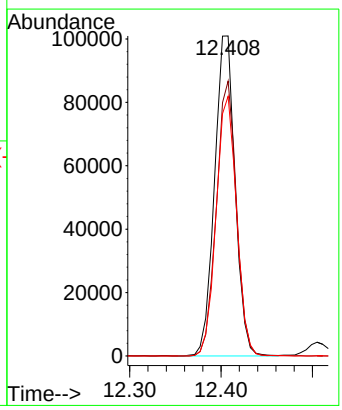


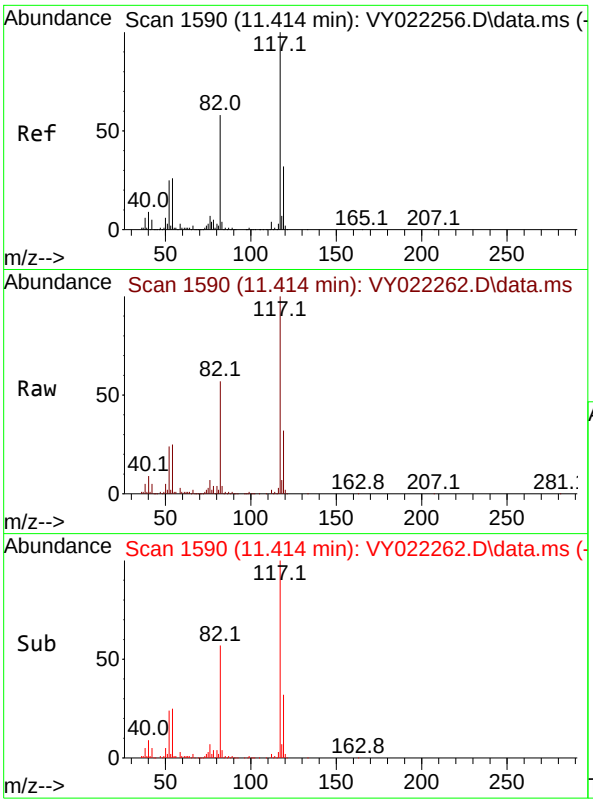


#62
4-Bromofluorobenzene
Concen: 50.222 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 95 Resp: 157889

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	166.8
176	80.6	0.0	160.8



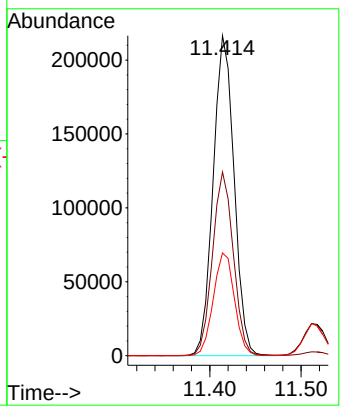


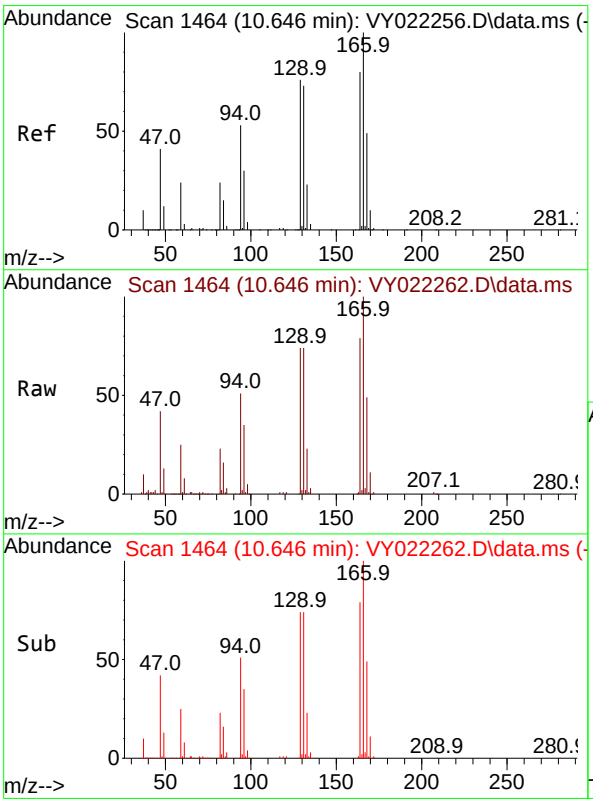
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:117 Resp: 344872

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.6	70.0
119	32.1	25.8	38.6

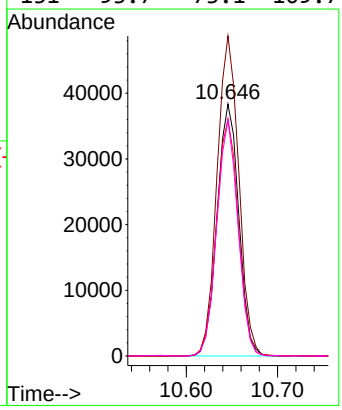


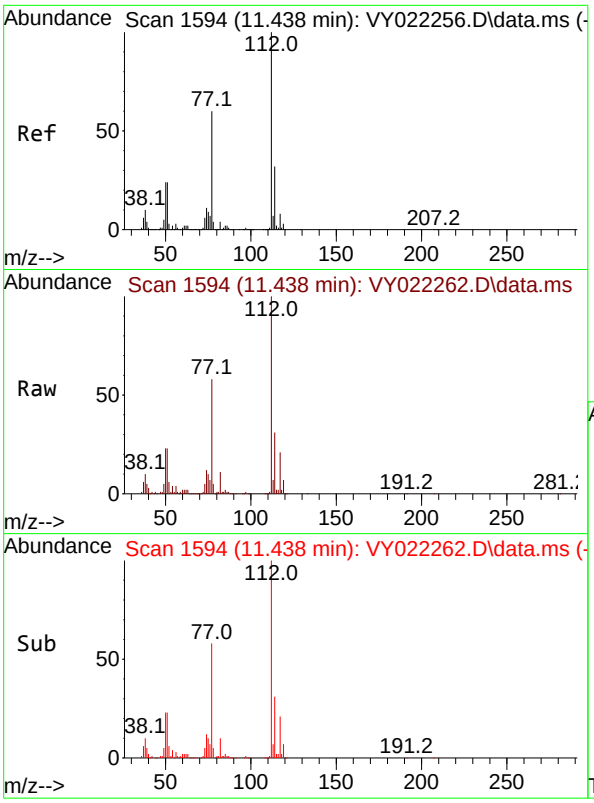


#64
Tetrachloroethene
Concen: 19.886 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:164 Resp: 63391

Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.4	150.6
129	94.1	76.4	114.6
131	93.7	73.1	109.7



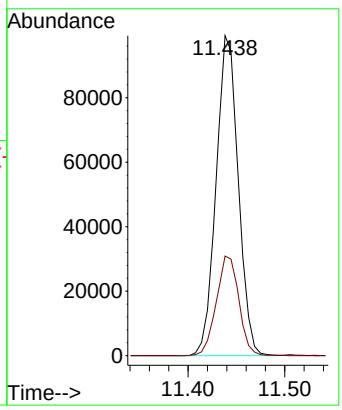


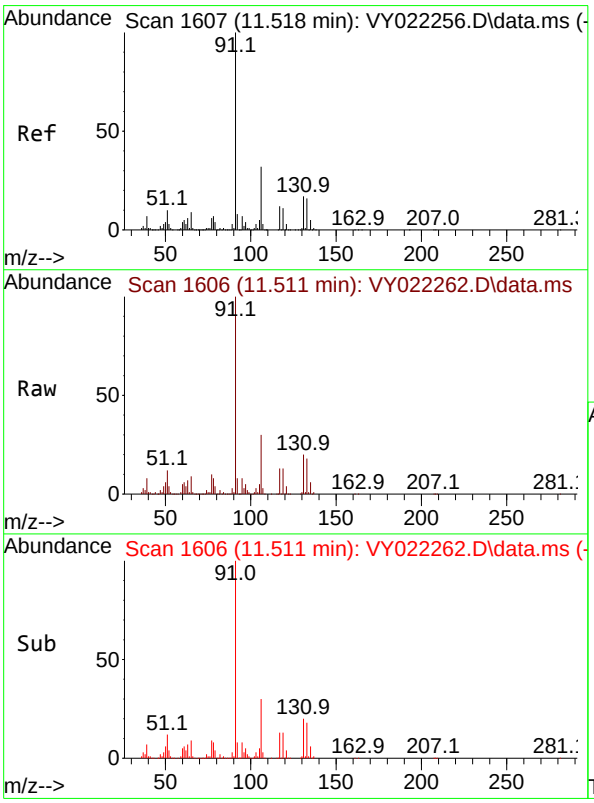
#65
Chlorobenzene
Concen: 20.297 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:112 Resp: 157927

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.6

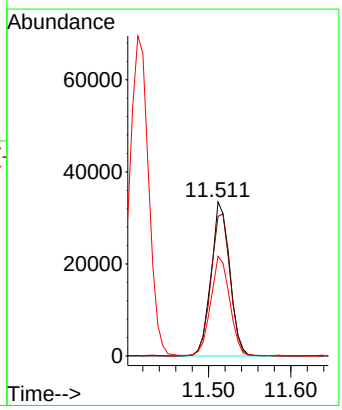


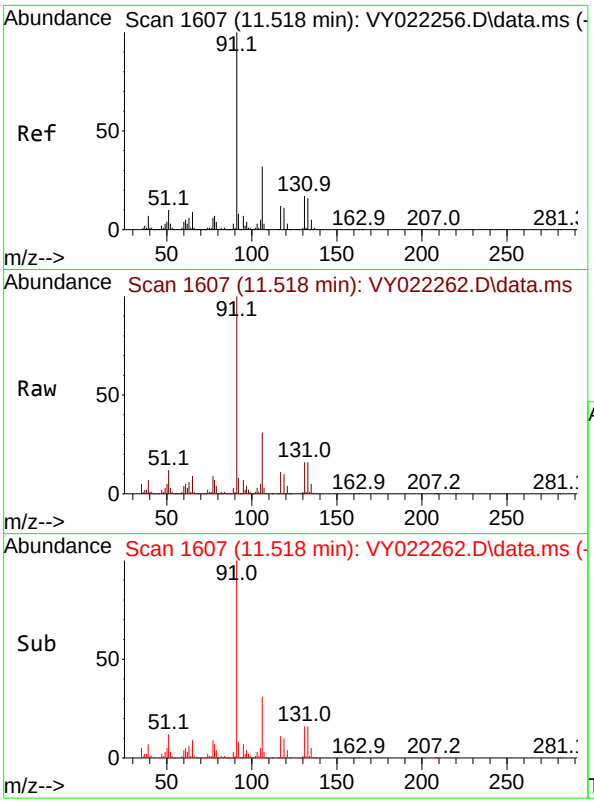


#66
1,1,1,2-Tetrachloroethane
Concen: 19.721 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:131 Resp: 52751

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.9
119	66.3	33.1	99.2



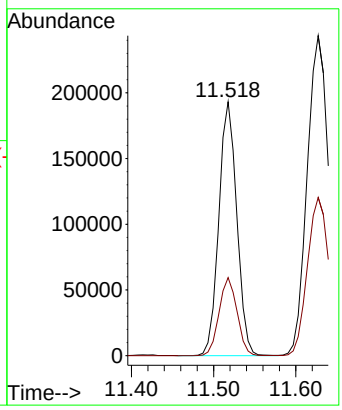


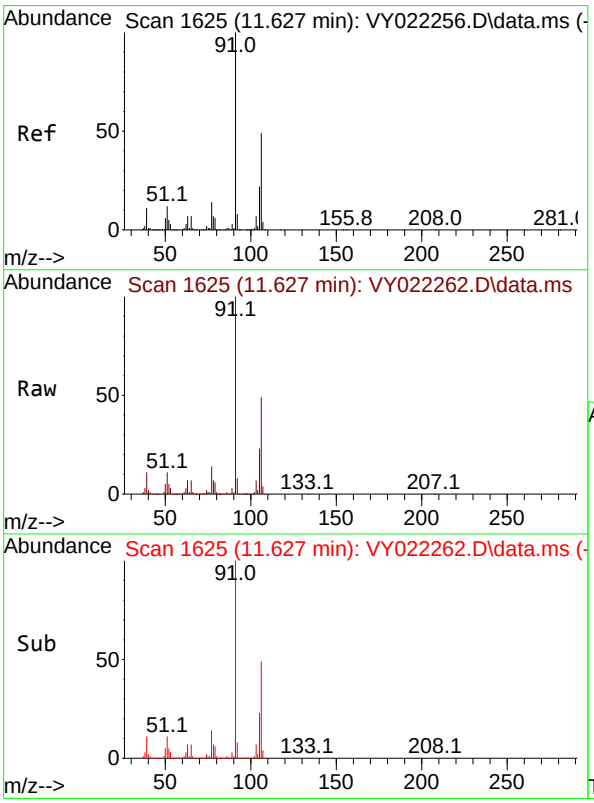
#67
Ethyl Benzene
Concen: 20.095 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 91 Resp: 292819

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.4	38.0

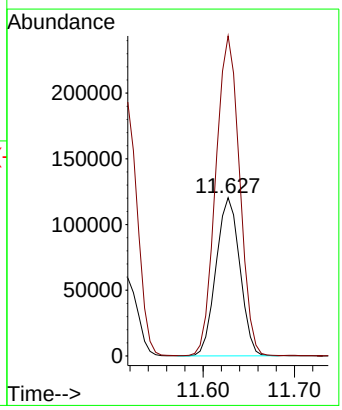


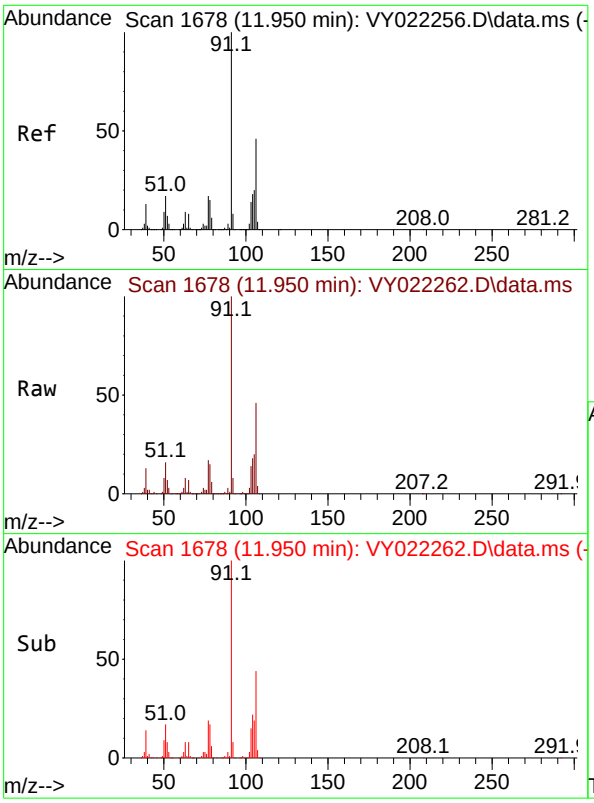


#68
m/p-Xylenes
Concen: 39.750 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:106 Resp: 218261

Ion	Ratio	Lower	Upper
106	100		
91	202.3	163.0	244.4



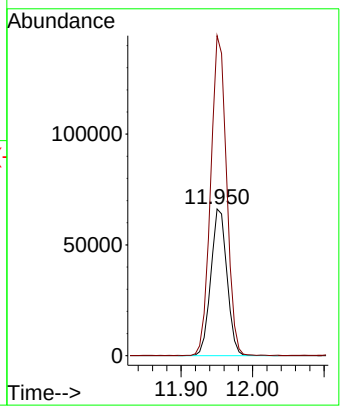


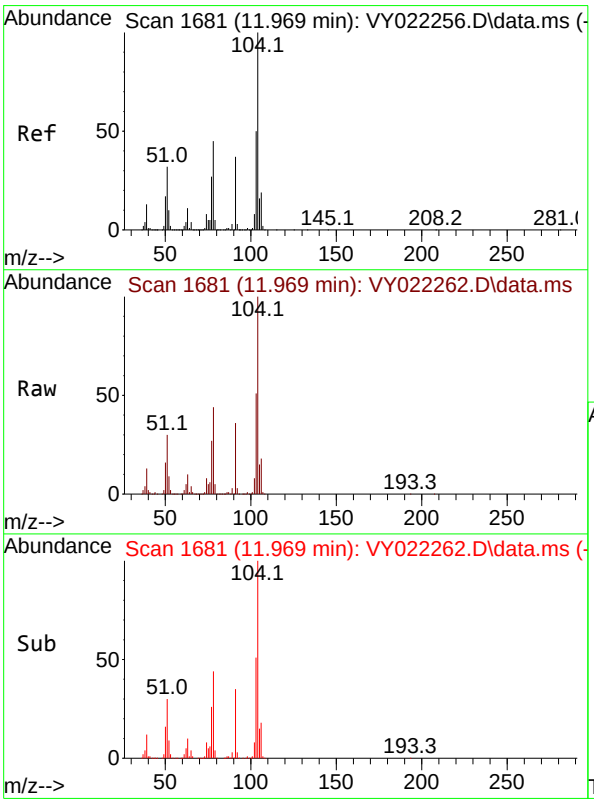
#69
o-Xylene
Concen: 19.946 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:106 Resp: 103620

Ion	Ratio	Lower	Upper
106	100		
91	214.9	108.3	324.8

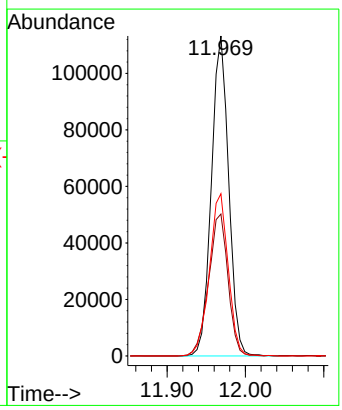


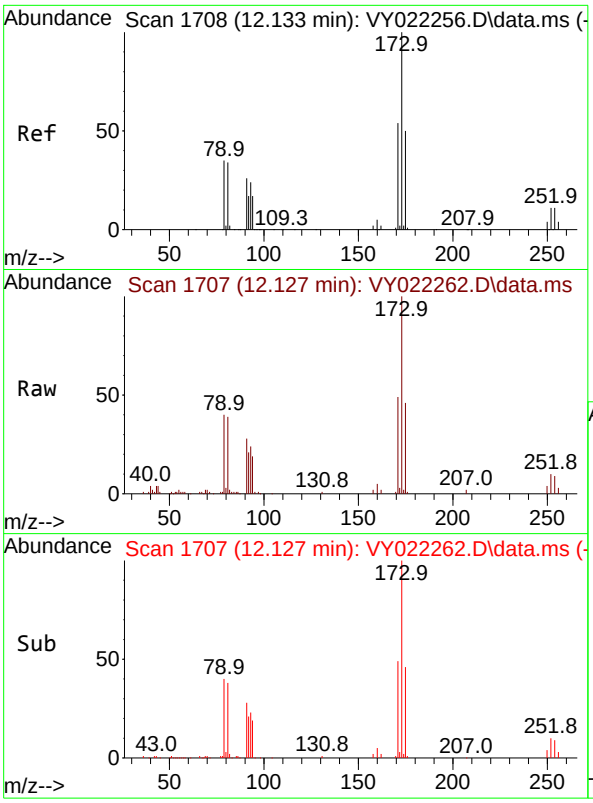


#70
Styrene
Concen: 19.833 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:104 Resp: 173798

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.9	61.3
103	55.3	43.7	65.5



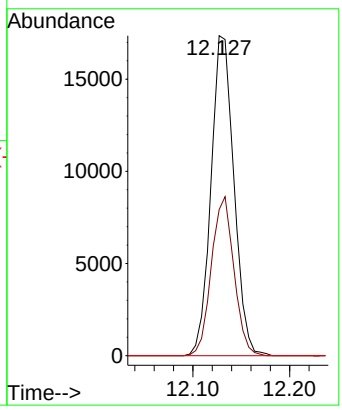


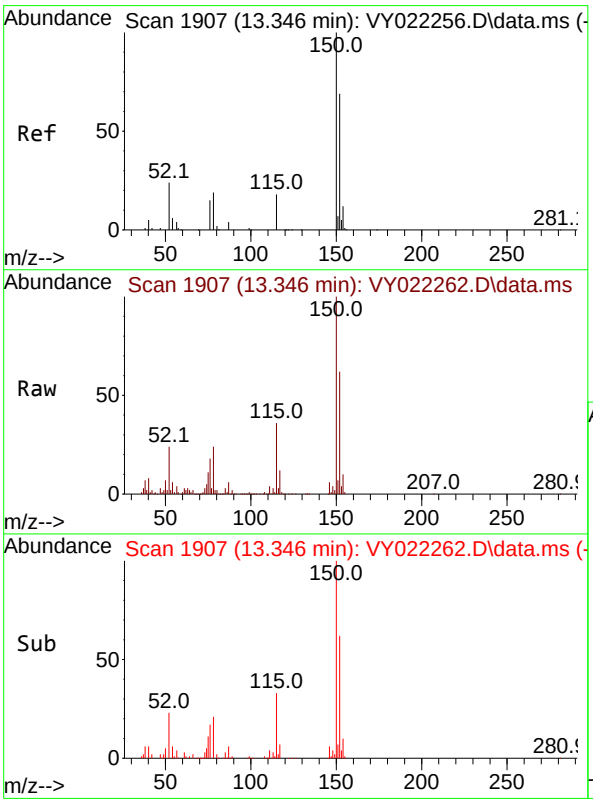
#71
Bromoform
Concen: 19.817 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:173 Resp: 28611

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.0	0.0	0.0

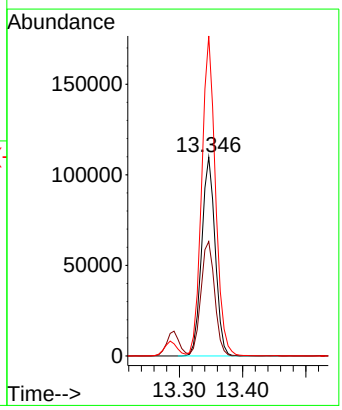


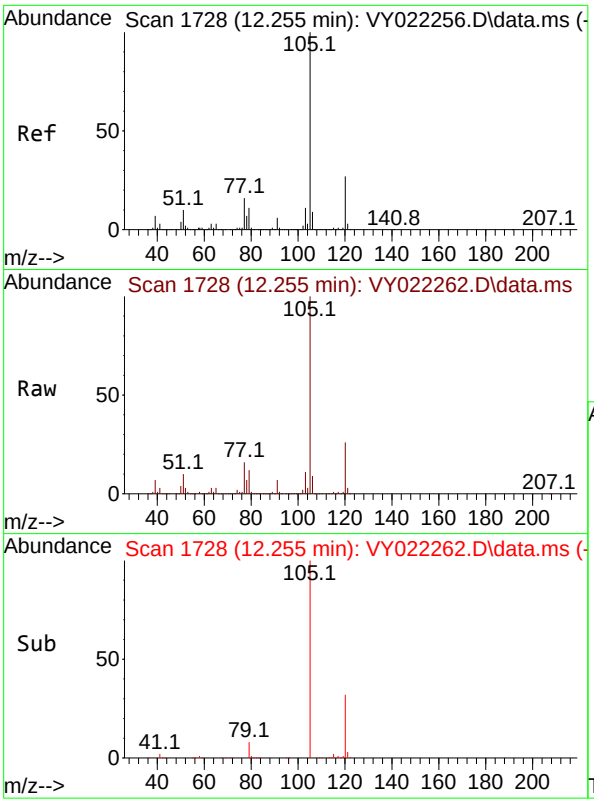


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:152 Resp: 163448

Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.4	88.2
150	164.2	0.0	353.8



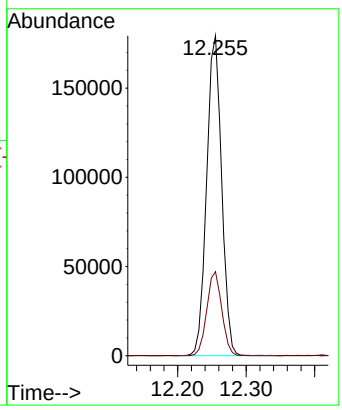


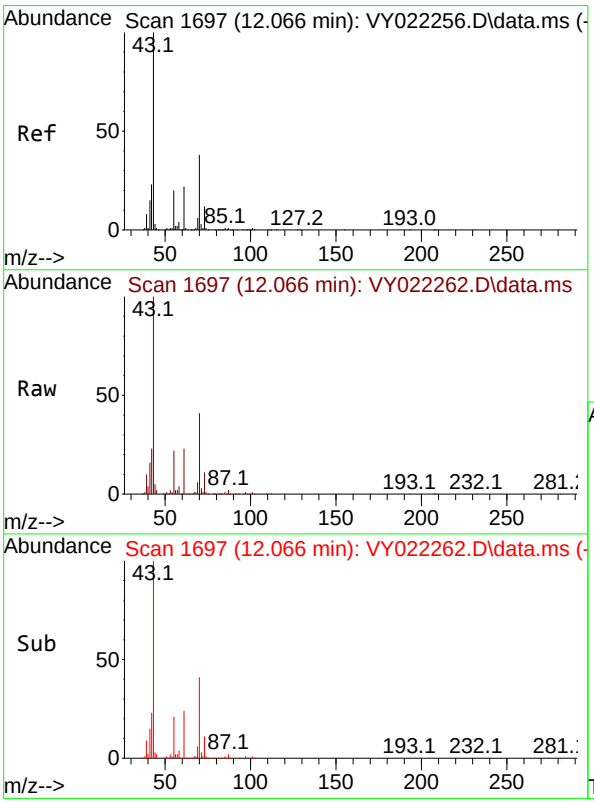
#73
Isopropylbenzene
Concen: 20.157 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:105 Resp: 272938

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

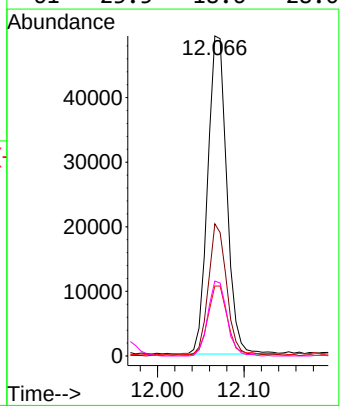


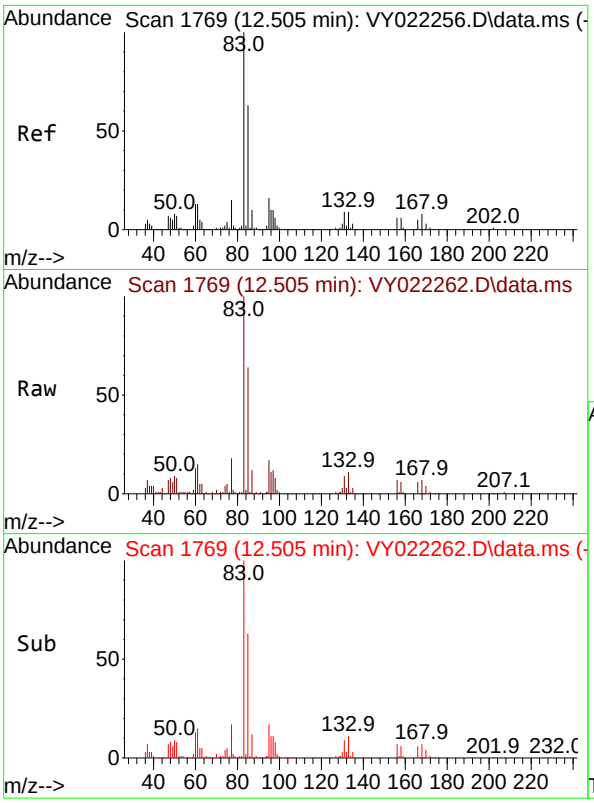


#74
N-amyl acetate
Concen: 19.483 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 43 Resp: 75451

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.4	47.0
55	21.9	17.0	25.6
61	23.5	18.6	28.0



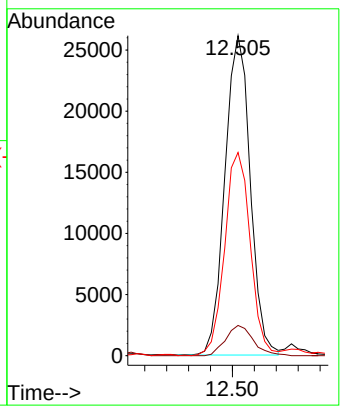


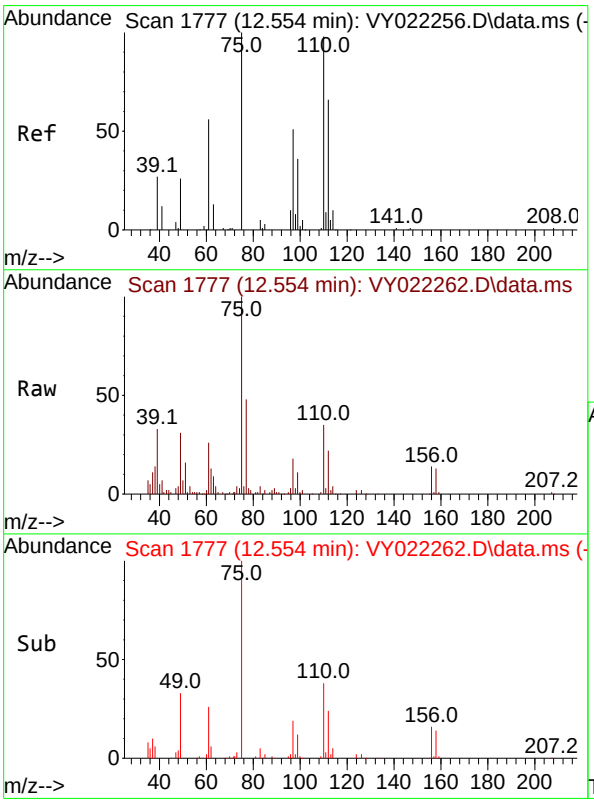
#75
1,1,2,2-Tetrachloroethane
Concen: 20.143 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 83 Resp: 41948

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.5	32.0	96.0

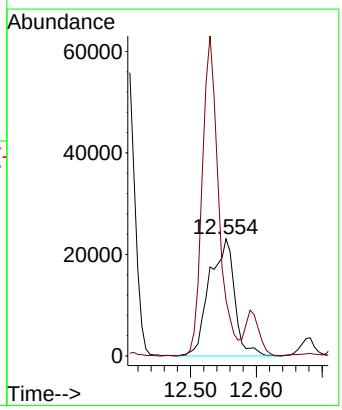


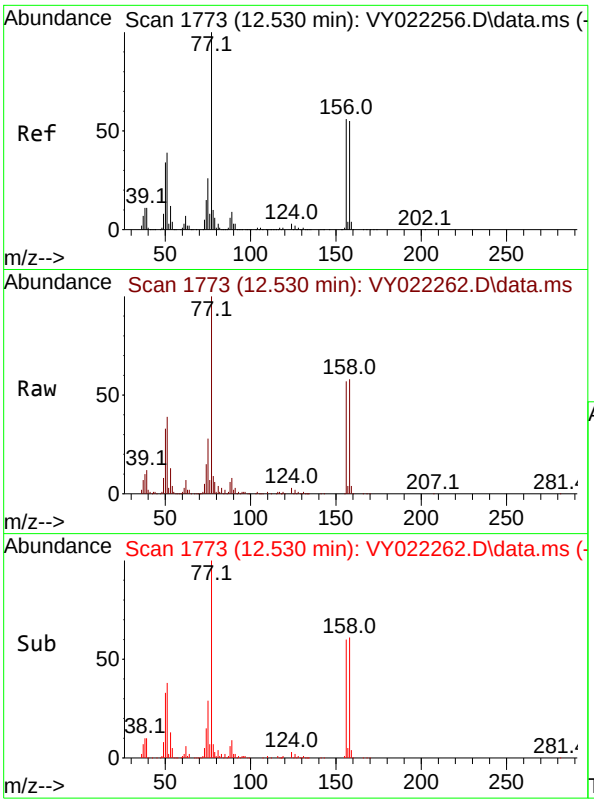


#76
1,2,3-Trichloropropane
Concen: 37.051 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 61352

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



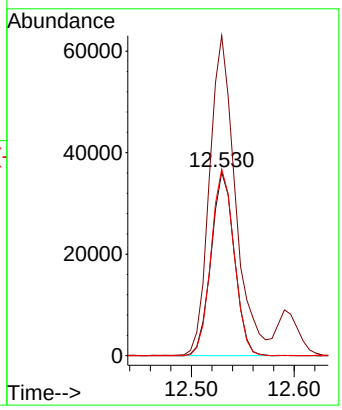


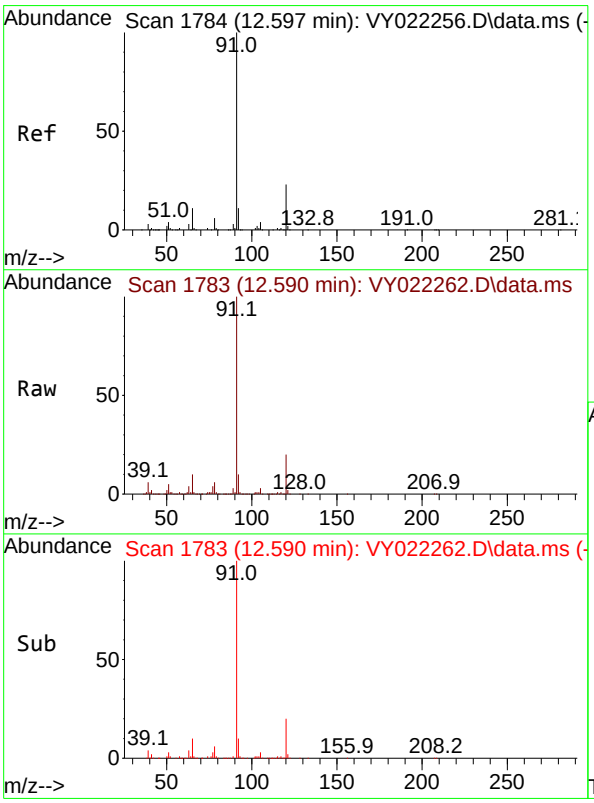
#77
Bromobenzene
Concen: 19.600 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:156 Resp: 56683

Ion	Ratio	Lower	Upper
156	100		
77	194.1	94.5	283.6
158	100.6	48.4	145.3

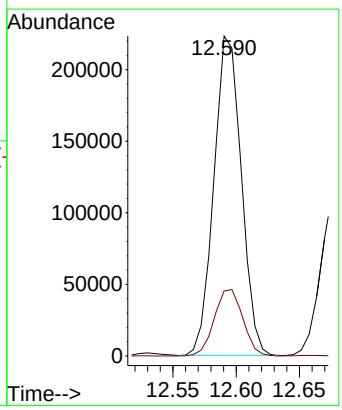


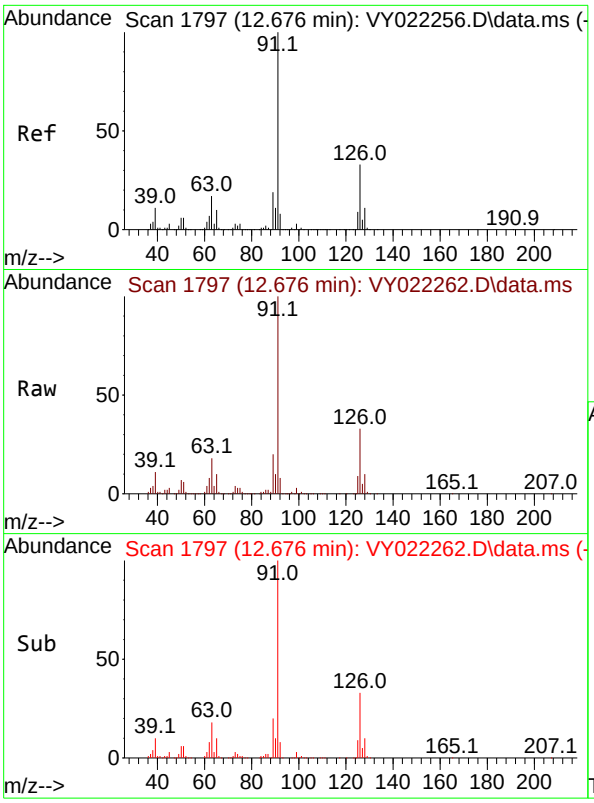


#78
n-propylbenzene
Concen: 20.598 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 91 Resp: 336430

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.3



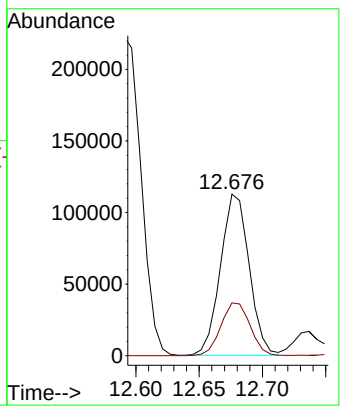


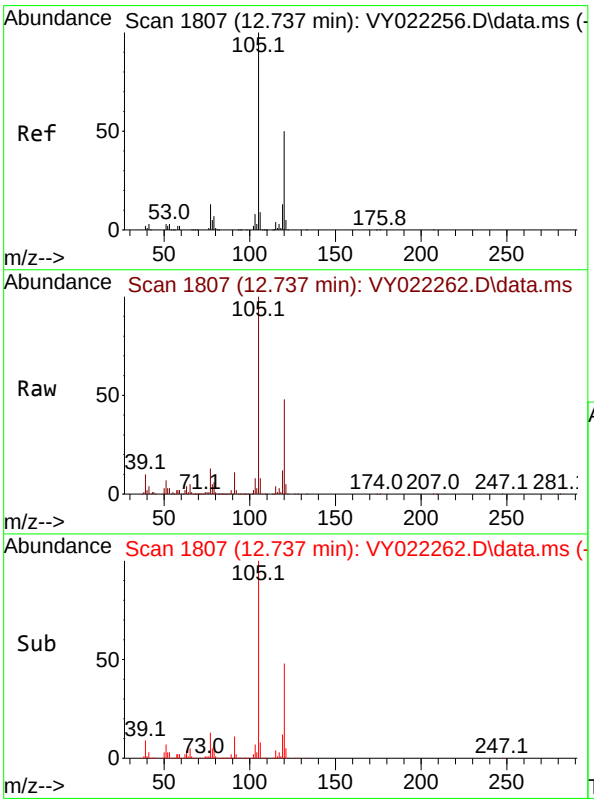
#79
2-Chlorotoluene
Concen: 19.817 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 91 Resp: 177870

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.4

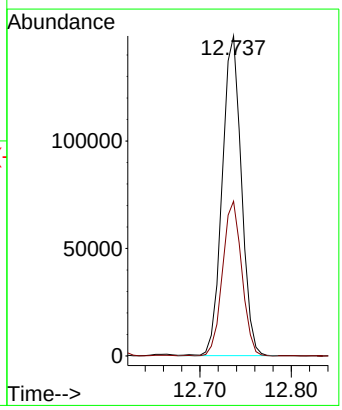


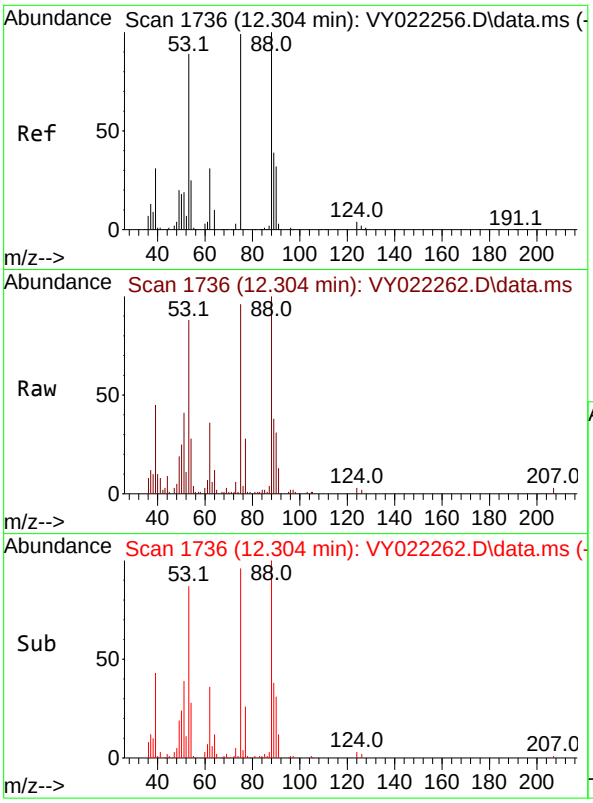


#80
1,3,5-Trimethylbenzene
Concen: 19.858 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:105 Resp: 217065

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6



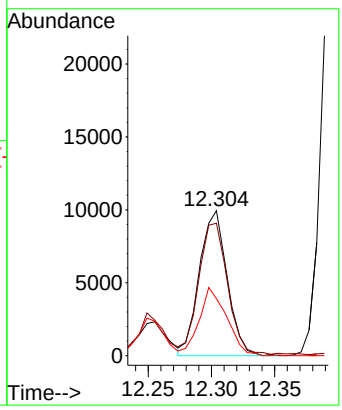


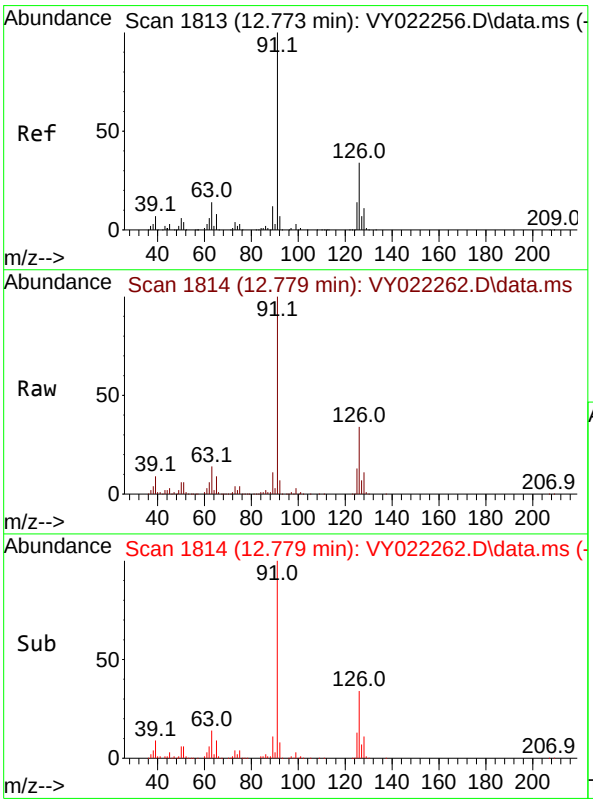
#81
trans-1,4-Dichloro-2-butene
Concen: 18.629 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 75 Resp: 15228

Ion	Ratio	Lower	Upper
75	100		
53	94.9	75.8	113.8
89	46.4	36.2	54.2

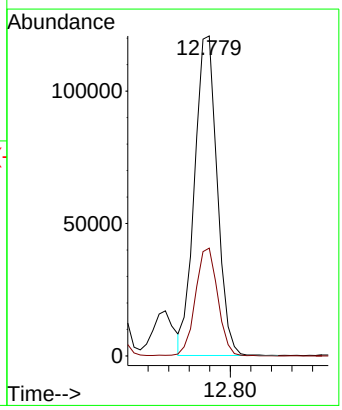


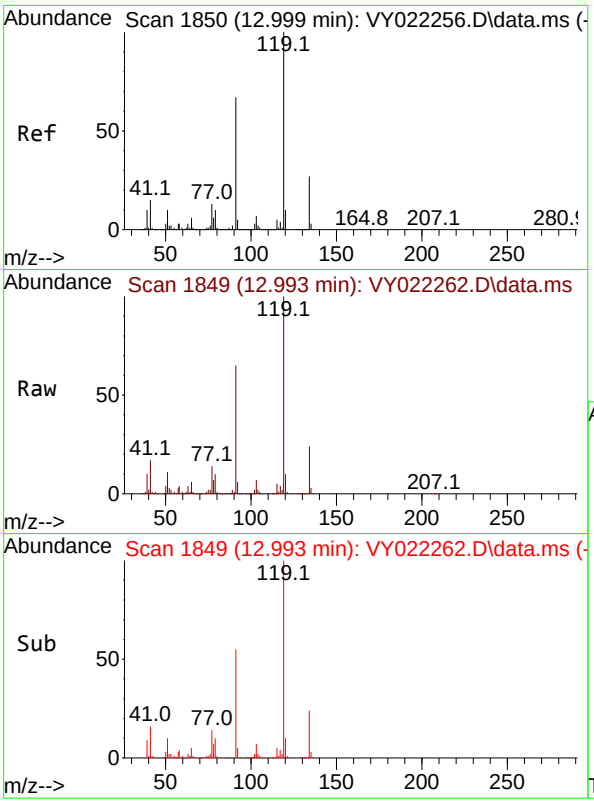


#82
4-Chlorotoluene
Concen: 19.935 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 91 Resp: 184041

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



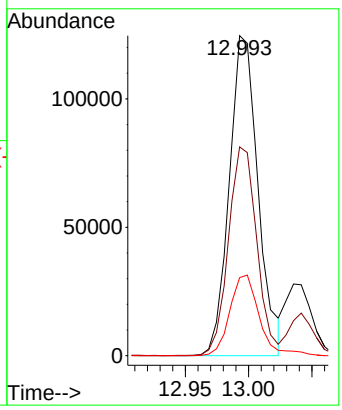


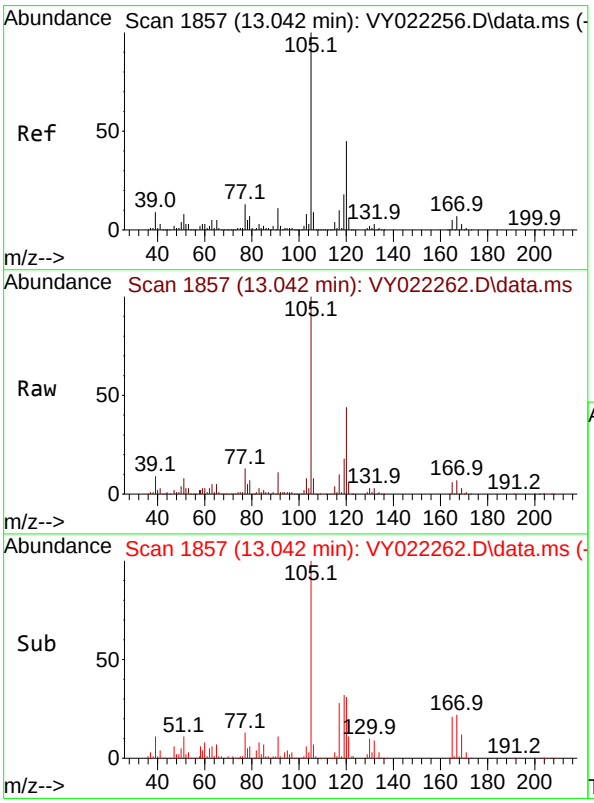
#83
tert-Butylbenzene
Concen: 20.324 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:119 Resp: 197455

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.8	98.3
134	25.8	12.9	38.6

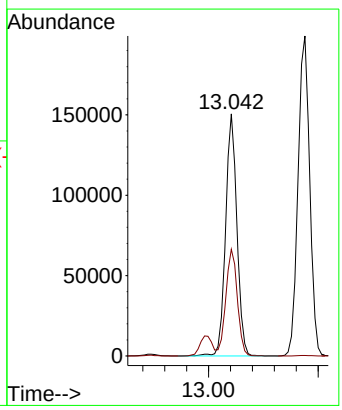


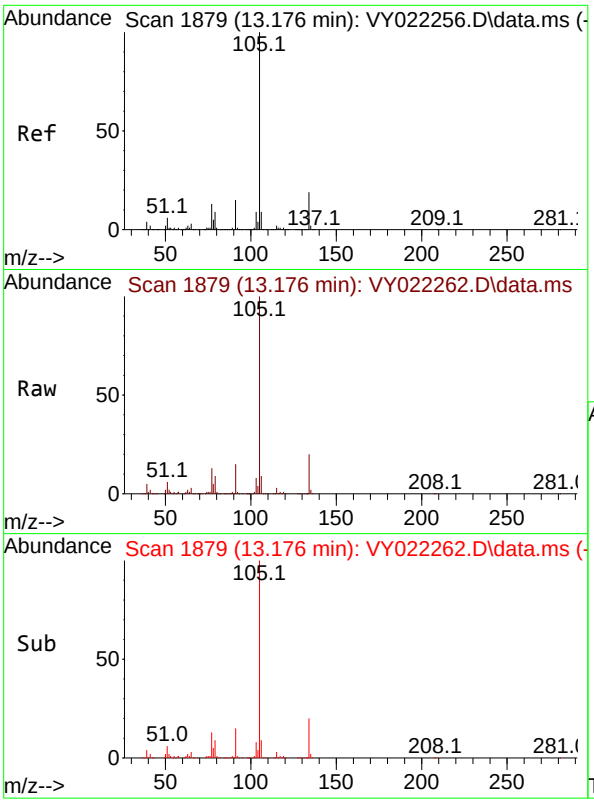


#84
1,2,4-Trimethylbenzene
Concen: 19.988 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:105 Resp: 216888

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9



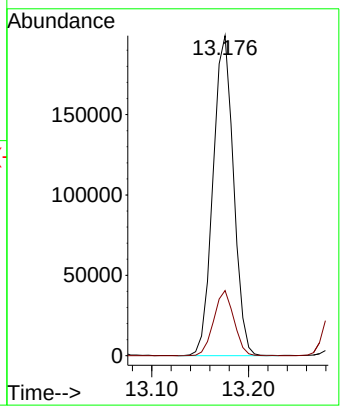


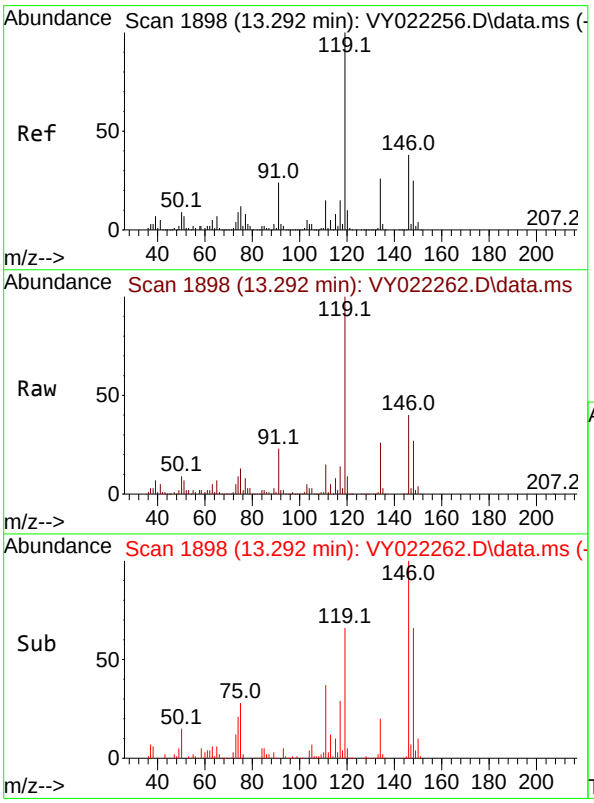
#85
sec-Butylbenzene
Concen: 20.300 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:105 Resp: 292767

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

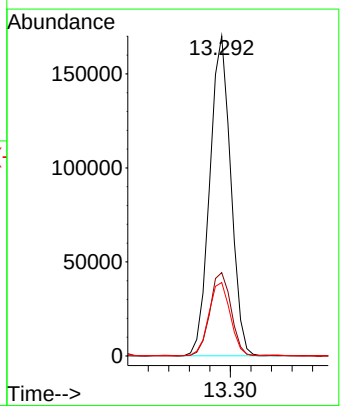


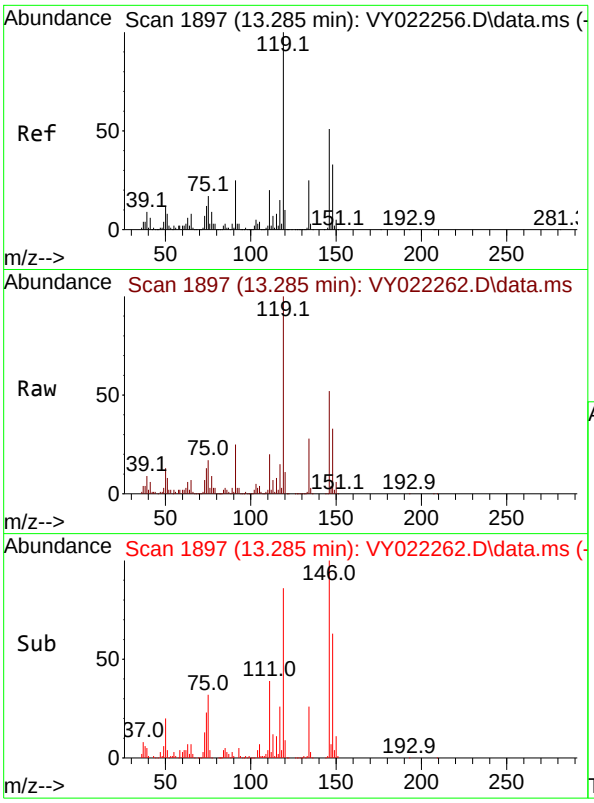


#86
p-Isopropyltoluene
Concen: 19.905 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:119 Resp: 241434

Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.6
91	23.6	12.1	36.3



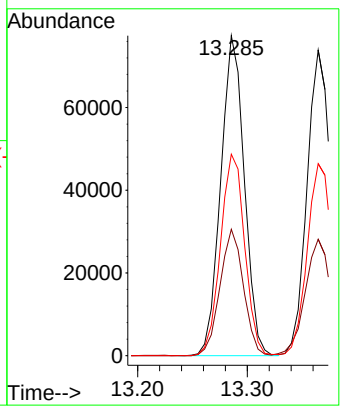


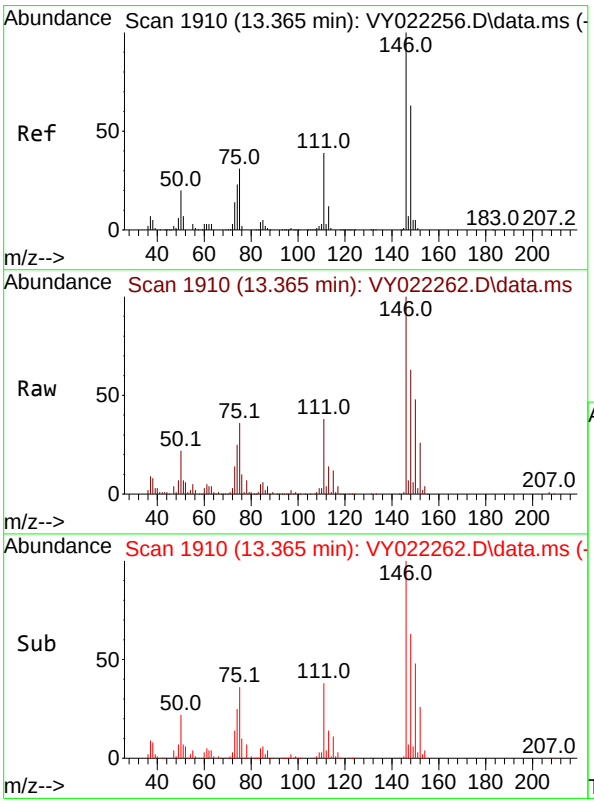
#87
1,3-Dichlorobenzene
Concen: 19.611 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:146 Resp: 115782

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	64.6	31.9	95.7

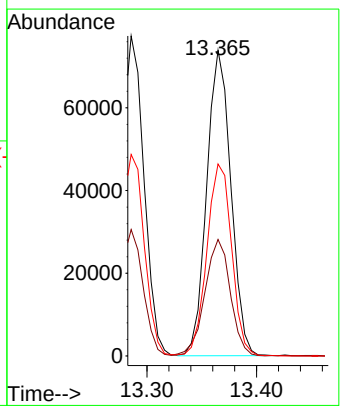


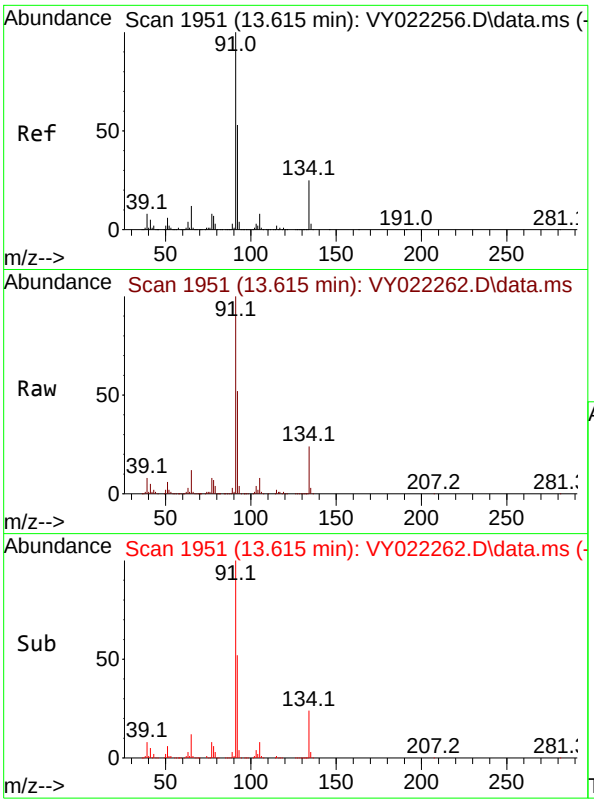


#88
1,4-Dichlorobenzene
Concen: 19.924 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:146 Resp: 113146

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.5	32.1	96.5



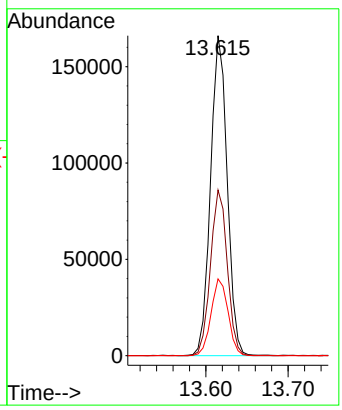


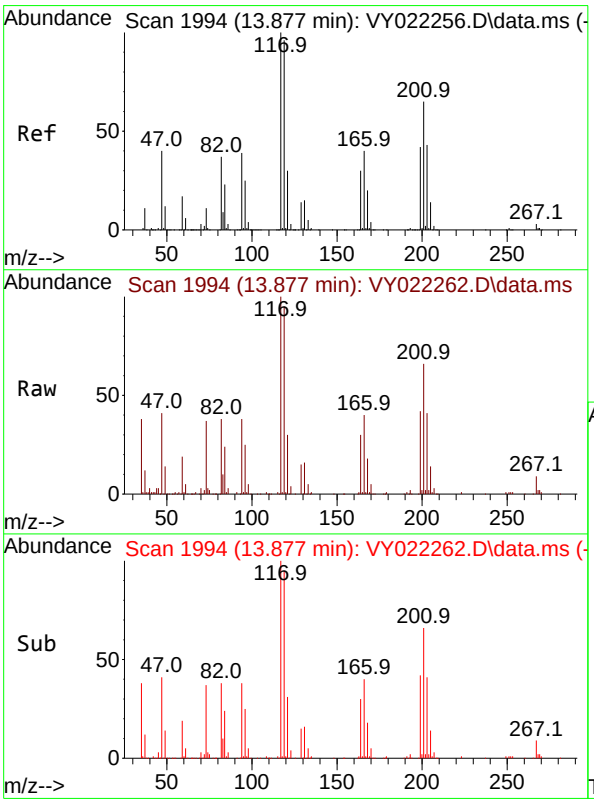
#89
n-Butylbenzene
Concen: 20.370 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion: 91 Resp: 233741

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	24.5	12.4	37.4

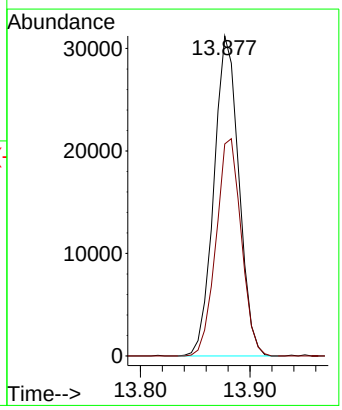


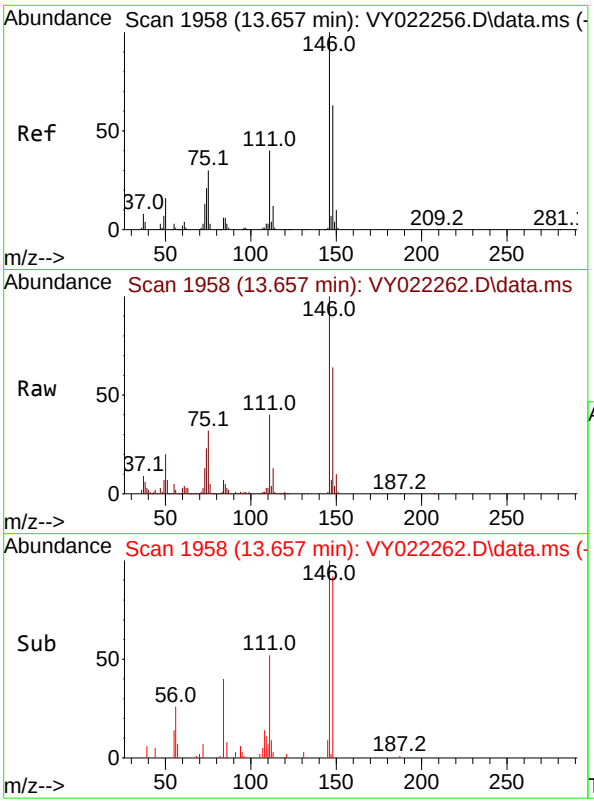


#90
Hexachloroethane
Concen: 20.160 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:117 Resp: 49361

Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6



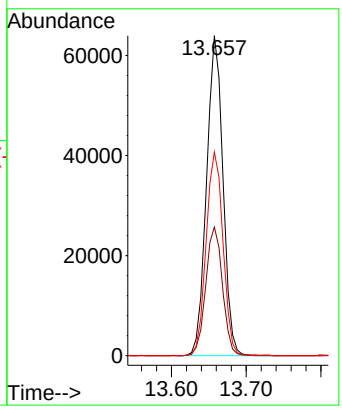


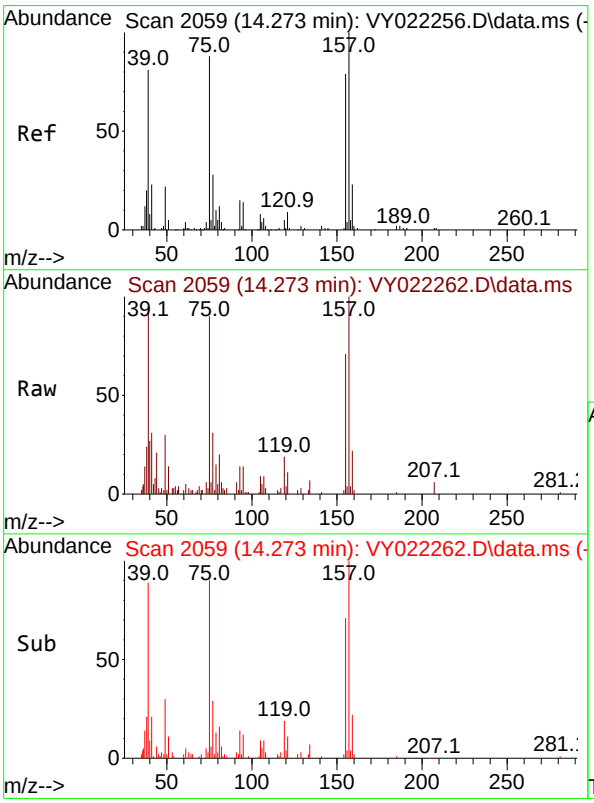
#91
1,2-Dichlorobenzene
Concen: 19.678 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:146 Resp: 97586

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	65.3	32.0	96.0

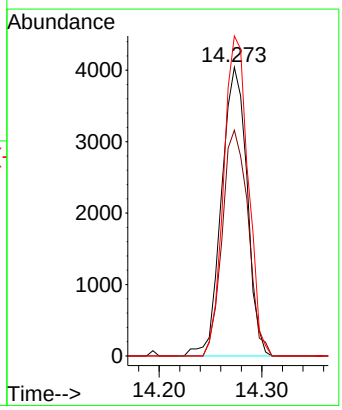


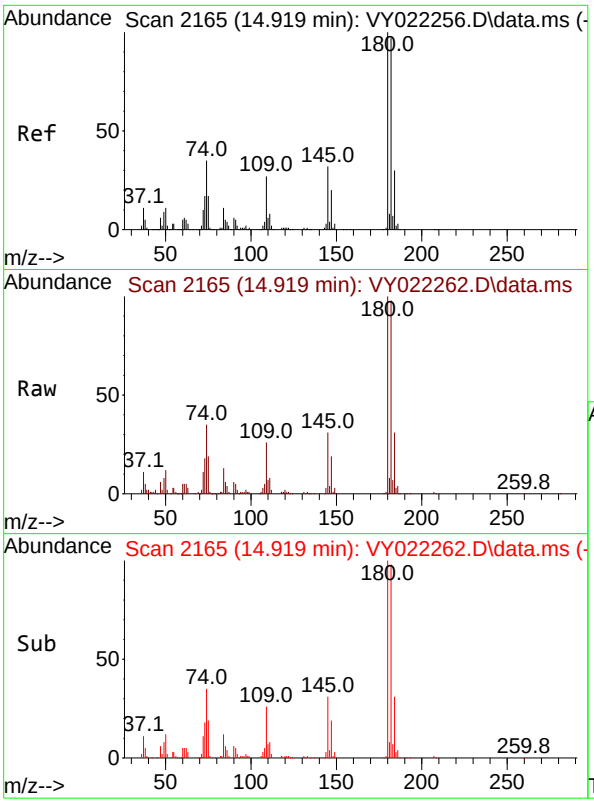


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.726 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion: 75 Resp: 6960

Ion	Ratio	Lower	Upper
75	100		
155	79.0	43.4	130.1
157	106.6	54.6	163.9



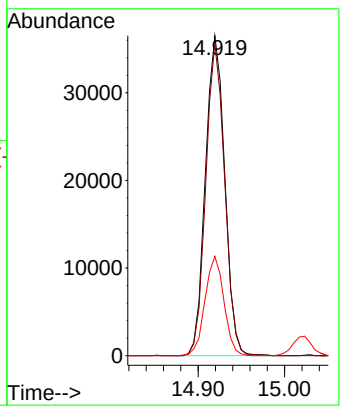


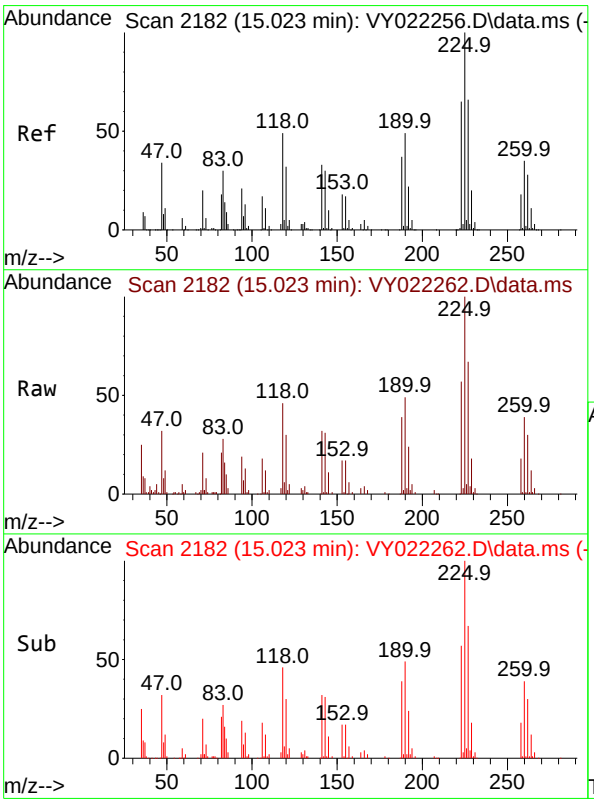
#93
1,2,4-Trichlorobenzene
Concen: 19.768 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:180 Resp: 56627

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	30.4	15.0	45.1

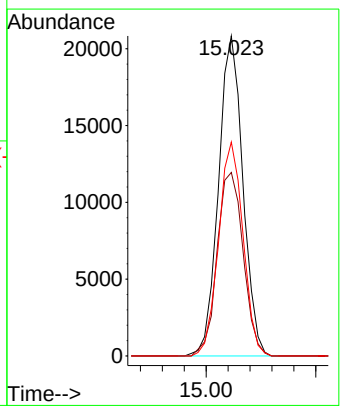


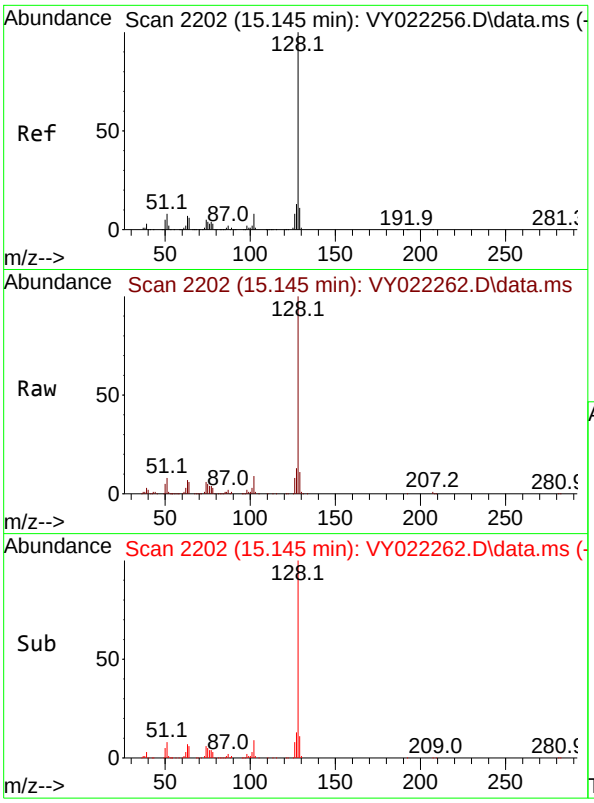


#94
Hexachlorobutadiene
Concen: 20.155 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:225 Resp: 32198

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.5	94.5
227	66.9	32.1	96.3



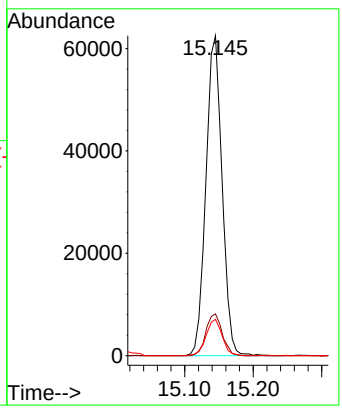


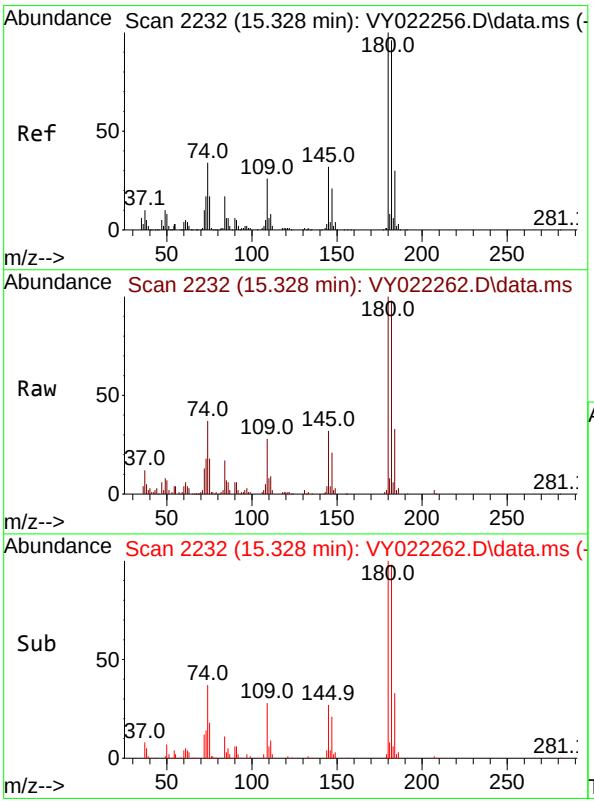
#95
Naphthalene
Concen: 18.892 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBS01

Tgt Ion:128 Resp: 102697

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.3	8.8	13.2

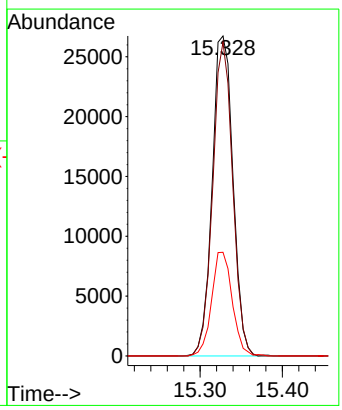




#96
1,2,3-Trichlorobenzene
Concen: 19.376 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022262.D
Acq: 15 May 2025 14:07

Tgt Ion:180 Resp: 47086

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.1	141.3
145	32.2	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	402031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	341987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135626	51.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.634	113	123255	51.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.103	98	503583	51.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	156883	50.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	53122	21.308	ug/l	100
3) Chloromethane	2.062	50	120806	23.036	ug/l	99
4) Vinyl Chloride	2.202	62	133825	22.841	ug/l	95
5) Bromomethane	2.586	94	115963	24.313	ug/l	97
6) Chloroethane	2.726	64	81580	22.381	ug/l	99
7) Trichlorofluoromethane	3.050	101	131275	22.130	ug/l	97
8) Diethyl Ether	3.452	74	30102	21.145	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	53293	20.694	ug/l	99
10) Methyl Iodide	4.001	142	56585	18.984	ug/l	98
11) Tert butyl alcohol	4.872	59	22281	111.741	ug/l #	100
12) 1,1-Dichloroethene	3.781	96	51053	19.977	ug/l	99
13) Acrolein	3.653	56	29646	101.701	ug/l	95
14) Allyl chloride	4.379	41	90707	20.242	ug/l	98
15) Acrylonitrile	5.061	53	63262	107.846	ug/l	100
16) Acetone	3.873	43	49080	100.243	ug/l	97
17) Carbon Disulfide	4.104	76	170931	20.511	ug/l	100
18) Methyl Acetate	4.385	43	32845	21.277	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	147866	20.984	ug/l	100
20) Methylene Chloride	4.616	84	67252	21.257	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	58391	20.700	ug/l	97
22) Diisopropyl ether	6.019	45	191390	20.225	ug/l	99
23) Vinyl Acetate	5.958	43	582104	101.820	ug/l	99
24) 1,1-Dichloroethane	5.915	63	107336	20.303	ug/l	99
25) 2-Butanone	6.896	43	84807	103.553	ug/l	94
26) 2,2-Dichloropropane	6.884	77	94109	20.013	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	65488	20.118	ug/l	99
28) Bromochloromethane	7.244	49	45781	20.301	ug/l	100
29) Tetrahydrofuran	7.262	42	57613	109.345	ug/l	98
30) Chloroform	7.421	83	103980	20.505	ug/l	97
31) Cyclohexane	7.695	56	104972	19.873	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	93522	20.102	ug/l	99
36) 1,1-Dichloropropene	7.835	75	78647	19.899	ug/l	99
37) Ethyl Acetate	6.982	43	41008	21.564	ug/l	98
38) Carbon Tetrachloride	7.817	117	80942	19.785	ug/l	98
39) Methylcyclohexane	9.109	83	105996	19.962	ug/l	98
40) Benzene	8.079	78	234747	20.035	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	20638	16.360	ug/l	#	82
42) 1,2-Dichloroethane	8.158	62	64565	20.377	ug/l		99
43) Isopropyl Acetate	8.195	43	86552	20.869	ug/l		98
44) Trichloroethene	8.866	130	57705	19.807	ug/l		97
45) 1,2-Dichloropropane	9.140	63	56246	19.911	ug/l		99
46) Dibromomethane	9.231	93	31011	20.354	ug/l		99
47) Bromodichloromethane	9.420	83	80217	20.295	ug/l		97
48) Methyl methacrylate	9.219	41	39908	20.576	ug/l		99
49) 1,4-Dioxane	9.237	88	7653	444.632	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	213720	105.023	ug/l		98
52) Toluene	10.170	92	144686	19.501	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	76950	19.949	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	88052	19.924	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	40220	20.615	ug/l		94
56) Ethyl methacrylate	10.438	69	62553	20.583	ug/l		99
57) 1,3-Dichloropropane	10.719	76	71496	20.625	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	129032	94.593	ug/l		99
59) 2-Hexanone	10.762	43	142594	104.509	ug/l		99
60) Dibromochloromethane	10.908	129	51719	20.424	ug/l		98
61) 1,2-Dibromoethane	11.012	107	37293	20.509	ug/l		96
64) Tetrachloroethene	10.646	164	62797	19.866	ug/l		96
65) Chlorobenzene	11.438	112	153929	19.950	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	50248	18.944	ug/l		97
67) Ethyl Benzene	11.518	91	283493	19.619	ug/l		98
68) m/p-Xylenes	11.627	106	212811	39.085	ug/l		98
69) o-Xylene	11.950	106	101365	19.677	ug/l		97
70) Styrene	11.969	104	168741	19.418	ug/l		99
71) Bromoform	12.127	173	29512	20.613	ug/l	#	98
73) Isopropylbenzene	12.255	105	261986	19.627	ug/l		100
74) N-amyl acetate	12.066	43	79208	20.747	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	43741	21.307	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	62657	38.384	ug/l	#	100
77) Bromobenzene	12.530	156	55800	19.572	ug/l		98
78) n-propylbenzene	12.591	91	317668	19.730	ug/l		99
79) 2-Chlorotoluene	12.676	91	172805	19.530	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	208067	19.309	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	16041	19.907	ug/l		99
82) 4-Chlorotoluene	12.773	91	178952	19.663	ug/l		100
83) tert-Butylbenzene	12.993	119	190568	19.898	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	210149	19.646	ug/l		99
85) sec-Butylbenzene	13.176	105	281045	19.768	ug/l		99
86) p-Isopropyltoluene	13.292	119	233015	19.488	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	112481	19.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	111832	19.976	ug/l		99
89) n-Butylbenzene	13.615	91	225170	19.906	ug/l		99
90) Hexachloroethane	13.877	117	47537	19.695	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	97586	19.962	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7093	21.427	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	58146	20.591	ug/l		98
94) Hexachlorobutadiene	15.023	225	33000	20.955	ug/l		98
95) Naphthalene	15.145	128	111947	20.890	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	50425	21.049	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

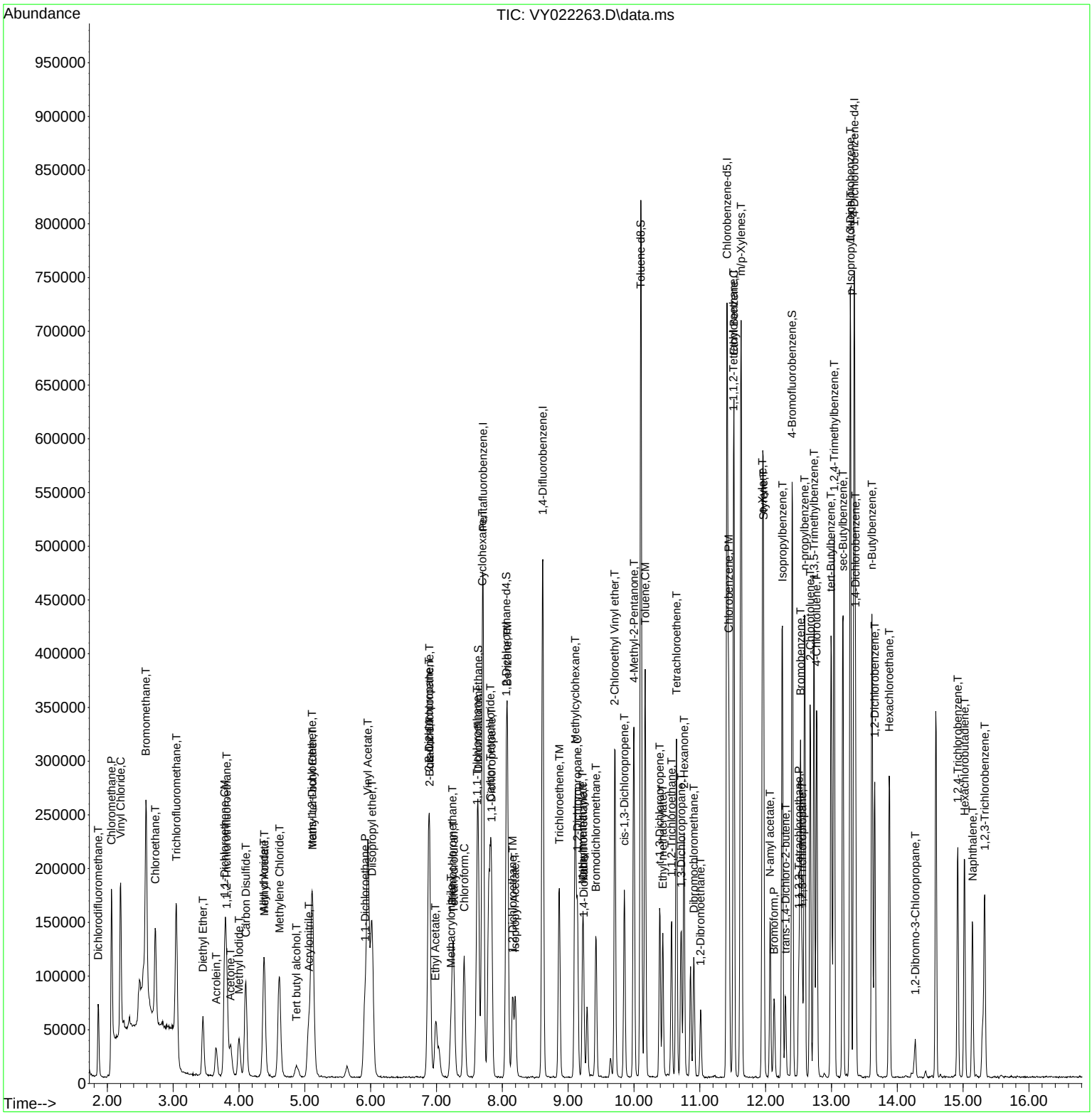
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

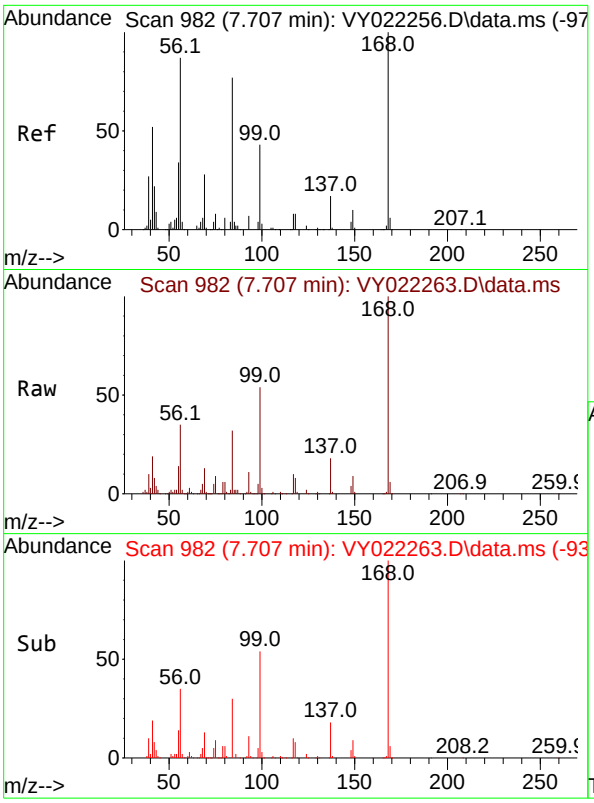
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022263.D
Acq On : 15 May 2025 14:29
Operator : SY/MD
Sample : VY0515SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Quant Time: May 16 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



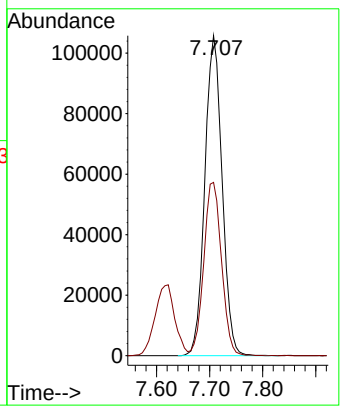


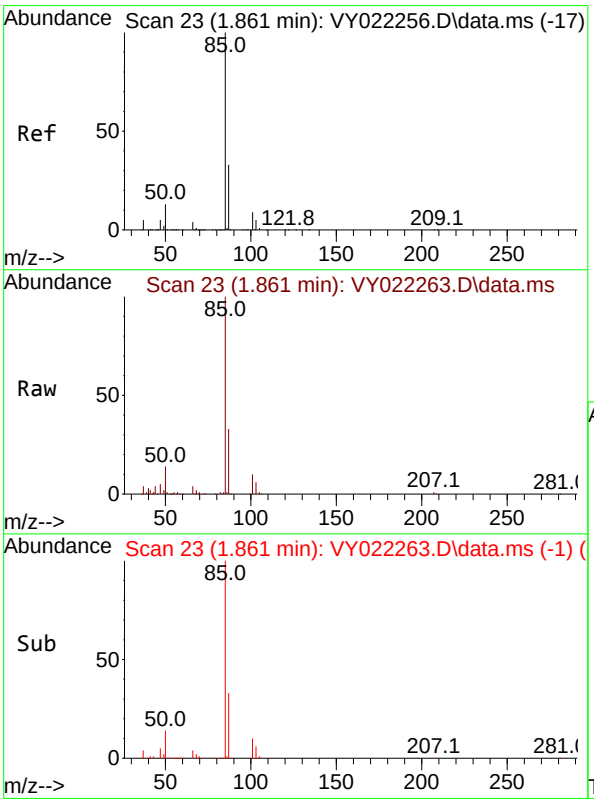
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:168 Resp: 238919

Ion	Ratio	Lower	Upper
168	100		
99	54.2	44.2	66.4

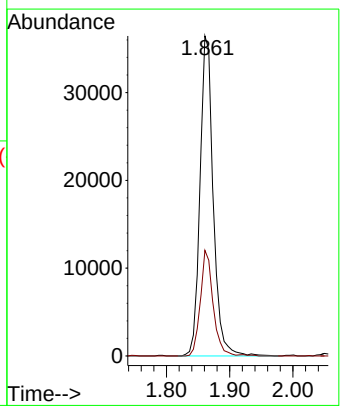


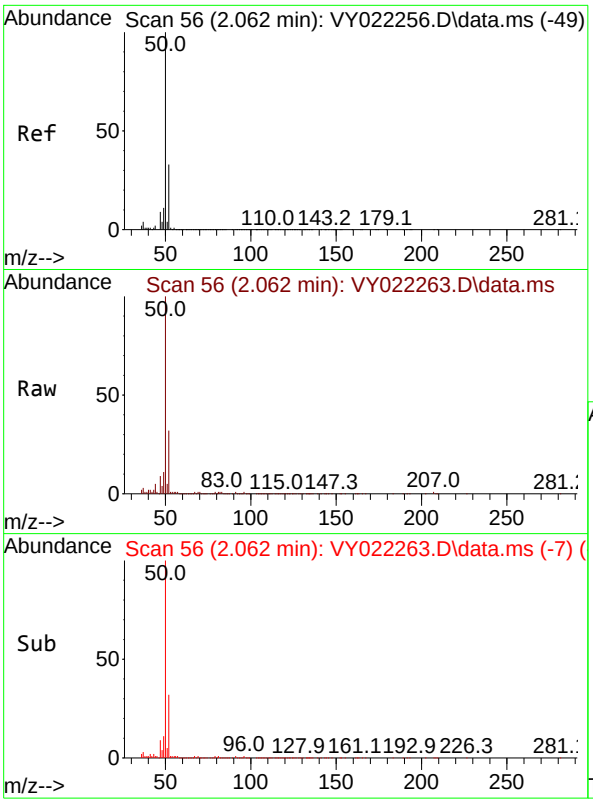


#2
Dichlorodifluoromethane
Concen: 21.308 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 85 Resp: 53122

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5



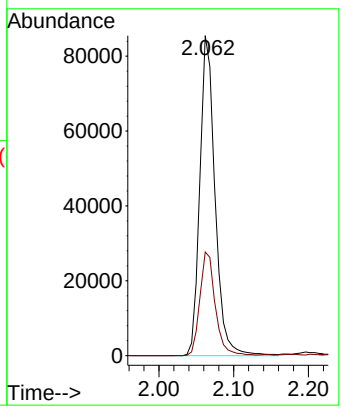


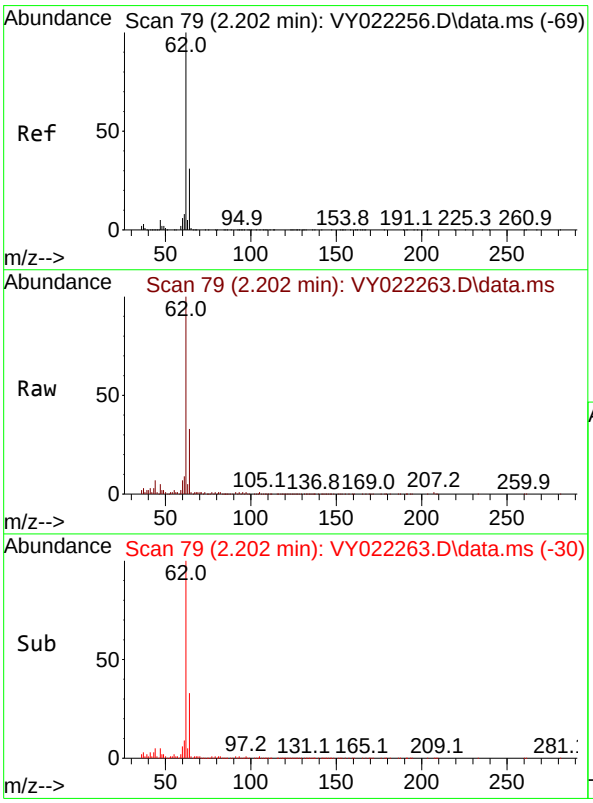
#3
Chloromethane
Concen: 23.036 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 50 Resp: 120806

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.5	39.7

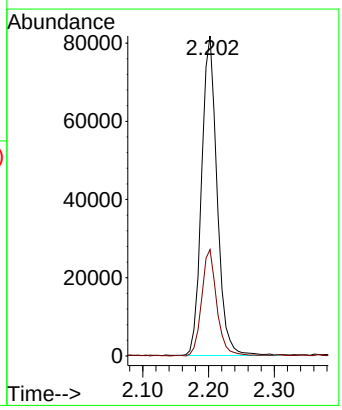


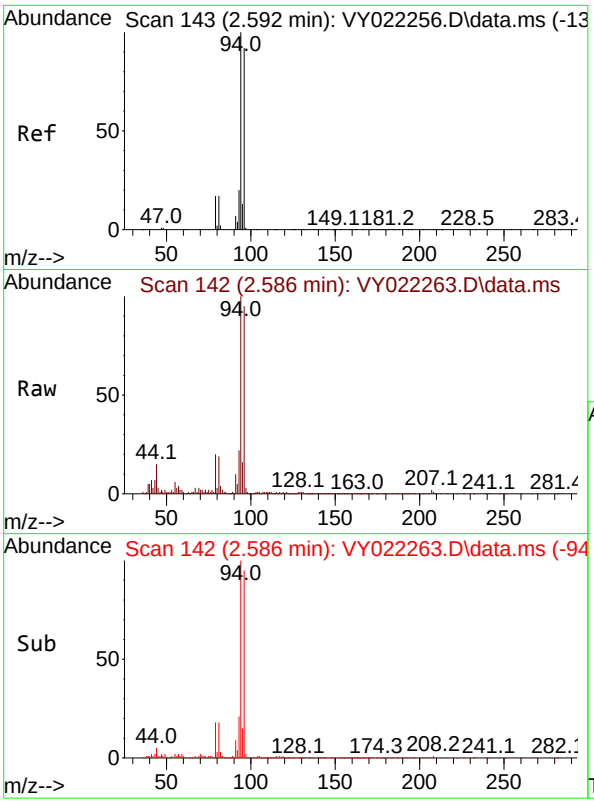


#4
Vinyl Chloride
Concen: 22.841 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 62 Resp: 133825

Ion	Ratio	Lower	Upper
62	100		
64	33.1	24.5	36.7



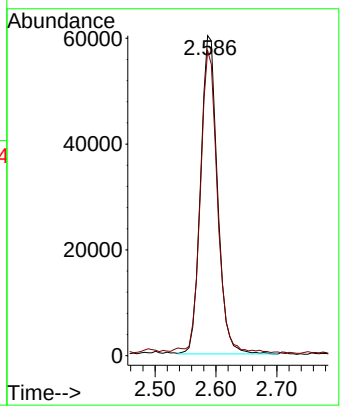


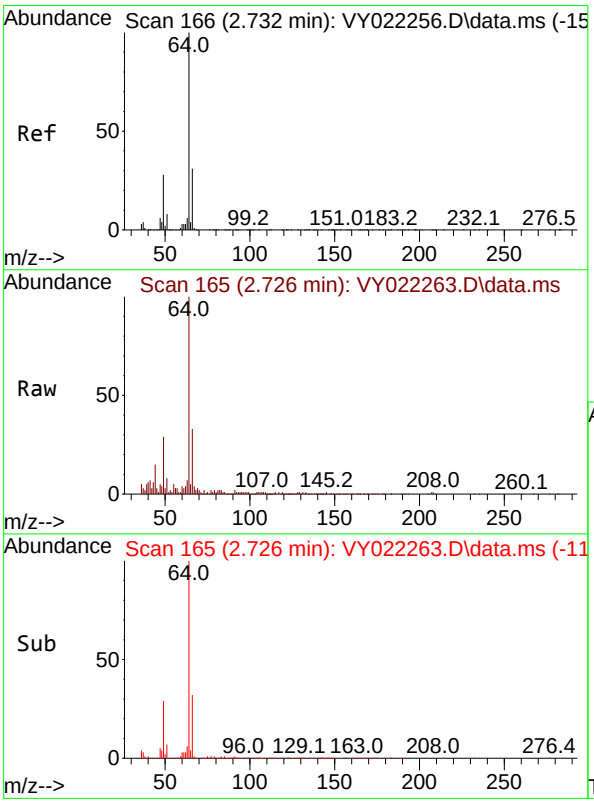
#5
Bromomethane
Concen: 24.313 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 94 Resp: 115963

Ion	Ratio	Lower	Upper
94	100		
96	94.7	73.4	110.0

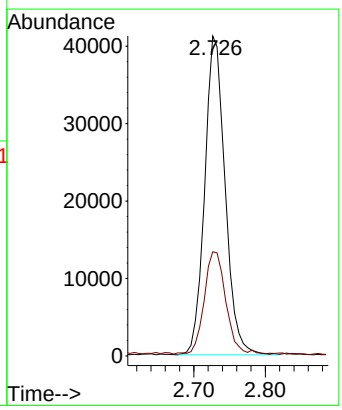


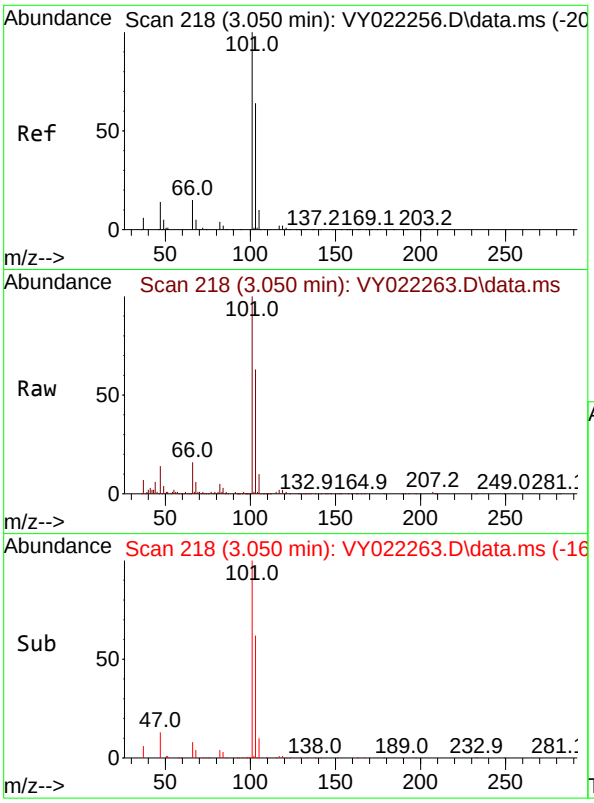


#6
Chloroethane
Concen: 22.381 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 64 Resp: 81580

Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.8	37.2



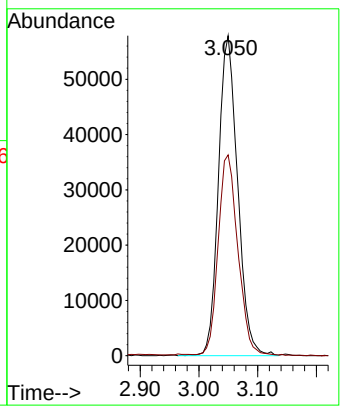


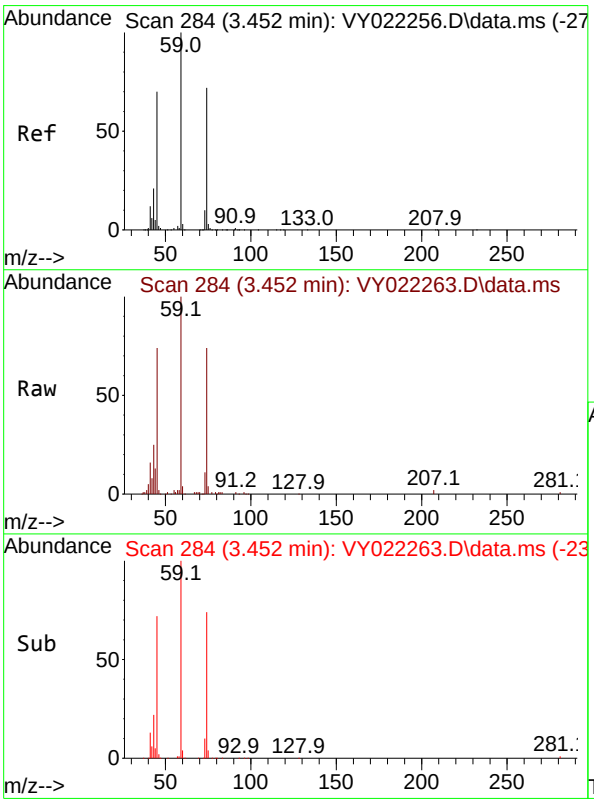
#7
Trichlorofluoromethane
Concen: 22.130 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:101 Resp: 131275

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.7	77.5

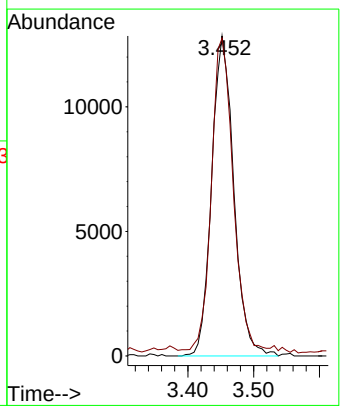


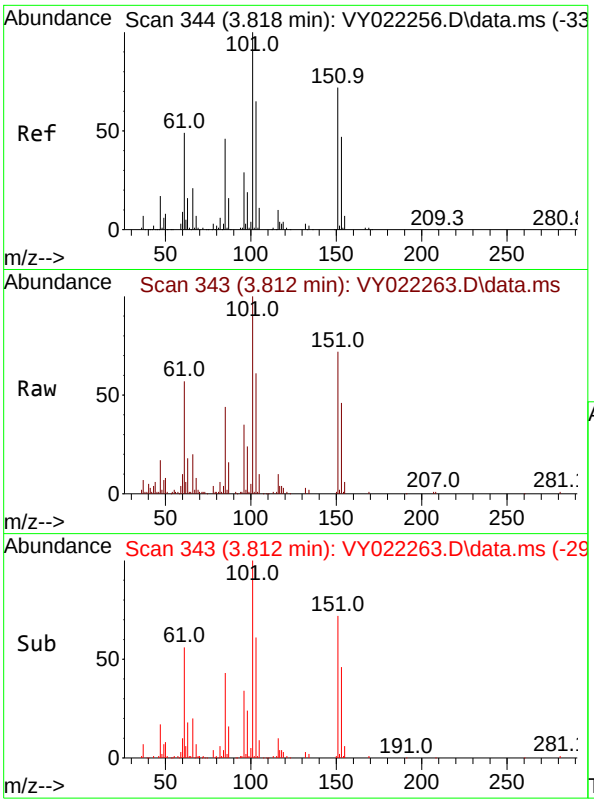


#8
Diethyl Ether
Concen: 21.145 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 74 Resp: 30102

Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.6	145.8



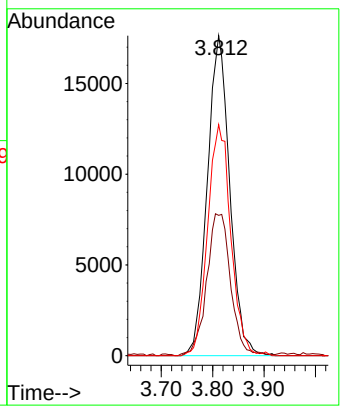


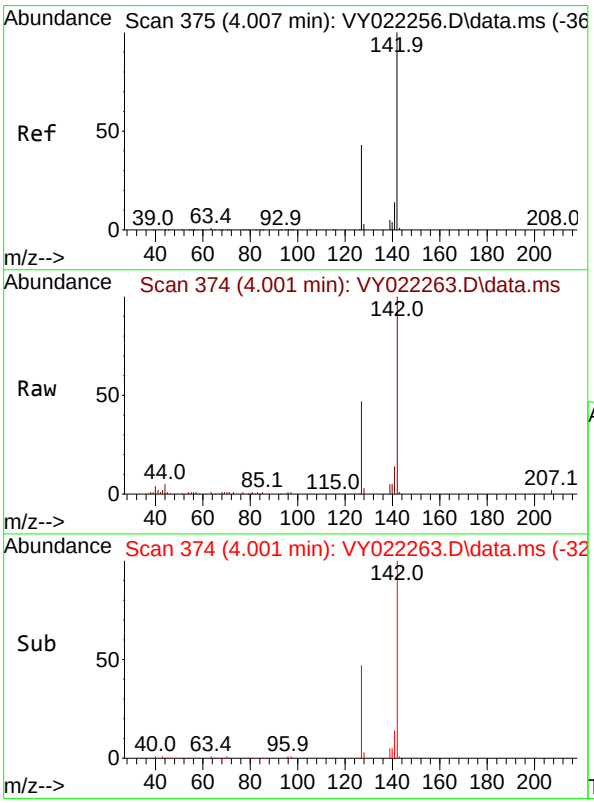
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.694 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:101 Resp: 53293

Ion	Ratio	Lower	Upper
101	100		
85	47.4	38.6	58.0
151	74.4	59.7	89.5

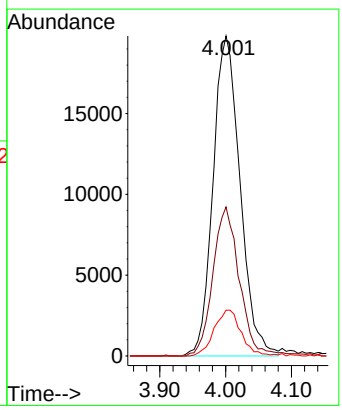


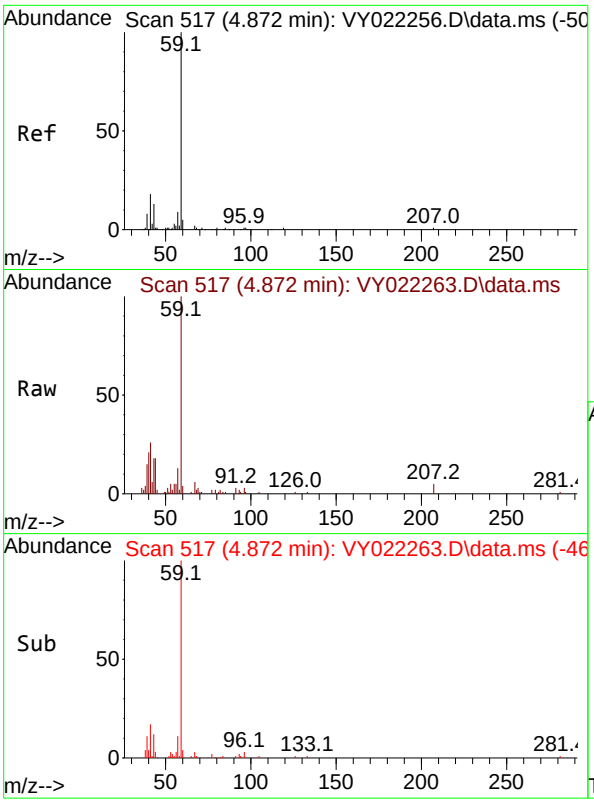


#10
Methyl Iodide
Concen: 18.984 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:142 Resp: 56585

Ion	Ratio	Lower	Upper
142	100		
127	46.1	35.7	53.5
141	14.2	11.1	16.7



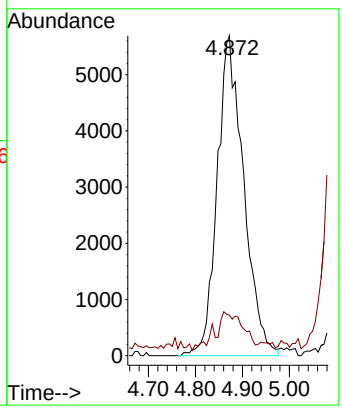


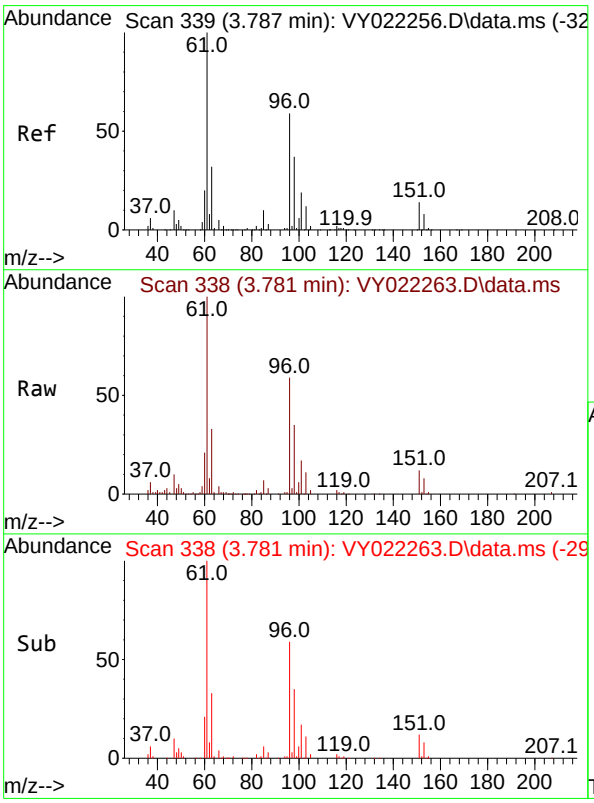
#11
Tert butyl alcohol
Concen: 111.741 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 59 Resp: 22281

Ion	Ratio	Lower	Upper
59	100		
57	8.4	0.0	0.0#

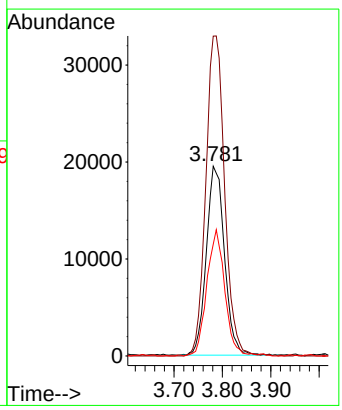


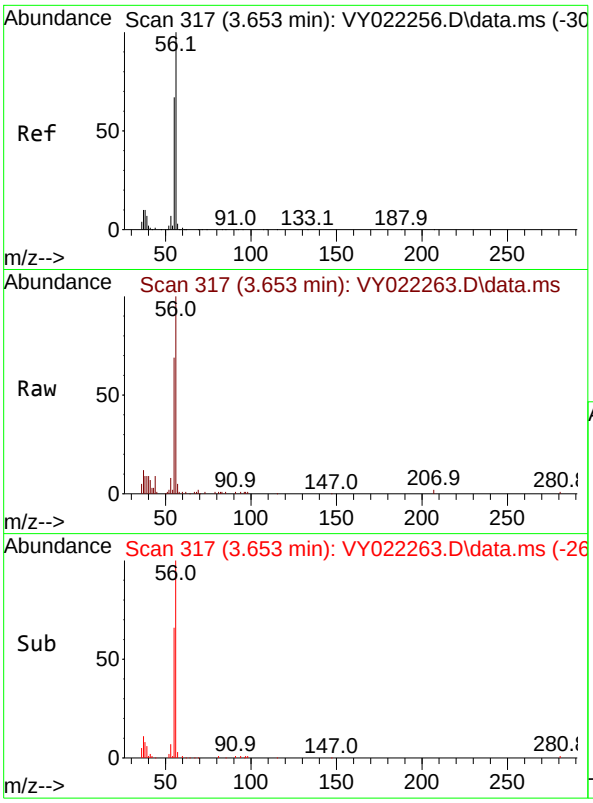


#12
1,1-Dichloroethene
Concen: 19.977 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 96 Resp: 51053

Ion	Ratio	Lower	Upper
96	100		
61	169.2	134.9	202.3
98	59.1	49.9	74.9



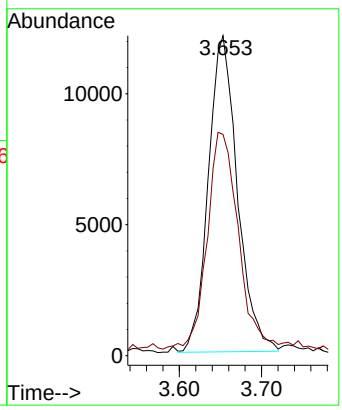


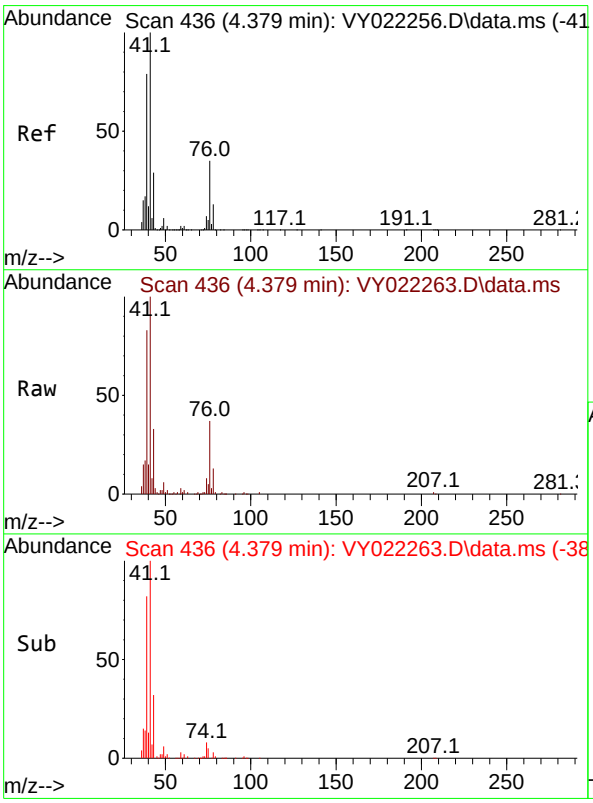
#13
Acrolein
Concen: 101.701 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 56 Resp: 29646

Ion	Ratio	Lower	Upper
56	100		
55	73.6	55.6	83.4

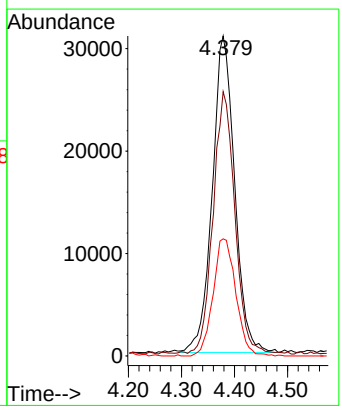


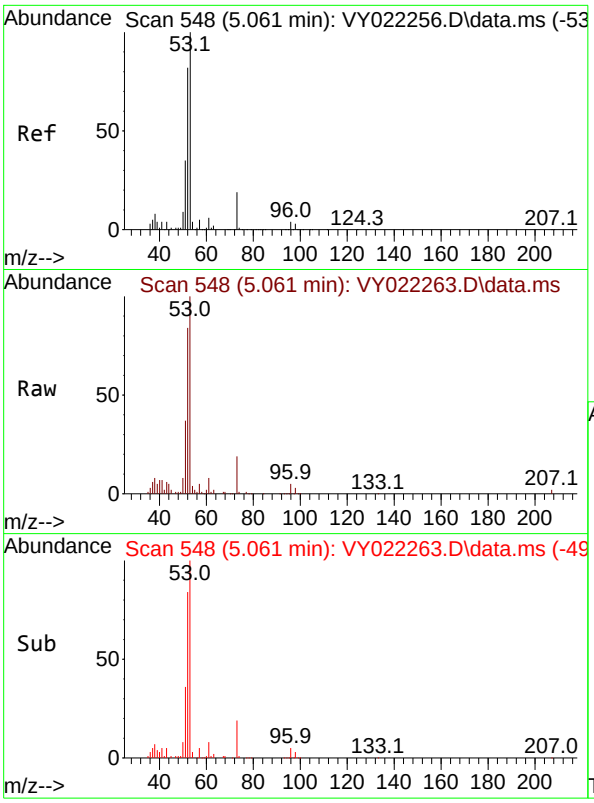


#14
Allyl chloride
Concen: 20.242 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 41 Resp: 90707

Ion	Ratio	Lower	Upper
41	100		
39	80.8	63.4	95.0
76	37.6	29.5	44.3



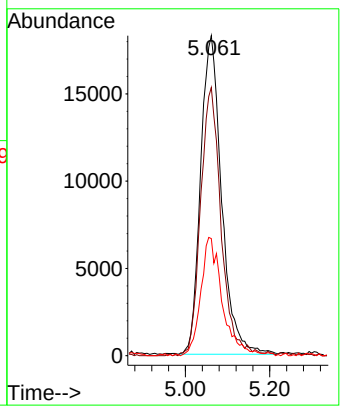


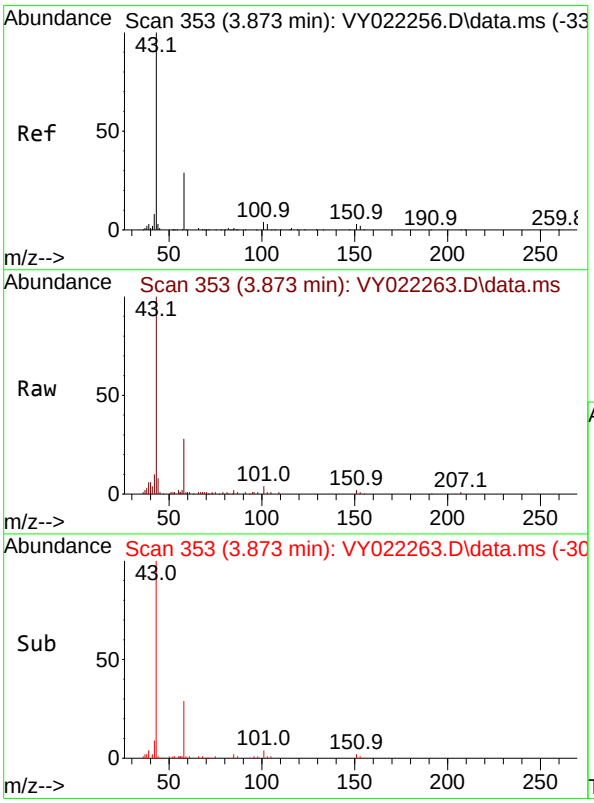
#15
Acrylonitrile
Concen: 107.846 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 53 Resp: 63262

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	38.0	30.0	45.0

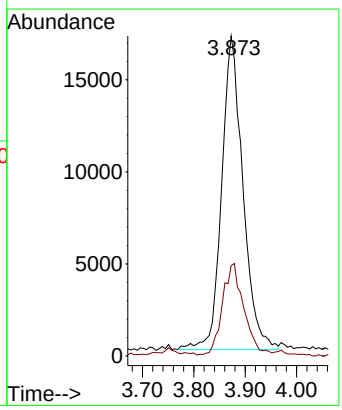


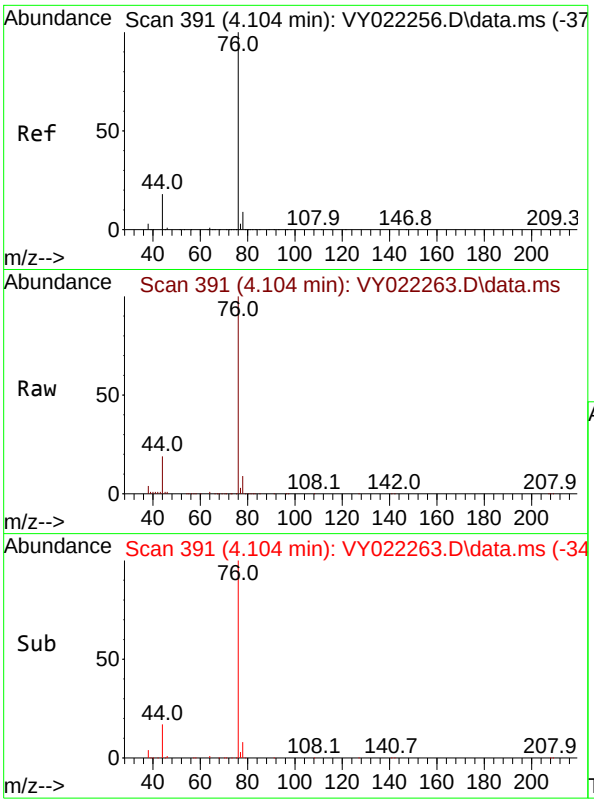


#16
Acetone
Concen: 100.243 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 49080

Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.6	35.4



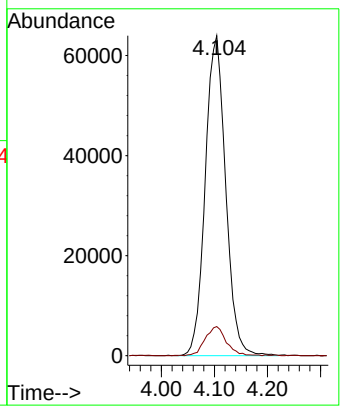


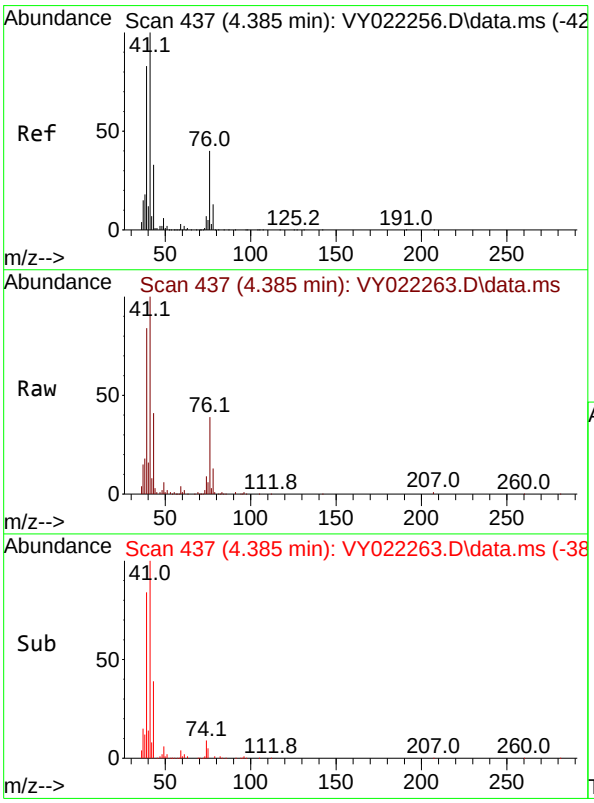
#17
Carbon Disulfide
Concen: 20.511 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 76 Resp: 170931

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

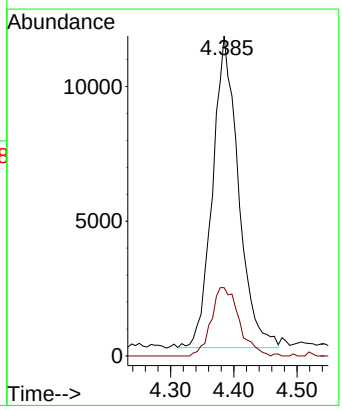


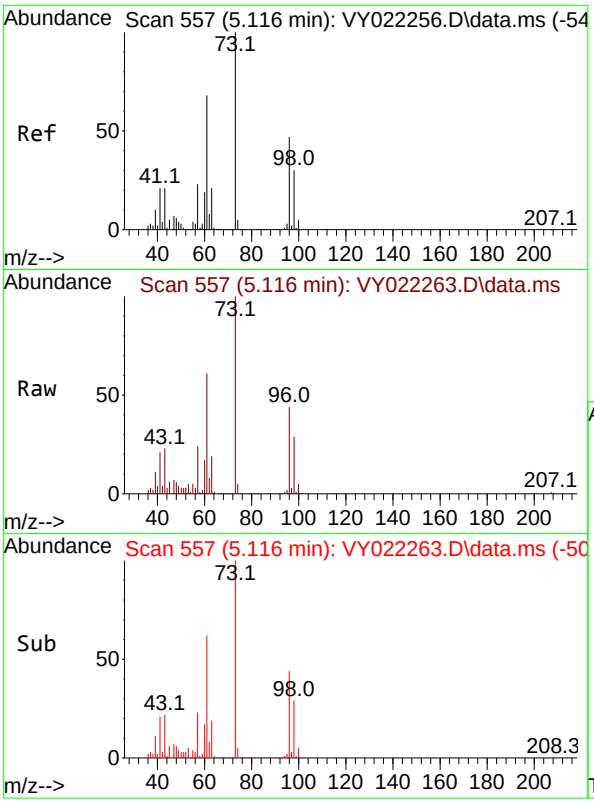


#18
Methyl Acetate
Concen: 21.277 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 32845

Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.2	27.4



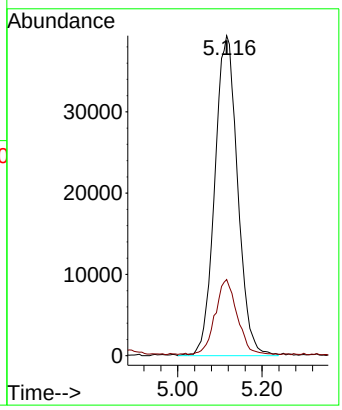


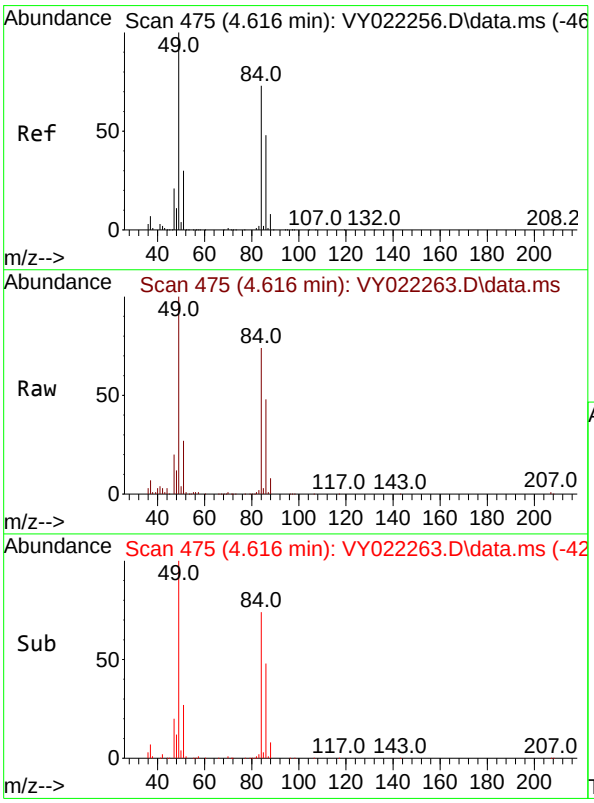
#19
Methyl tert-butyl Ether
Concen: 20.984 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 73 Resp: 147866

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.6	28.0

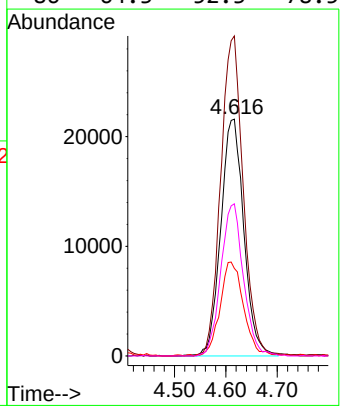


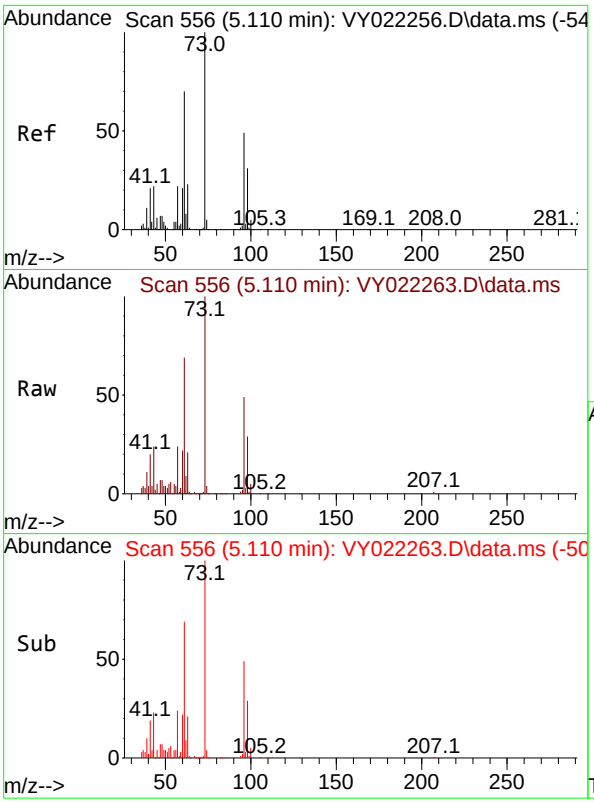


#20
Methylene Chloride
Concen: 21.257 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 84 Resp: 67252

Ion	Ratio	Lower	Upper
84	100		
49	135.1	109.6	164.4
51	36.5	32.4	48.6
86	64.3	52.3	78.5



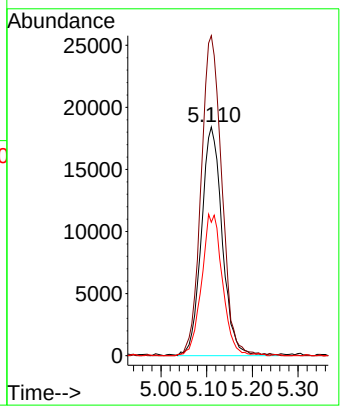


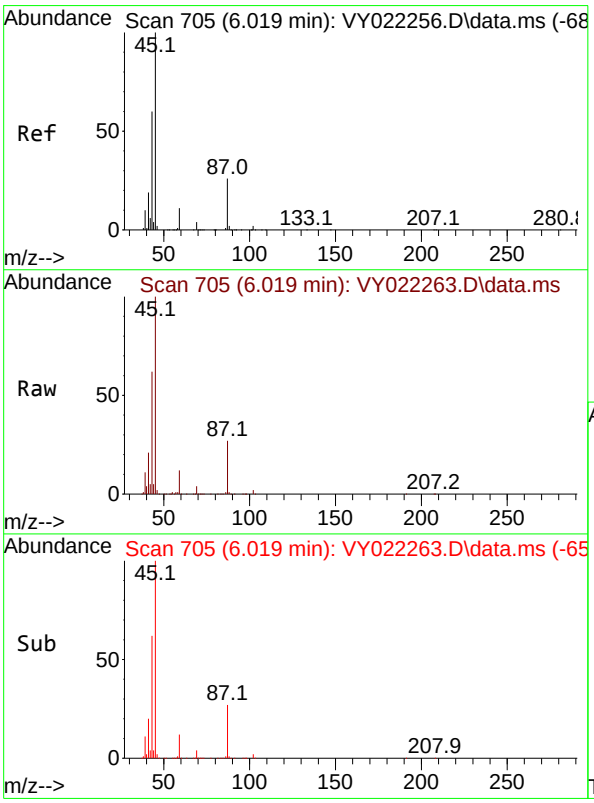
#21
trans-1,2-Dichloroethene
Concen: 20.700 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 96 Resp: 58391

Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.4	170.0
98	58.1	50.9	76.3

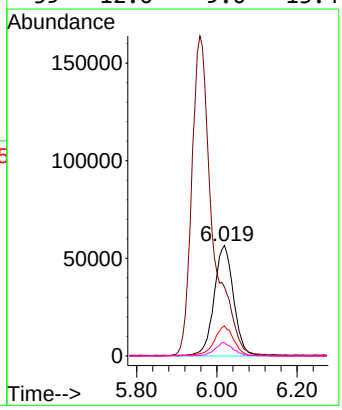


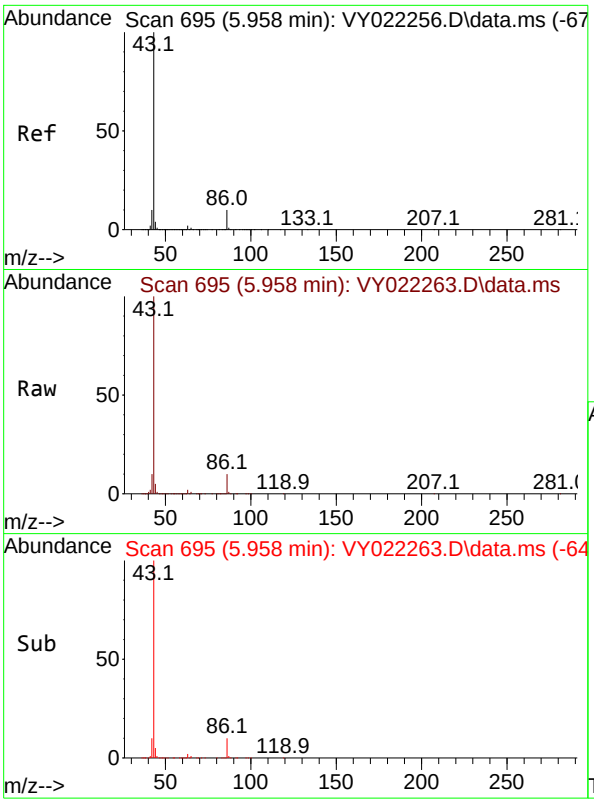


#22
Diisopropyl ether
Concen: 20.225 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 45 Resp: 191390

Ion	Ratio	Lower	Upper
45	100		
43	61.3	48.2	72.2
87	27.3	21.4	32.0
59	12.0	9.0	13.4



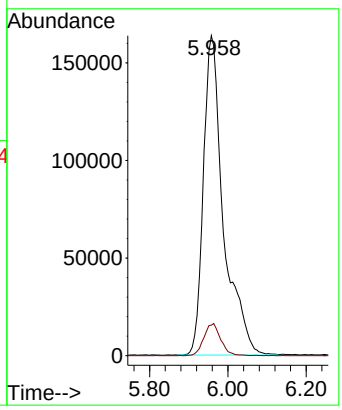


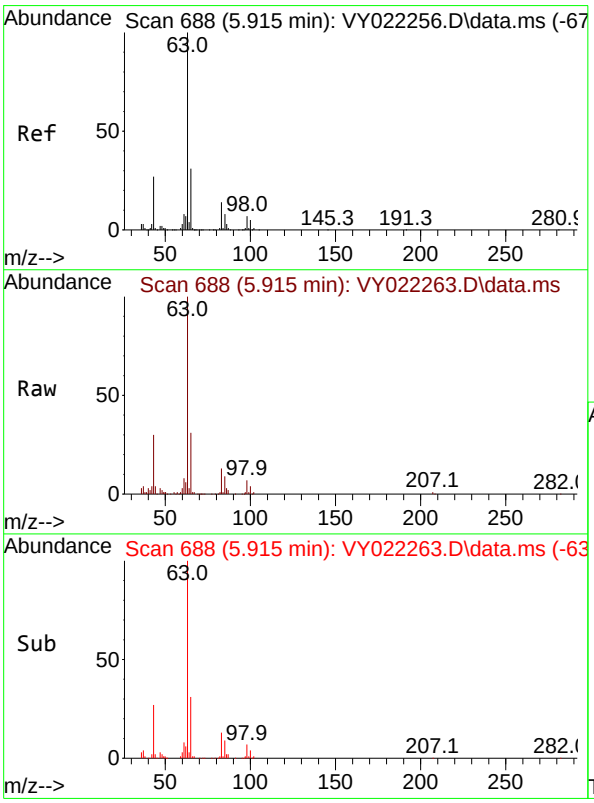
#23
Vinyl Acetate
Concen: 101.820 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 43 Resp: 582104

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

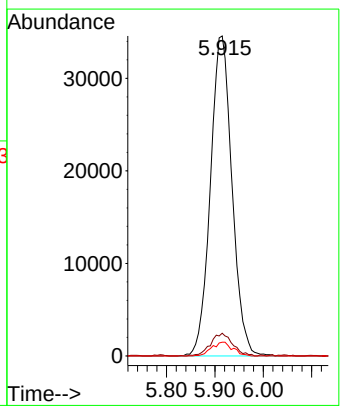


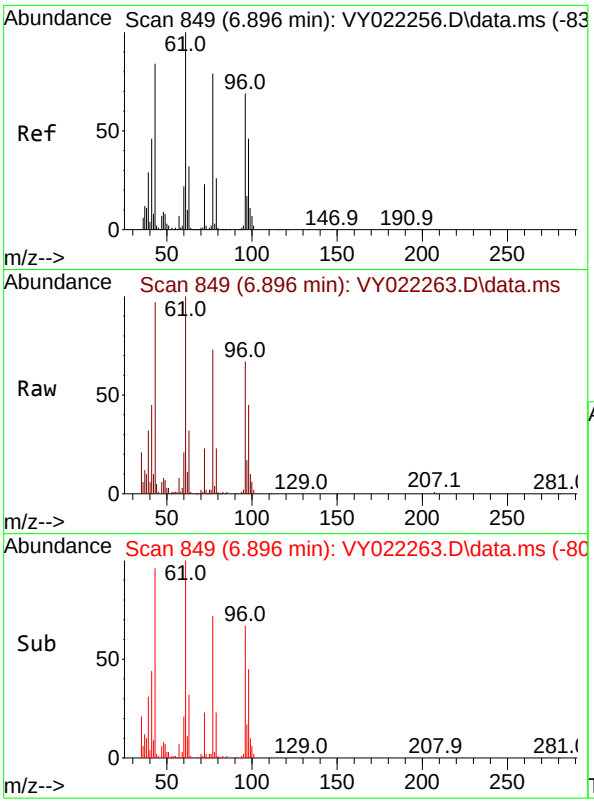


#24
1,1-Dichloroethane
Concen: 20.303 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 63 Resp: 107336

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.5
100	4.3	2.4	7.2



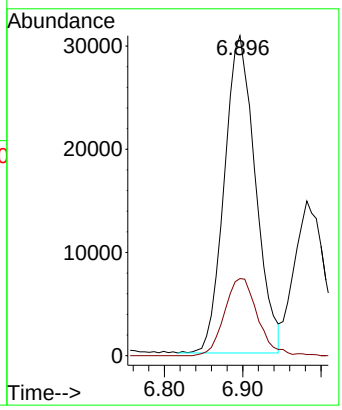


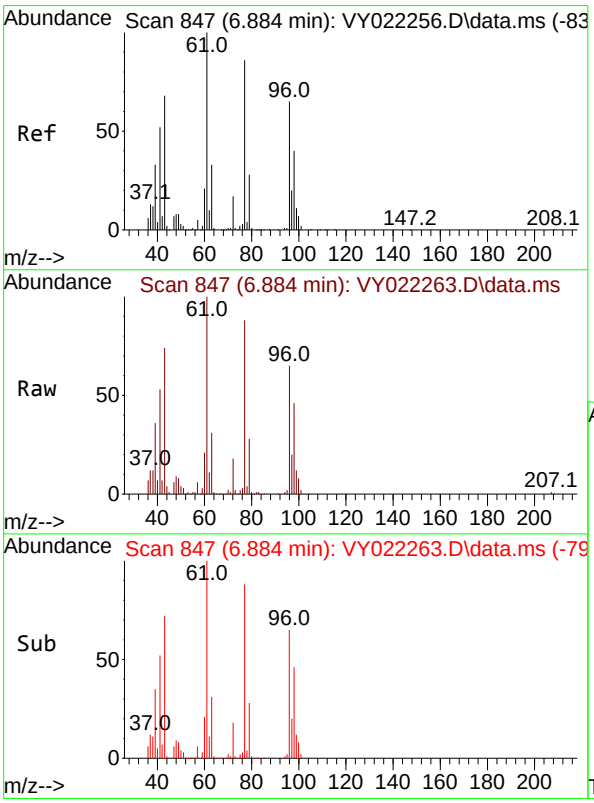
#25
2-Butanone
Concen: 103.553 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 43 Resp: 84807

Ion	Ratio	Lower	Upper
43	100		
72	24.3	22.1	33.1

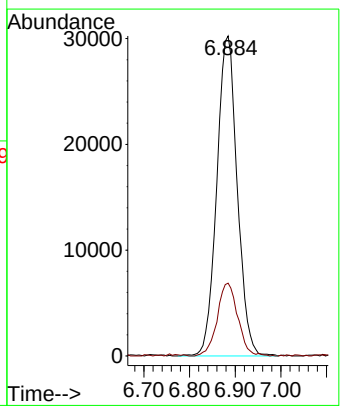


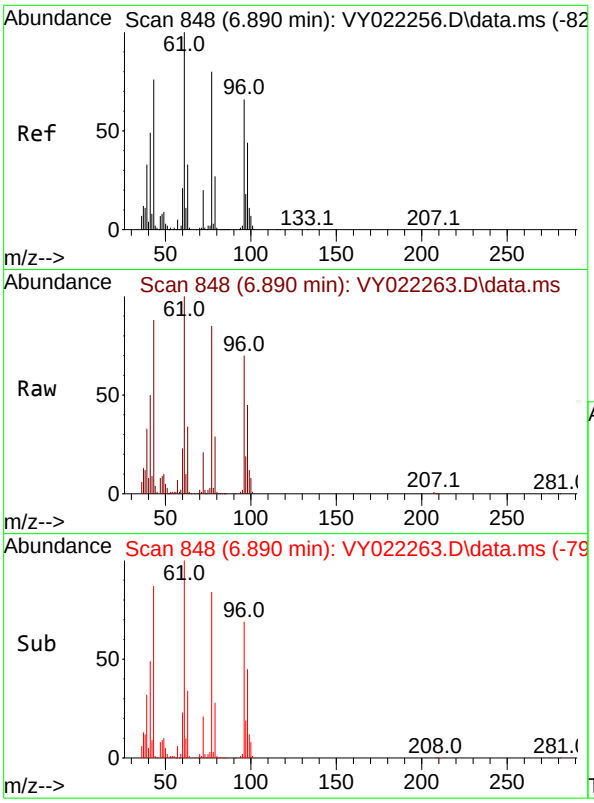


#26
2,2-Dichloropropane
Concen: 20.013 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 77 Resp: 94109

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.2	33.5



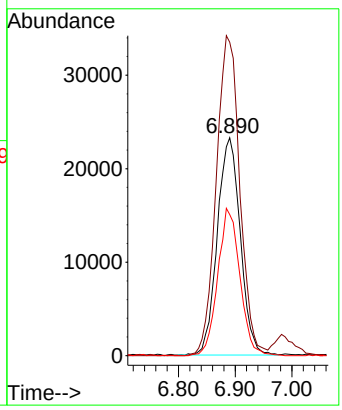


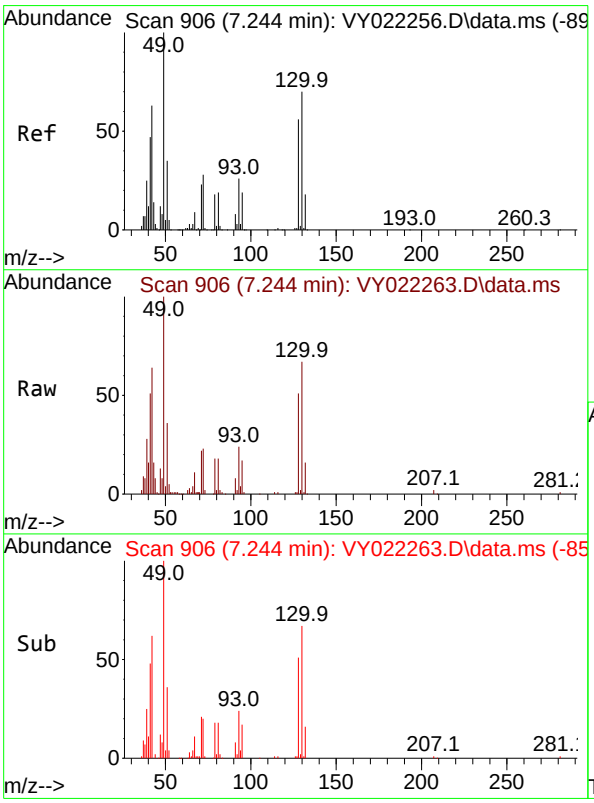
#27
cis-1,2-Dichloroethene
Concen: 20.118 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 96 Resp: 65488

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	302.6
98	65.3	0.0	128.8

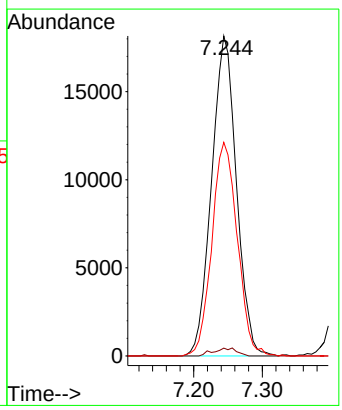


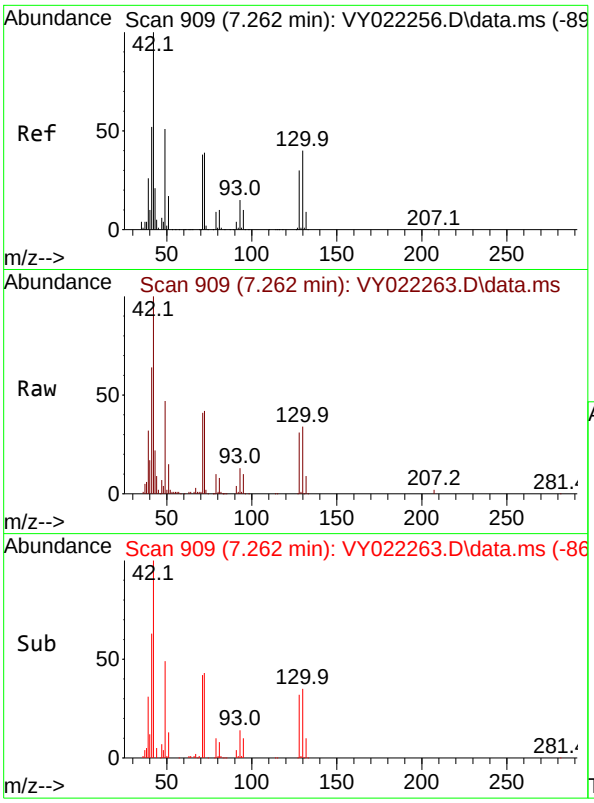


#28
Bromochloromethane
Concen: 20.301 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 49 Resp: 45781

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	68.3	54.7	82.1



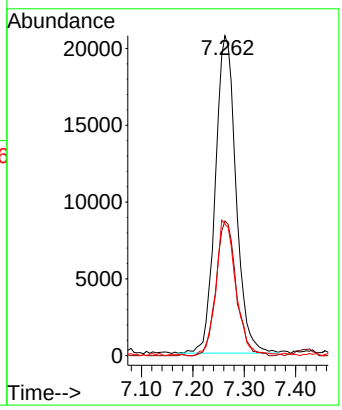


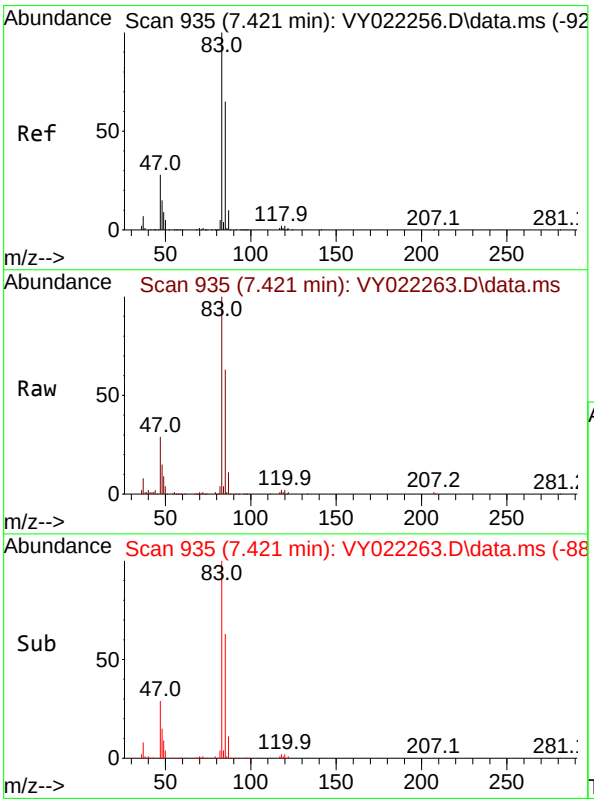
#29
Tetrahydrofuran
Concen: 109.345 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 42 Resp: 57613

Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.8	50.6
71	41.5	31.5	47.3

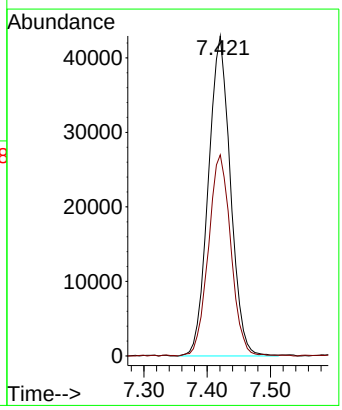


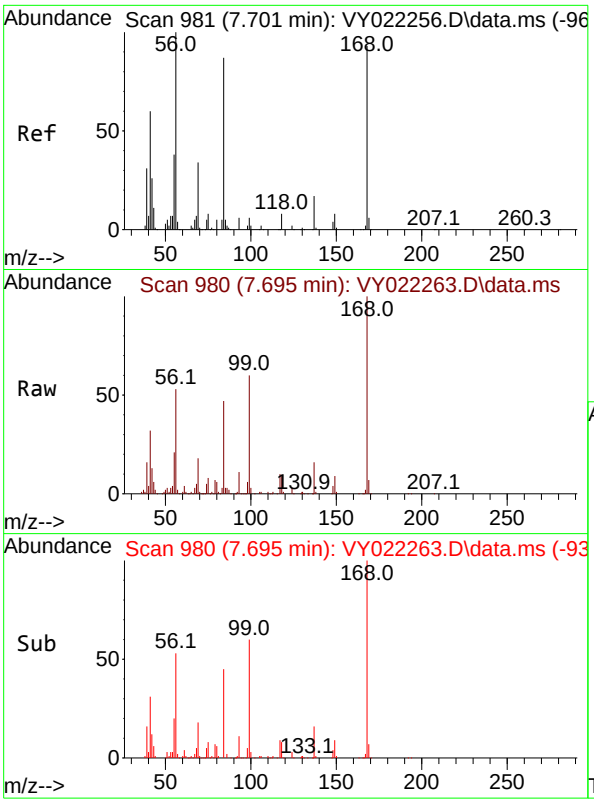


#30
Chloroform
Concen: 20.505 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 83 Resp: 103980

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8



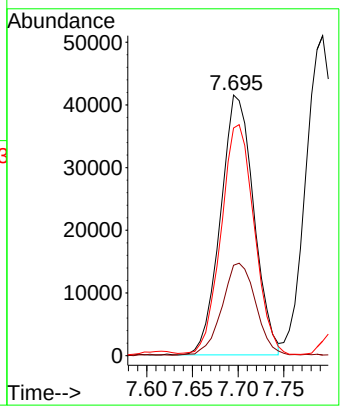


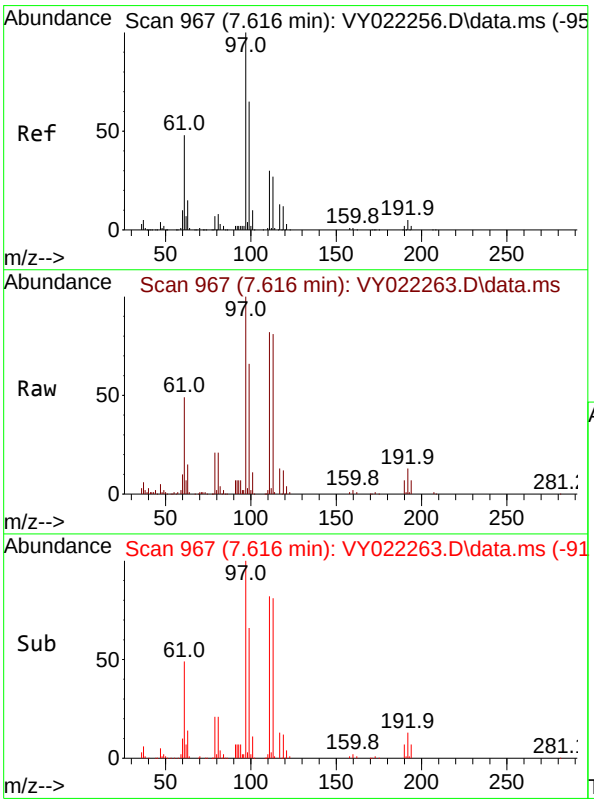
#31
Cyclohexane
Concen: 19.873 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 56 Resp: 104972

Ion	Ratio	Lower	Upper
56	100		
69	34.5	27.4	41.2
84	86.8	70.0	105.0

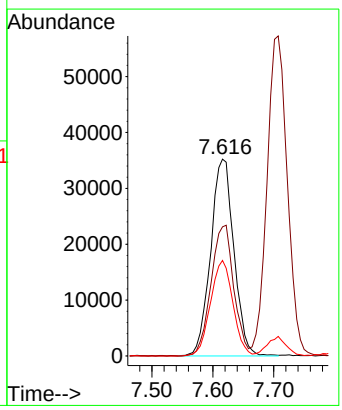


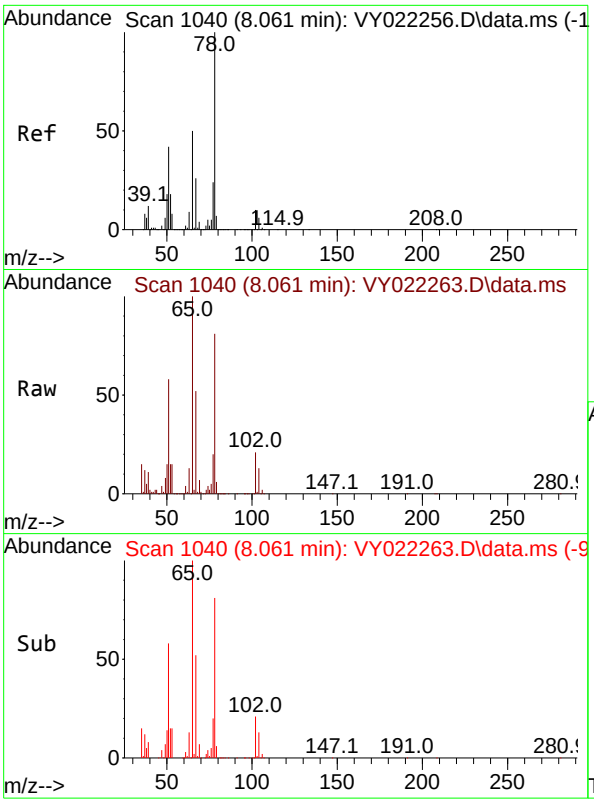


#32
1,1,1-Trichloroethane
Concen: 20.102 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 97 Resp: 93522

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	46.7	38.1	57.1



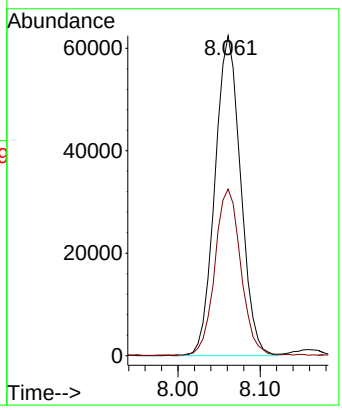


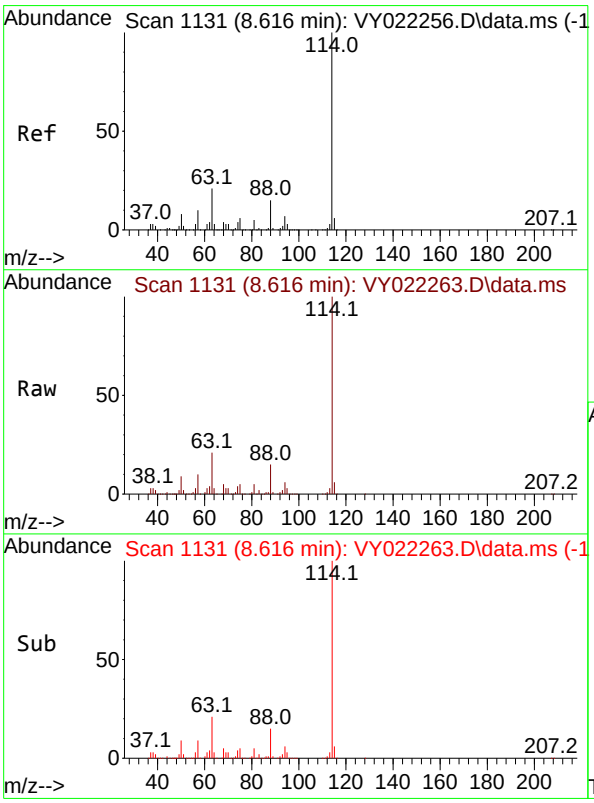
#33
1,2-Dichloroethane-d4
Concen: 51.941 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 65 Resp: 135626

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.6

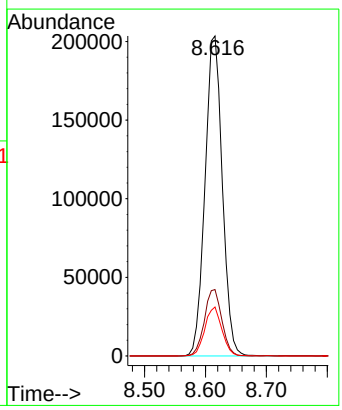


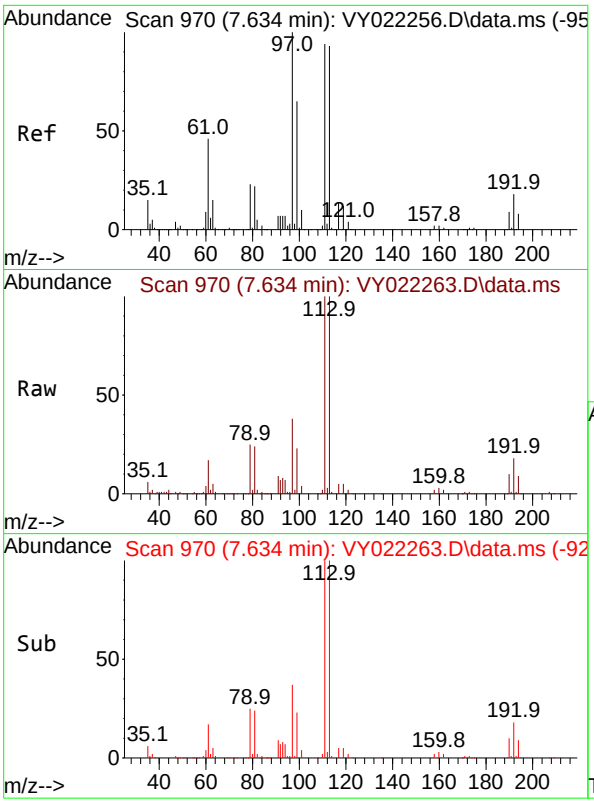


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:114 Resp: 402031

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	15.3	0.0	29.4



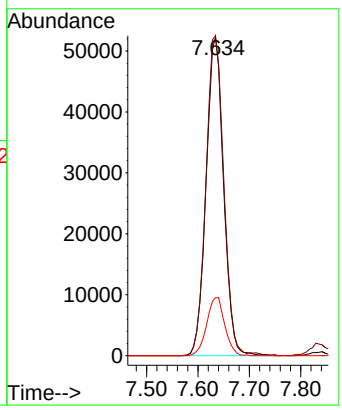


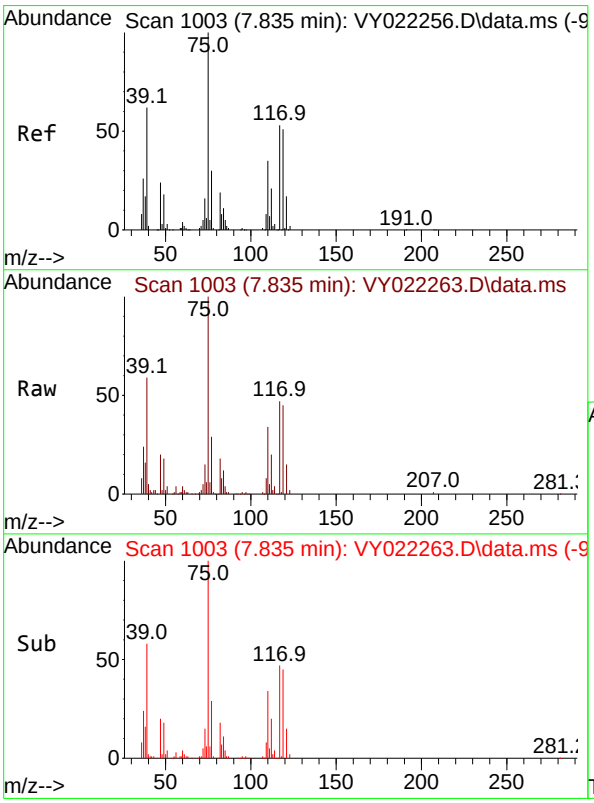
#35
Dibromofluoromethane
Concen: 51.366 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:113 Resp: 123255

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	18.9	15.2	22.8

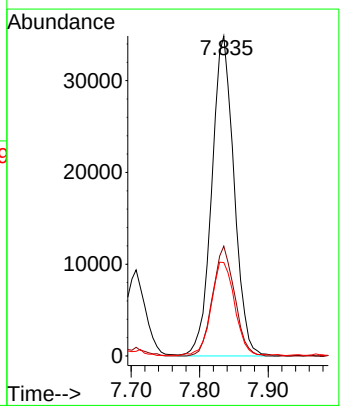


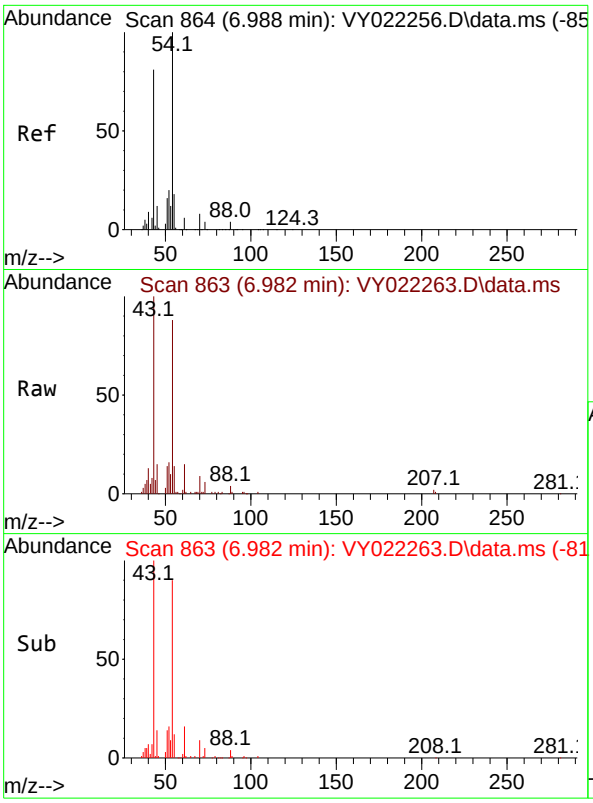


#36
1,1-Dichloropropene
Concen: 19.899 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 78647

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.6	49.8
77	30.4	24.6	37.0



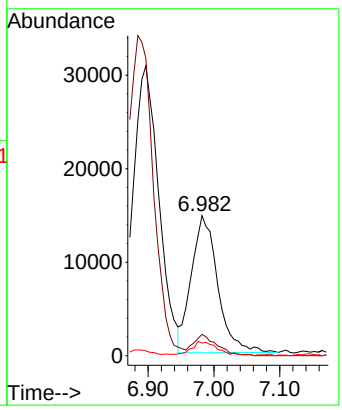


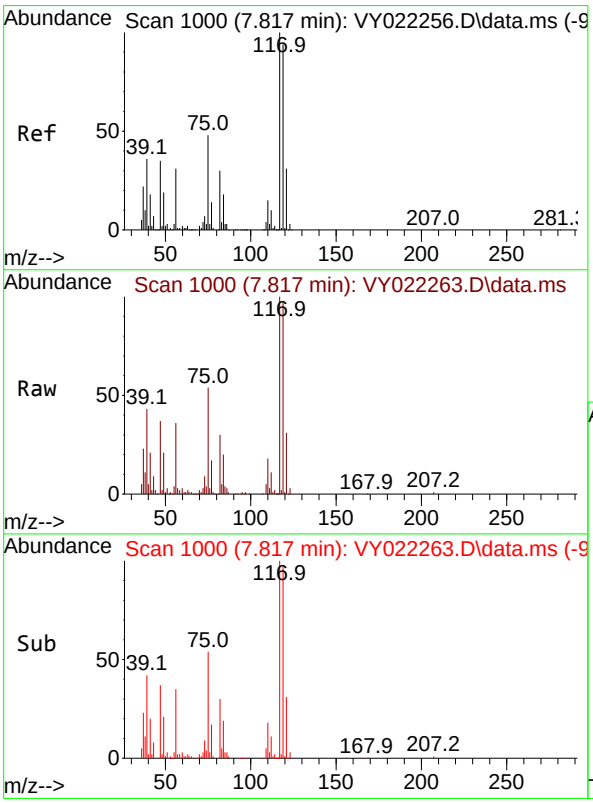
#37
Ethyl Acetate
Concen: 21.564 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 43 Resp: 41008

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.2
70	10.3	7.6	11.4

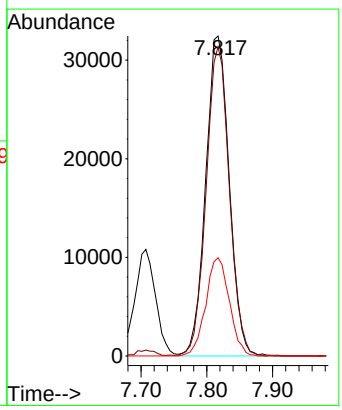


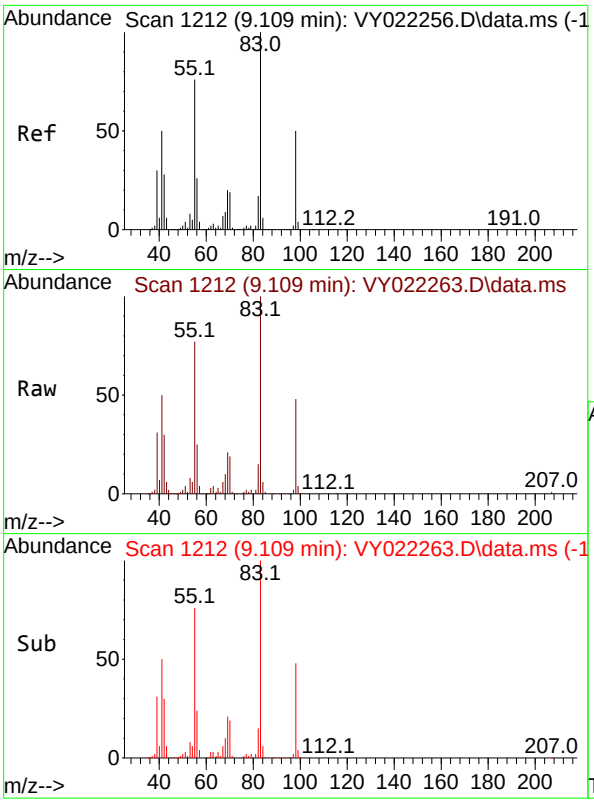


#38
Carbon Tetrachloride
Concen: 19.785 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:117 Resp: 80942

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.3	112.9
121	30.7	24.7	37.1



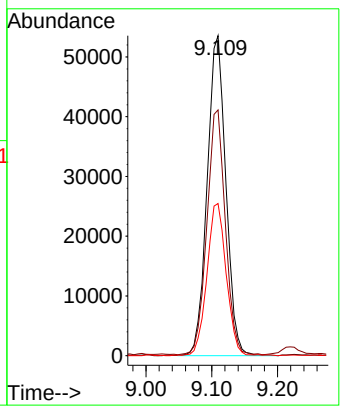


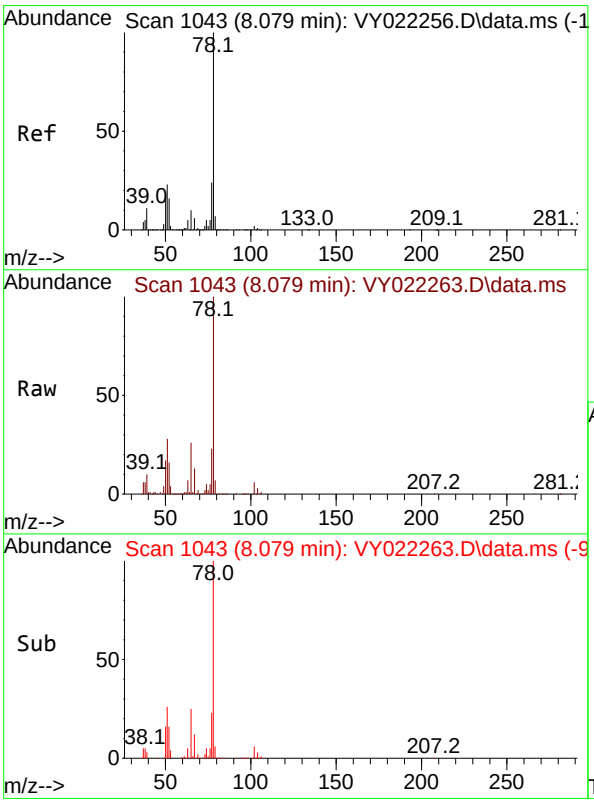
#39
Methylcyclohexane
Concen: 19.962 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 83 Resp: 105996

Ion	Ratio	Lower	Upper
83	100		
55	76.5	60.6	90.8
98	47.6	40.0	60.0

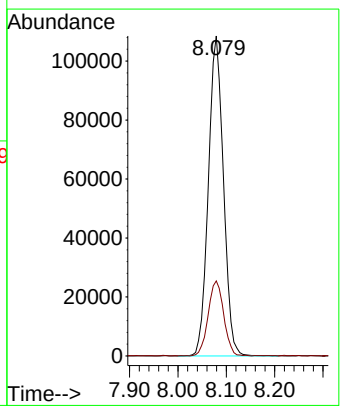


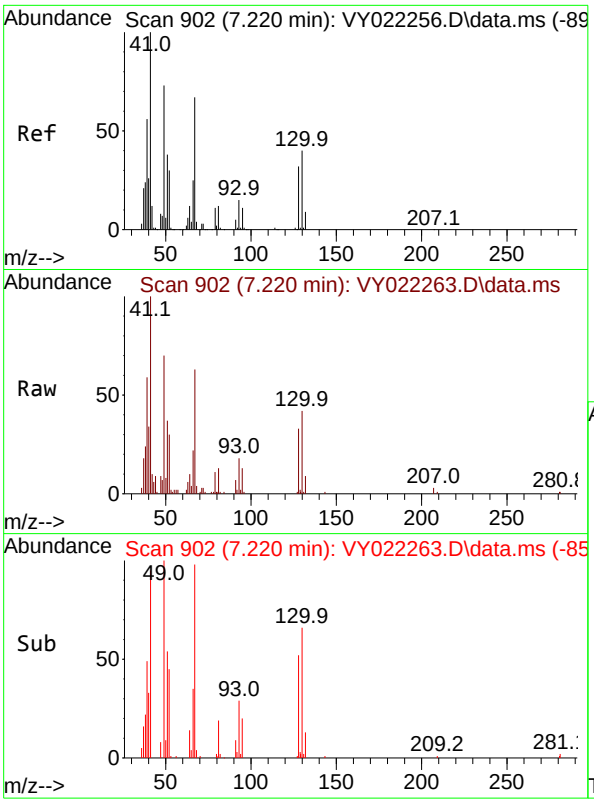


#40
Benzene
Concen: 20.035 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 78 Resp: 234747

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3



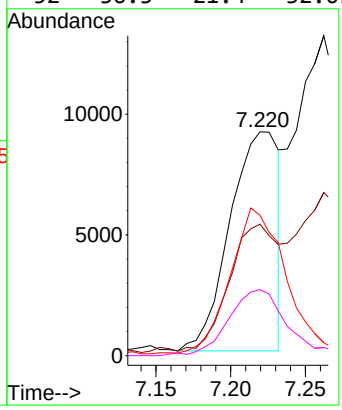


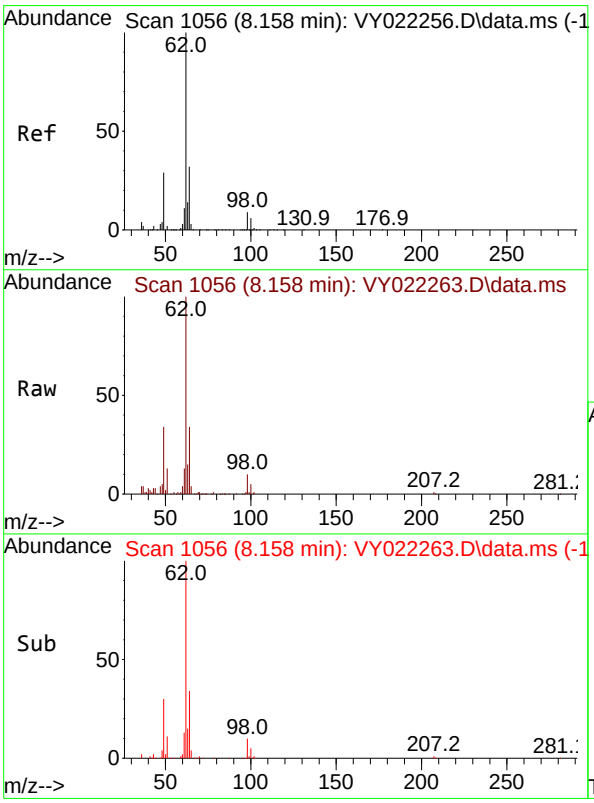
#41
Methacrylonitrile
Concen: 16.360 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 41 Resp: 20638

Ion	Ratio	Lower	Upper
41	100		
39	56.3	39.1	58.7
67	76.6	47.1	70.7#
52	36.3	21.4	32.0#

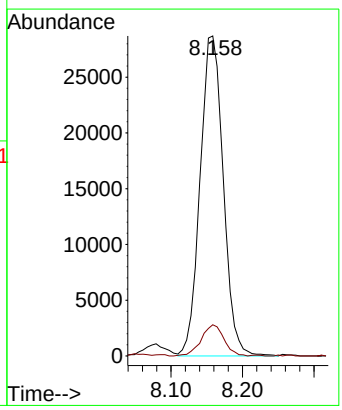


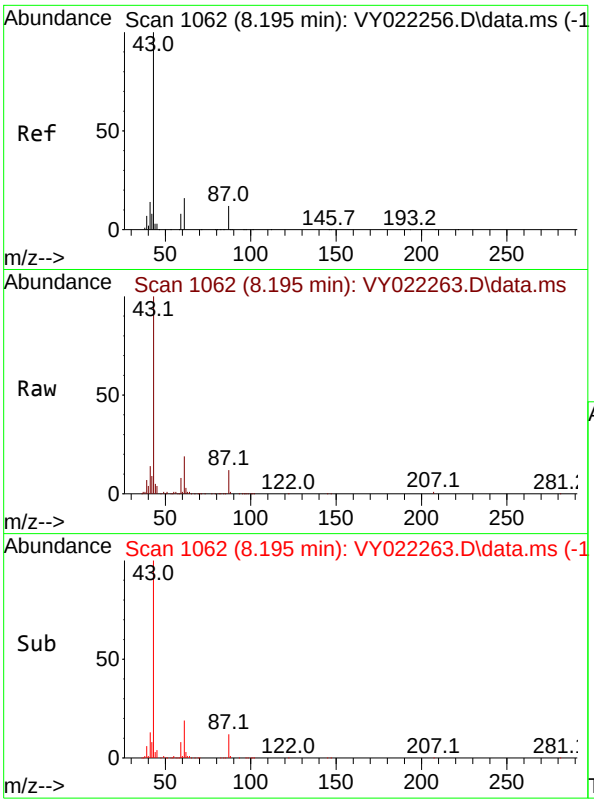


#42
1,2-Dichloroethane
Concen: 20.377 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 62 Resp: 64565

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



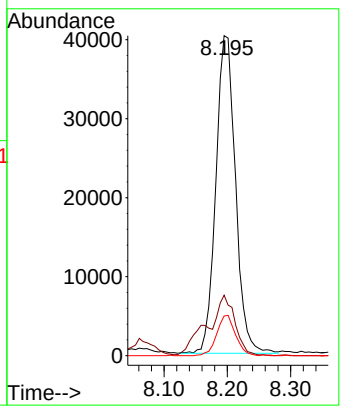


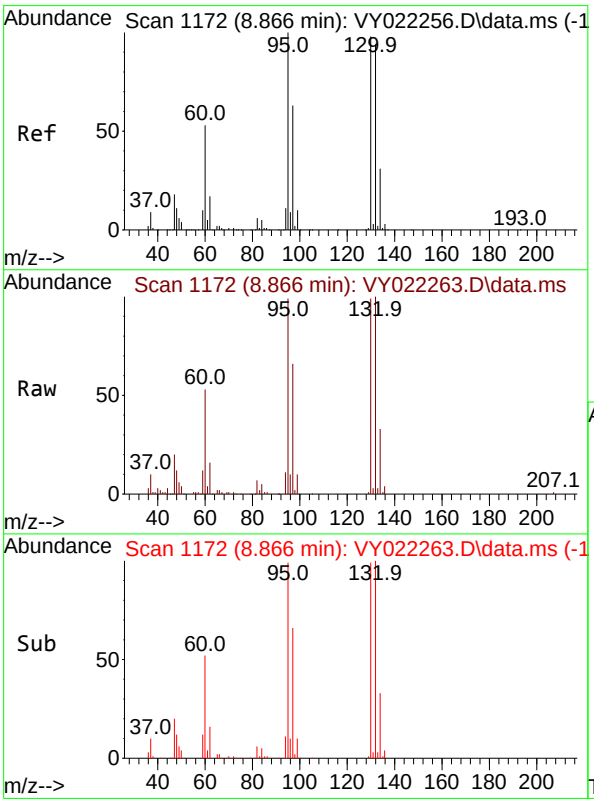
#43
Isopropyl Acetate
Concen: 20.869 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 43 Resp: 86552

Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.1	22.7
87	12.1	9.7	14.5

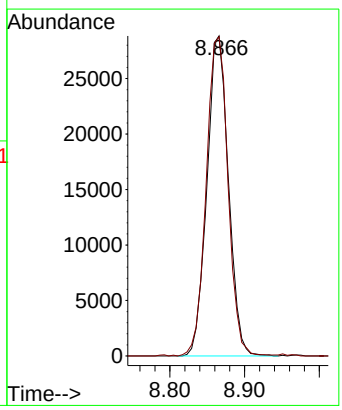


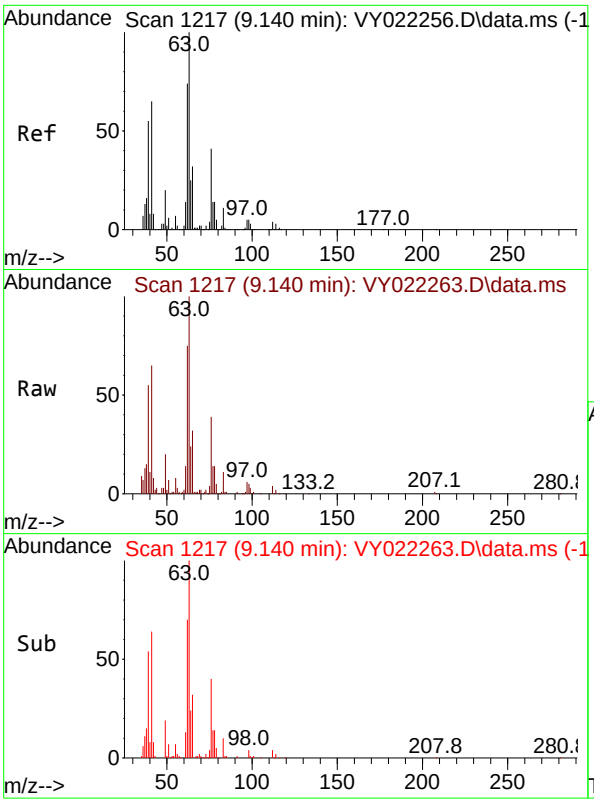


#44
Trichloroethene
Concen: 19.807 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:130 Resp: 57705

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	204.8



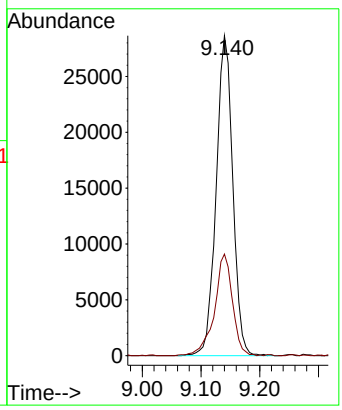


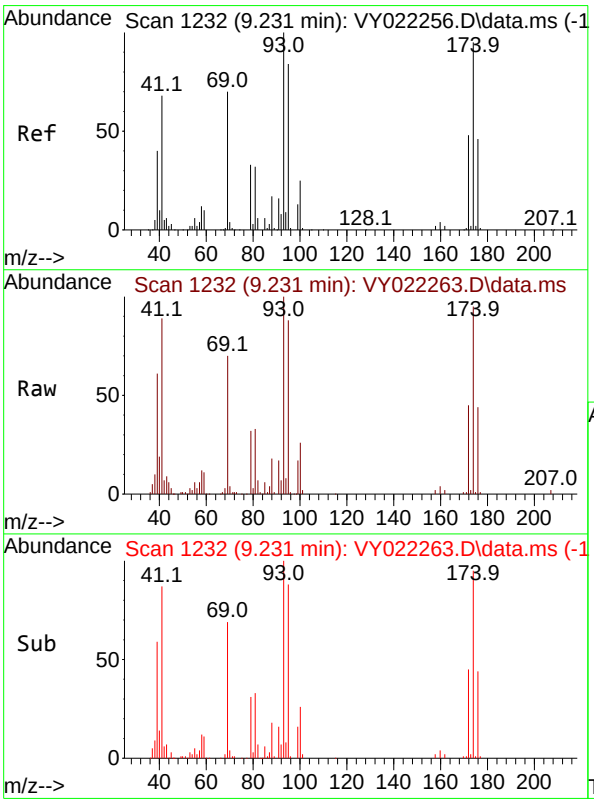
#45
1,2-Dichloropropane
Concen: 19.911 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 63 Resp: 56246

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.7	38.5

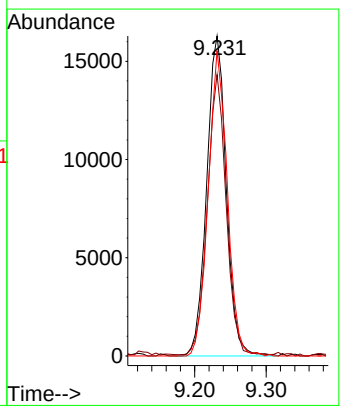


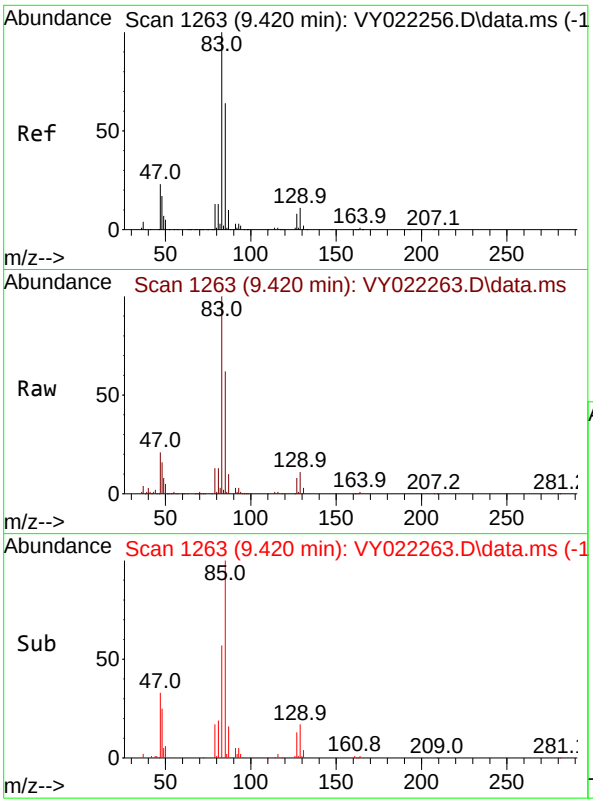


#46
Dibromomethane
Concen: 20.354 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 93 Resp: 31011

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.2	97.8
174	92.6	74.3	111.5



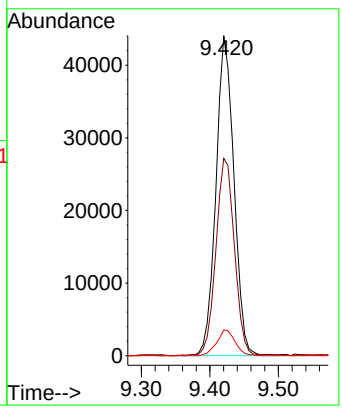


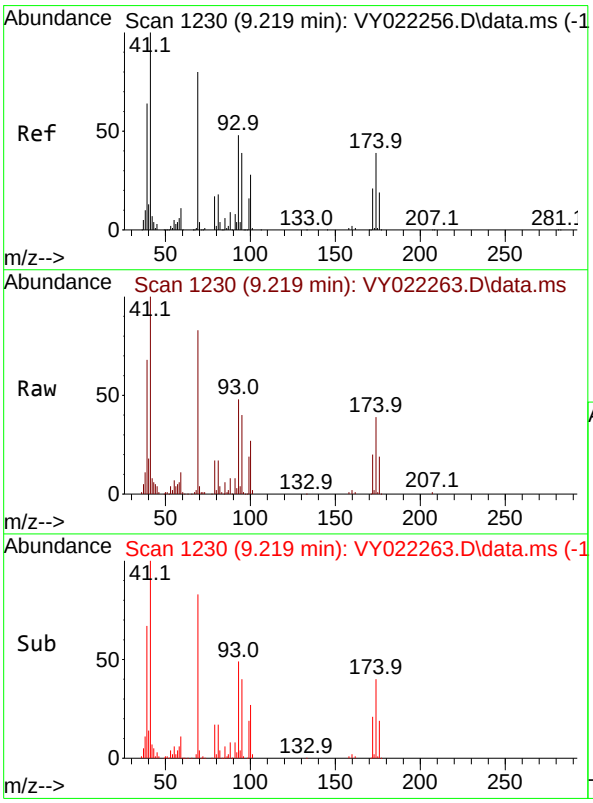
#47
Bromodichloromethane
Concen: 20.295 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 83 Resp: 80217

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.1	76.7
127	8.0	6.6	10.0

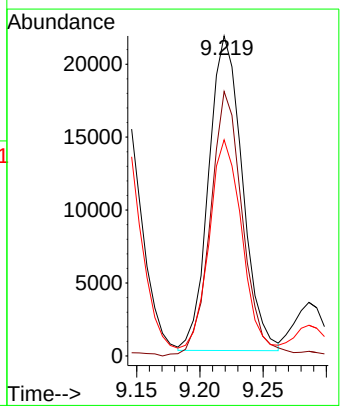


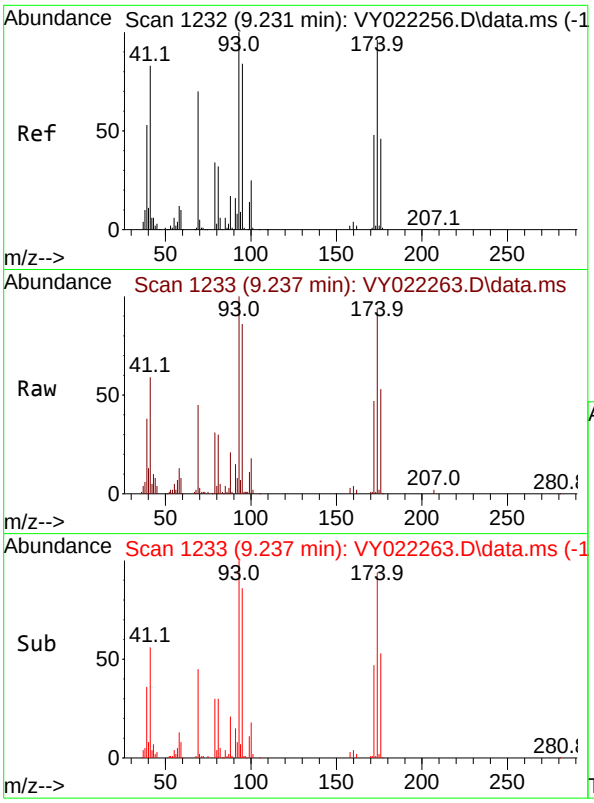


#48
Methyl methacrylate
Concen: 20.576 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 41 Resp: 39908

Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.5	95.3
39	63.6	50.8	76.2



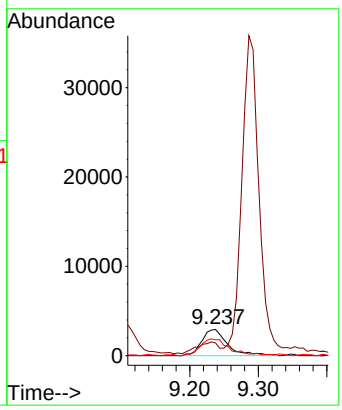


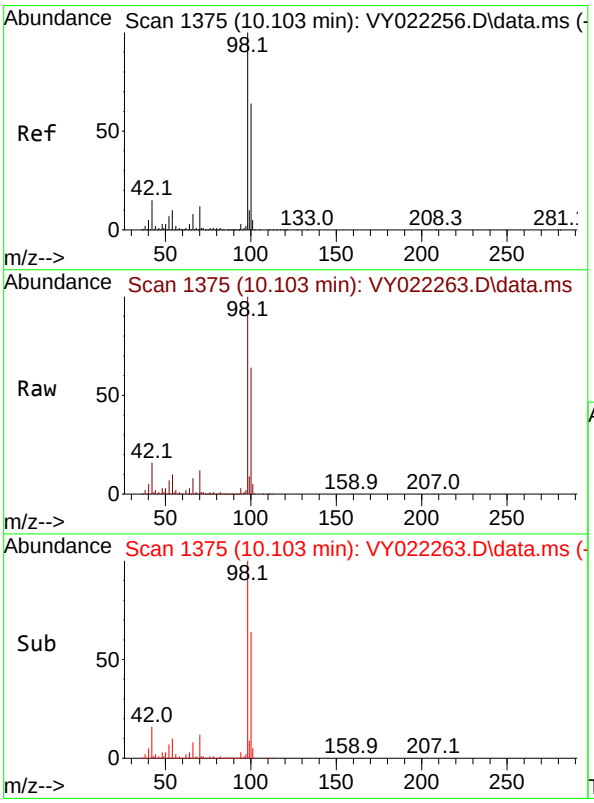
#49
1,4-Dioxane
Concen: 444.632 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 88 Resp: 7653

Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.5	42.7
58	72.7	61.4	92.2

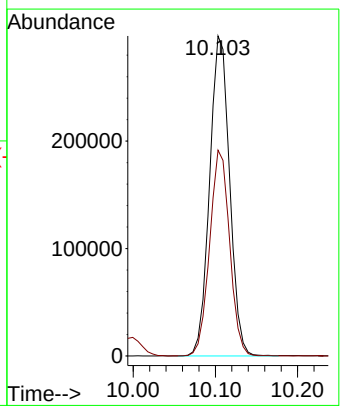


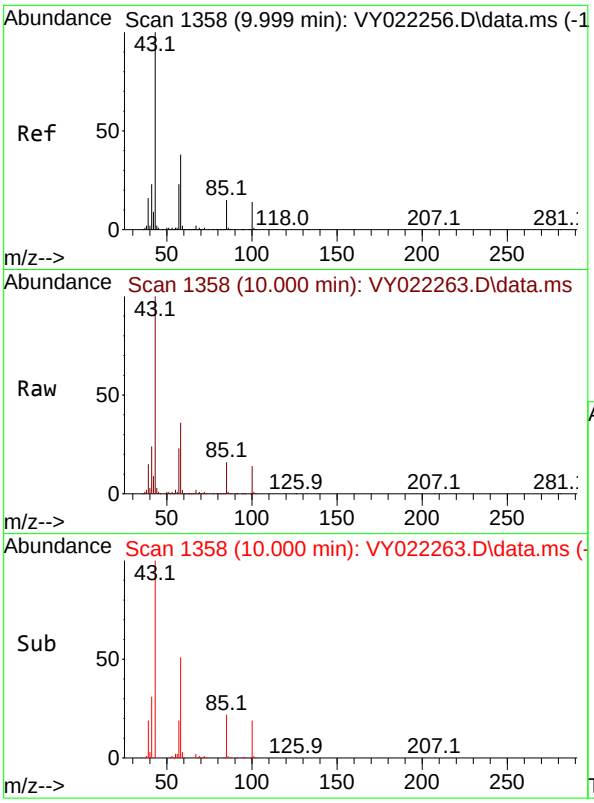


#50
Toluene-d8
Concen: 51.242 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 98 Resp: 503583

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8



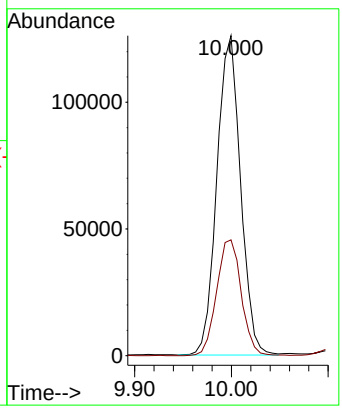


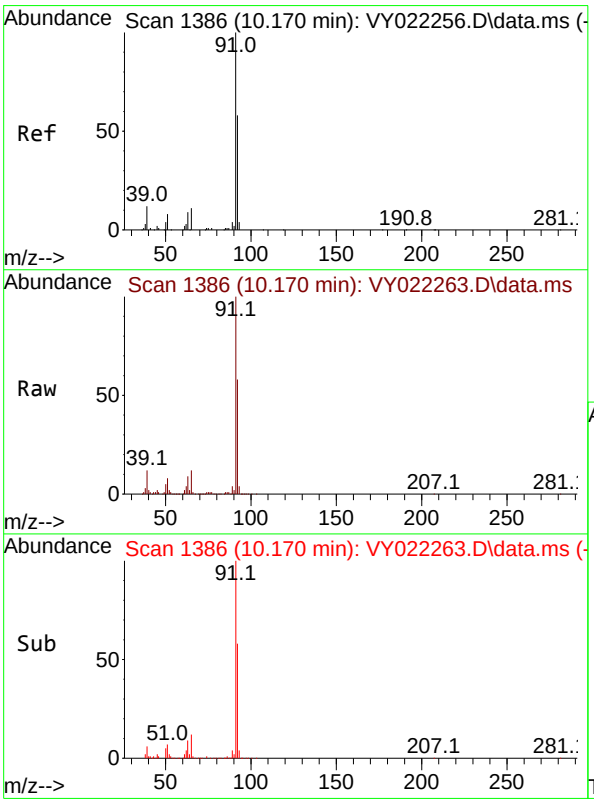
#51
4-Methyl-2-Pentanone
Concen: 105.023 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 43 Resp: 213720

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.4	44.2

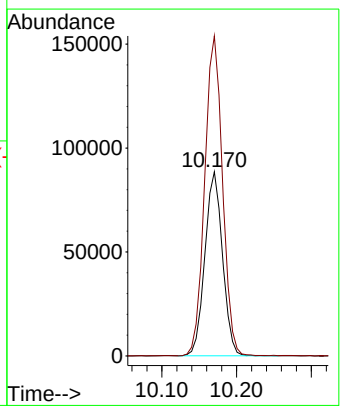


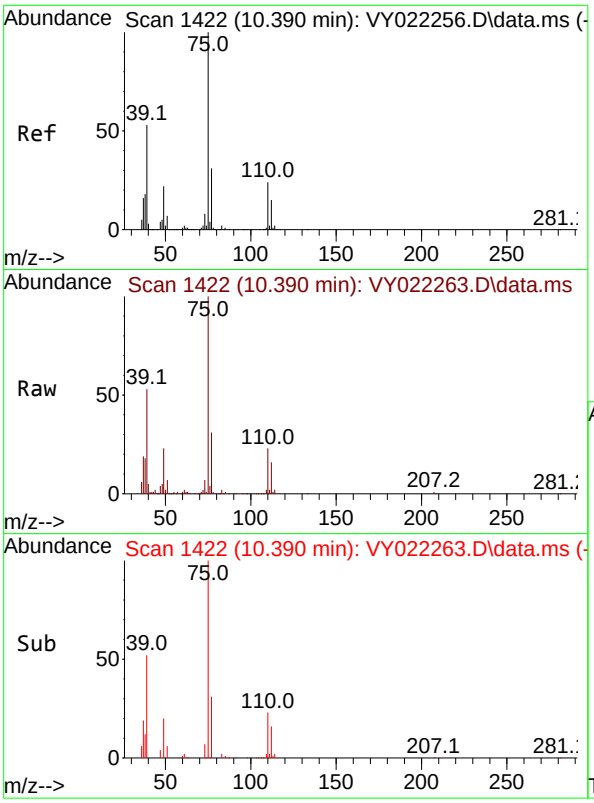


#52
Toluene
Concen: 19.501 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 92 Resp: 144686

Ion	Ratio	Lower	Upper
92	100		
91	175.8	139.1	208.7



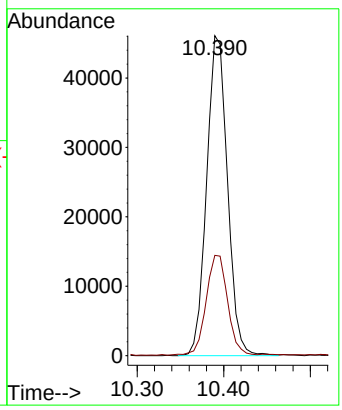


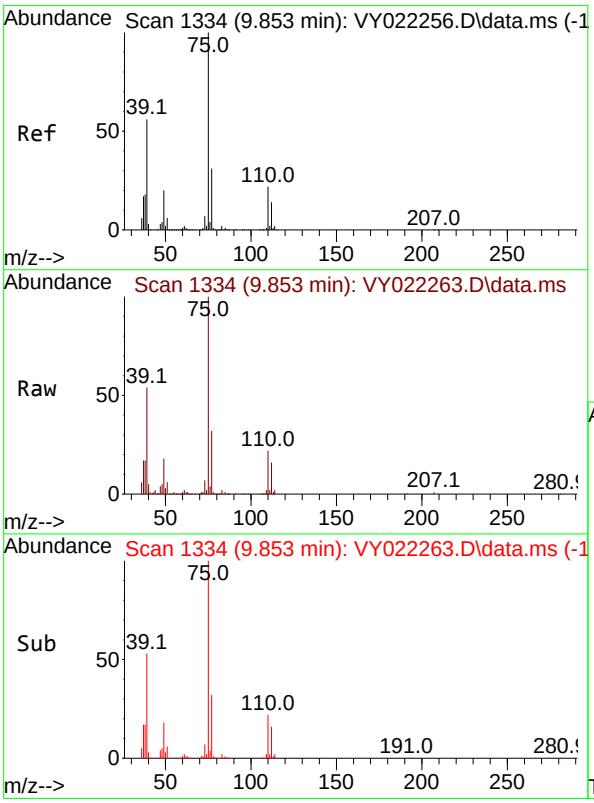
#53
t-1,3-Dichloropropene
Concen: 19.949 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 75 Resp: 76950

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6

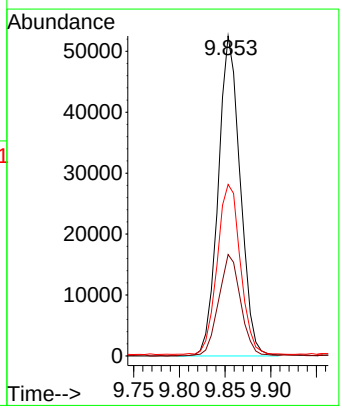


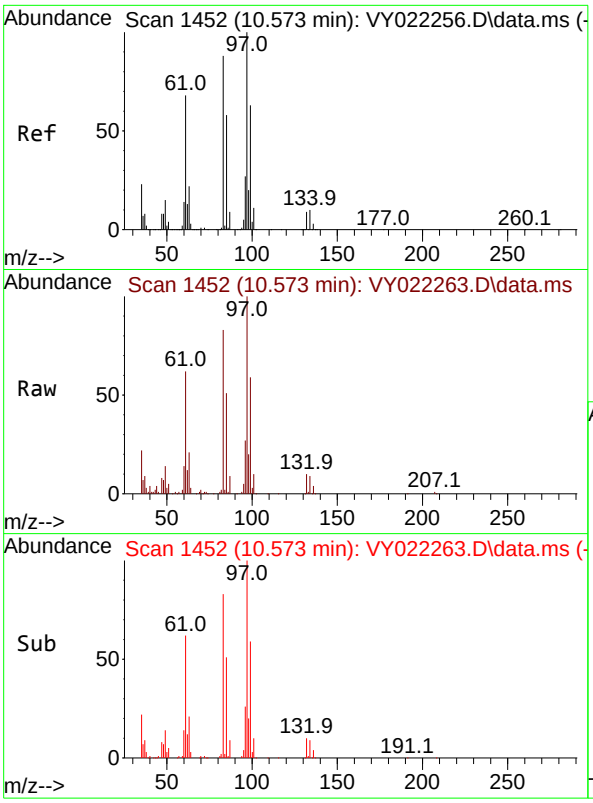


#54
cis-1,3-Dichloropropene
Concen: 19.924 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 88052

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	53.1	44.5	66.7



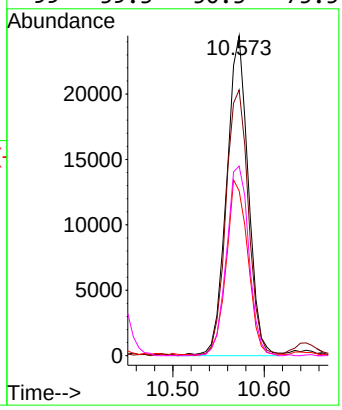


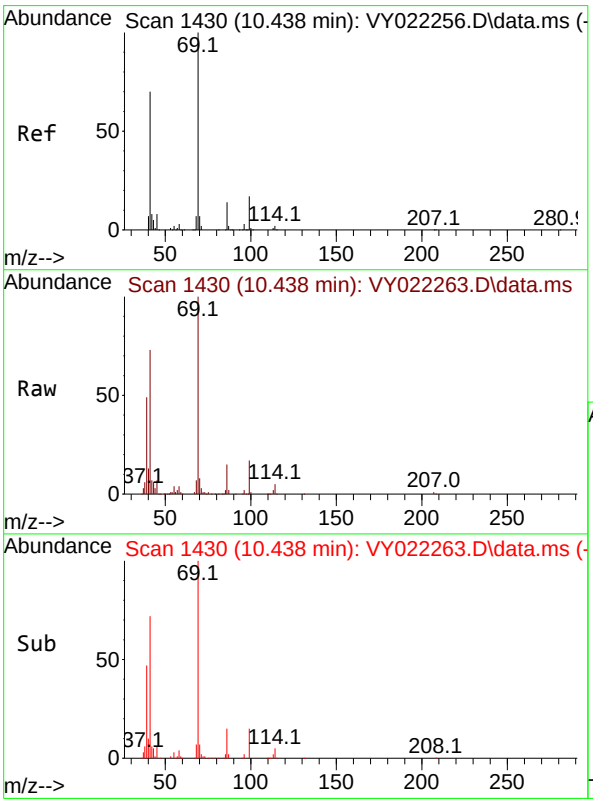
#55
1,1,2-Trichloroethane
Concen: 20.615 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 97 Resp: 40220

Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.3	105.5
85	51.1	46.2	69.4
99	59.3	50.3	75.5

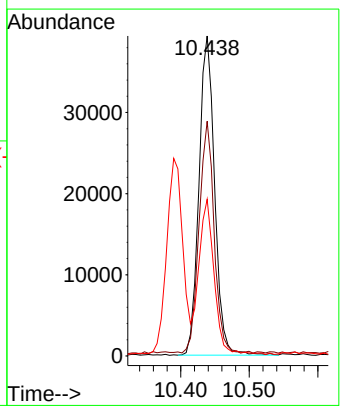


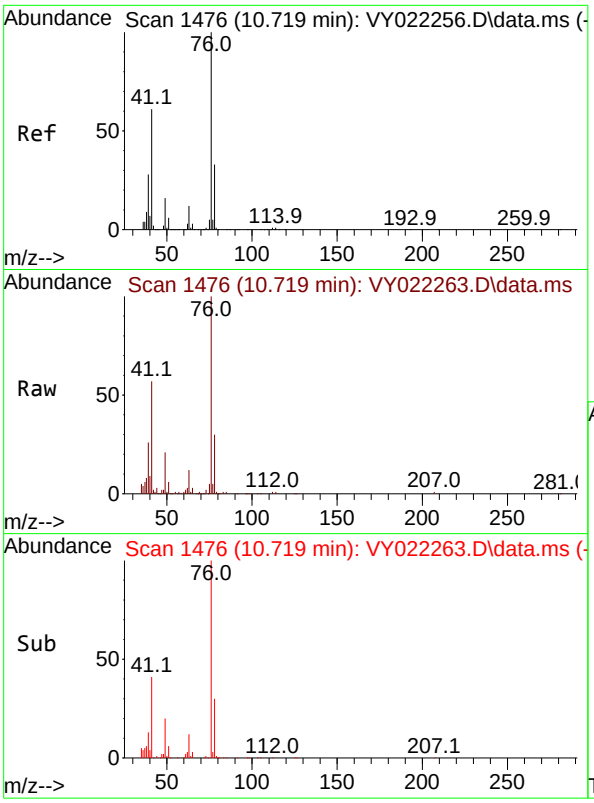


#56
Ethyl methacrylate
Concen: 20.583 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 69 Resp: 62553

Ion	Ratio	Lower	Upper
69	100		
41	69.8	56.5	84.7
39	47.6	37.1	55.7



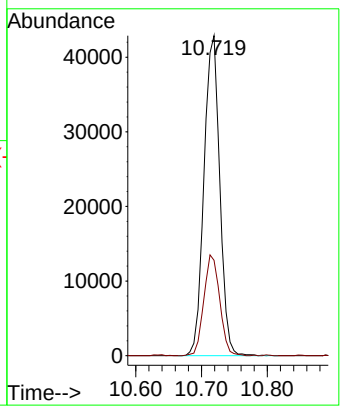


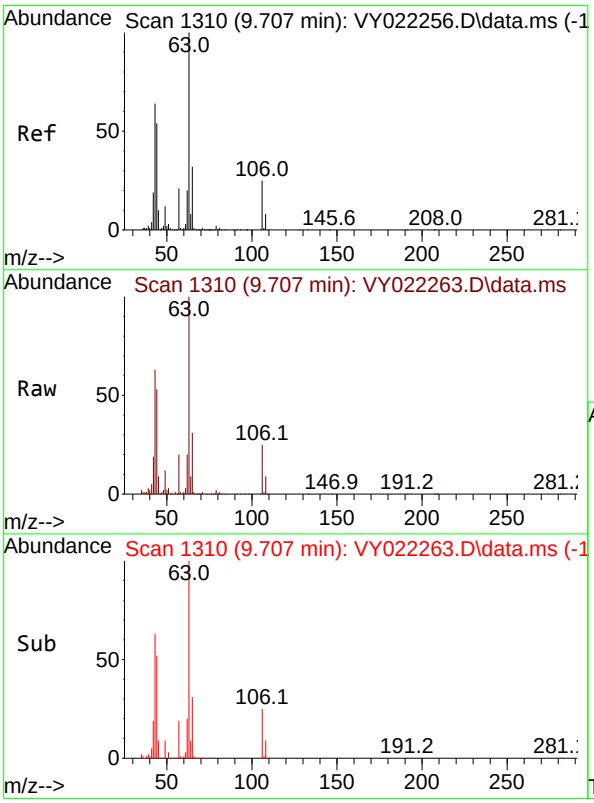
#57
1,3-Dichloropropane
Concen: 20.625 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 76 Resp: 71496

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

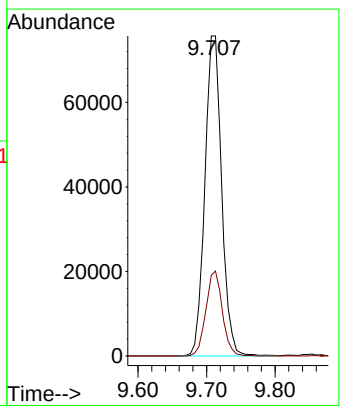


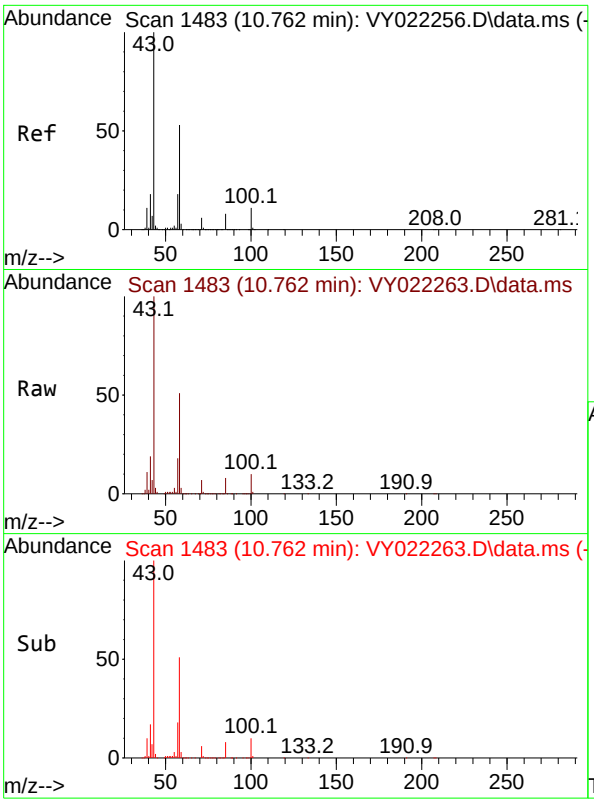


#58
2-Chloroethyl Vinyl ether
Concen: 94.593 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 63 Resp: 129032

Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.0	31.4



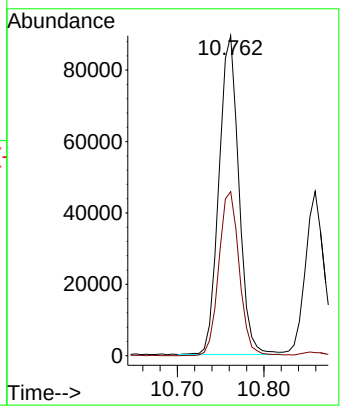


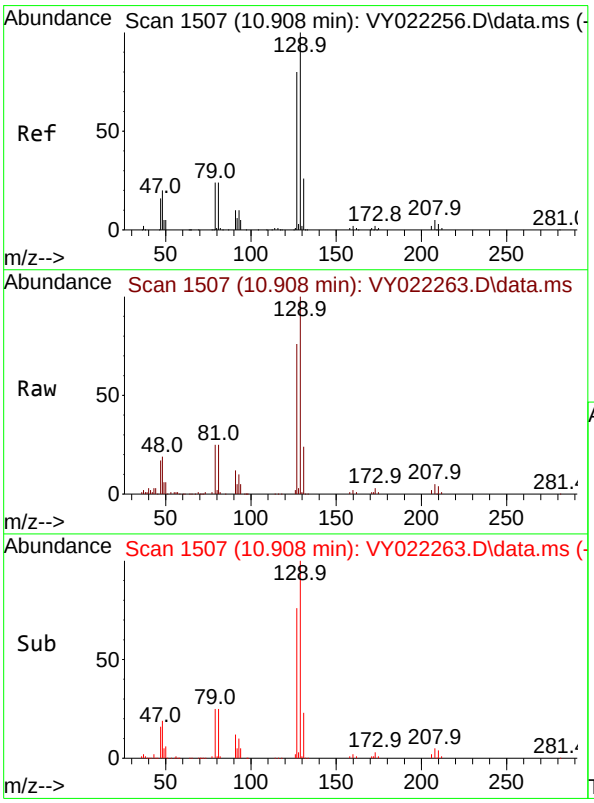
#59
2-Hexanone
Concen: 104.509 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 43 Resp: 142594

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.3

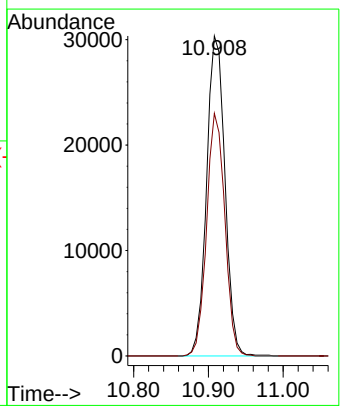


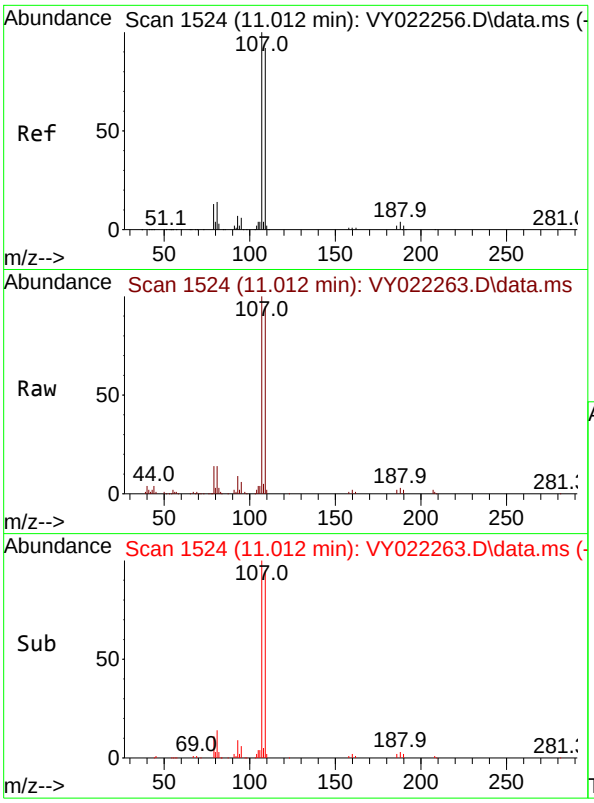


#60
Dibromochloromethane
Concen: 20.424 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:129 Resp: 51719

Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.6	115.7



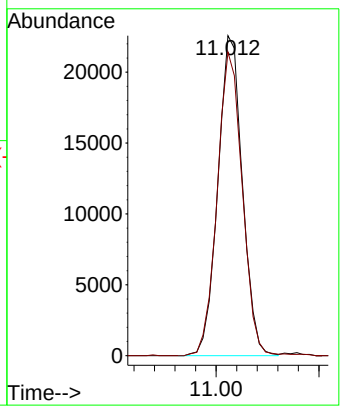


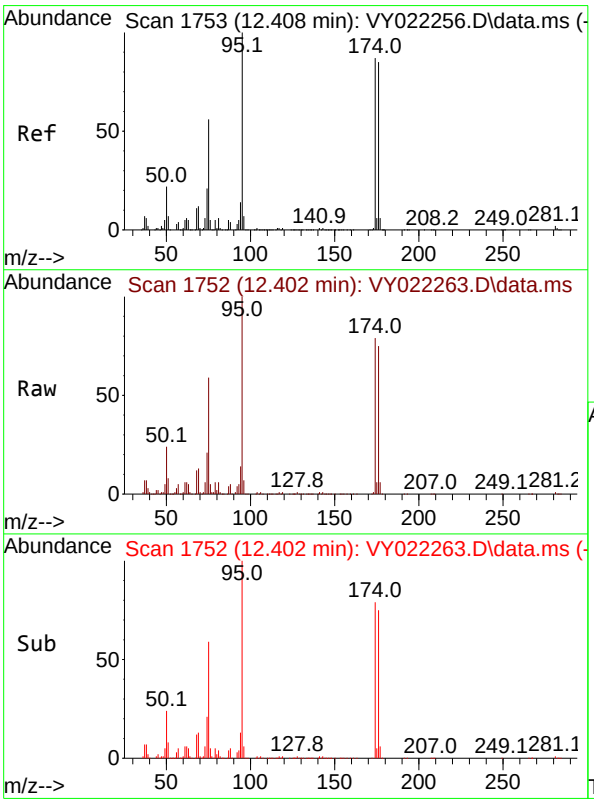
#61
1,2-Dibromoethane
Concen: 20.509 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:107 Resp: 37293

Ion	Ratio	Lower	Upper
107	100		
109	97.3	74.6	111.8

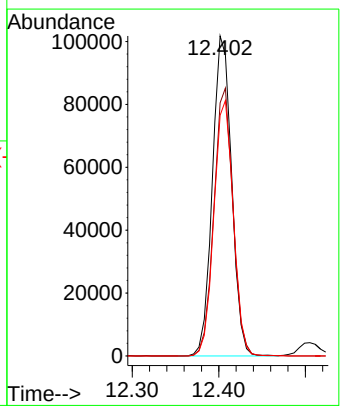


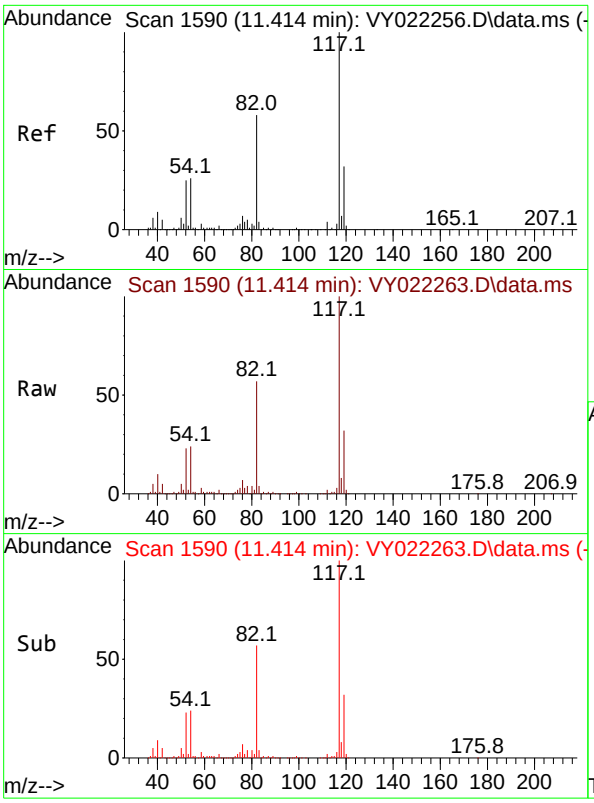


#62
4-Bromofluorobenzene
Concen: 50.364 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 95 Resp: 156883

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	166.8
176	80.8	0.0	160.8



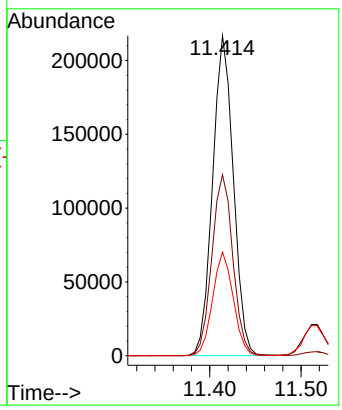


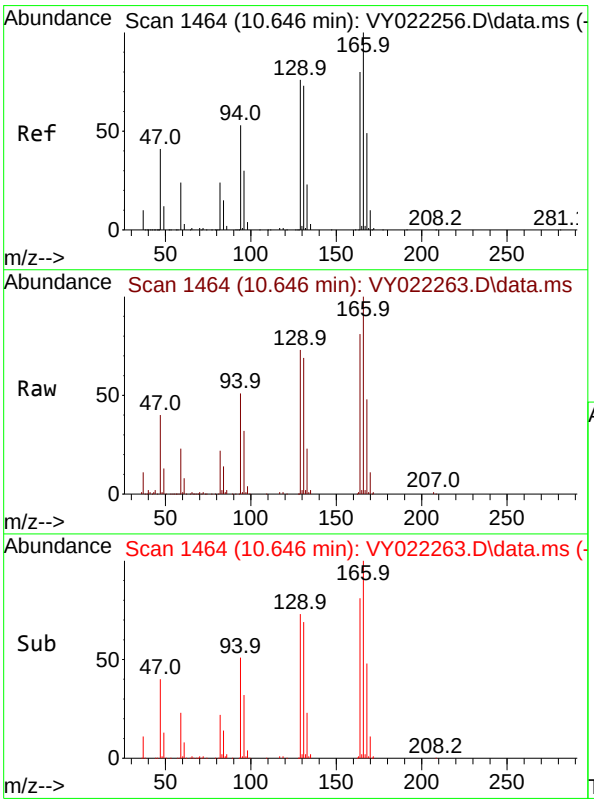
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:117 Resp: 341987

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.6	70.0
119	32.4	25.8	38.6

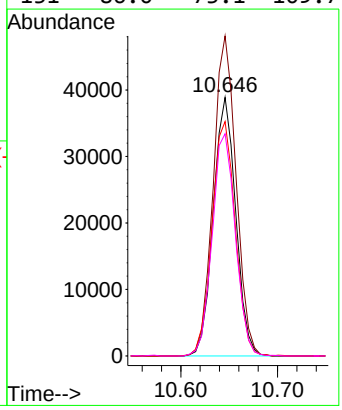


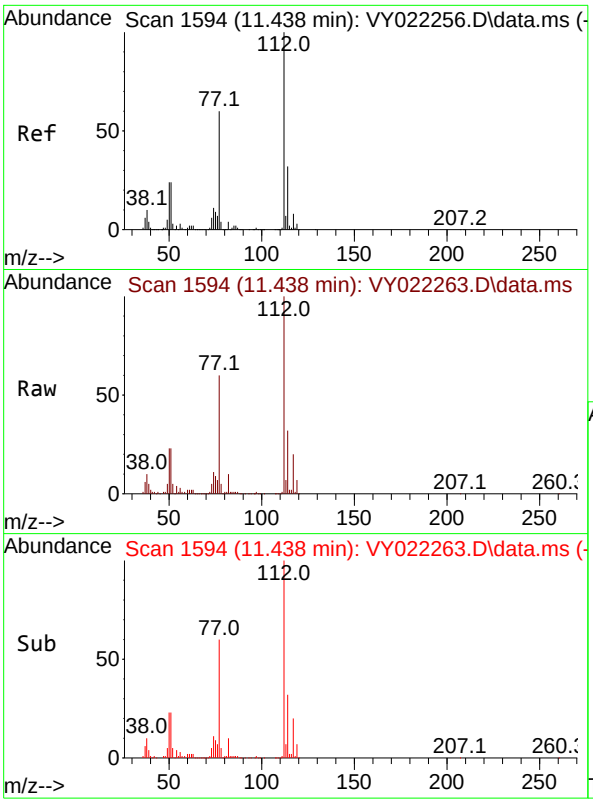


#64
Tetrachloroethene
Concen: 19.866 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:164 Resp: 62797

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.4	150.6
129	90.7	76.4	114.6
131	86.0	73.1	109.7



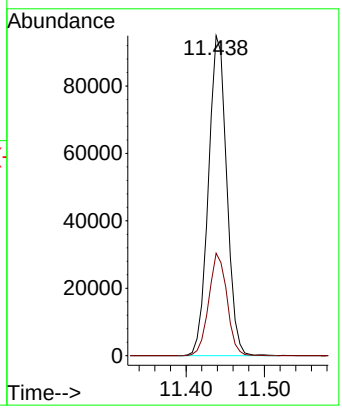


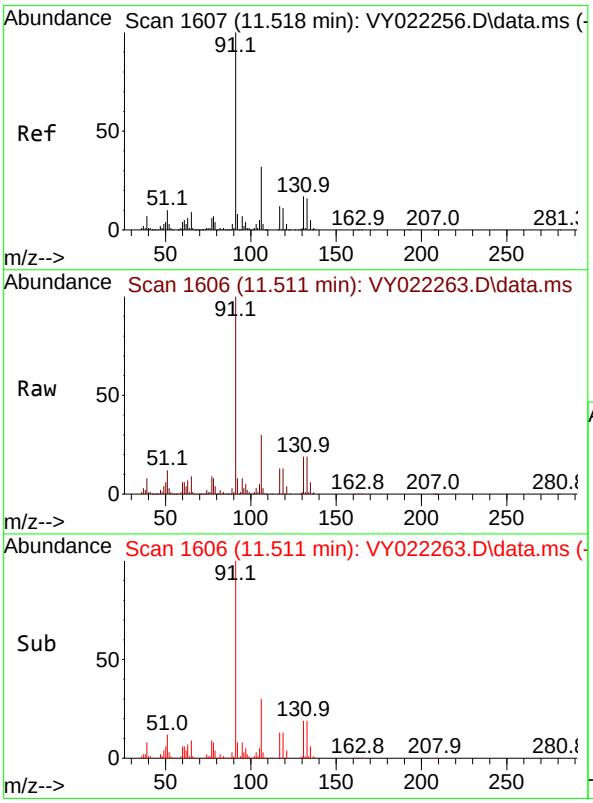
#65
Chlorobenzene
Concen: 19.950 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:112 Resp: 153929

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

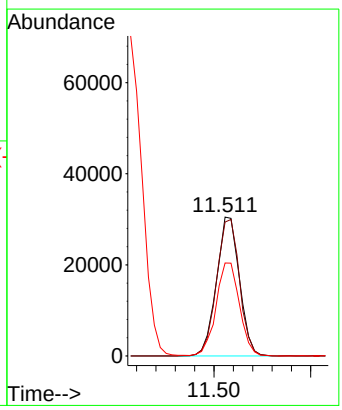


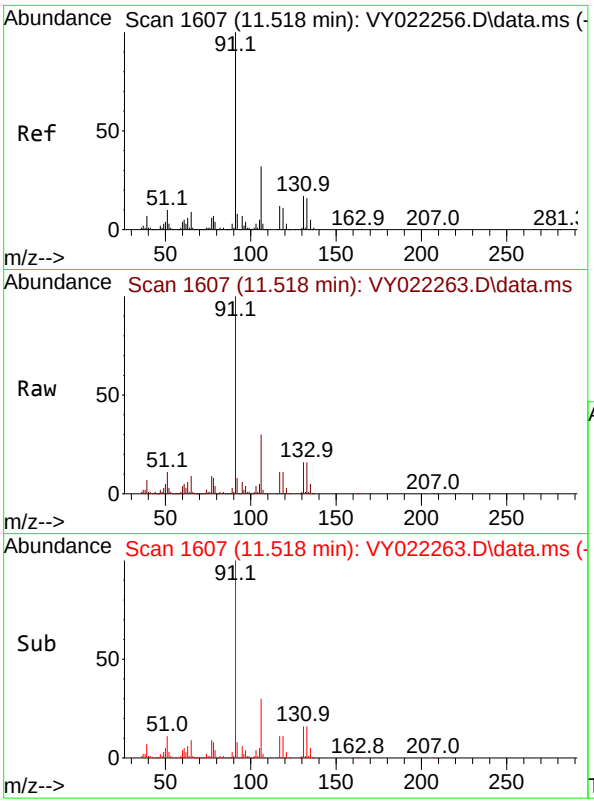


#66
1,1,1,2-Tetrachloroethane
Concen: 18.944 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:131 Resp: 50248

Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.3	141.9
119	68.3	33.1	99.2



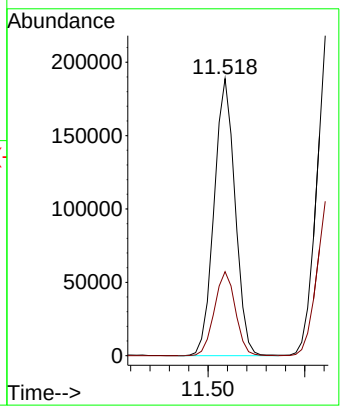


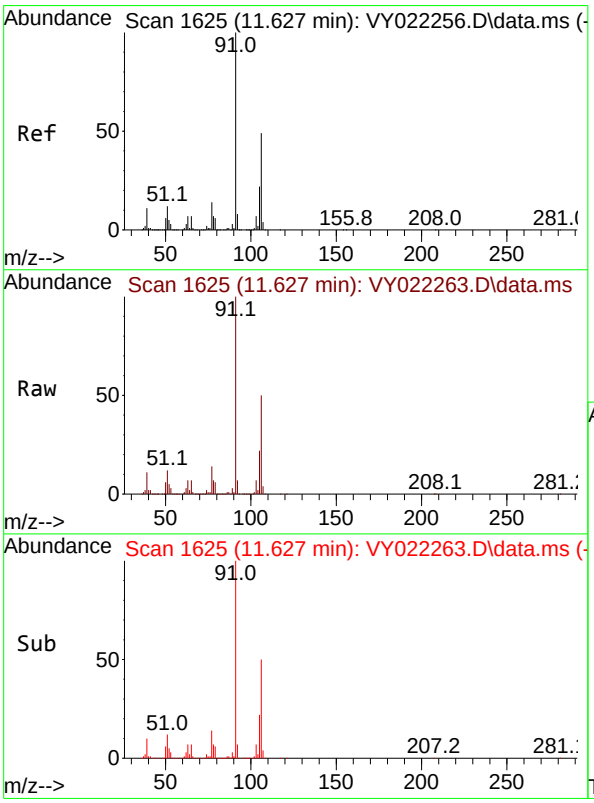
#67
Ethyl Benzene
Concen: 19.619 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 91 Resp: 283493

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.0

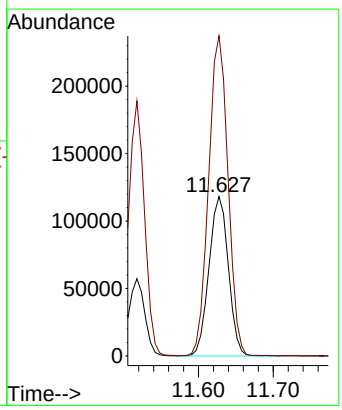


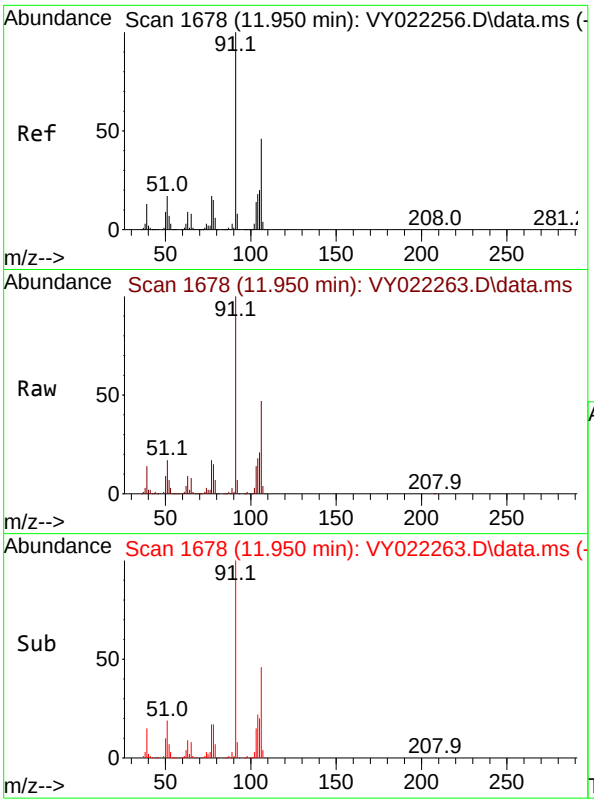


#68
m/p-Xylenes
Concen: 39.085 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:106 Resp: 212811

Ion	Ratio	Lower	Upper
106	100		
91	201.1	163.0	244.4



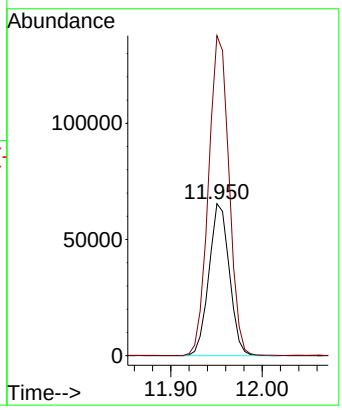


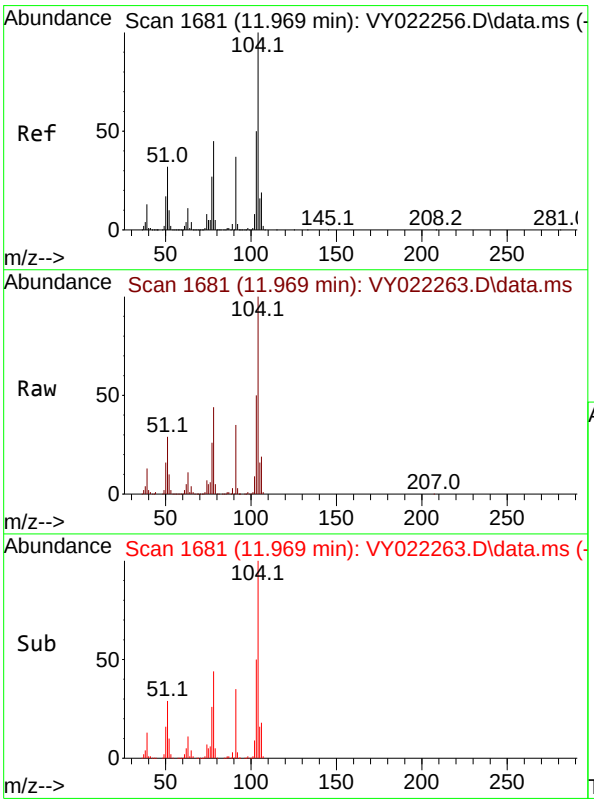
#69
o-Xylene
Concen: 19.677 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:106 Resp: 101365

Ion	Ratio	Lower	Upper
106	100		
91	211.6	108.3	324.8

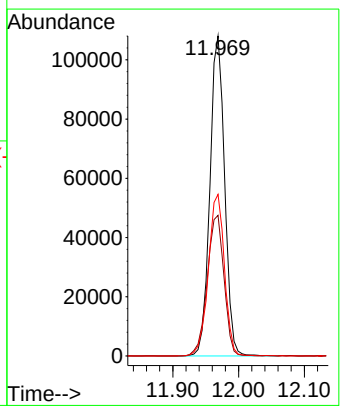


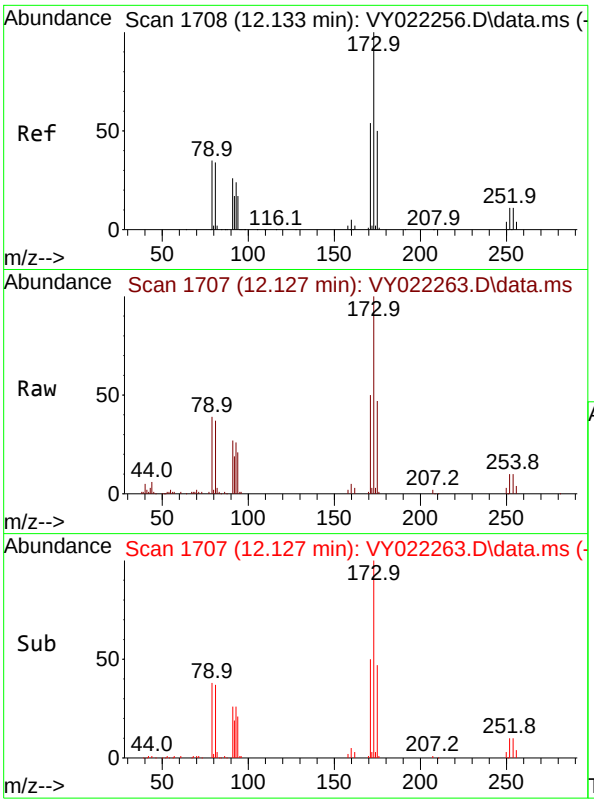


#70
Styrene
Concen: 19.418 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:104 Resp: 168741

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.9	61.3
103	55.1	43.7	65.5



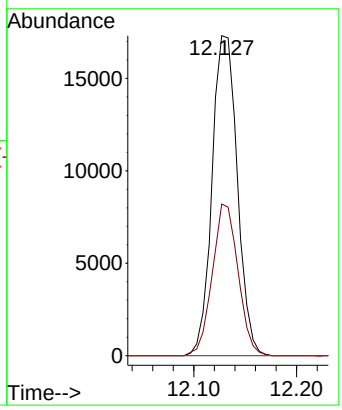


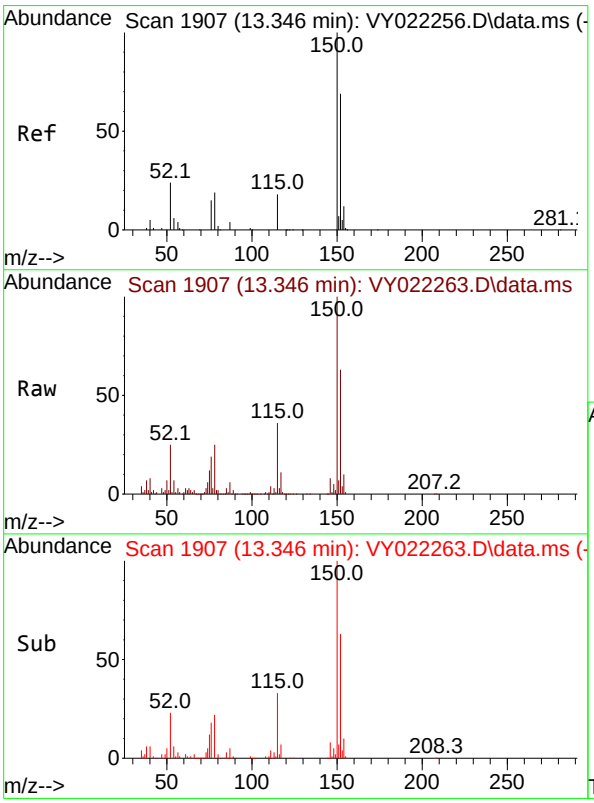
#71
Bromoform
Concen: 20.613 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:173 Resp: 29512

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.0	0.0	0.0

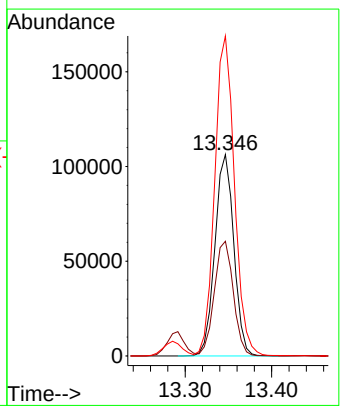


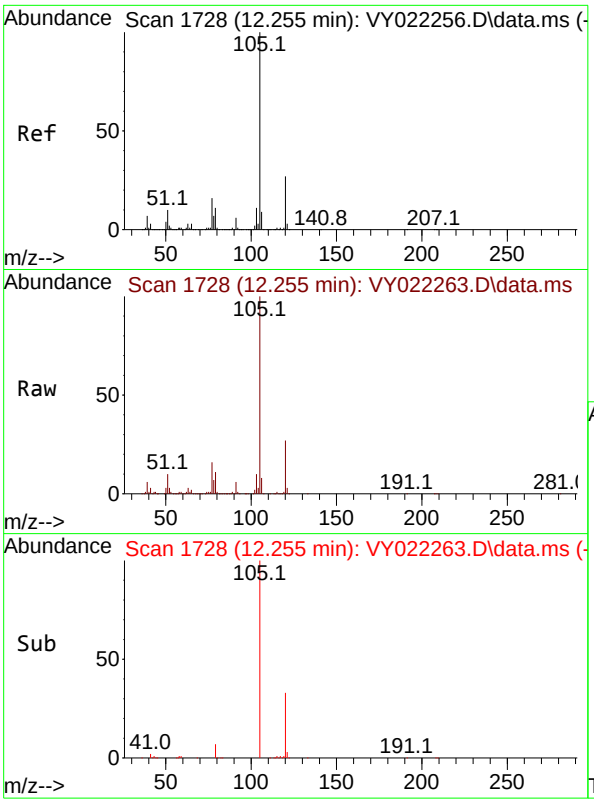


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:152 Resp: 161126

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.4	88.2
150	166.0	0.0	353.8



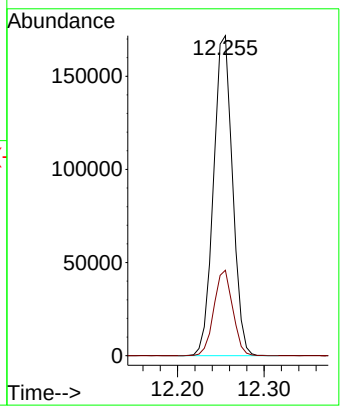


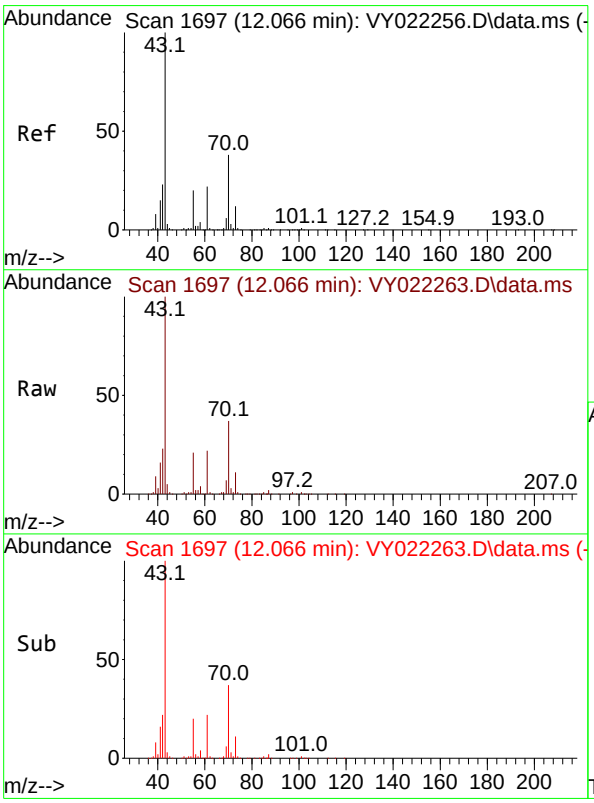
#73
Isopropylbenzene
Concen: 19.627 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:105 Resp: 261986

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

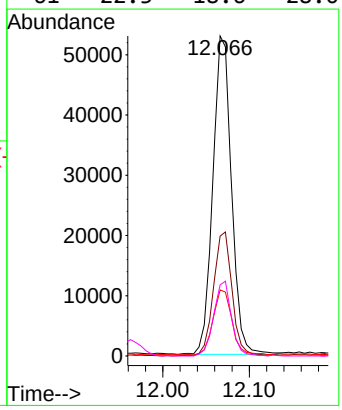


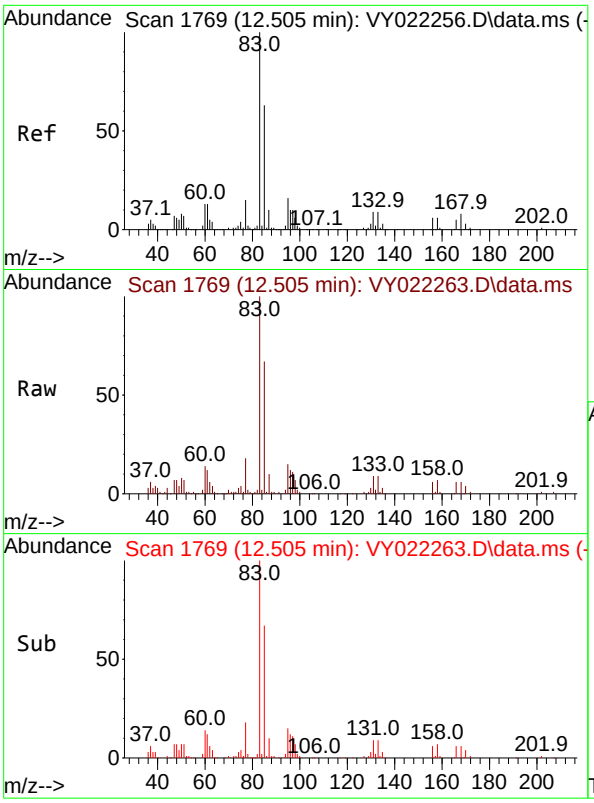


#74
N-amyl acetate
Concen: 20.747 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 43 Resp: 79208

Ion	Ratio	Lower	Upper
43	100		
70	38.8	31.4	47.0
55	20.3	17.0	25.6
61	22.3	18.6	28.0



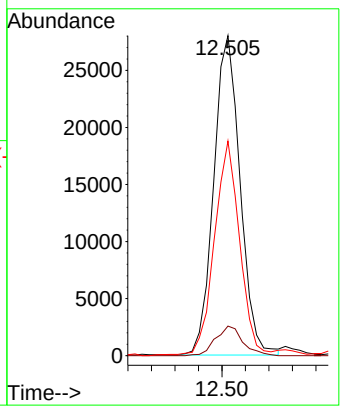


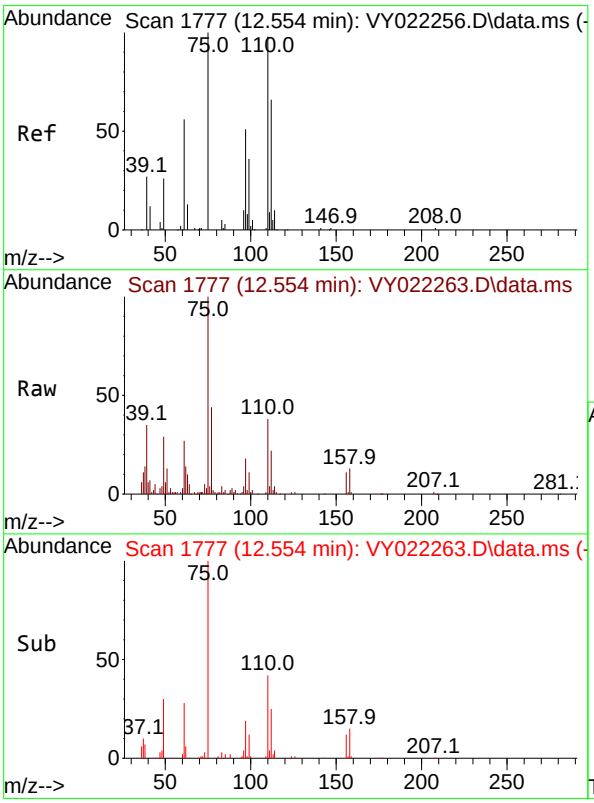
#75
1,1,2,2-Tetrachloroethane
Concen: 21.307 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 83 Resp: 43741

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.3	32.0	96.0

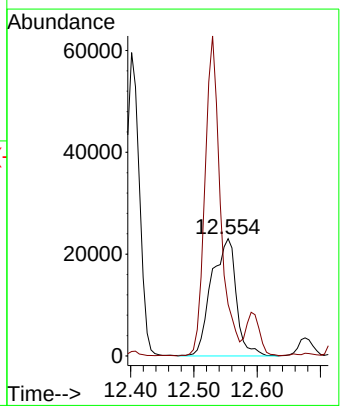


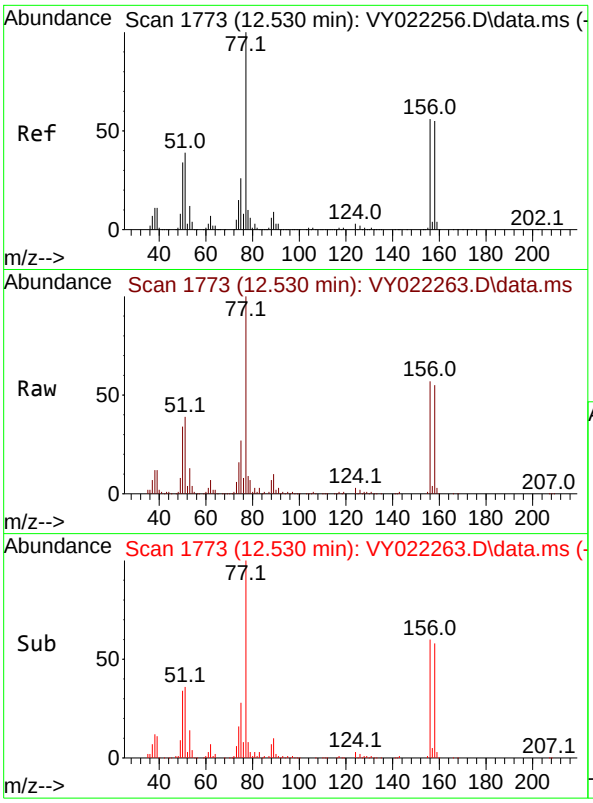


#76
1,2,3-Trichloropropane
Concen: 38.384 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 62657

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



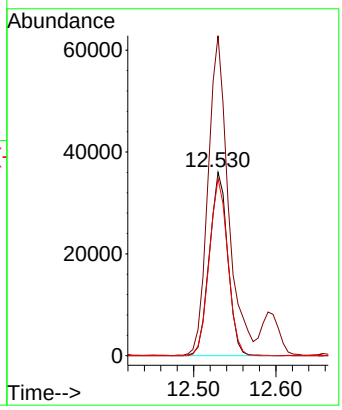


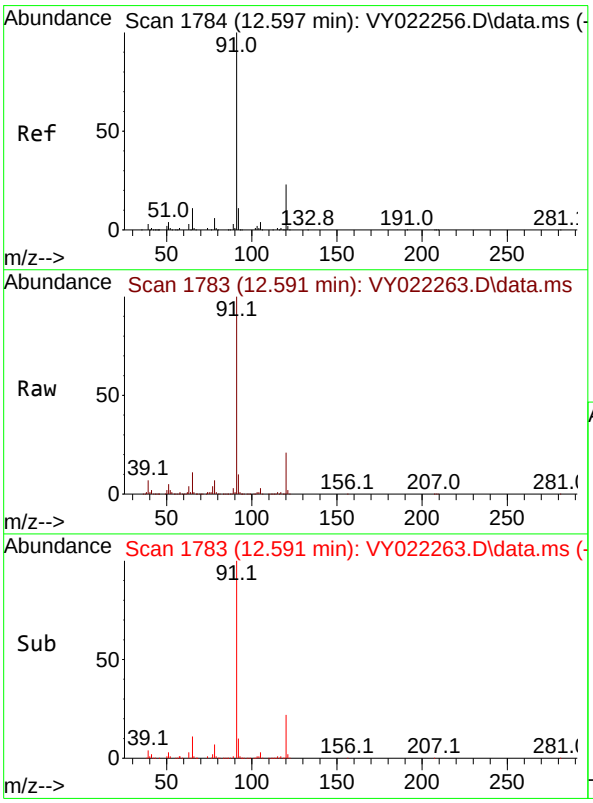
#77
Bromobenzene
Concen: 19.572 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:156 Resp: 55800

Ion	Ratio	Lower	Upper
156	100		
77	192.9	94.5	283.6
158	97.6	48.4	145.3

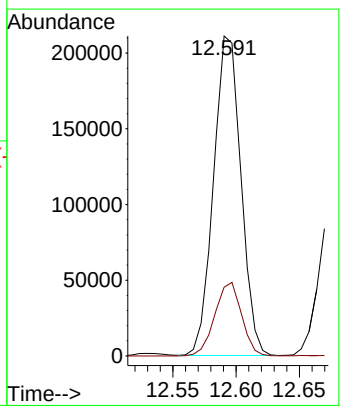


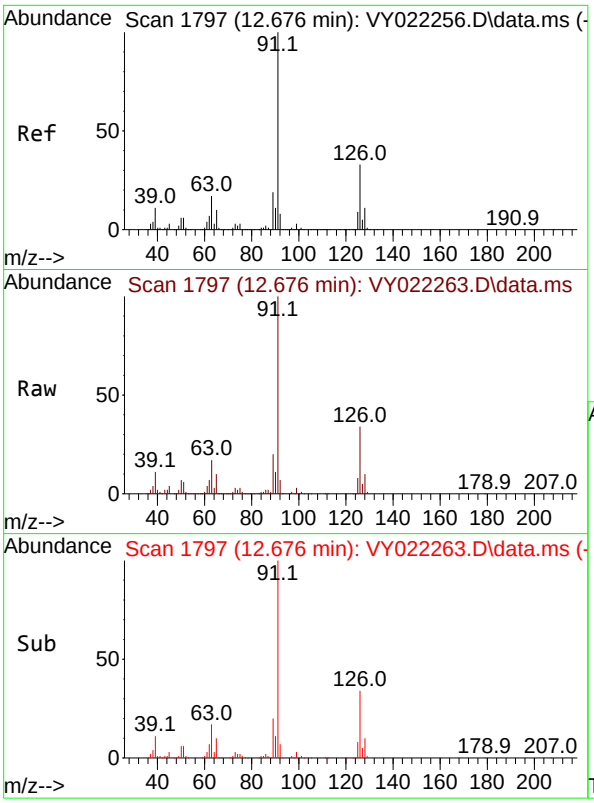


#78
n-propylbenzene
Concen: 19.730 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 317668

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3



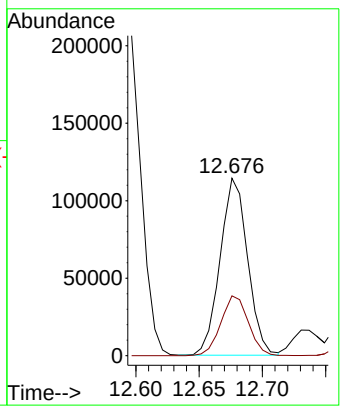


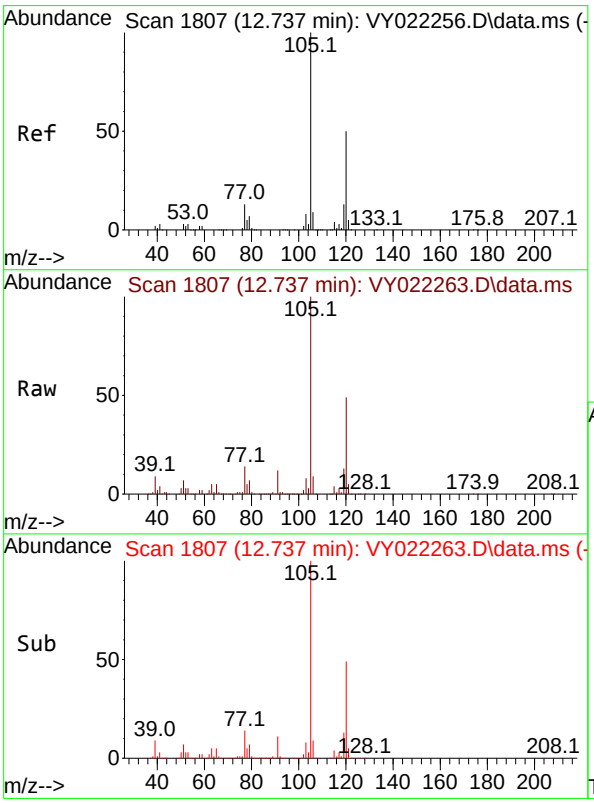
#79
2-Chlorotoluene
Concen: 19.530 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 91 Resp: 172805

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4

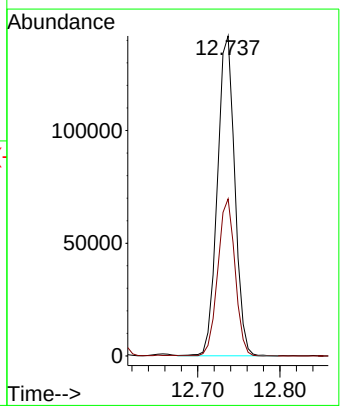


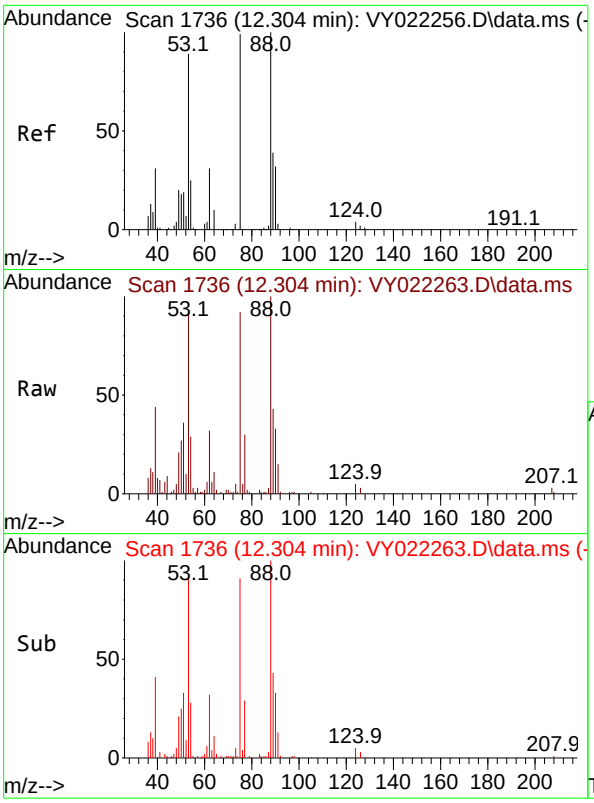


#80
1,3,5-Trimethylbenzene
Concen: 19.309 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:105 Resp: 208067

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6



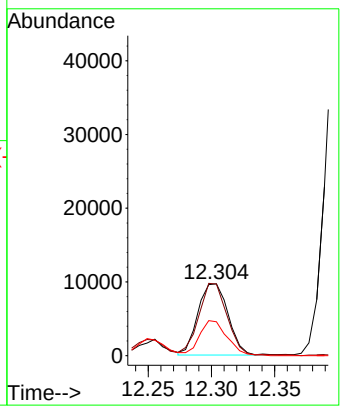


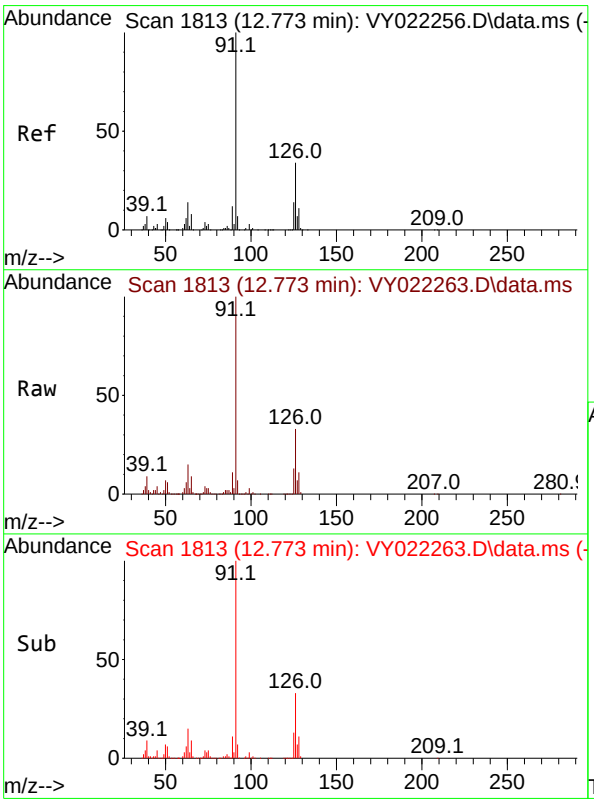
#81
trans-1,4-Dichloro-2-butene
Concen: 19.907 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 75 Resp: 16041

Ion	Ratio	Lower	Upper
75	100		
53	93.0	75.8	113.8
89	45.5	36.2	54.2

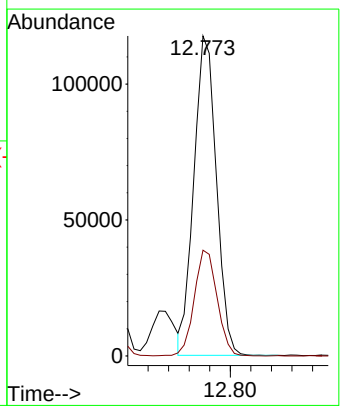


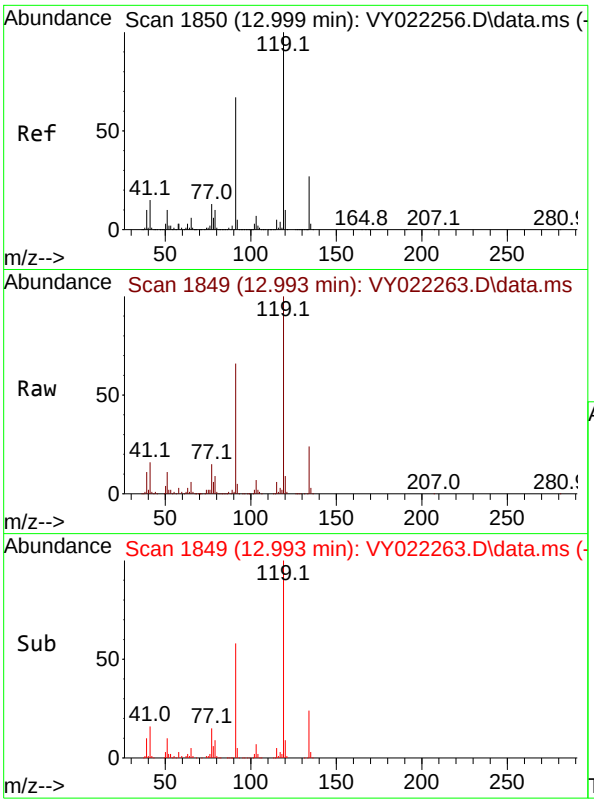


#82
4-Chlorotoluene
Concen: 19.663 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 91 Resp: 178952

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4



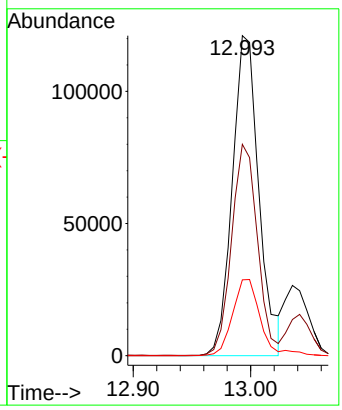


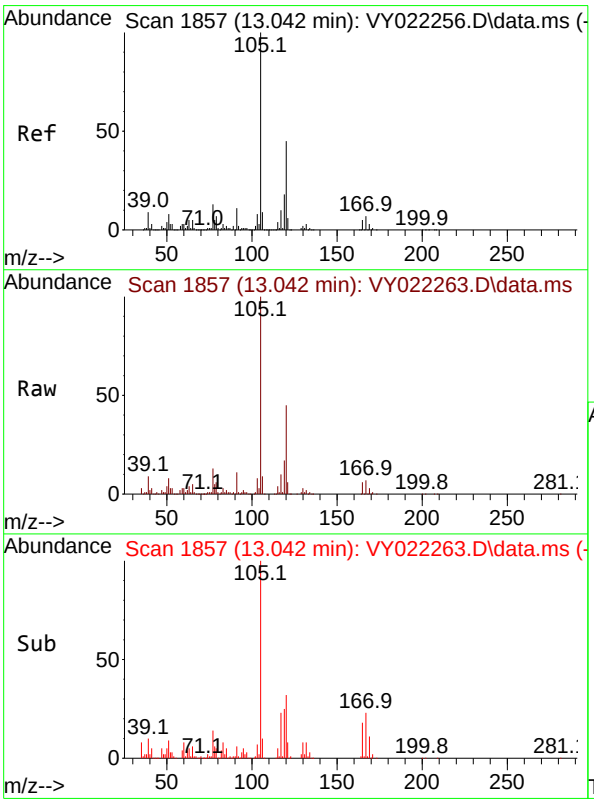
#83
tert-Butylbenzene
Concen: 19.898 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:119 Resp: 190568

Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	24.9	12.9	38.6

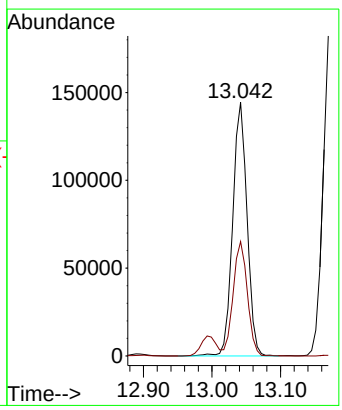


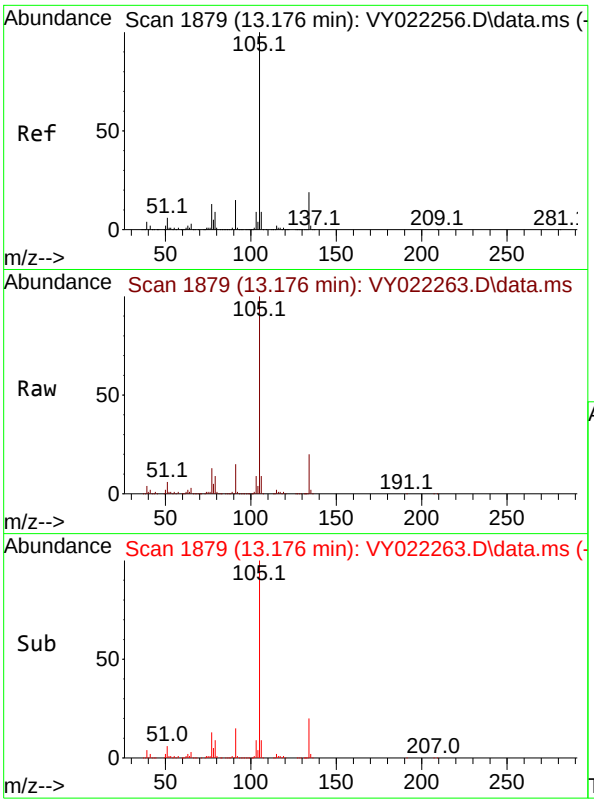


#84
1,2,4-Trimethylbenzene
Concen: 19.646 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:105 Resp: 210149

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9



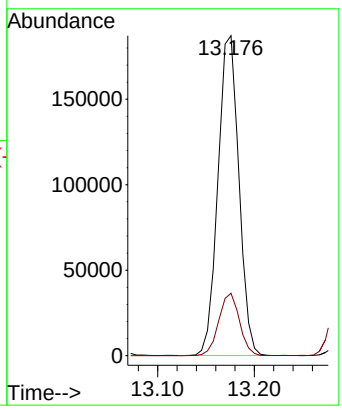


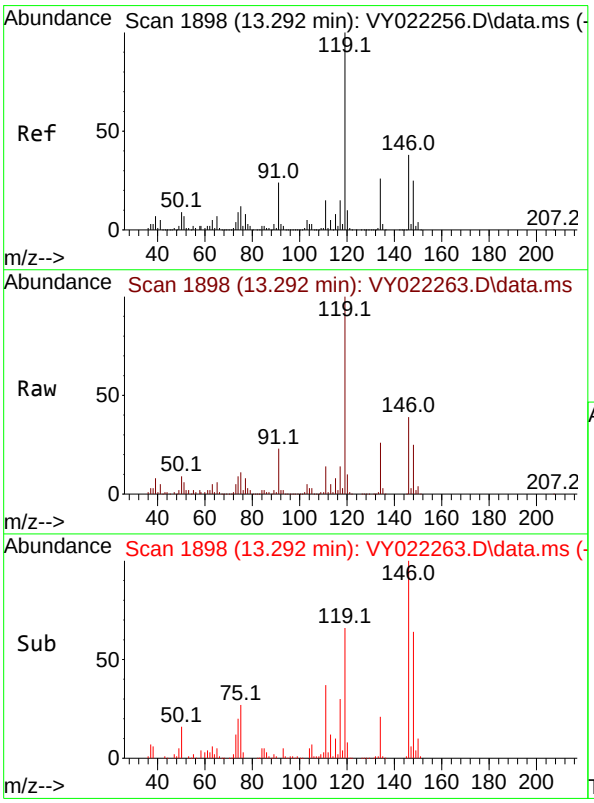
#85
sec-Butylbenzene
Concen: 19.768 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:105 Resp: 281045

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

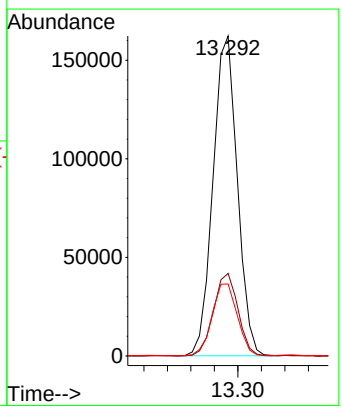


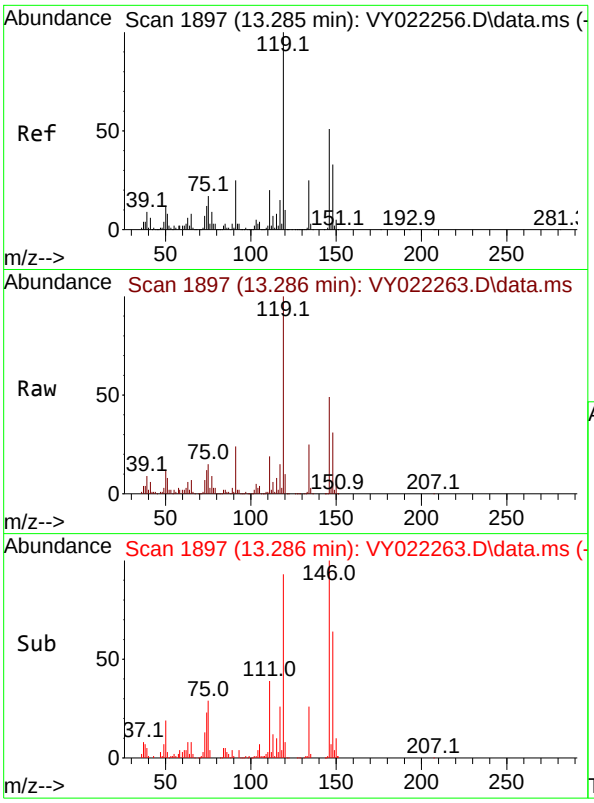


#86
p-Isopropyltoluene
Concen: 19.488 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:119 Resp: 233015

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	23.4	12.1	36.3



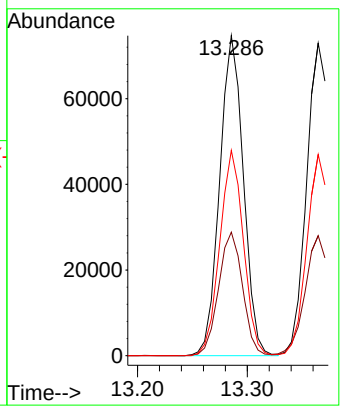


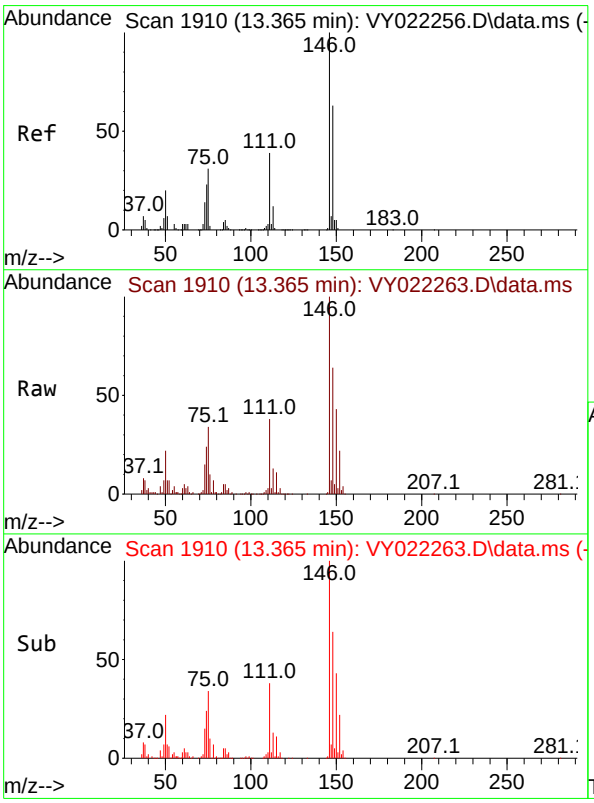
#87
1,3-Dichlorobenzene
Concen: 19.326 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:146 Resp: 112481

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.7
148	63.8	31.9	95.7

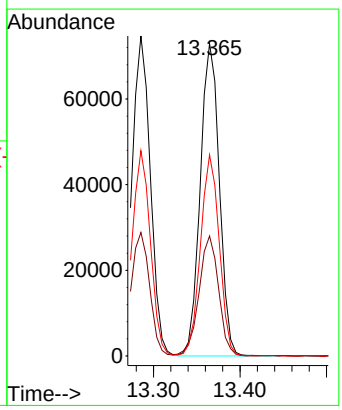


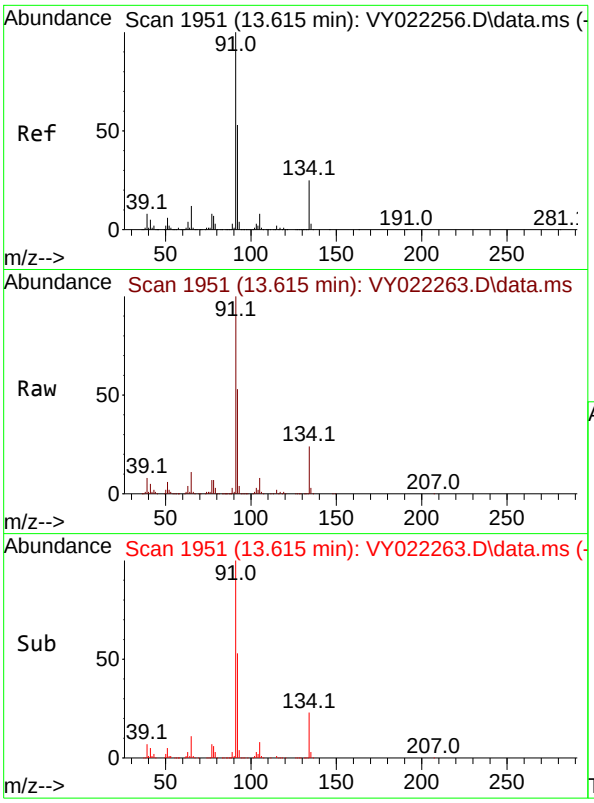


#88
1,4-Dichlorobenzene
Concen: 19.976 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:146 Resp: 111832

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	63.4	32.1	96.5



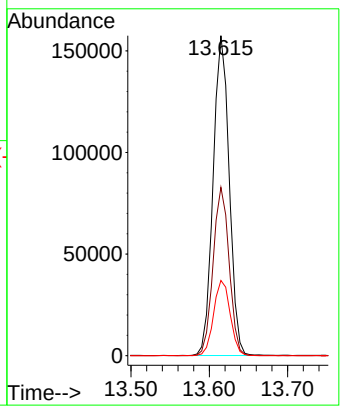


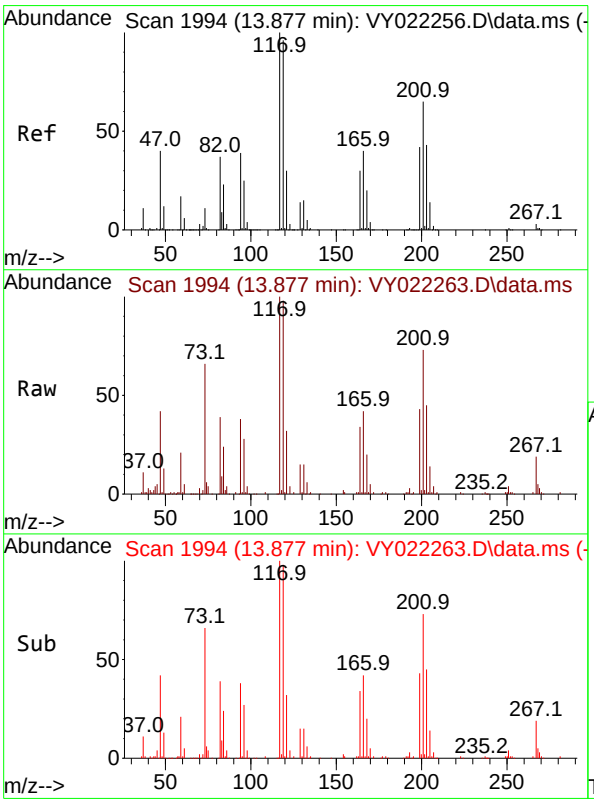
#89
n-Butylbenzene
Concen: 19.906 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion: 91 Resp: 225170

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	24.2	12.4	37.4

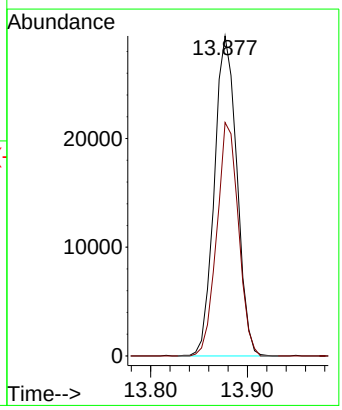


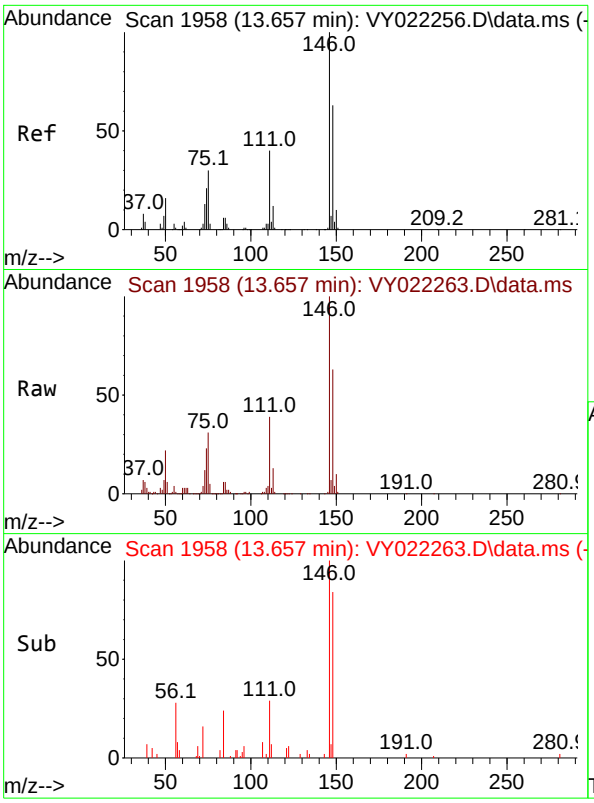


#90
Hexachloroethane
Concen: 19.695 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:117 Resp: 47537

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6



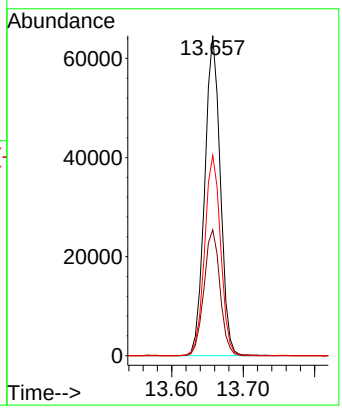


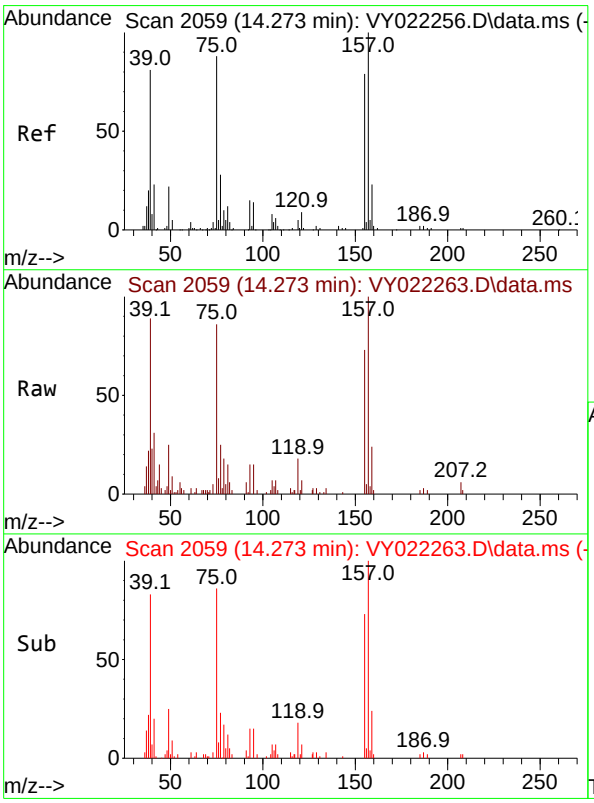
#91
1,2-Dichlorobenzene
Concen: 19.962 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:146 Resp: 97586

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.5
148	64.2	32.0	96.0

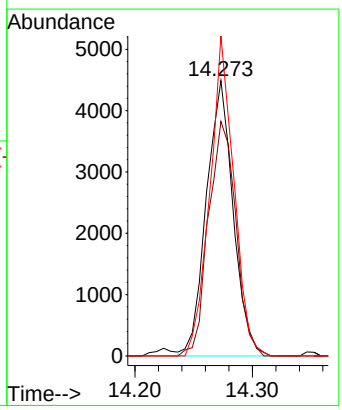


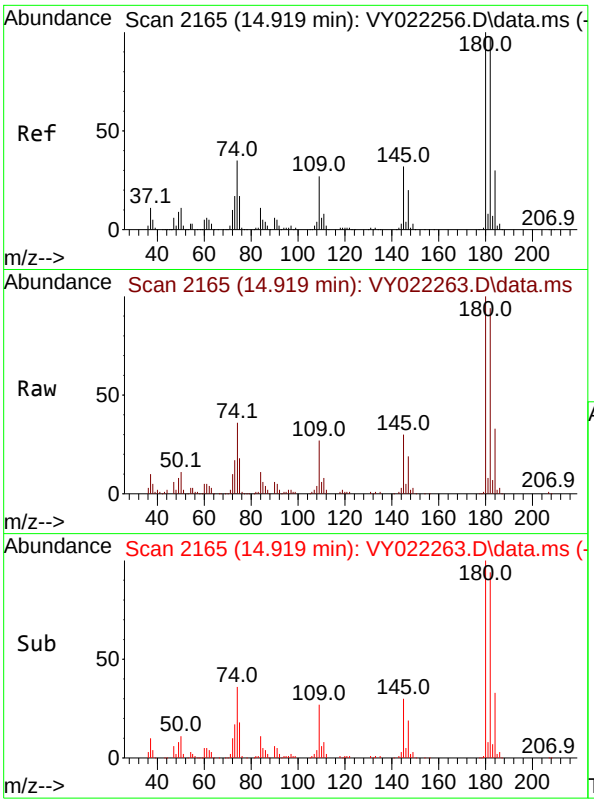


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.427 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion: 75 Resp: 7093

Ion	Ratio	Lower	Upper
75	100		
155	86.9	43.4	130.1
157	104.4	54.6	163.9



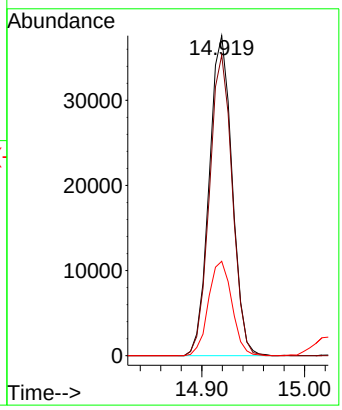


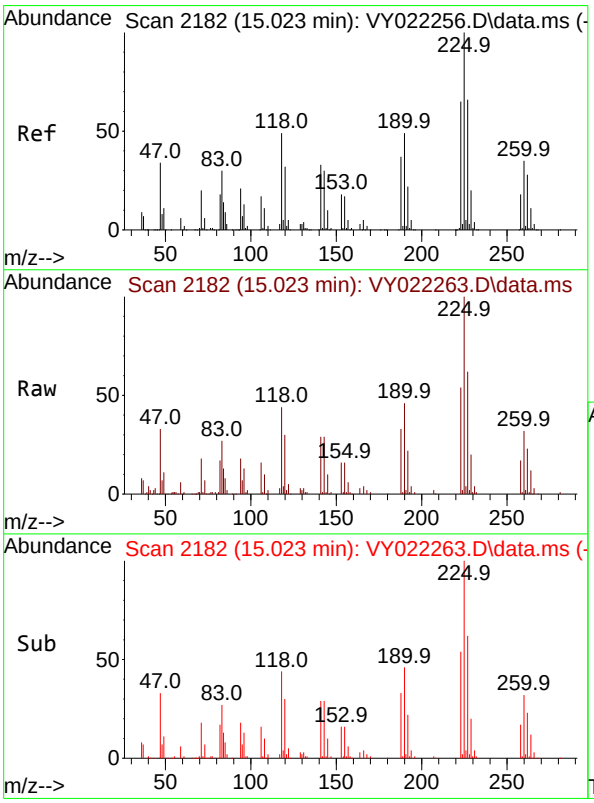
#93
1,2,4-Trichlorobenzene
Concen: 20.591 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:180 Resp: 58146

Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.0
145	30.2	15.0	45.1

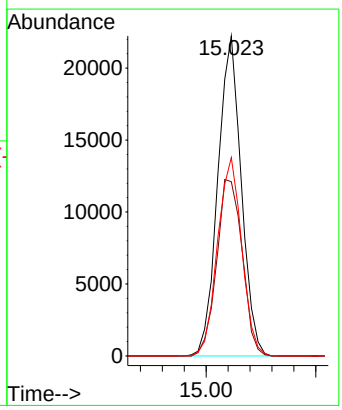


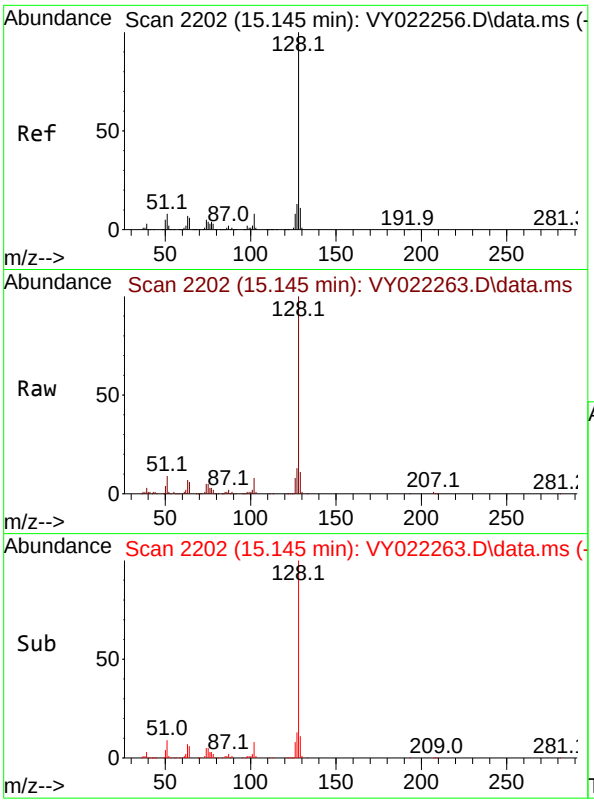


#94
Hexachlorobutadiene
Concen: 20.955 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:225 Resp: 33000

Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.5	94.5
227	63.9	32.1	96.3



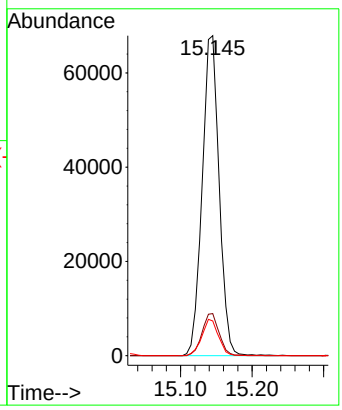


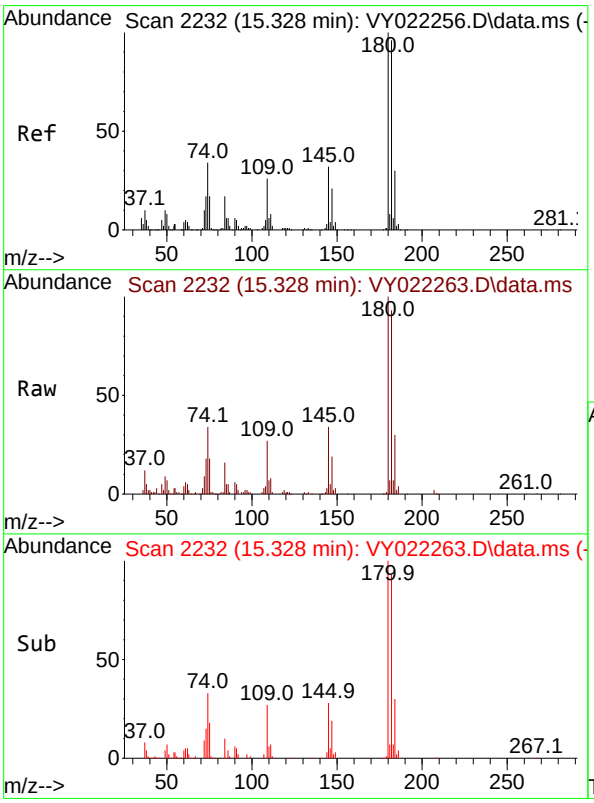
#95
Naphthalene
Concen: 20.890 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0515SBSD01

Tgt Ion:128 Resp: 111947

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.1	8.8	13.2

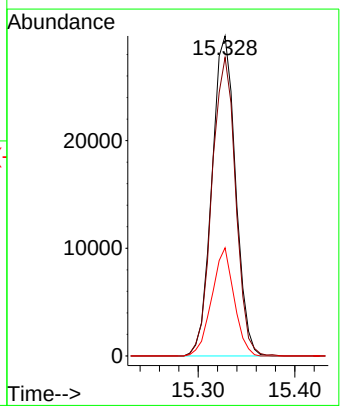




#96
1,2,3-Trichlorobenzene
Concen: 21.049 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022263.D
Acq: 15 May 2025 14:29

Tgt Ion:180 Resp: 50425

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.1	141.3
145	31.9	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	200166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	304640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117866	53.878	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.760%			
35) Dibromofluoromethane	7.634	113	110158	52.681	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.360%			
50) Toluene-d8	10.103	98	442242	51.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.401	95	133714	49.259	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	95204	45.582	ug/l	98
3) Chloromethane	2.068	50	200223	45.571	ug/l	100
4) Vinyl Chloride	2.202	62	258263	52.613	ug/l	96
5) Bromomethane	2.592	94	197048	49.312	ug/l	94
6) Chloroethane	2.732	64	176506	57.798	ug/l	99
7) Trichlorofluoromethane	3.049	101	250861	50.476	ug/l	100
8) Diethyl Ether	3.452	74	60490	50.717	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	104255	48.320	ug/l	99
10) Methyl Iodide	4.000	142	131696	52.738	ug/l	100
11) Tert butyl alcohol	4.866	59	40595	243.003	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	105573	49.308	ug/l	99
13) Acrolein	3.647	56	48235	197.507	ug/l	100
14) Allyl chloride	4.385	41	181793	48.423	ug/l	96
15) Acrylonitrile	5.055	53	126006	256.397	ug/l	99
16) Acetone	3.866	43	92726	226.053	ug/l	99
17) Carbon Disulfide	4.104	76	349244	50.021	ug/l	99
18) Methyl Acetate	4.378	43	85059	65.768	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	303808	51.461	ug/l	99
20) Methylene Chloride	4.616	84	127944	48.271	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	120885	51.151	ug/l	98
22) Diisopropyl ether	6.018	45	400400	50.504	ug/l	98
23) Vinyl Acetate	5.957	43	1086547	226.852	ug/l	98
24) 1,1-Dichloroethane	5.915	63	226971	51.243	ug/l	97
25) 2-Butanone	6.890	43	163842	238.789	ug/l	99
26) 2,2-Dichloropropane	6.884	77	179803	45.640	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	141795	51.993	ug/l	98
28) Bromochloromethane	7.244	49	101573	53.763	ug/l	100
29) Tetrahydrofuran	7.262	42	111339	252.225	ug/l	98
30) Chloroform	7.421	83	224372	52.812	ug/l	98
31) Cyclohexane	7.701	56	200037	45.201	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	194589	49.923	ug/l	99
36) 1,1-Dichloropropene	7.835	75	159907	46.428	ug/l	98
37) Ethyl Acetate	6.988	43	75333	45.459	ug/l	99
38) Carbon Tetrachloride	7.817	117	166240	46.629	ug/l	99
39) Methylcyclohexane	9.109	83	210935	45.585	ug/l	97
40) Benzene	8.079	78	503565	49.319	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	41090	37.379	ug/l	#	74
42) 1,2-Dichloroethane	8.158	62	134356	48.660	ug/l		99
43) Isopropyl Acetate	8.195	43	165989	45.928	ug/l		99
44) Trichloroethene	8.865	130	123509	48.649	ug/l		100
45) 1,2-Dichloropropane	9.140	63	120095	48.787	ug/l		100
46) Dibromomethane	9.231	93	64278	48.413	ug/l		99
47) Bromodichloromethane	9.420	83	172091	49.963	ug/l		100
48) Methyl methacrylate	9.219	41	80618	47.699	ug/l		98
49) 1,4-Dioxane	9.225	88	14533	968.930	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	417595	235.486	ug/l		98
52) Toluene	10.170	92	315520	48.800	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	158866	47.262	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	184284	47.851	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	83201	48.937	ug/l		99
56) Ethyl methacrylate	10.438	69	126764	47.866	ug/l		100
57) 1,3-Dichloropropane	10.713	76	147656	48.881	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	317597	267.180	ug/l		100
59) 2-Hexanone	10.761	43	273295	229.855	ug/l		99
60) Dibromochloromethane	10.908	129	107741	48.824	ug/l		98
61) 1,2-Dibromoethane	11.011	107	76587	48.332	ug/l		99
64) Tetrachloroethene	10.646	164	134690	47.833	ug/l		97
65) Chlorobenzene	11.438	112	330781	48.128	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	112943	47.800	ug/l		98
67) Ethyl Benzene	11.517	91	612536	47.588	ug/l		98
68) m/p-Xylenes	11.627	106	462177	95.289	ug/l		100
69) o-Xylene	11.950	106	220371	48.022	ug/l		98
70) Styrene	11.969	104	374912	48.433	ug/l		99
71) Bromoform	12.133	173	60098	47.123	ug/l	#	97
73) Isopropylbenzene	12.255	105	566596	47.714	ug/l		100
74) N-amyl acetate	12.066	43	148480	43.719	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87608	47.972	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	124823	85.957	ug/l	#	100
77) Bromobenzene	12.529	156	122958	48.481	ug/l		98
78) n-propylbenzene	12.596	91	680966	47.543	ug/l		100
79) 2-Chlorotoluene	12.676	91	375886	47.755	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	455782	47.548	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	30112	42.006	ug/l		98
82) 4-Chlorotoluene	12.773	91	384865	47.537	ug/l		100
83) tert-Butylbenzene	12.993	119	406701	47.735	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	454585	47.773	ug/l		100
85) sec-Butylbenzene	13.176	105	599530	47.404	ug/l		99
86) p-Isopropyltoluene	13.291	119	503789	47.362	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	245939	47.502	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	238952	47.980	ug/l		98
89) n-Butylbenzene	13.615	91	473672	47.071	ug/l		100
90) Hexachloroethane	13.877	117	101787	47.405	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	211496	48.631	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13683	46.464	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	116136	46.231	ug/l		98
94) Hexachlorobutadiene	15.023	225	62944	44.930	ug/l		99
95) Naphthalene	15.145	128	219362	46.015	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	98613	46.274	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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

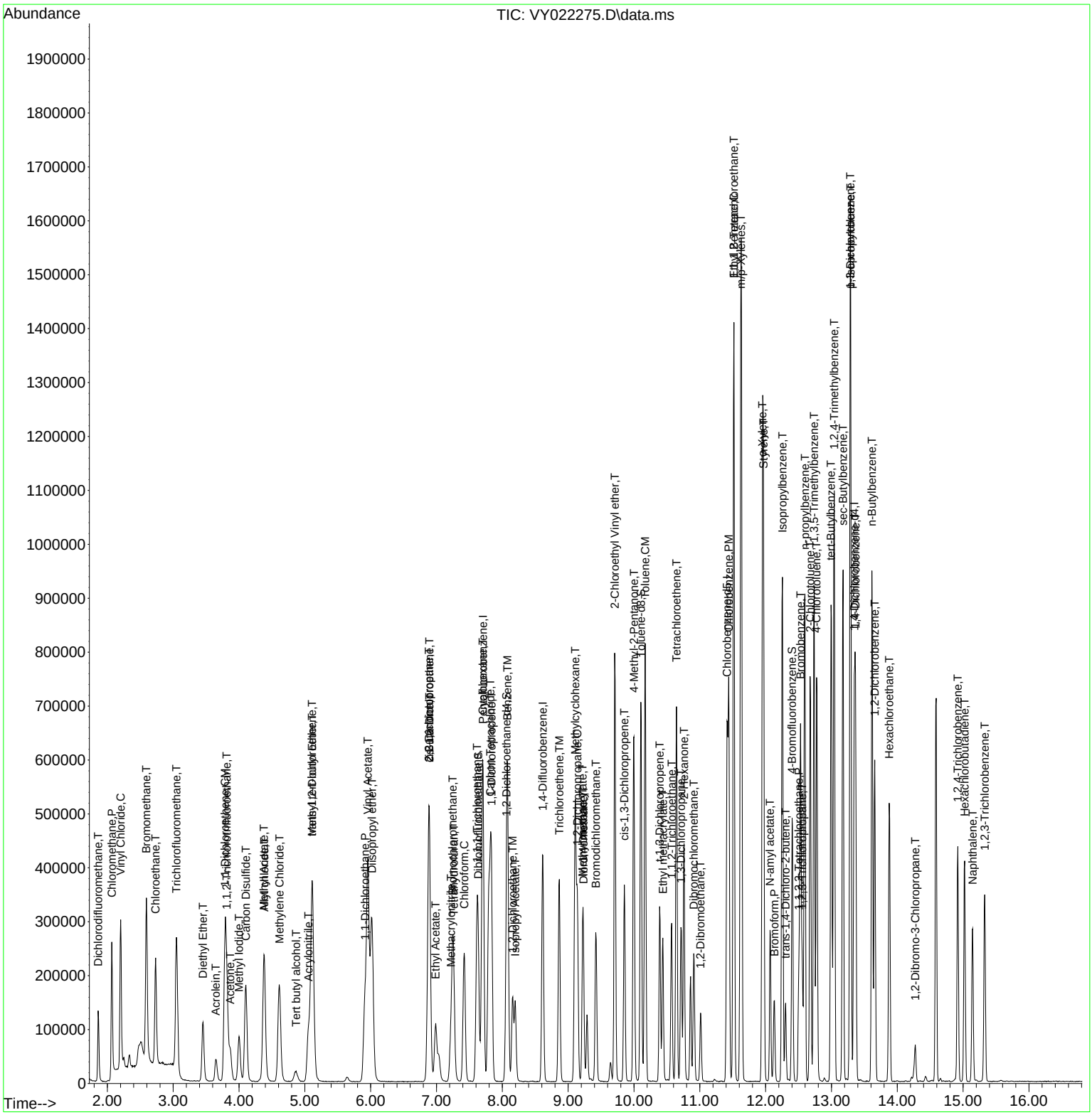
(#) = qualifier out of range (m) = manual integration (+) = signals summed

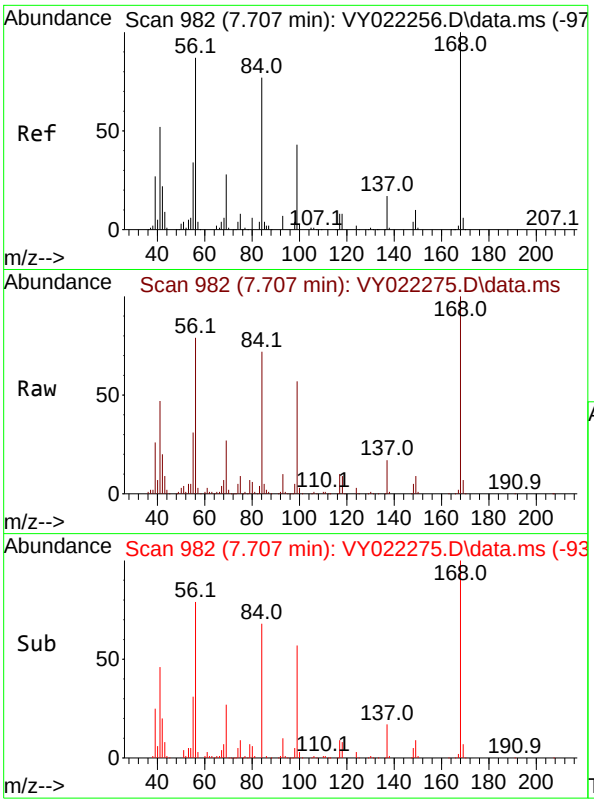
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022275.D
Acq On : 15 May 2025 19:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 16 02:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



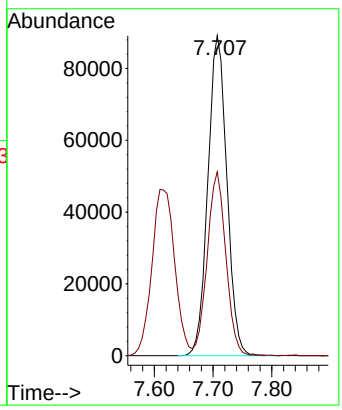


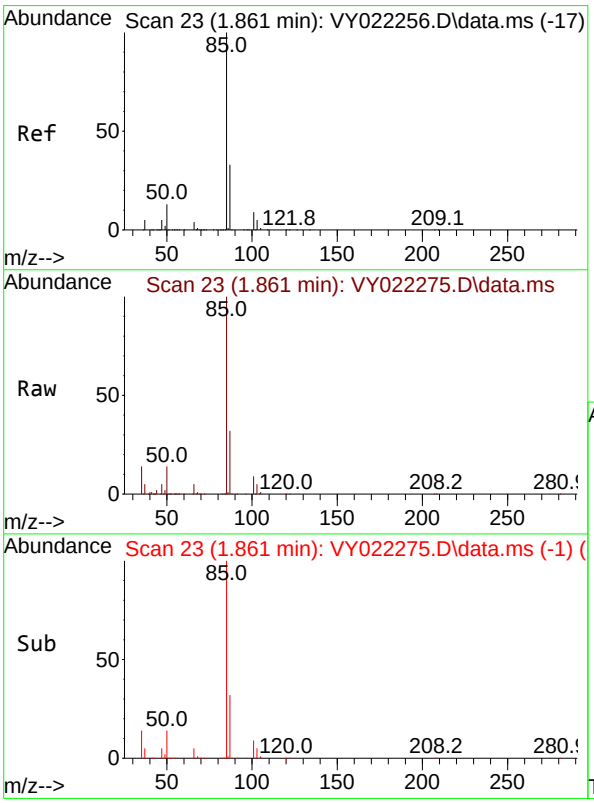
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 200166

Ion	Ratio	Lower	Upper
168	100		
99	57.5	44.2	66.4

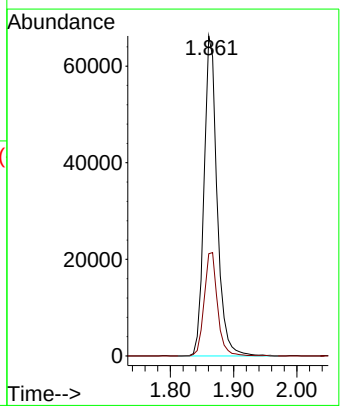


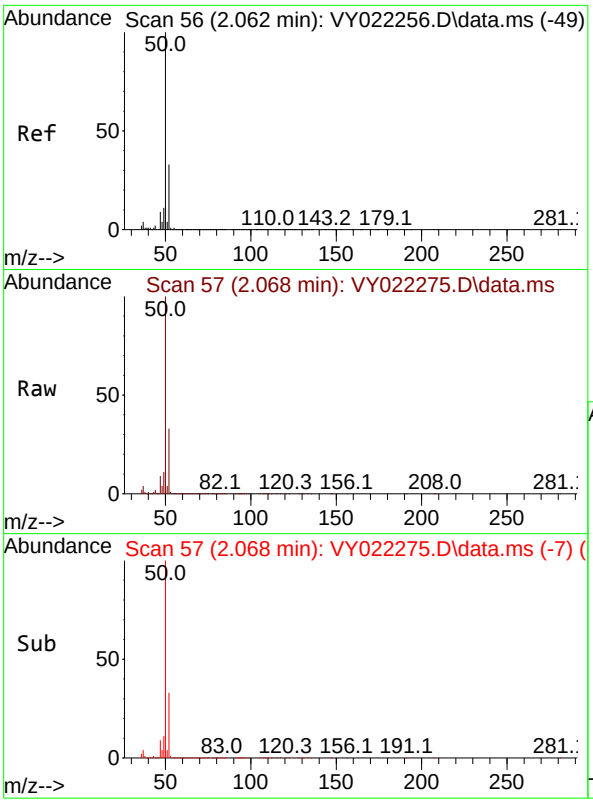


#2
Dichlorodifluoromethane
Concen: 45.582 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 85 Resp: 95204

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.5	49.5



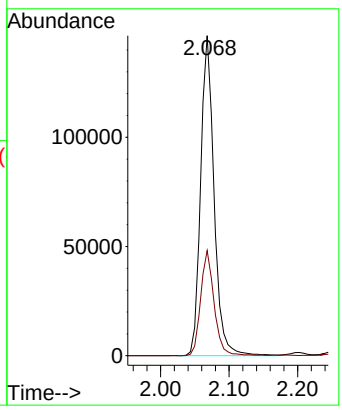


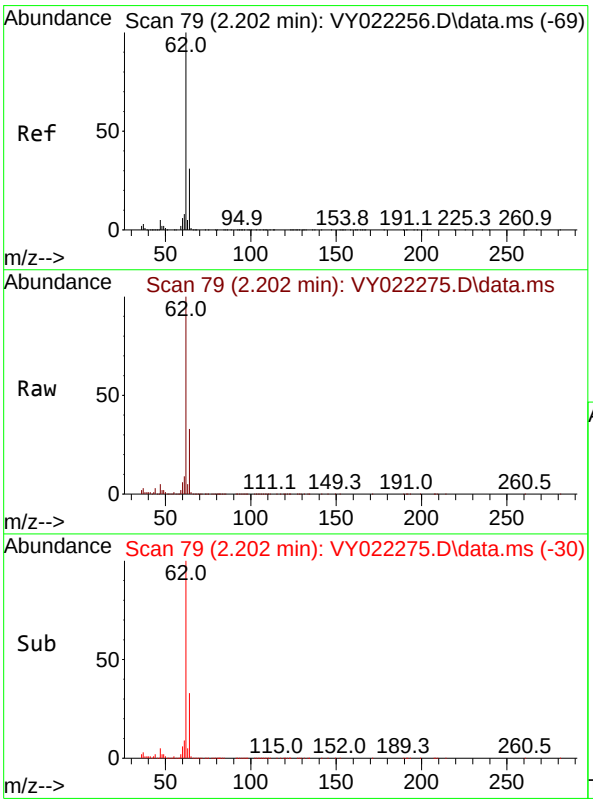
#3
Chloromethane
Concen: 45.571 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 200223

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7

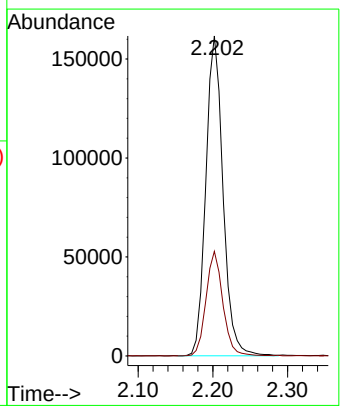


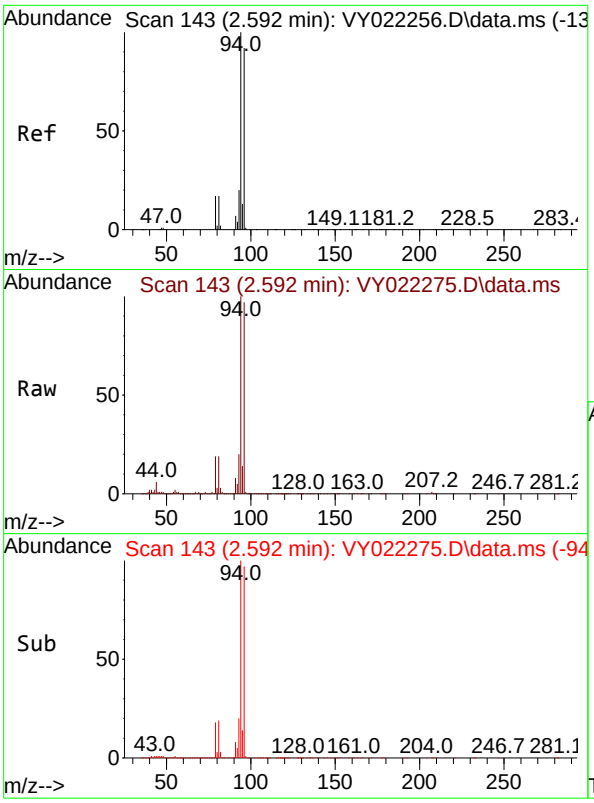


#4
Vinyl Chloride
Concen: 52.613 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 62 Resp: 258263

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.5	36.7



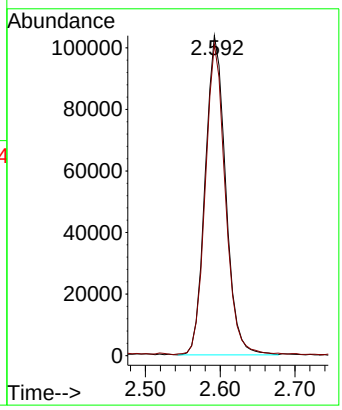


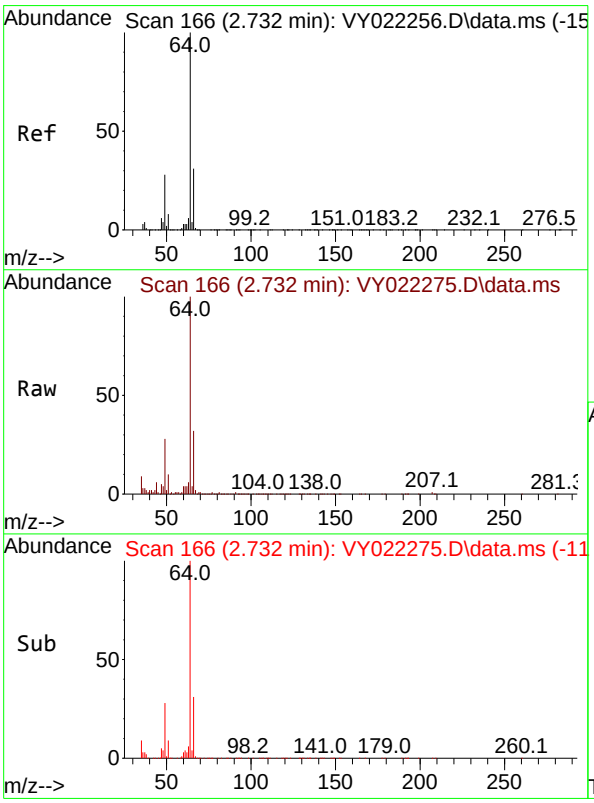
#5
Bromomethane
Concen: 49.312 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 197048

Ion	Ratio	Lower	Upper
94	100		
96	97.1	73.4	110.0

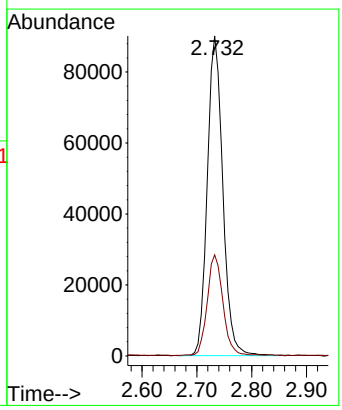


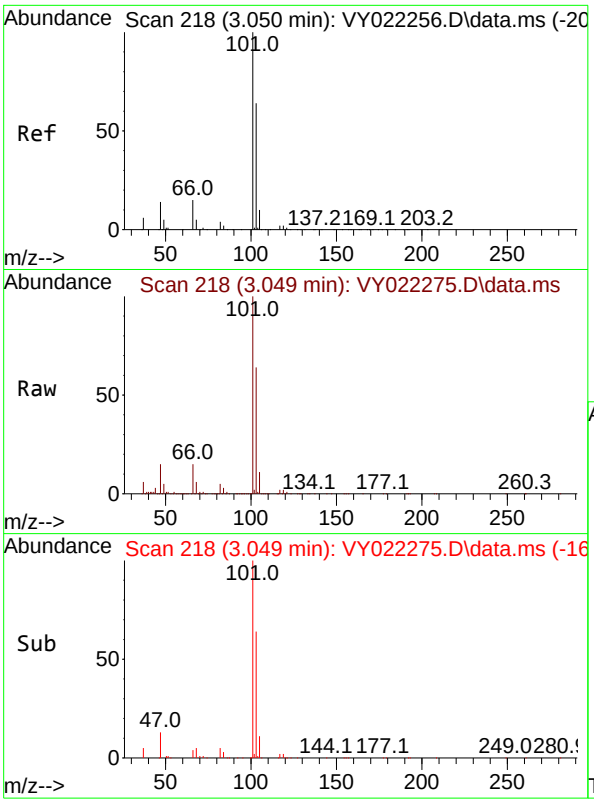


#6
Chloroethane
Concen: 57.798 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 64 Resp: 176506

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.8	37.2



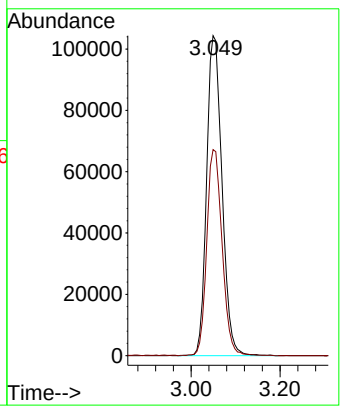


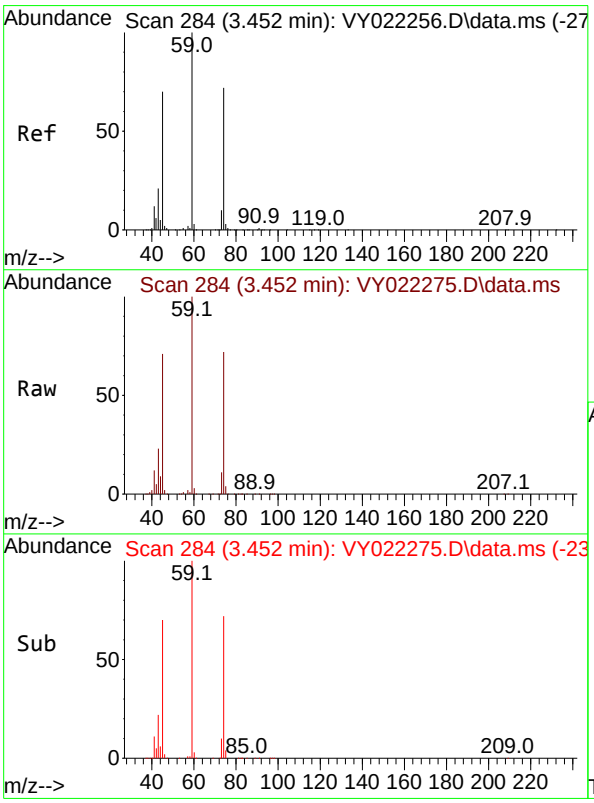
#7
Trichlorofluoromethane
Concen: 50.476 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 250861

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

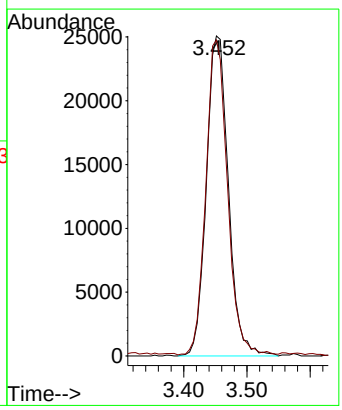


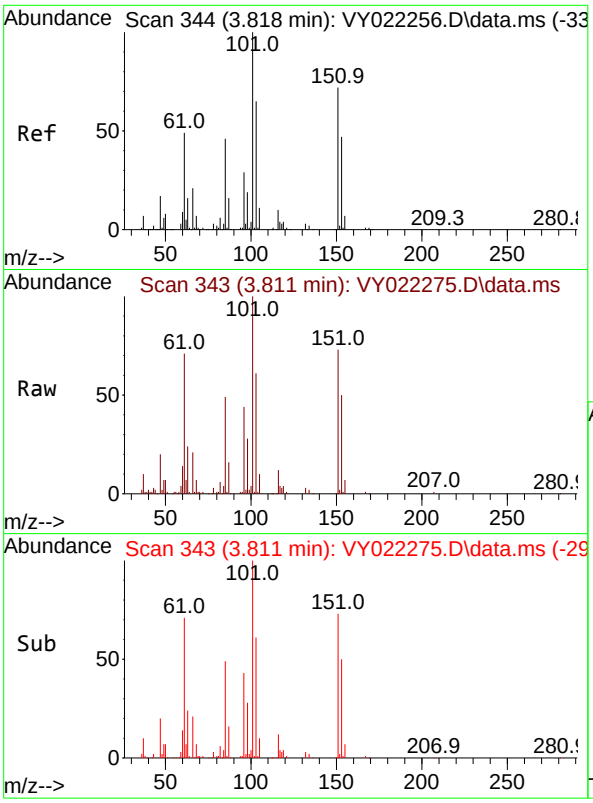


#8
Diethyl Ether
Concen: 50.717 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 74 Resp: 60490

Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8



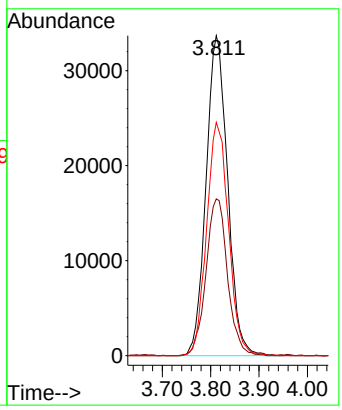


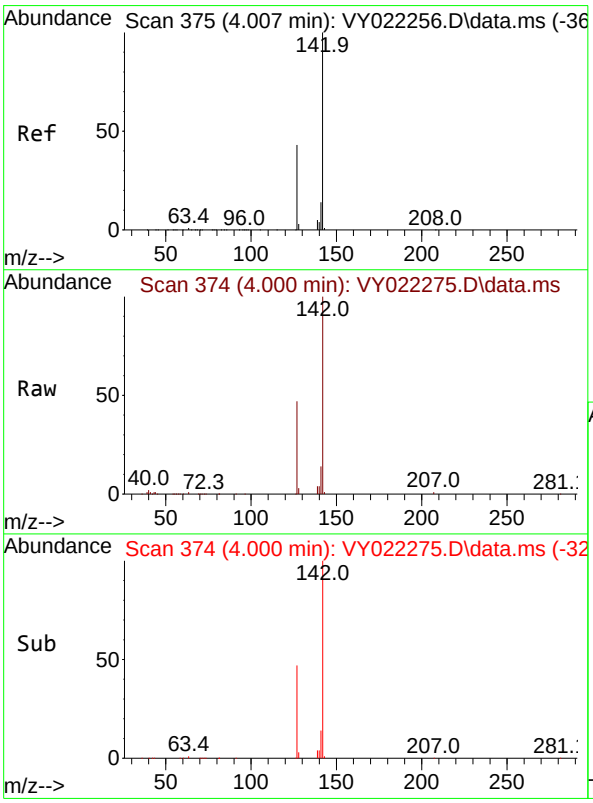
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.320 ug/l
RT: 3.811 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 104255

Ion	Ratio	Lower	Upper
101	100		
85	49.0	38.6	58.0
151	74.1	59.7	89.5

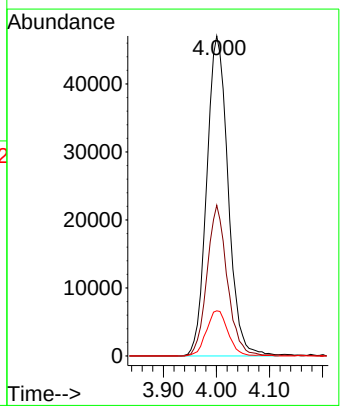


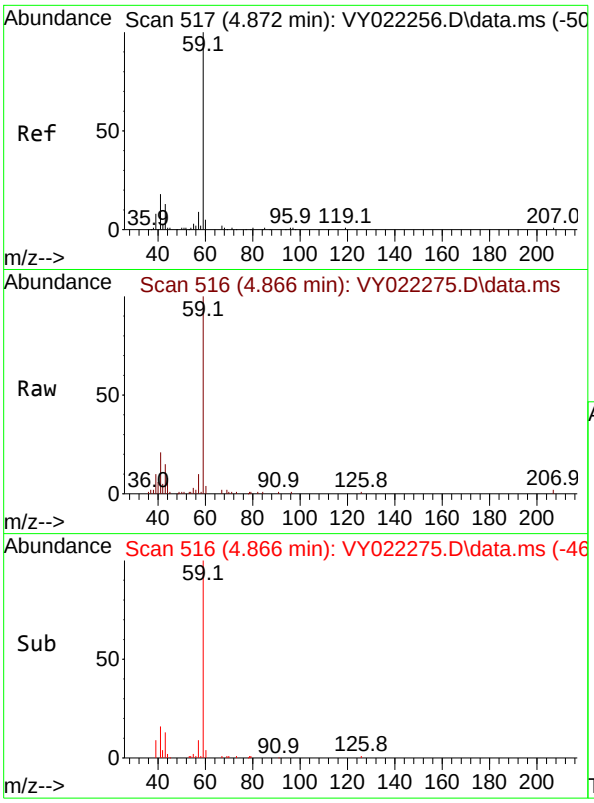


#10
Methyl Iodide
Concen: 52.738 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:142 Resp: 131696

Ion	Ratio	Lower	Upper
142	100		
127	44.7	35.7	53.5
141	14.3	11.1	16.7



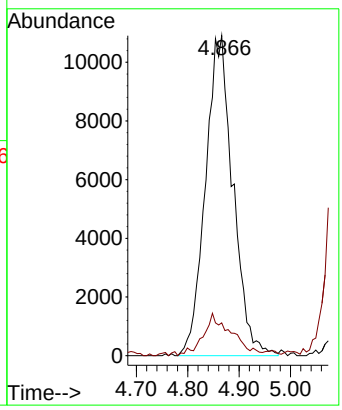


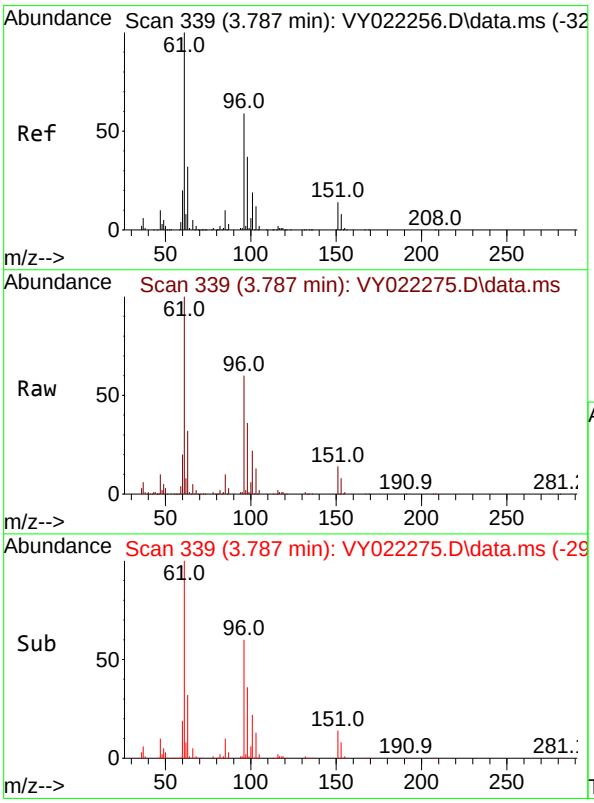
#11
Tert butyl alcohol
Concen: 243.003 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 40595

Ion	Ratio	Lower	Upper
59	100		
57	13.5	0.0	0.0#

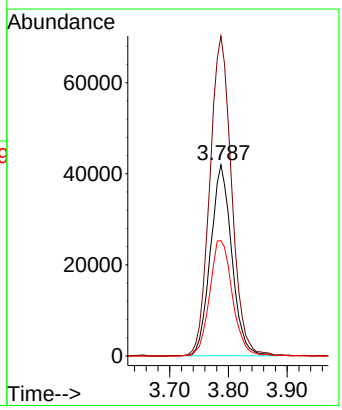


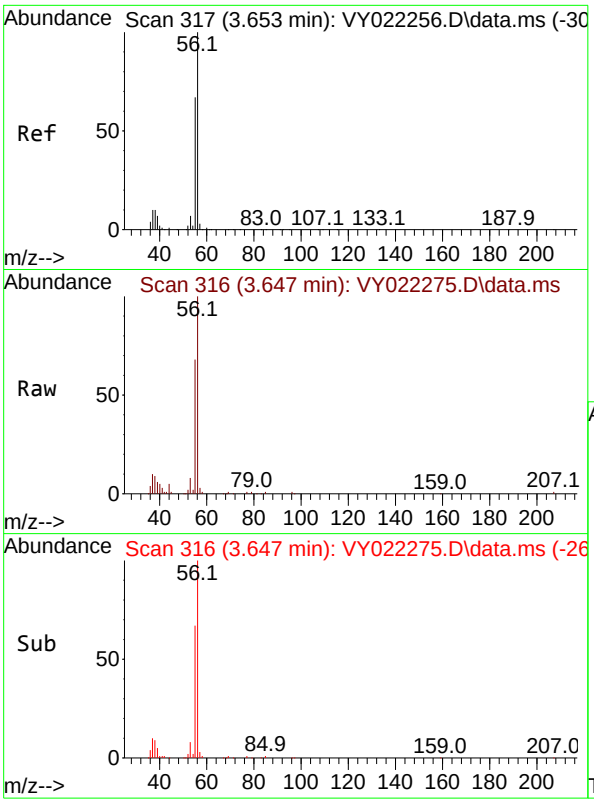


#12
1,1-Dichloroethene
Concen: 49.308 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 96 Resp: 105573

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.9	202.3
98	60.4	49.9	74.9



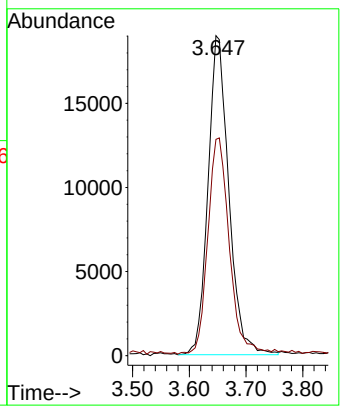


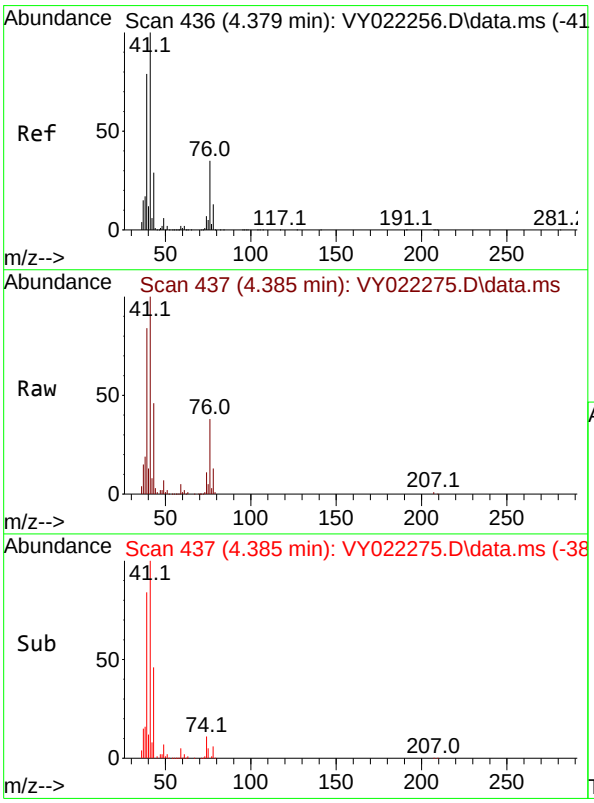
#13
Acrolein
Concen: 197.507 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 48235

Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.6	83.4

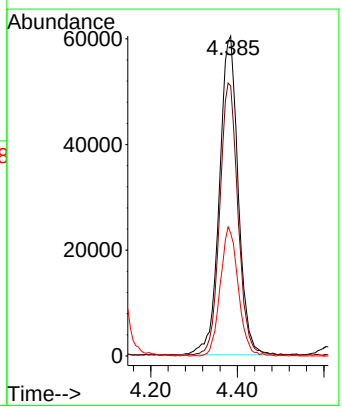


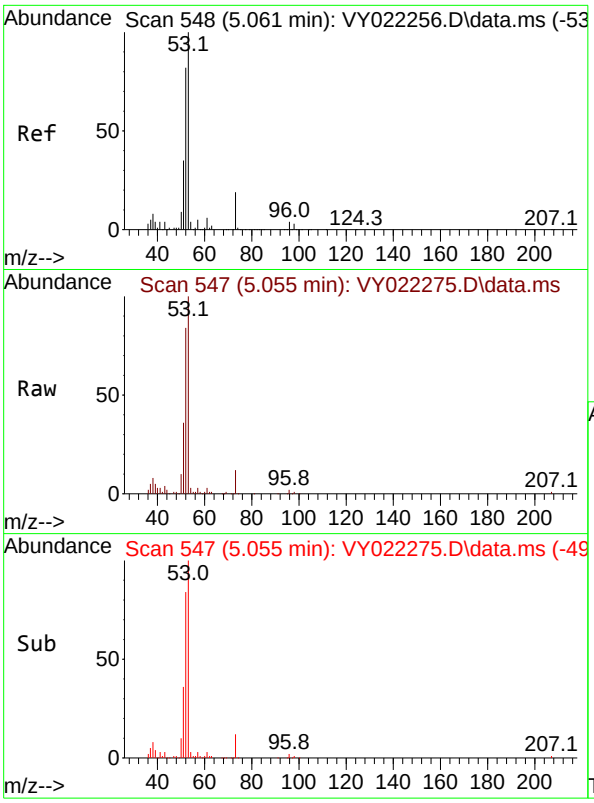


#14
Allyl chloride
Concen: 48.423 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 41 Resp: 181793

Ion	Ratio	Lower	Upper
41	100		
39	83.1	63.4	95.0
76	38.8	29.5	44.3



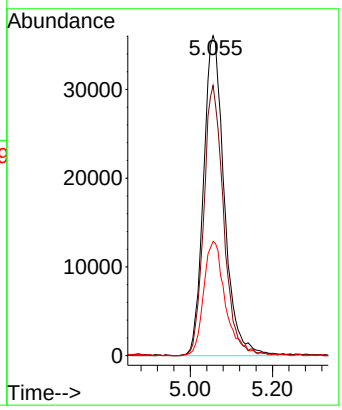


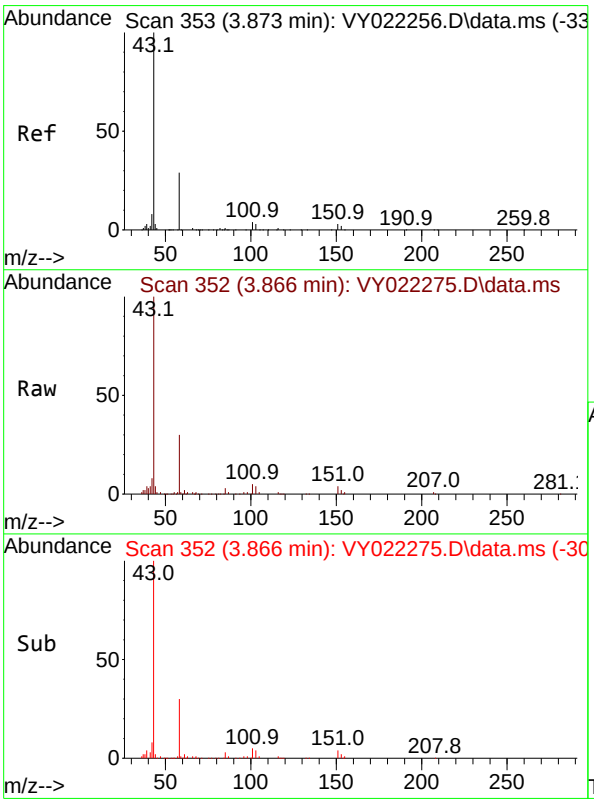
#15
Acrylonitrile
Concen: 256.397 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 126006

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	37.5	30.0	45.0

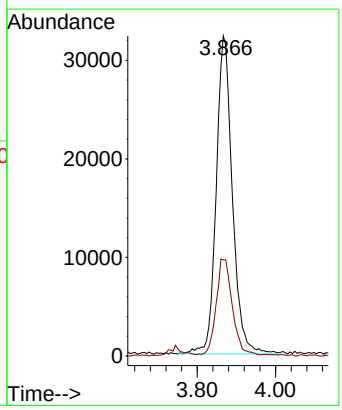


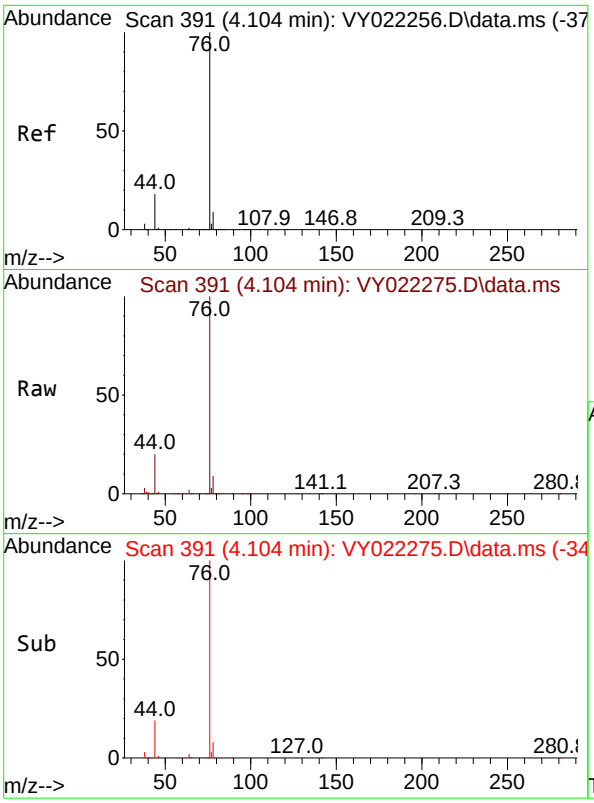


#16
Acetone
Concen: 226.053 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 92726

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4



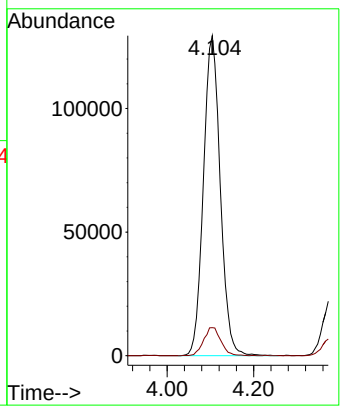


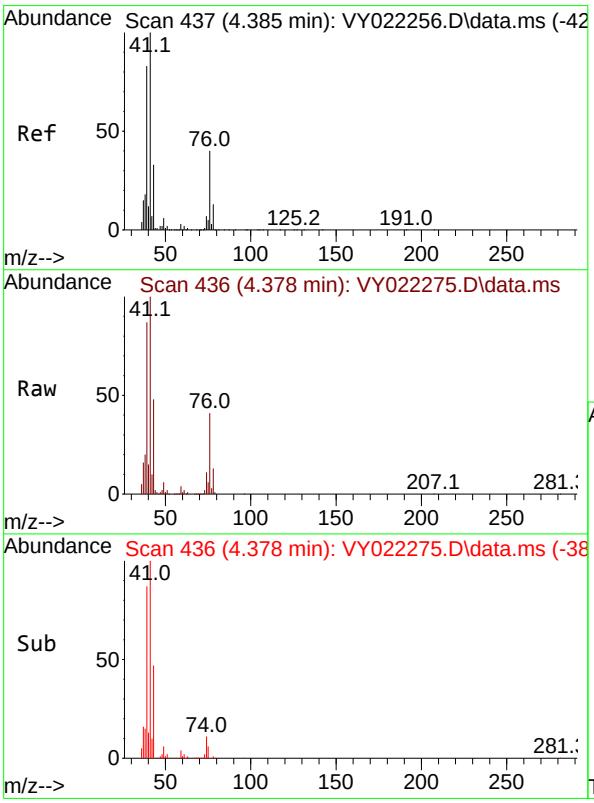
#17
Carbon Disulfide
Concen: 50.021 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 349244

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

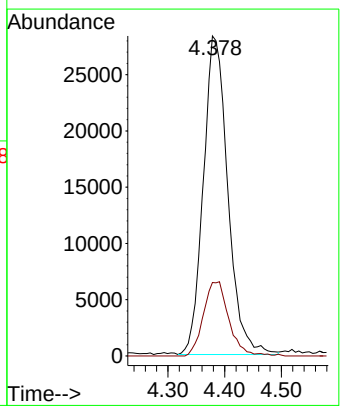


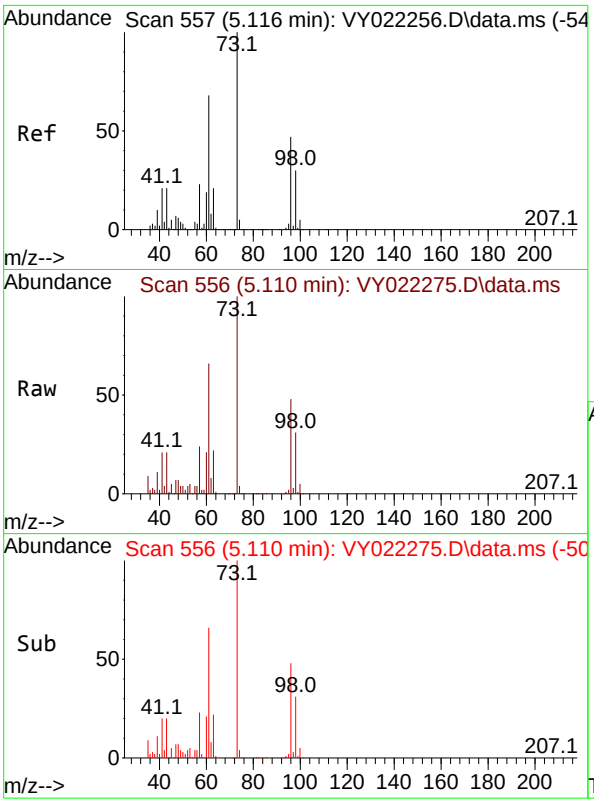


#18
Methyl Acetate
Concen: 65.768 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 85059

Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.2	27.4



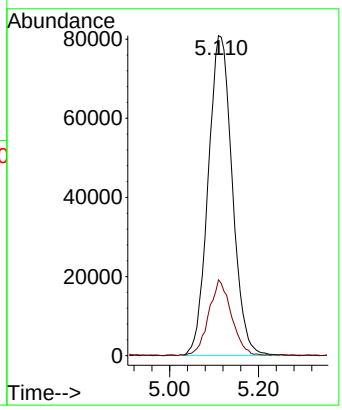


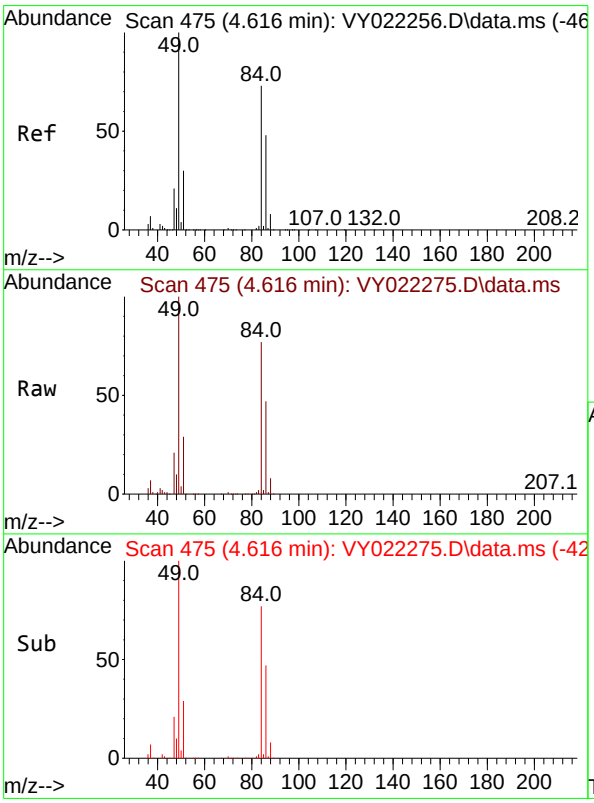
#19
Methyl tert-butyl Ether
Concen: 51.461 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 303808

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.6	28.0

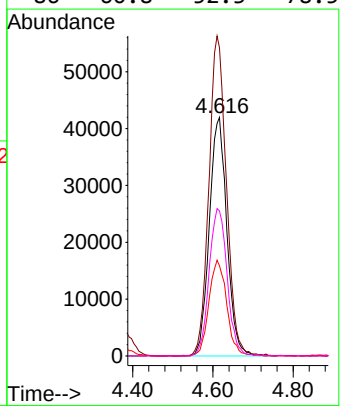


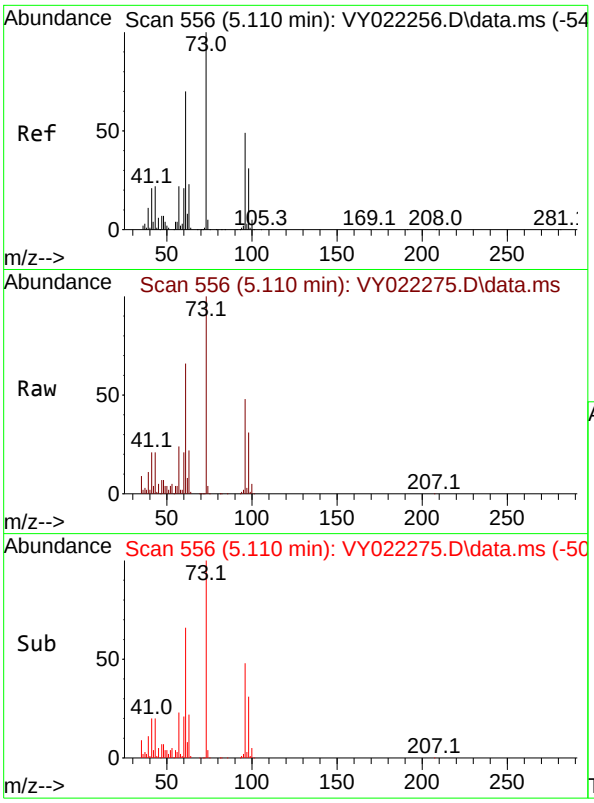


#20
Methylene Chloride
Concen: 48.271 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 84 Resp: 127944

Ion	Ratio	Lower	Upper
84	100		
49	129.2	109.6	164.4
51	37.8	32.4	48.6
86	60.8	52.3	78.5



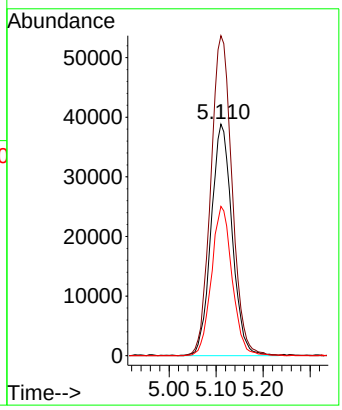


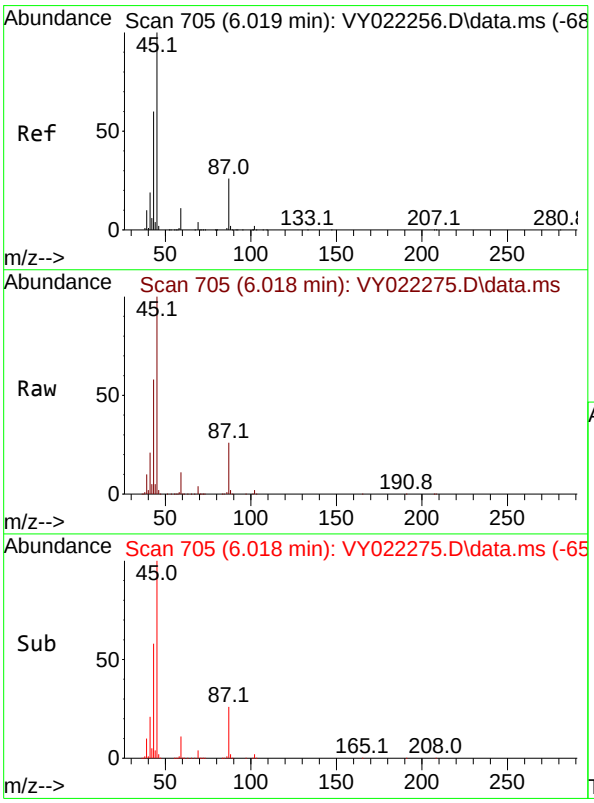
#21
trans-1,2-Dichloroethene
Concen: 51.151 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 120885

Ion	Ratio	Lower	Upper
96	100		
61	138.3	113.4	170.0
98	64.5	50.9	76.3

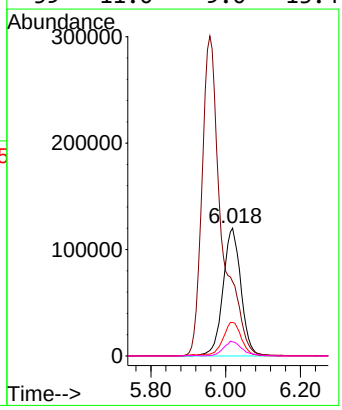


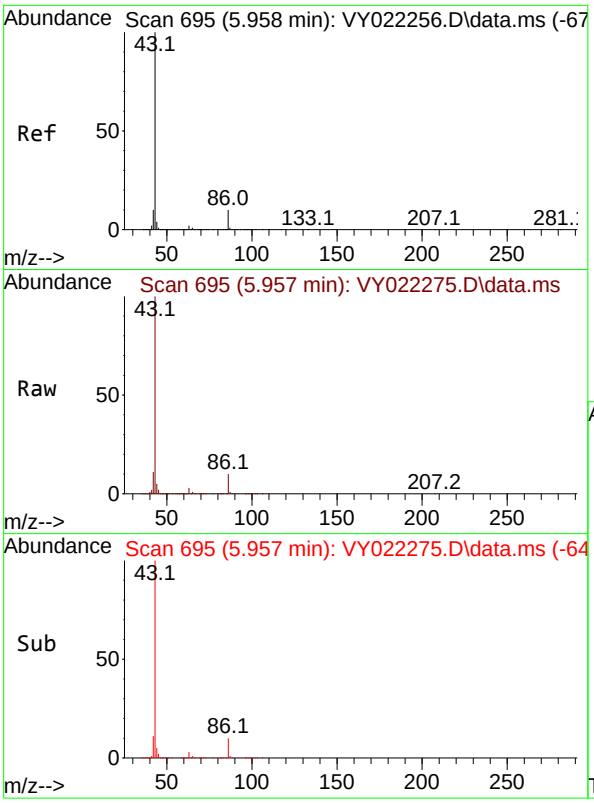


#22
Diisopropyl ether
Concen: 50.504 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 45 Resp: 400400

Ion	Ratio	Lower	Upper
45	100		
43	57.8	48.2	72.2
87	26.1	21.4	32.0
59	11.0	9.0	13.4



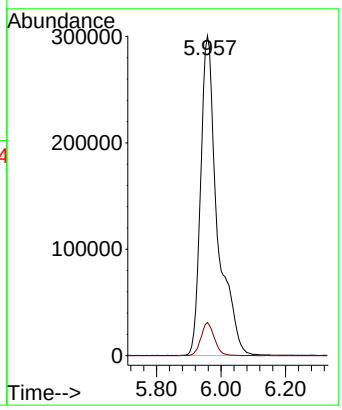


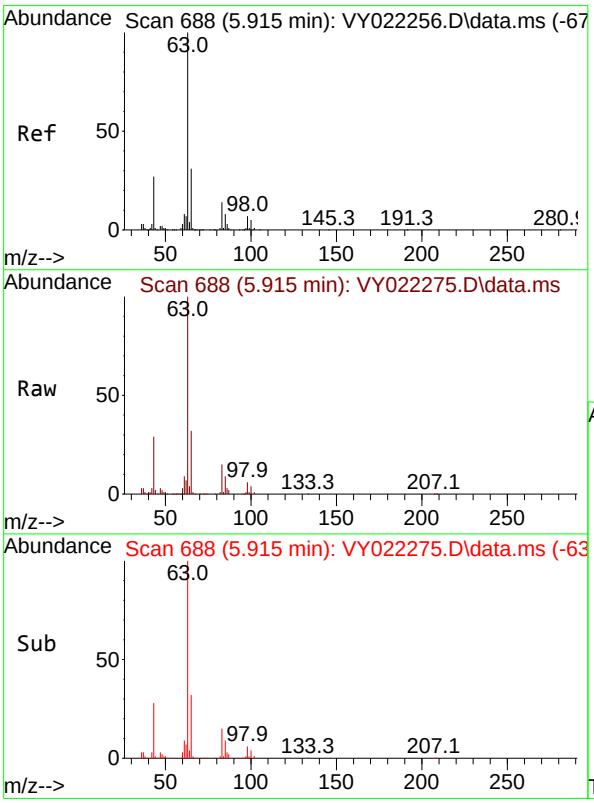
#23
Vinyl Acetate
Concen: 226.852 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1086547

Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.8	11.8

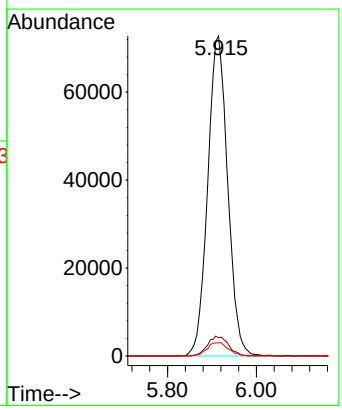


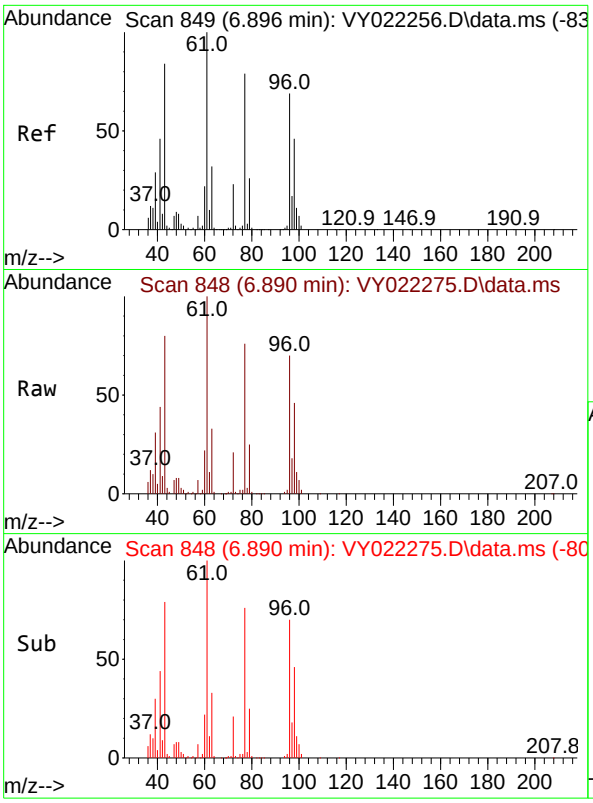


#24
1,1-Dichloroethane
Concen: 51.243 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 63 Resp: 226971

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.5	10.5
100	4.2	2.4	7.2



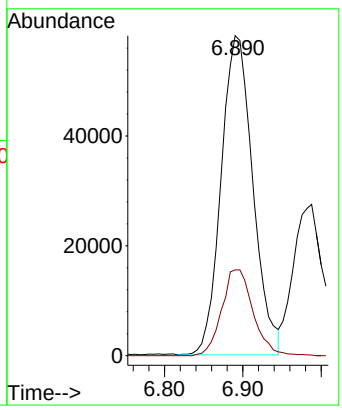


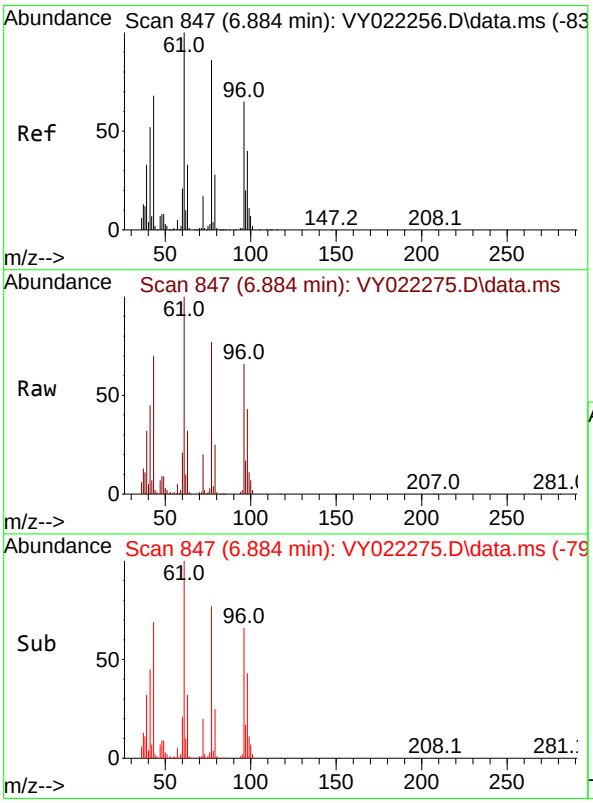
#25
2-Butanone
Concen: 238.789 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 163842

Ion	Ratio	Lower	Upper
43	100		
72	26.9	22.1	33.1

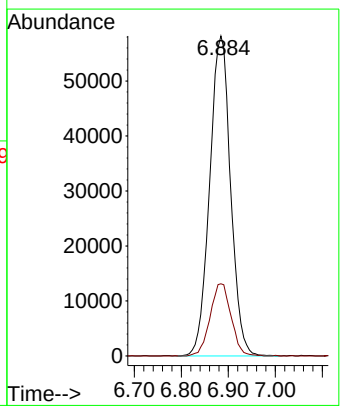


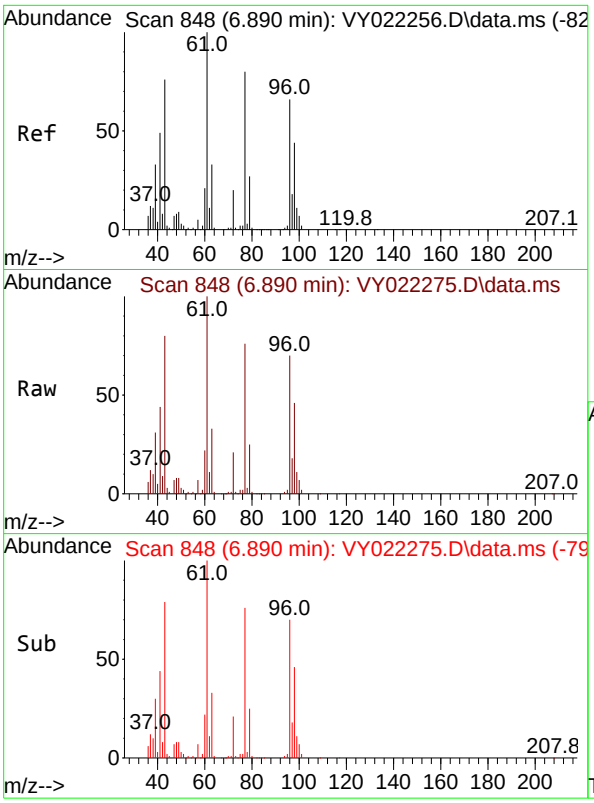


#26
2,2-Dichloropropane
Concen: 45.640 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 77 Resp: 179803

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.5



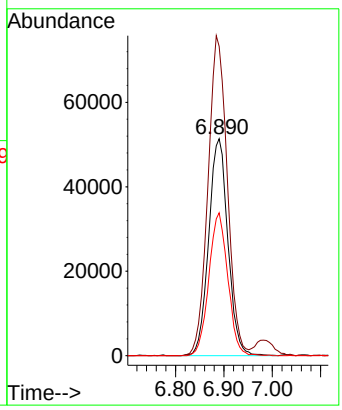


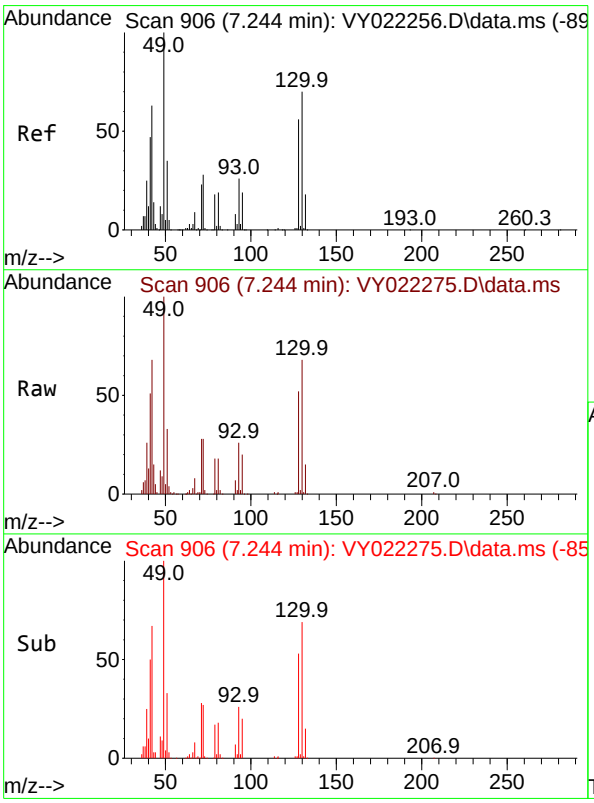
#27
cis-1,2-Dichloroethene
Concen: 51.993 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 141795

Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	302.6
98	65.0	0.0	128.8

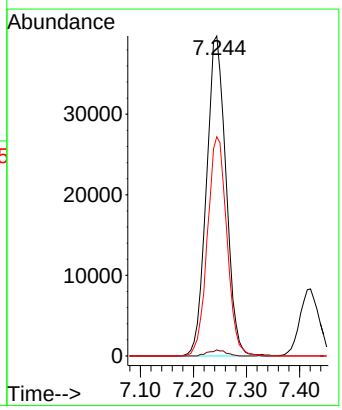


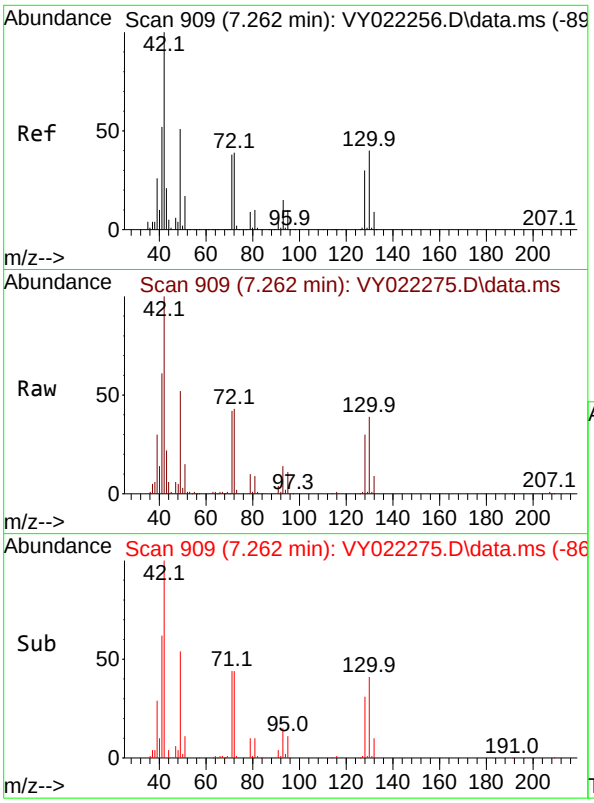


#28
Bromochloromethane
Concen: 53.763 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 49 Resp: 101573

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	68.2	54.7	82.1



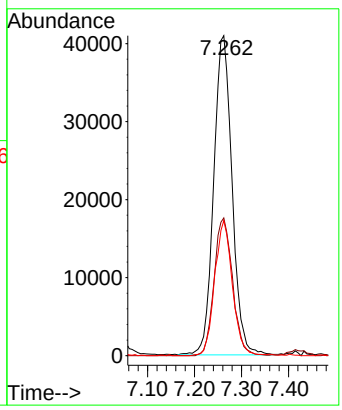


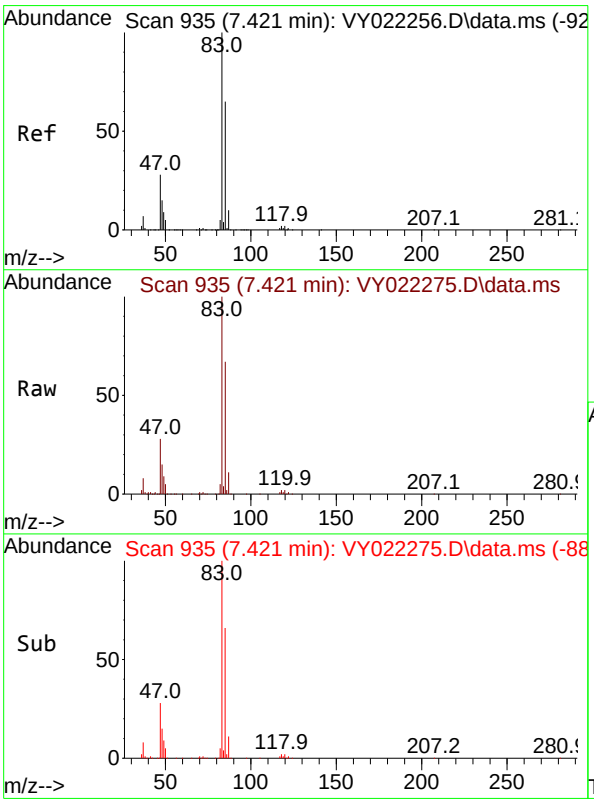
#29
Tetrahydrofuran
Concen: 252.225 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 111339

Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.8	50.6
71	41.0	31.5	47.3

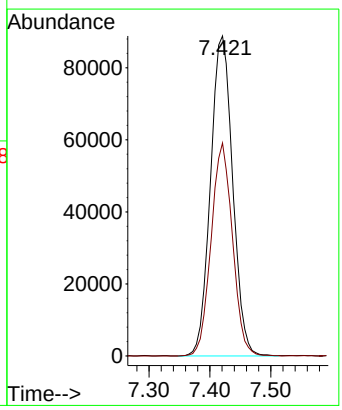


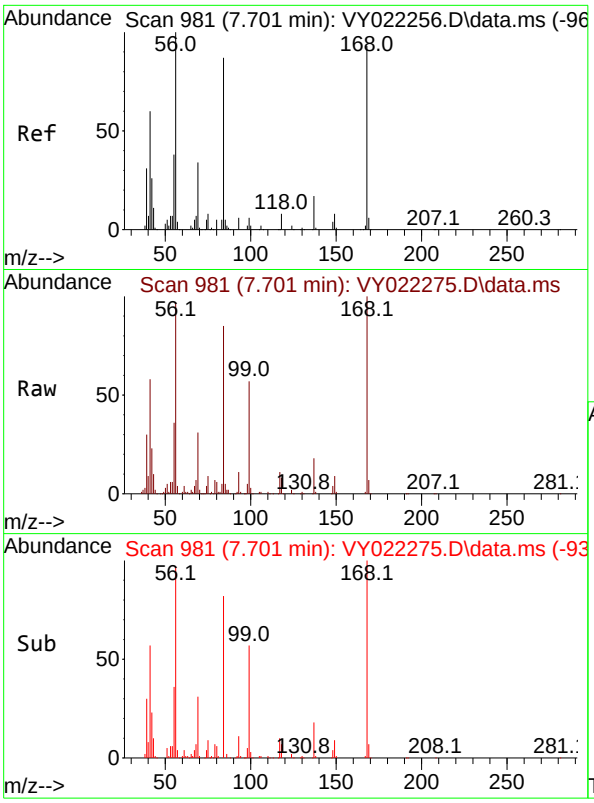


#30
Chloroform
Concen: 52.812 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 83 Resp: 224372

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.8



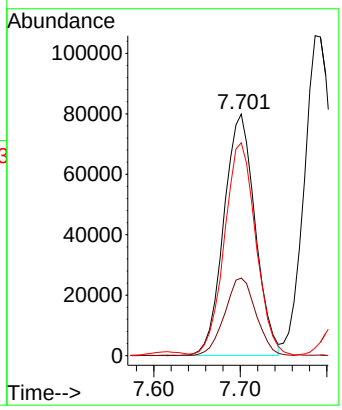


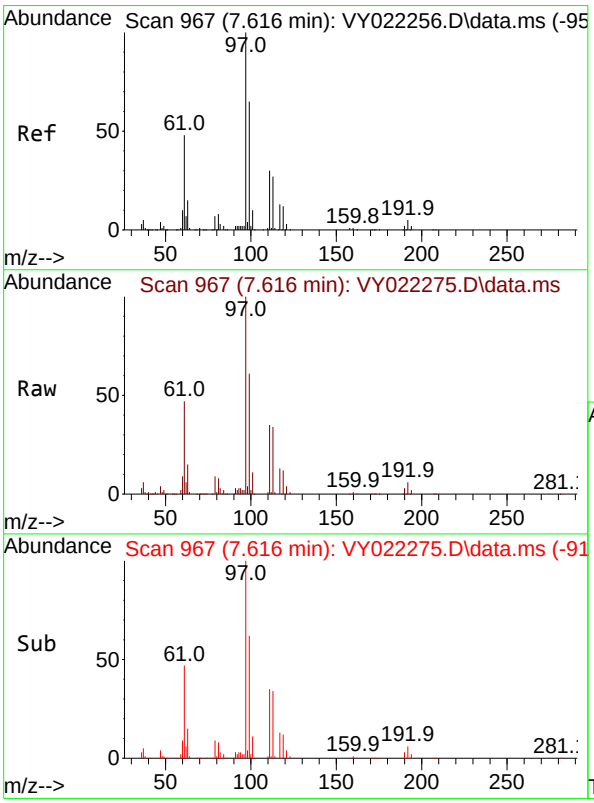
#31
Cyclohexane
Concen: 45.201 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 200037

Ion	Ratio	Lower	Upper
56	100		
69	32.1	27.4	41.2
84	86.8	70.0	105.0

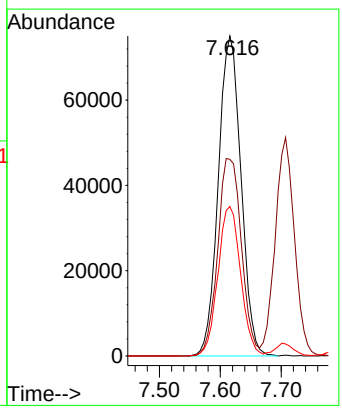


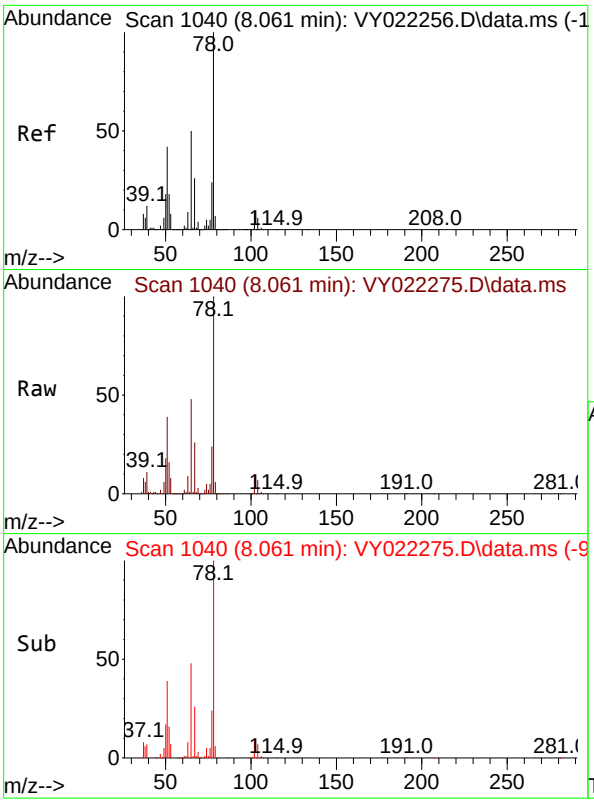


#32
1,1,1-Trichloroethane
Concen: 49.923 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 97 Resp: 194589

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	46.8	38.1	57.1



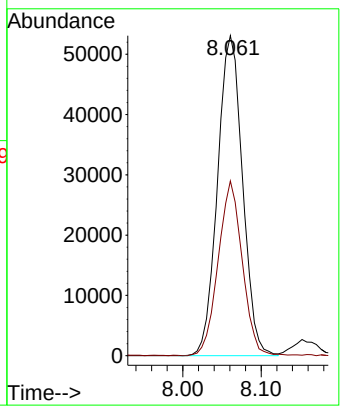


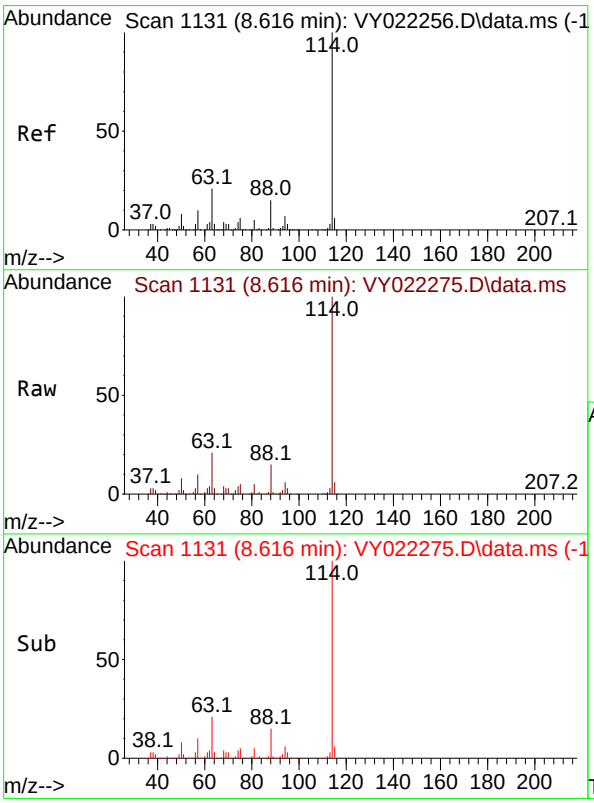
#33
1,2-Dichloroethane-d4
Concen: 53.878 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 117866

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.6

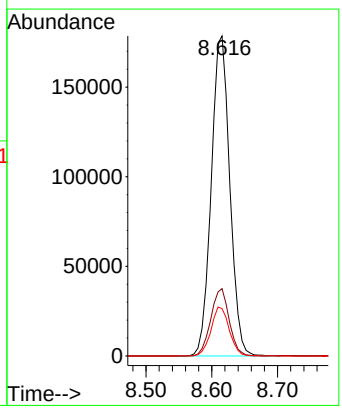


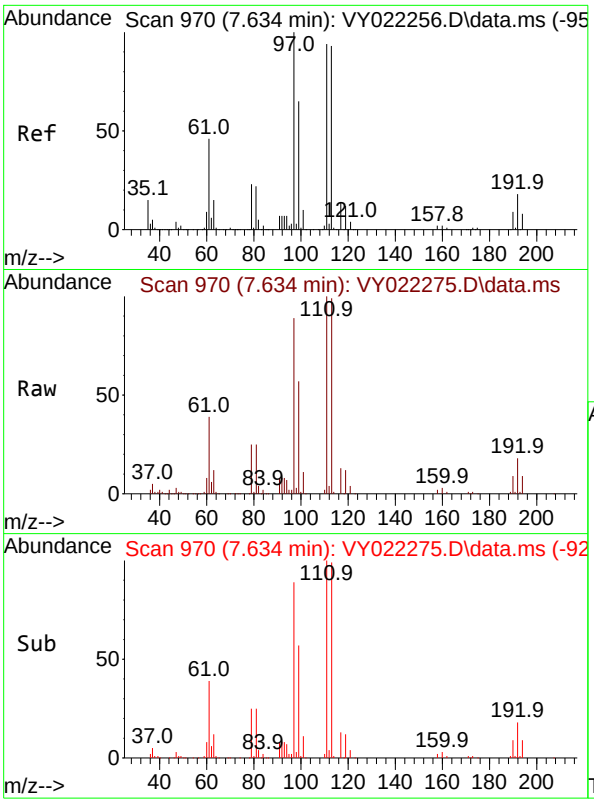


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:114 Resp: 350341

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	14.8	0.0	29.4



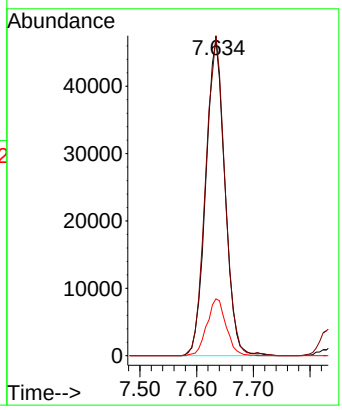


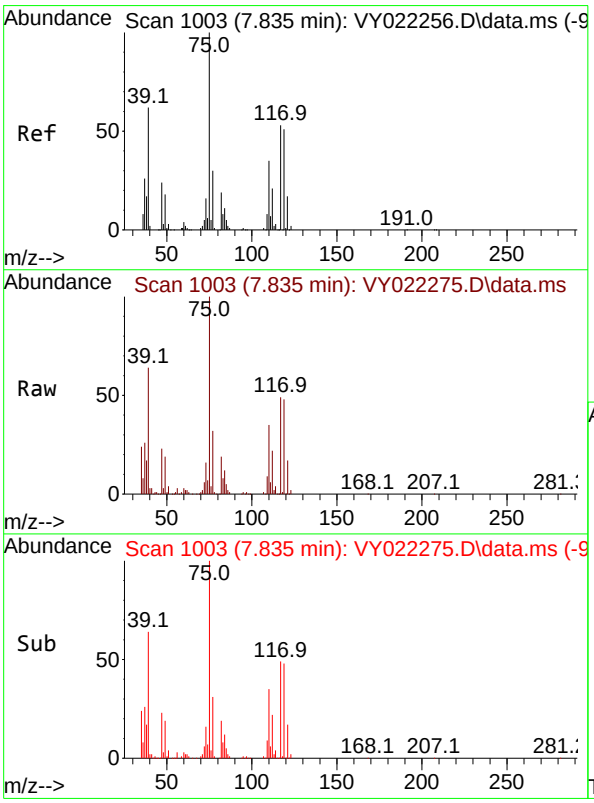
#35
Dibromofluoromethane
Concen: 52.681 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 110158

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	18.0	15.2	22.8

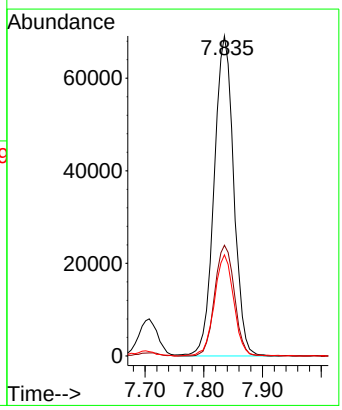


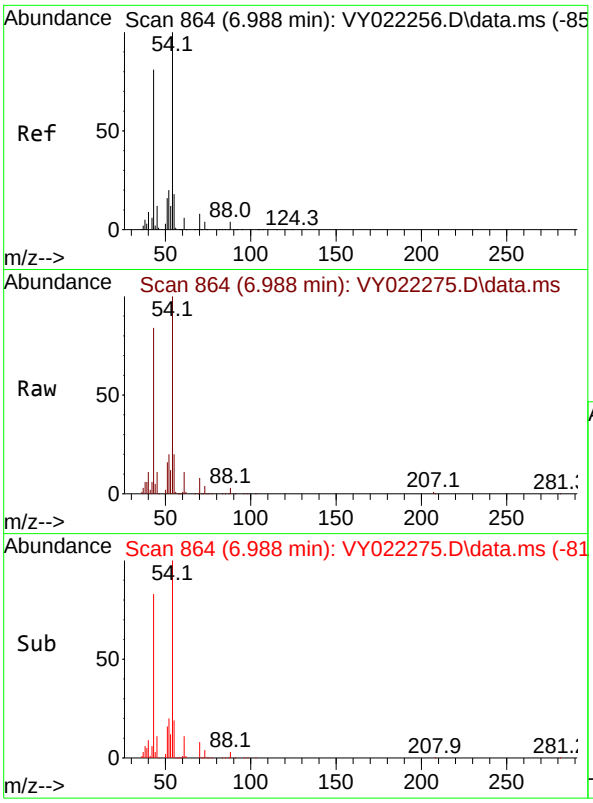


#36
1,1-Dichloropropene
Concen: 46.428 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 159907

Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.6	49.8
77	31.3	24.6	37.0



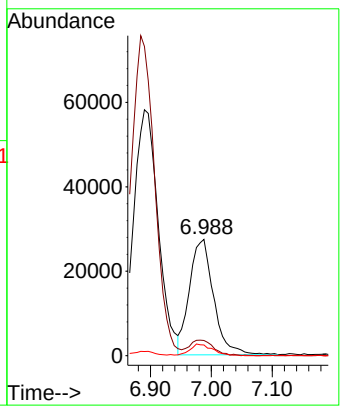


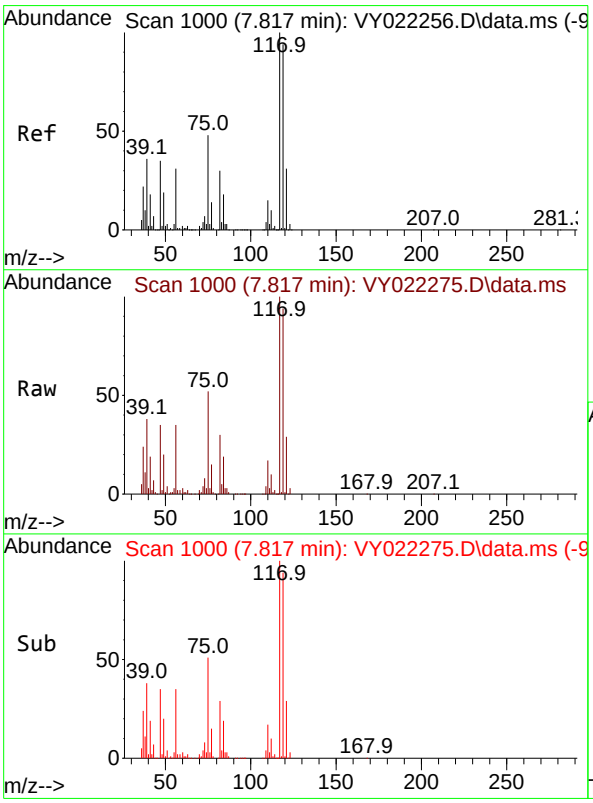
#37
Ethyl Acetate
Concen: 45.459 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 75333

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.2
70	9.4	7.6	11.4

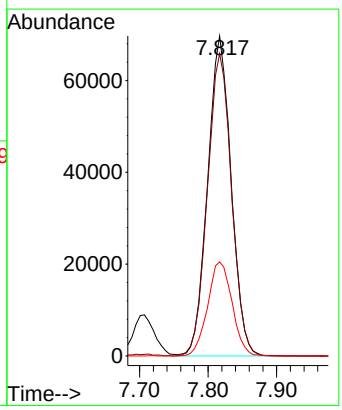


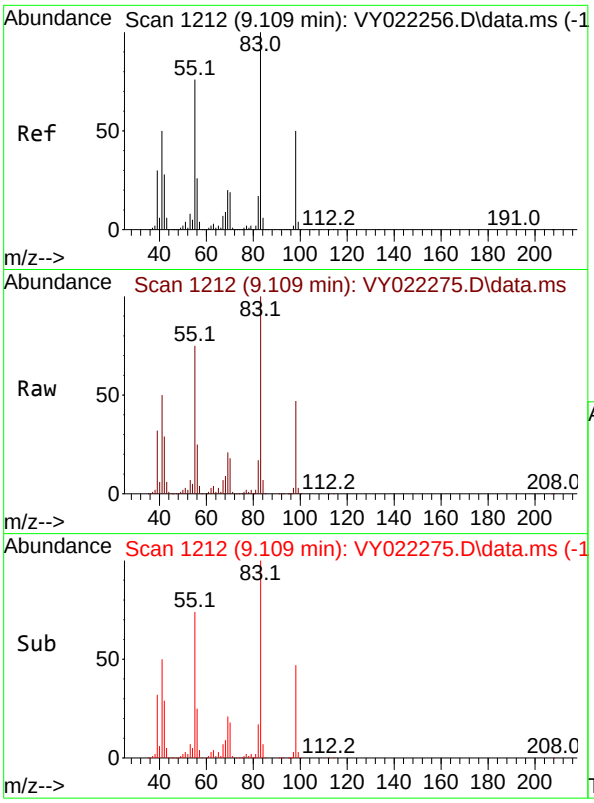


#38
Carbon Tetrachloride
Concen: 46.629 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:117 Resp: 166240

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.3	112.9
121	29.4	24.7	37.1



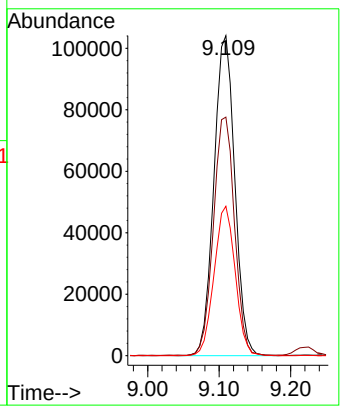


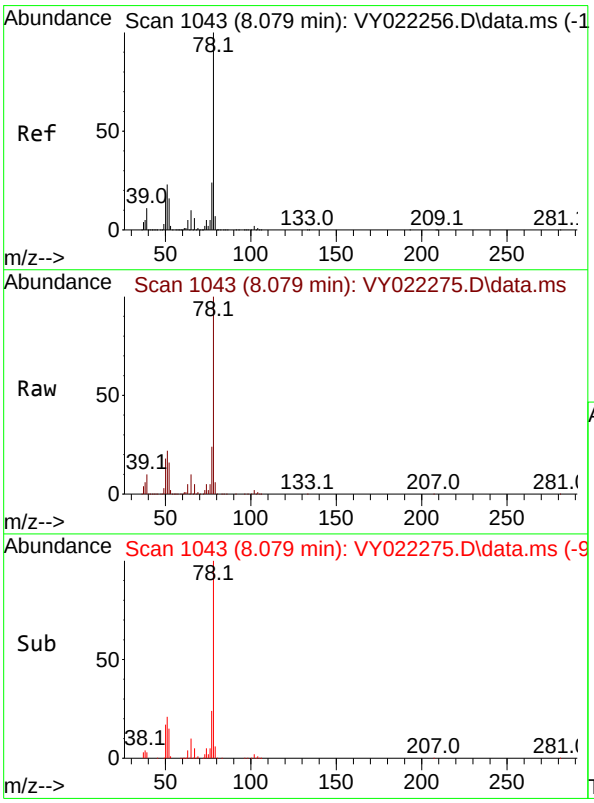
#39
Methylcyclohexane
Concen: 45.585 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 210935

Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.6	90.8
98	46.7	40.0	60.0

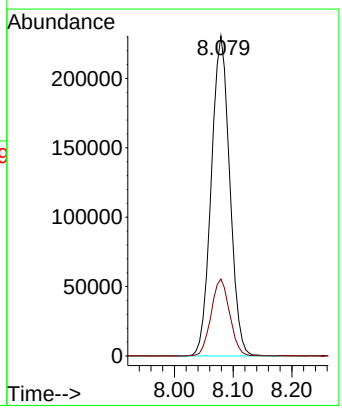


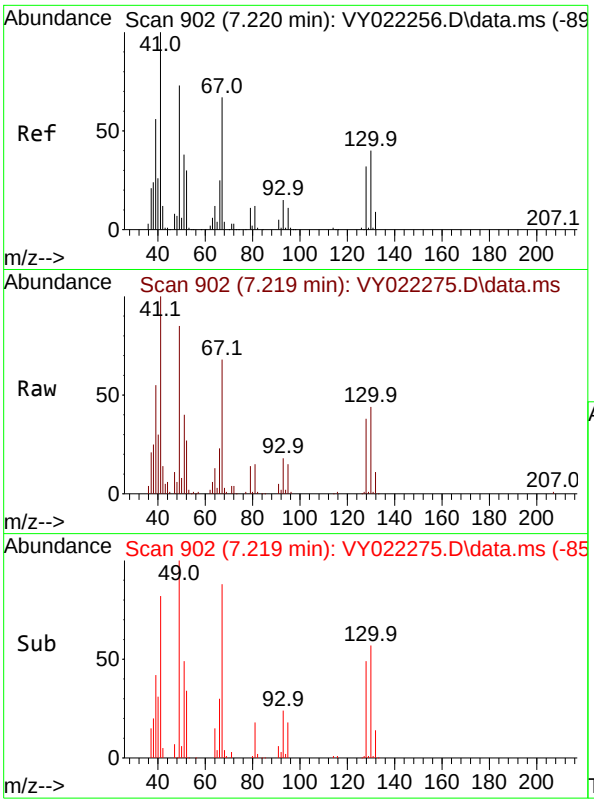


#40
Benzene
Concen: 49.319 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 78 Resp: 503565

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3



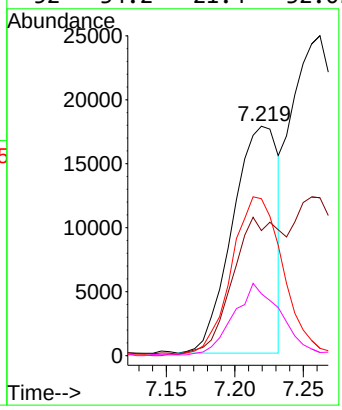


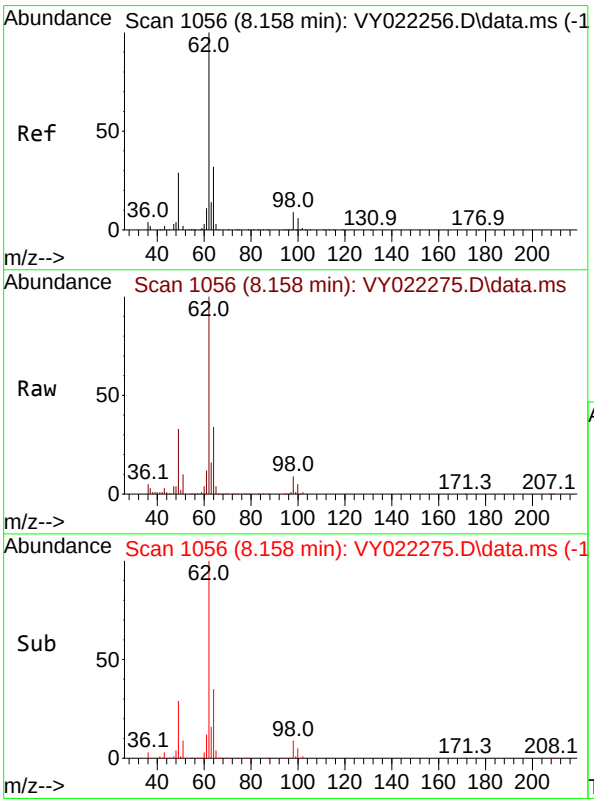
#41
Methacrylonitrile
Concen: 37.379 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 41090

Ion	Ratio	Lower	Upper
41	100		
39	67.4	39.1	58.7#
67	81.2	47.1	70.7#
52	34.2	21.4	32.0#

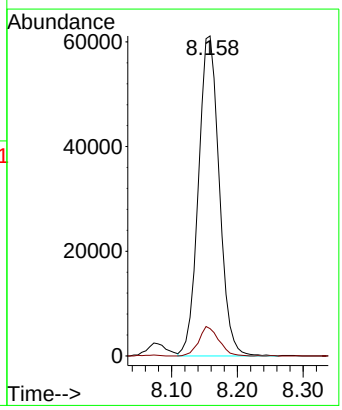


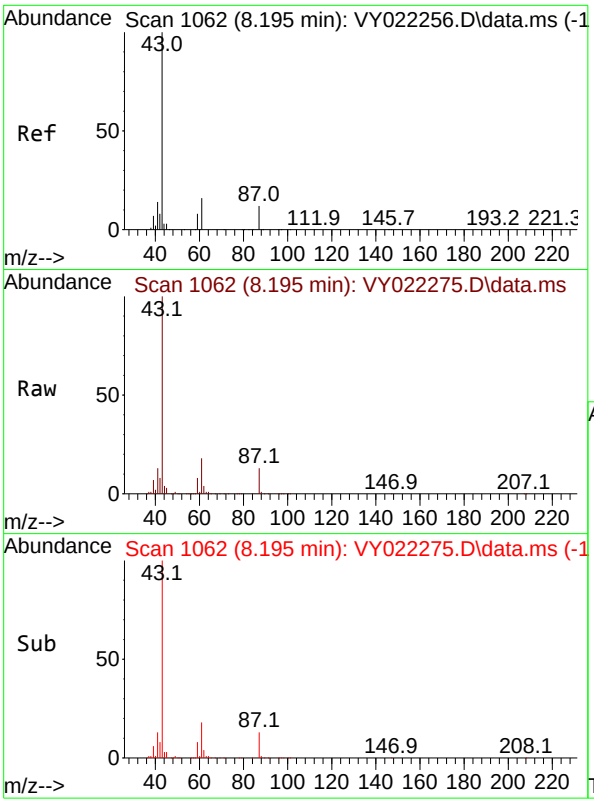


#42
1,2-Dichloroethane
Concen: 48.660 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 62 Resp: 134356

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4



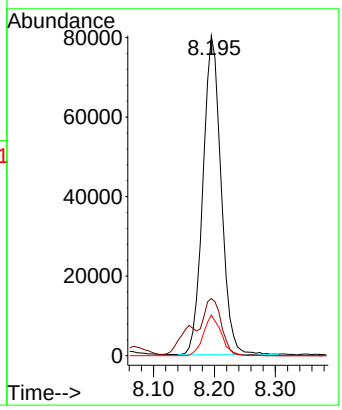


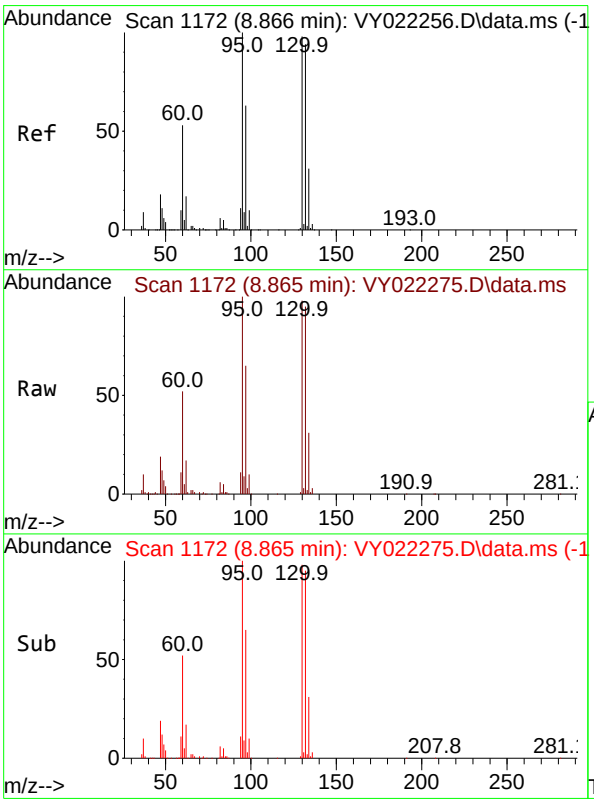
#43
Isopropyl Acetate
Concen: 45.928 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 165989

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.1	22.7
87	12.4	9.7	14.5

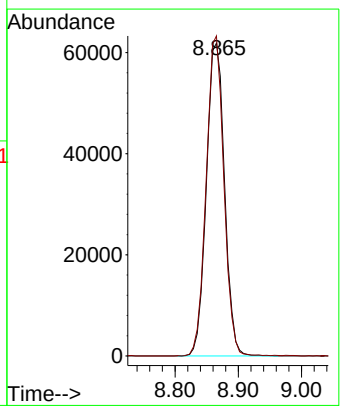


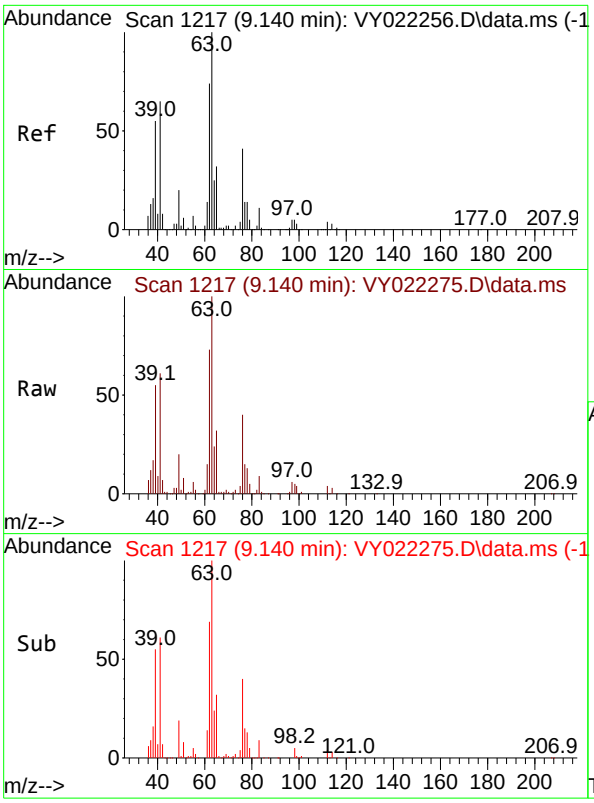


#44
Trichloroethene
Concen: 48.649 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:130 Resp: 123509

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.8



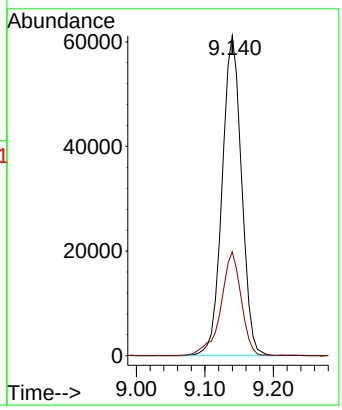


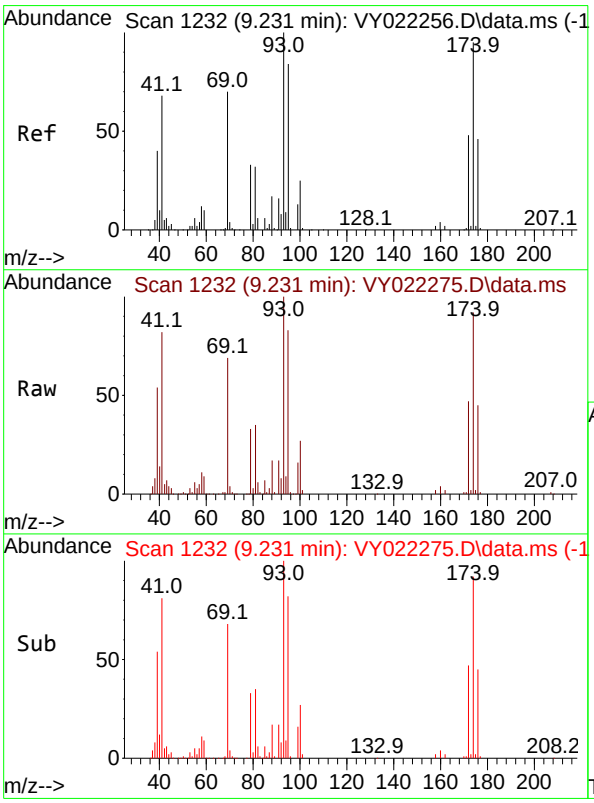
#45
1,2-Dichloropropane
Concen: 48.787 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 120095

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.7	38.5

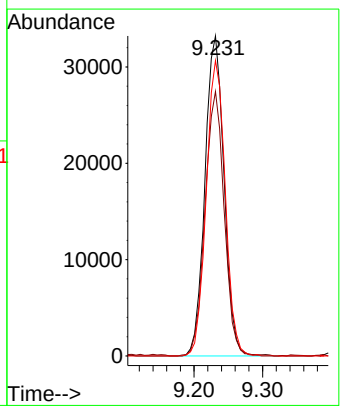


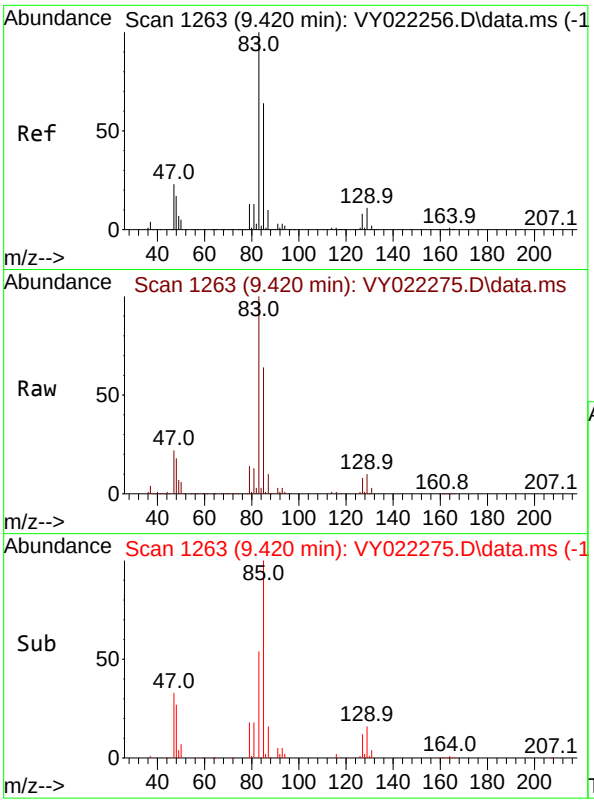


#46
Dibromomethane
Concen: 48.413 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 93 Resp: 64278

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.2	97.8
174	92.1	74.3	111.5



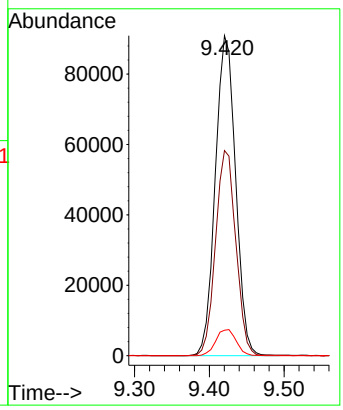


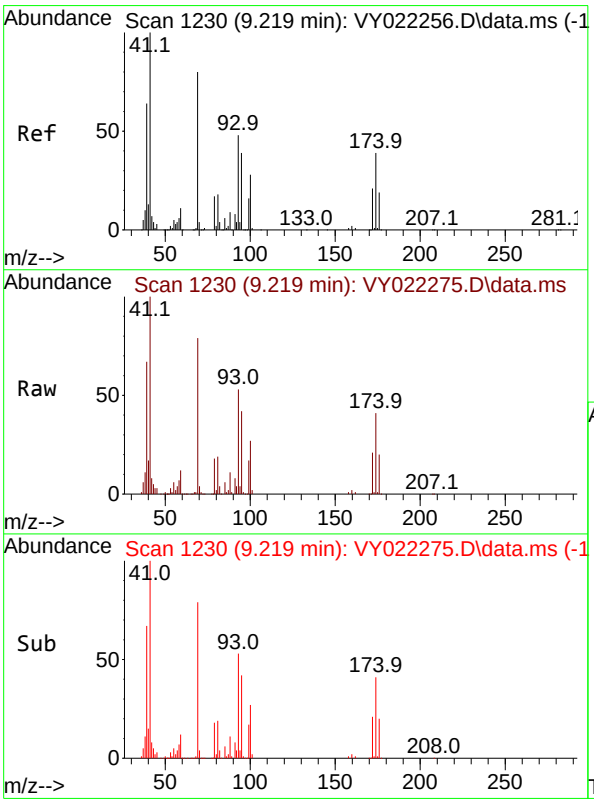
#47
Bromodichloromethane
Concen: 49.963 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 172091

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.0	6.6	10.0

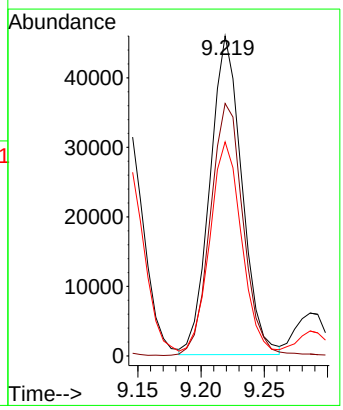


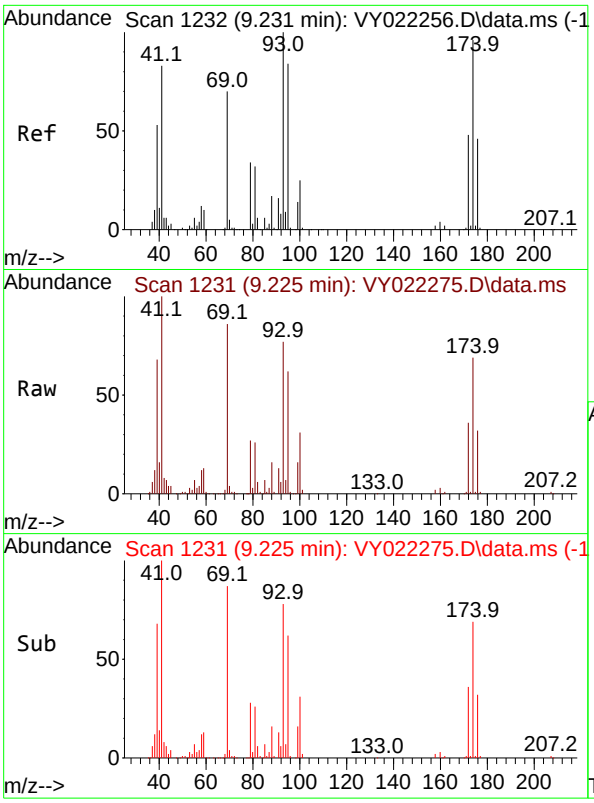


#48
Methyl methacrylate
Concen: 47.699 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 41 Resp: 80618

Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.5	95.3
39	64.8	50.8	76.2



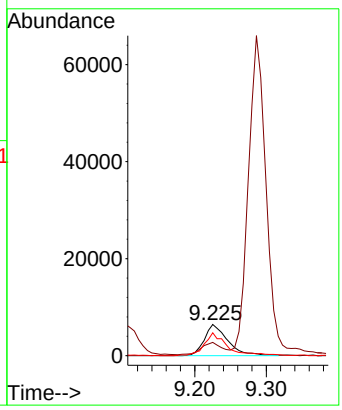


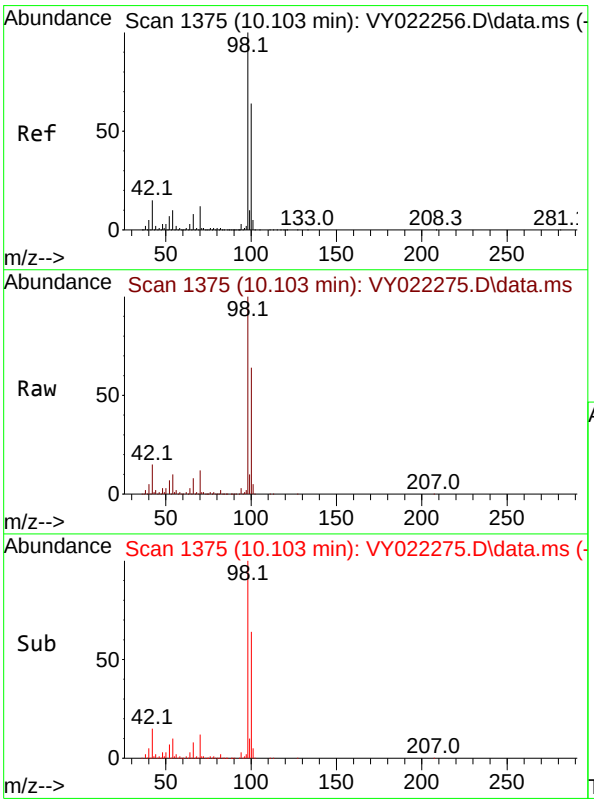
#49
1,4-Dioxane
Concen: 968.930 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 14533

Ion	Ratio	Lower	Upper
88	100		
43	35.0	28.5	42.7
58	73.1	61.4	92.2

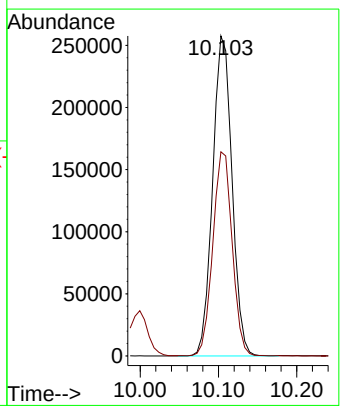


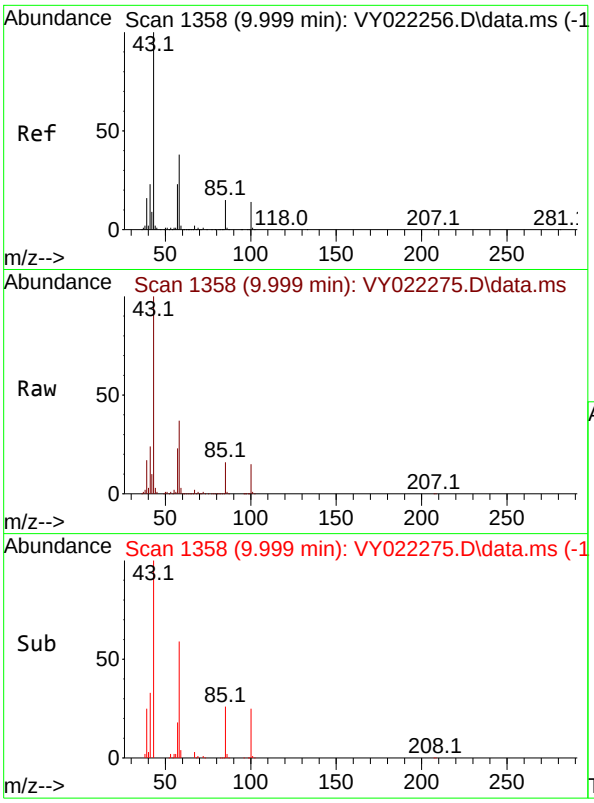


#50
Toluene-d8
Concen: 51.640 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 98 Resp: 442242

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8



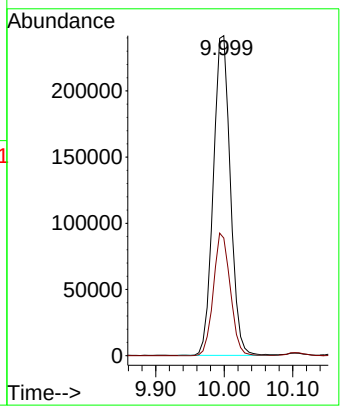


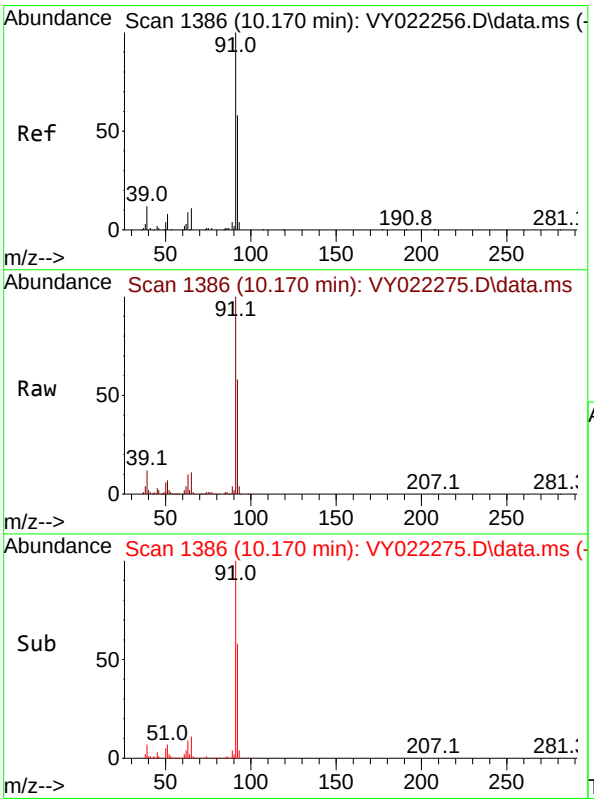
#51
4-Methyl-2-Pentanone
Concen: 235.486 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 417595

Ion	Ratio	Lower	Upper
43	100		
58	38.0	29.4	44.2

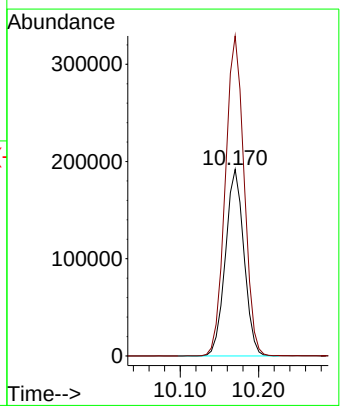


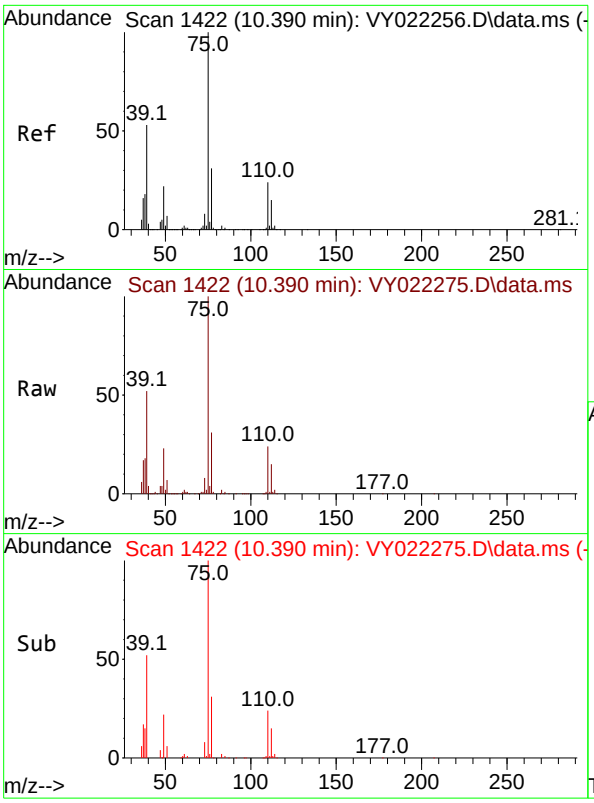


#52
Toluene
Concen: 48.800 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 92 Resp: 315520

Ion	Ratio	Lower	Upper
92	100		
91	174.1	139.1	208.7



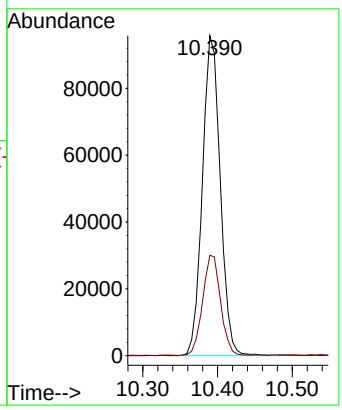


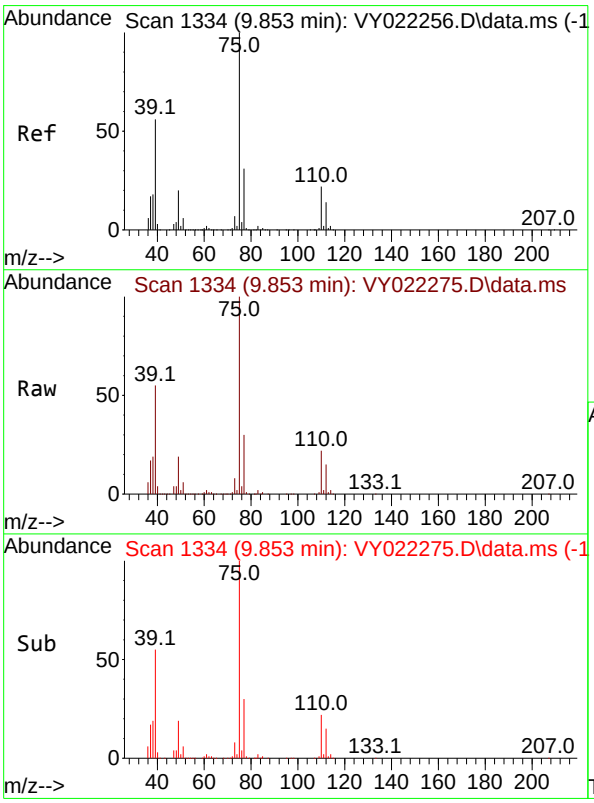
#53
t-1,3-Dichloropropene
Concen: 47.262 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 158866

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

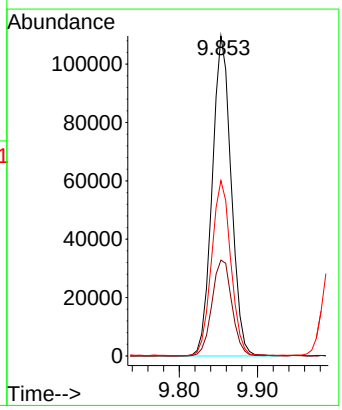


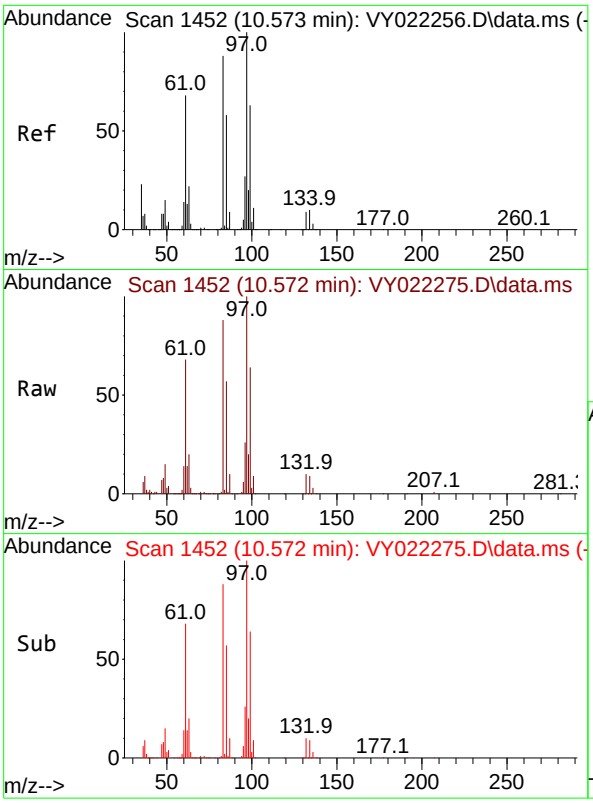


#54
cis-1,3-Dichloropropene
Concen: 47.851 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 184284

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.1	37.7
39	54.7	44.5	66.7



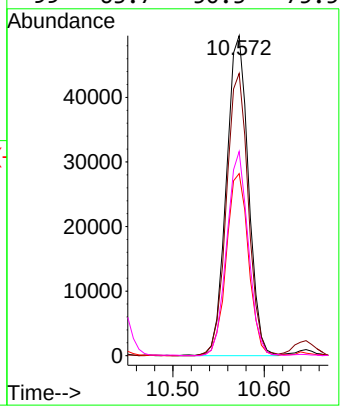


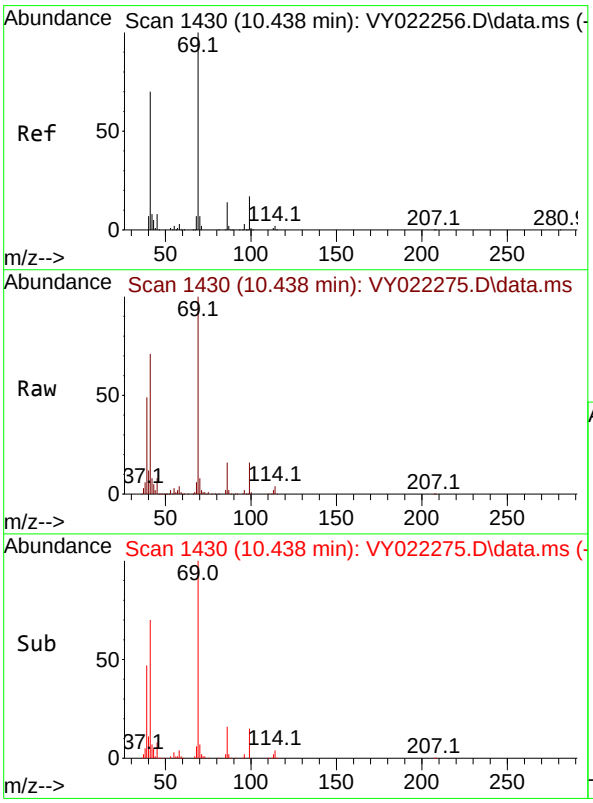
#55
1,1,2-Trichloroethane
Concen: 48.937 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 83201

Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.3	105.5
85	56.9	46.2	69.4
99	63.7	50.3	75.5

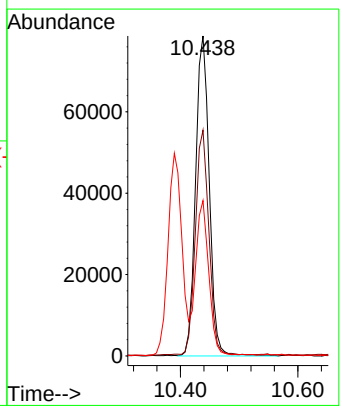


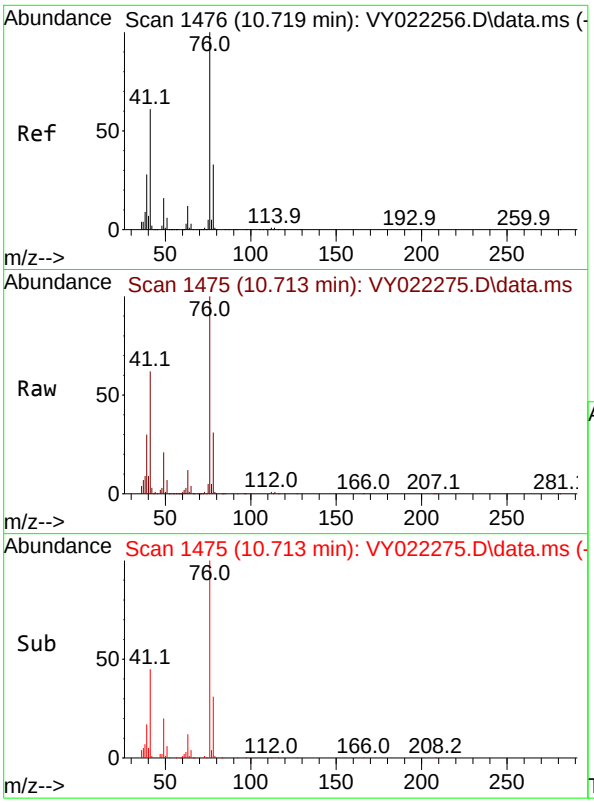


#56
Ethyl methacrylate
Concen: 47.866 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 69 Resp: 126764

Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.5	84.7
39	46.0	37.1	55.7



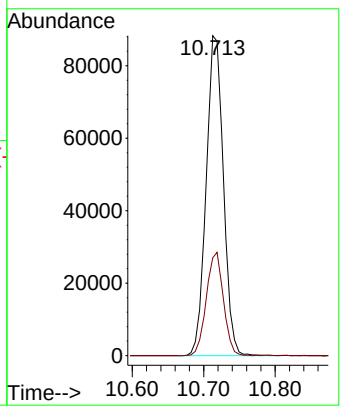


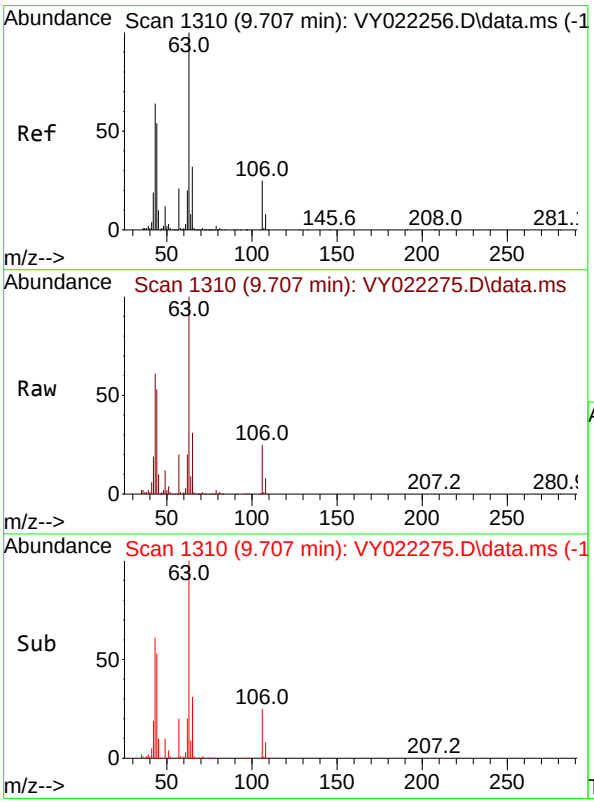
#57
1,3-Dichloropropane
Concen: 48.881 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 147656

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

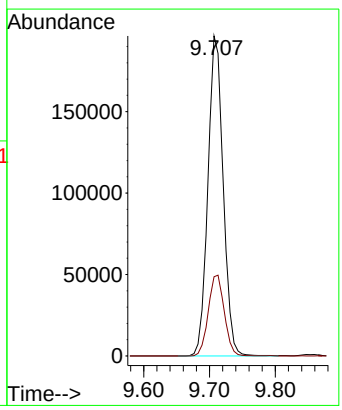


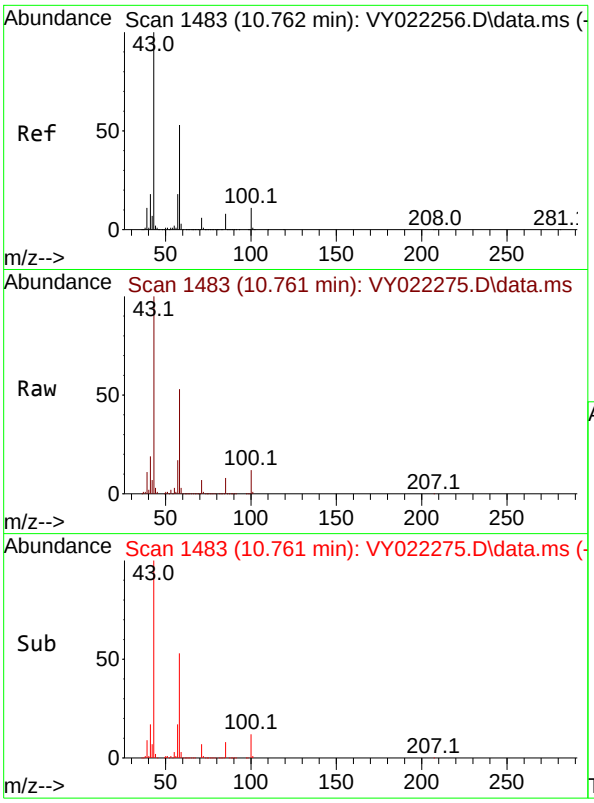


#58
2-Chloroethyl Vinyl ether
Concen: 267.180 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 63 Resp: 317597

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.4



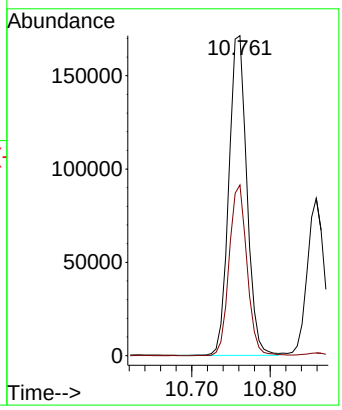


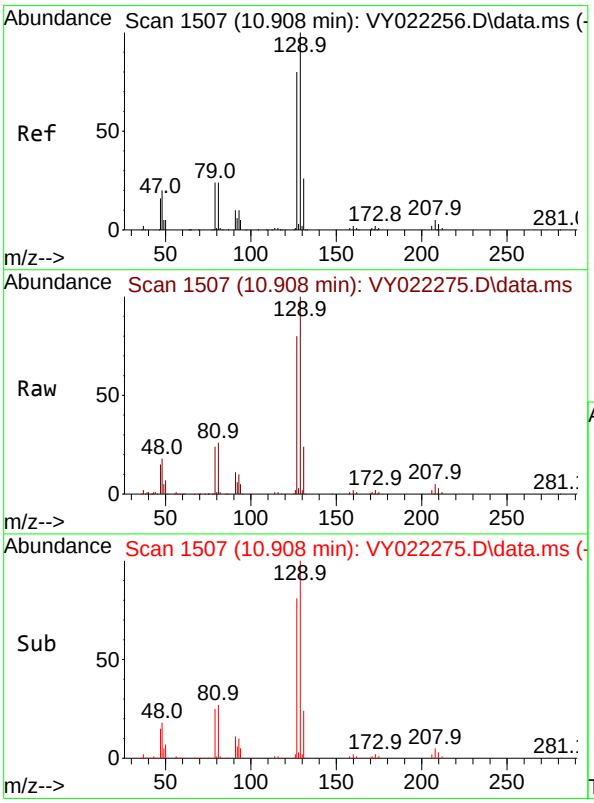
#59
2-Hexanone
Concen: 229.855 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 273295

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.3

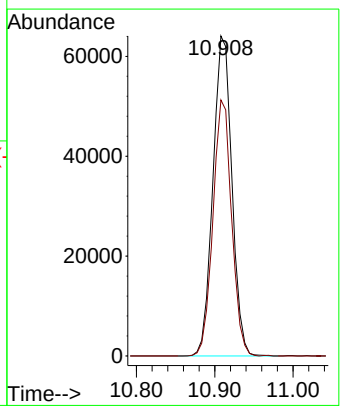


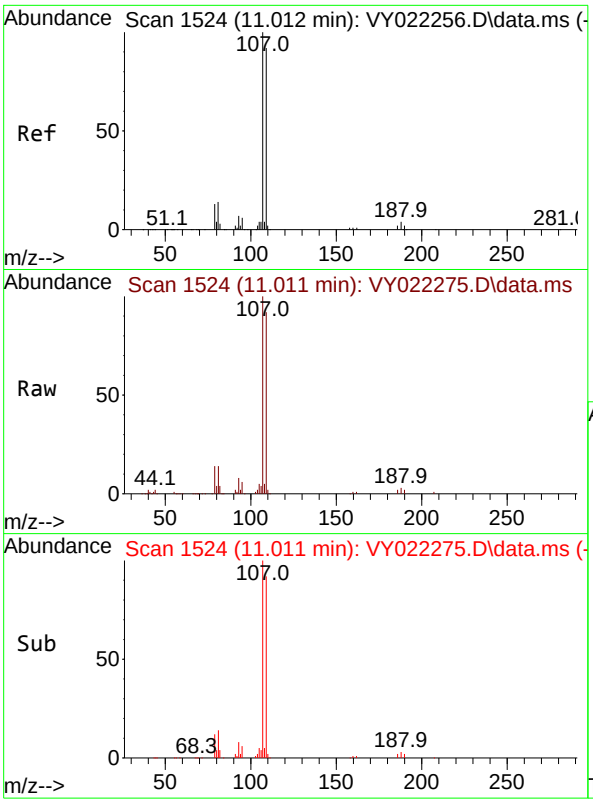


#60
Dibromochloromethane
Concen: 48.824 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:129 Resp: 107741

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.6	115.7



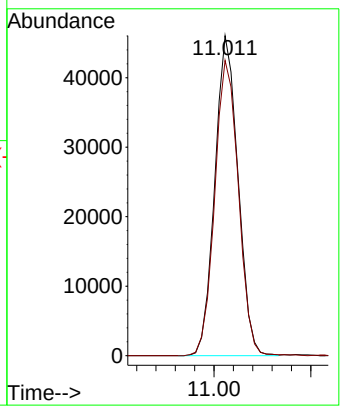


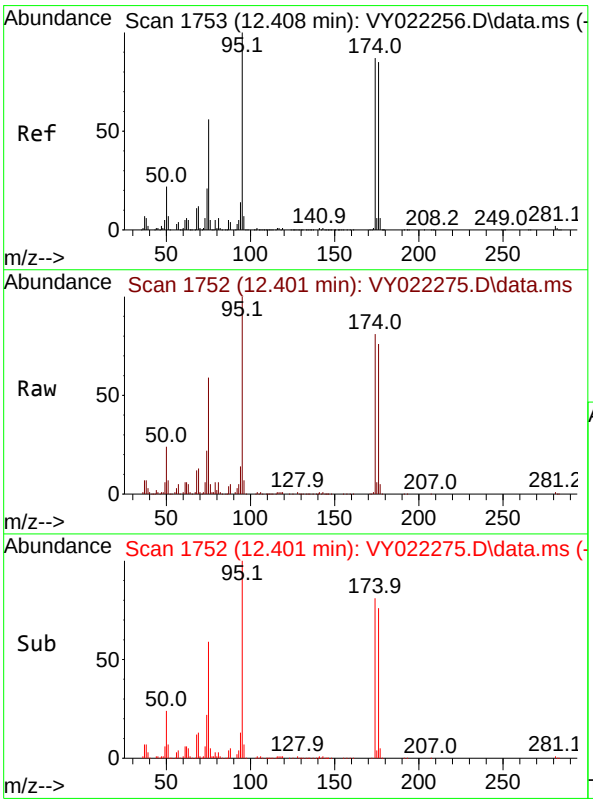
#61
1,2-Dibromoethane
Concen: 48.332 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 76587

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8

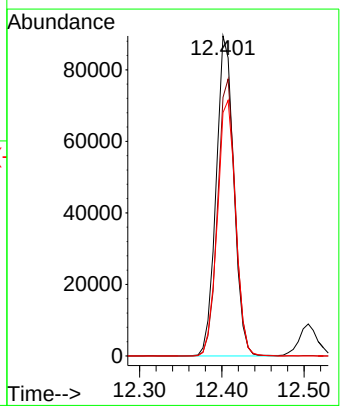


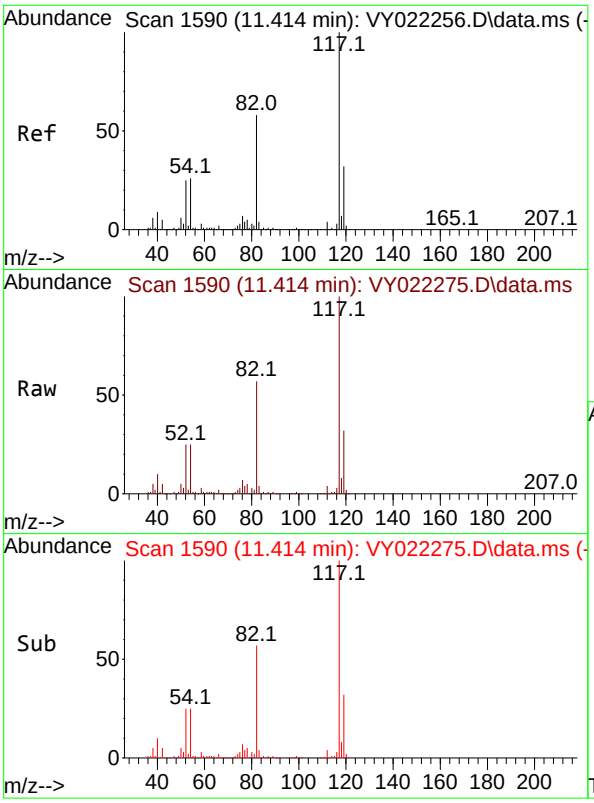


#62
4-Bromofluorobenzene
Concen: 49.259 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 95 Resp: 133714

Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	166.8
176	82.7	0.0	160.8



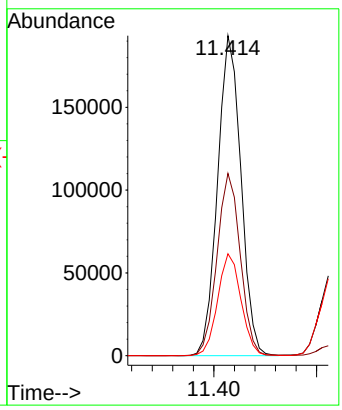


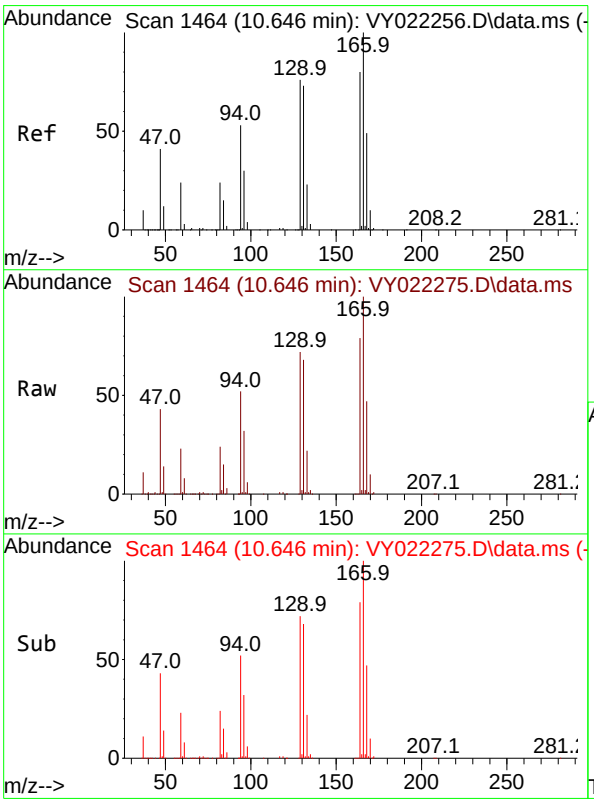
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 304640

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.6	70.0
119	31.9	25.8	38.6

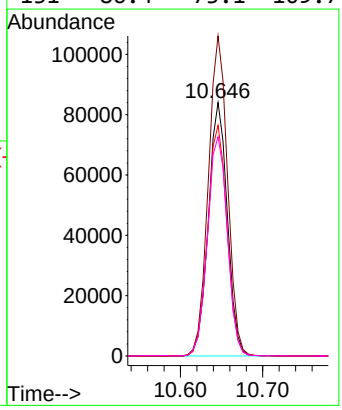


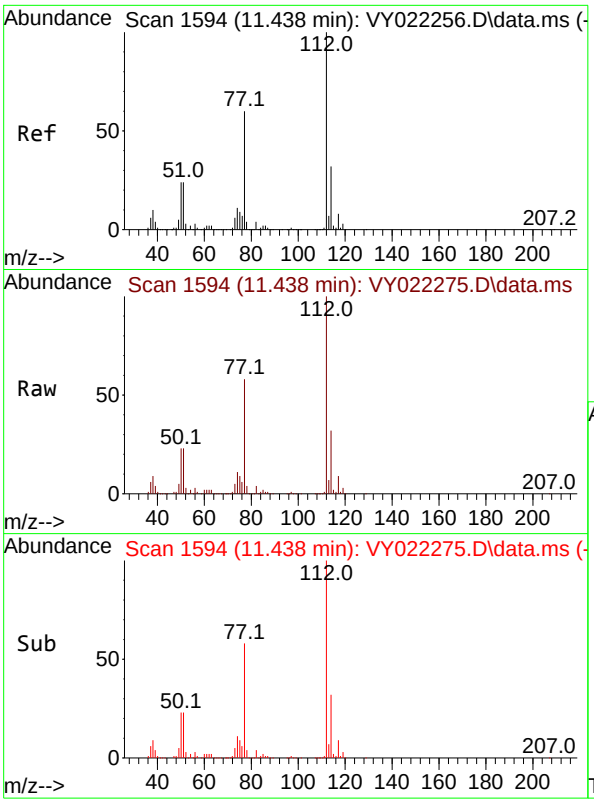


#64
Tetrachloroethene
Concen: 47.833 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:164 Resp: 134690

Ion	Ratio	Lower	Upper
164	100		
166	126.3	100.4	150.6
129	91.0	76.4	114.6
131	86.4	73.1	109.7



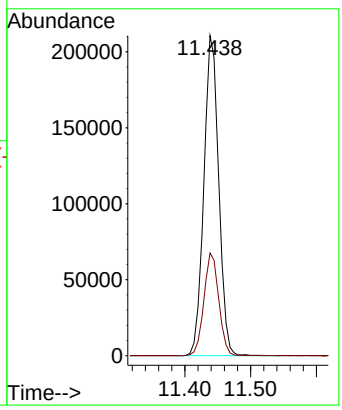


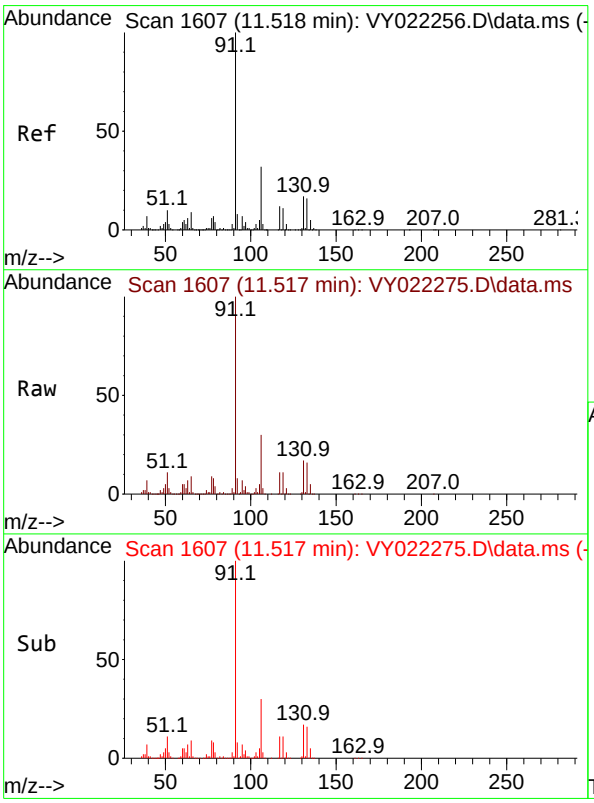
#65
Chlorobenzene
Concen: 48.128 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 330781

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

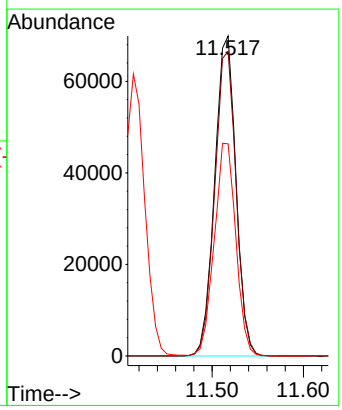


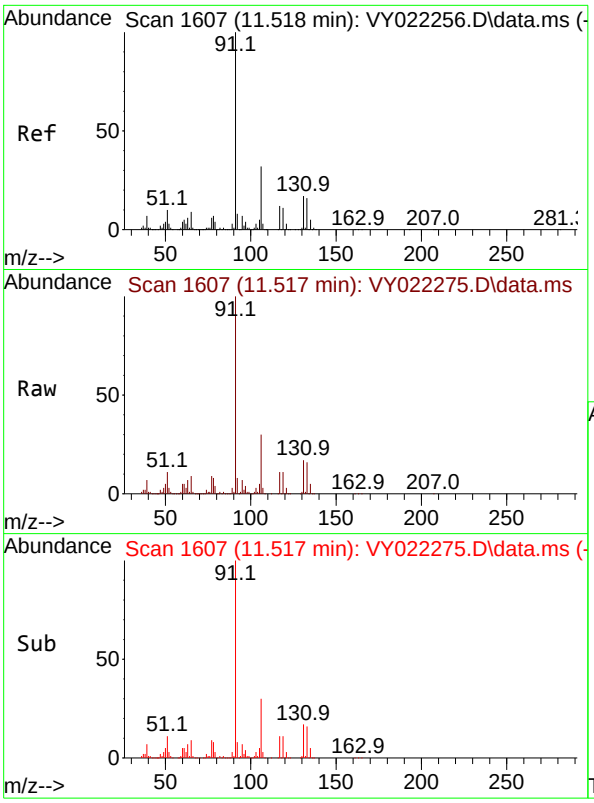


#66
1,1,1,2-Tetrachloroethane
Concen: 47.800 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:131 Resp: 112943

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.9
119	67.7	33.1	99.2



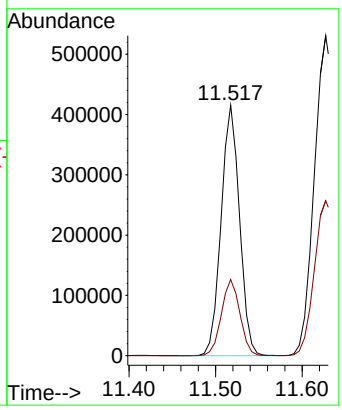


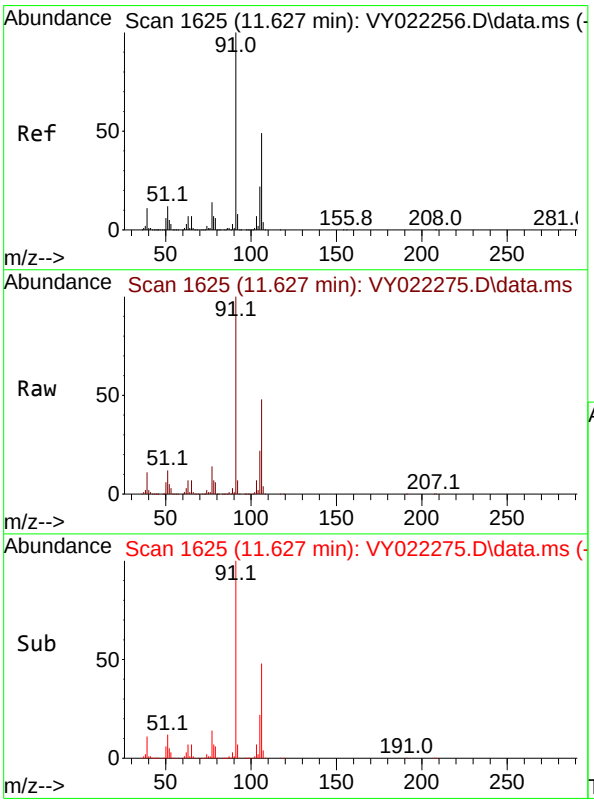
#67
Ethyl Benzene
Concen: 47.588 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 612536

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.0

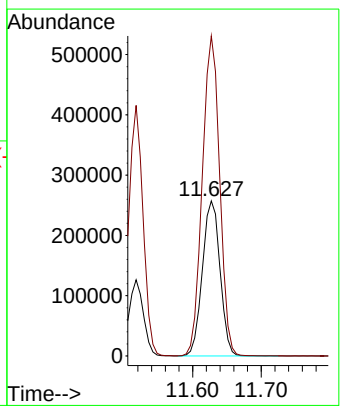


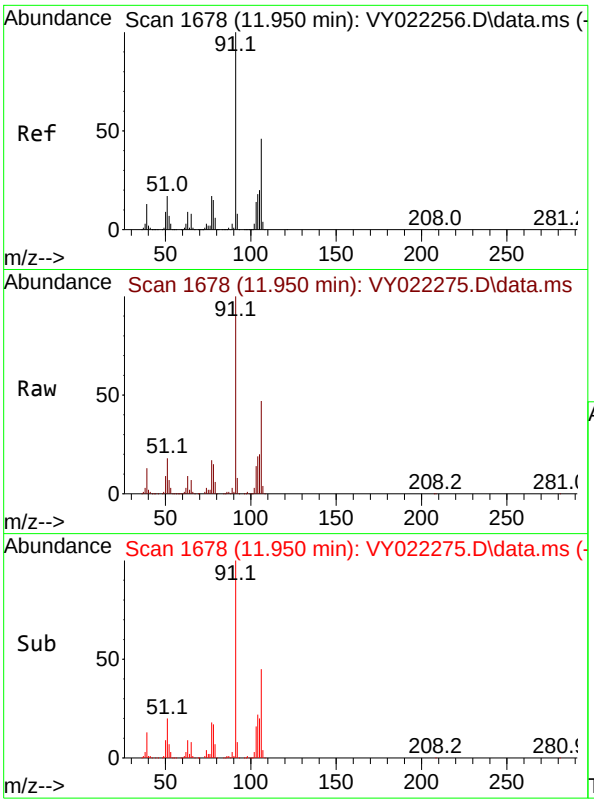


#68
m/p-Xylenes
Concen: 95.289 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:106 Resp: 462177

Ion	Ratio	Lower	Upper
106	100		
91	203.0	163.0	244.4



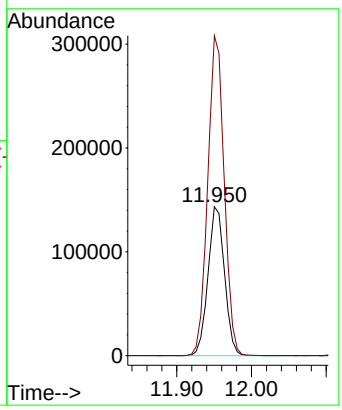


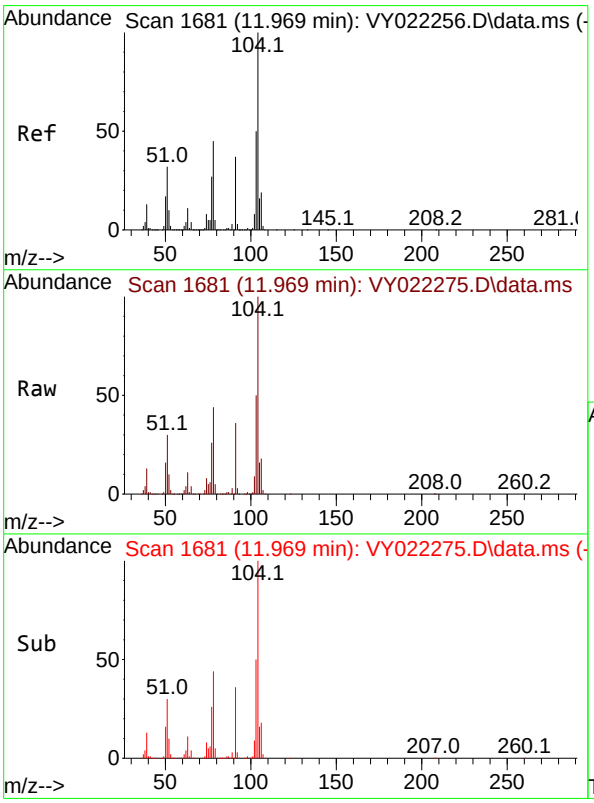
#69
o-Xylene
Concen: 48.022 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 220371

Ion	Ratio	Lower	Upper
106	100		
91	213.6	108.3	324.8

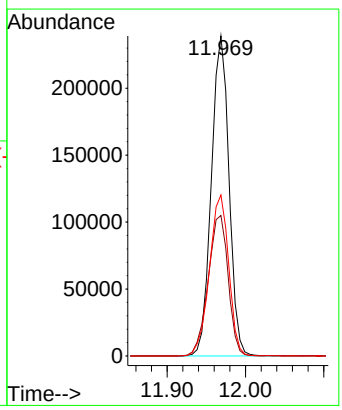


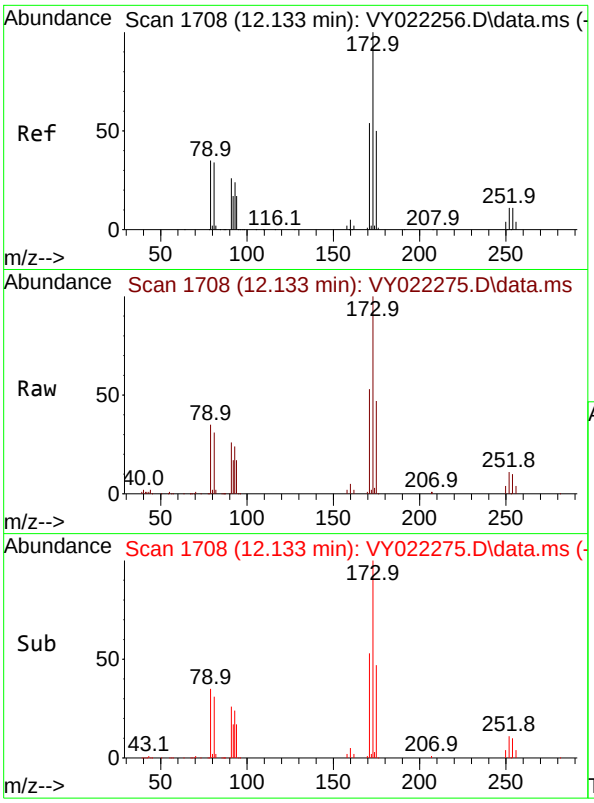


#70
Styrene
Concen: 48.433 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:104 Resp: 374912

Ion	Ratio	Lower	Upper
104	100		
78	49.7	40.9	61.3
103	54.9	43.7	65.5



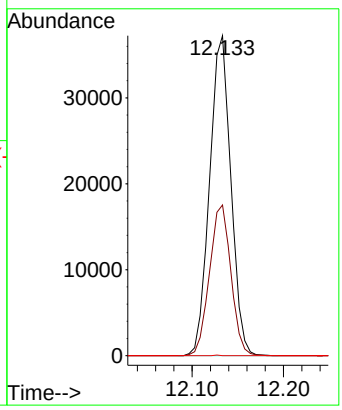


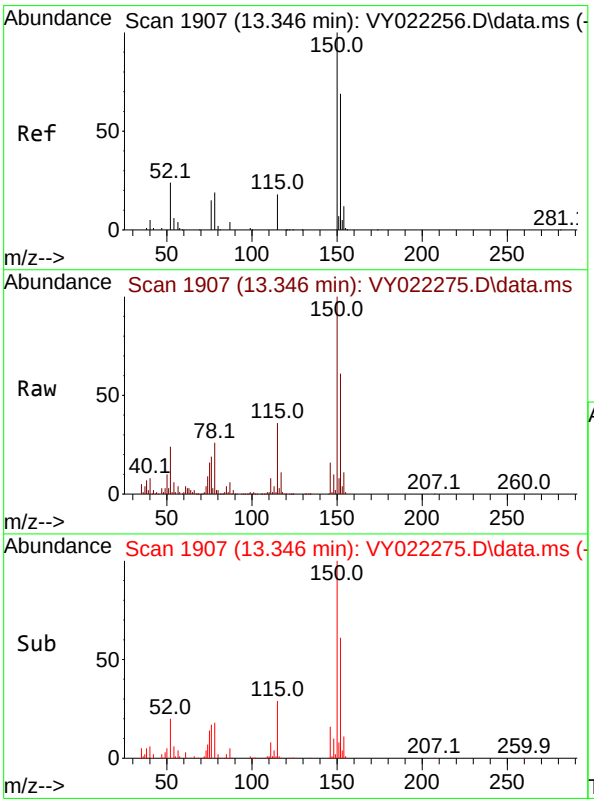
#71
Bromoform
Concen: 47.123 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 60098

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.7	74.1
254	0.0	0.0	0.0#

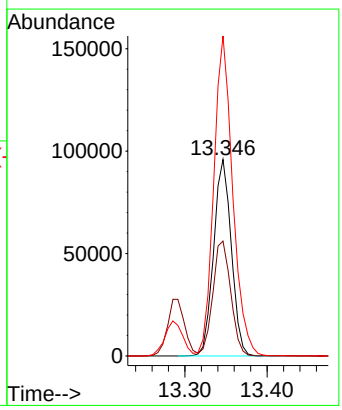


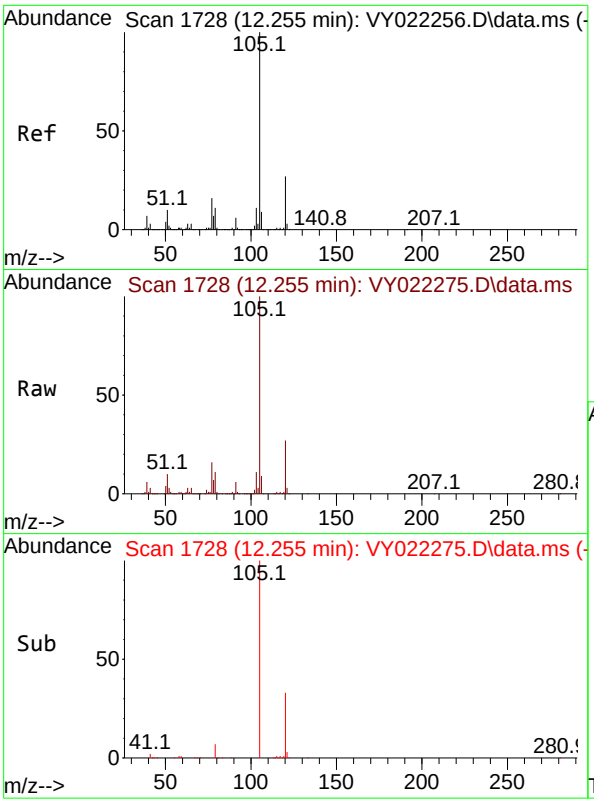


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:152 Resp: 143337

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.4	88.2
150	174.3	0.0	353.8



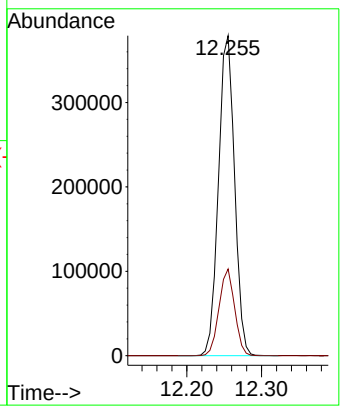


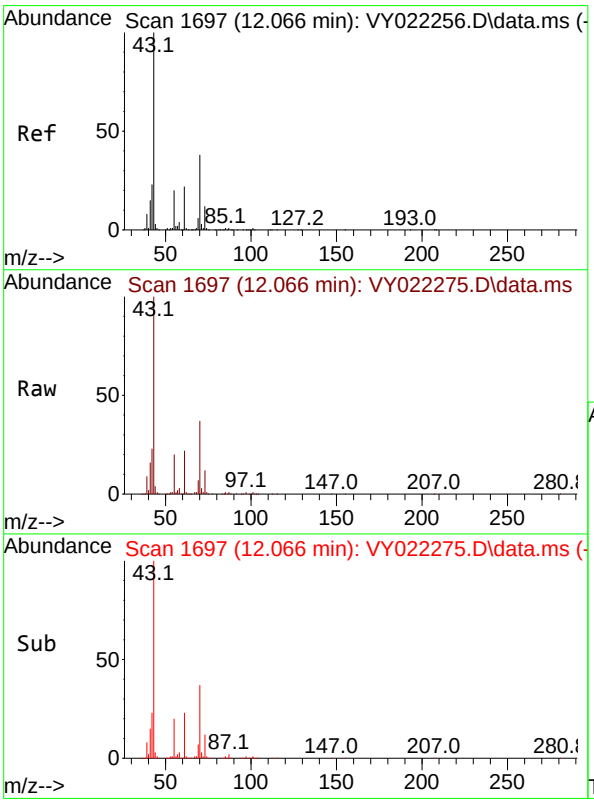
#73
Isopropylbenzene
Concen: 47.714 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 566596

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

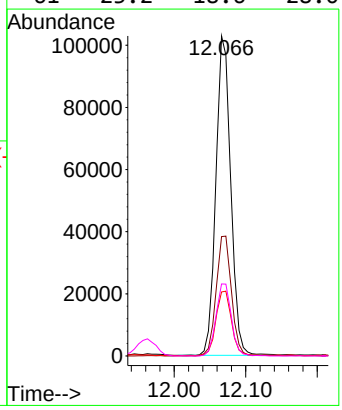


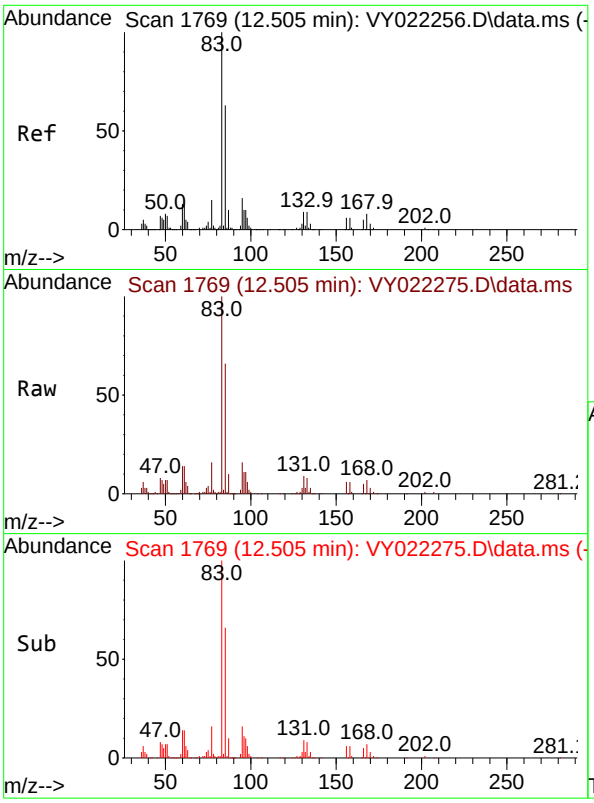


#74
N-amyl acetate
Concen: 43.719 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 43 Resp: 148480

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.4	47.0
55	21.2	17.0	25.6
61	23.2	18.6	28.0



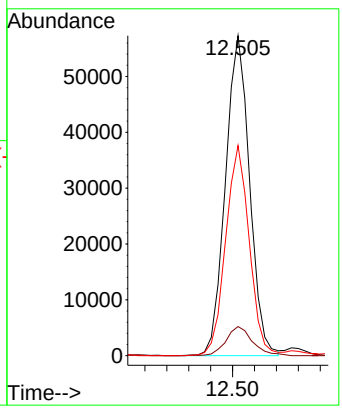


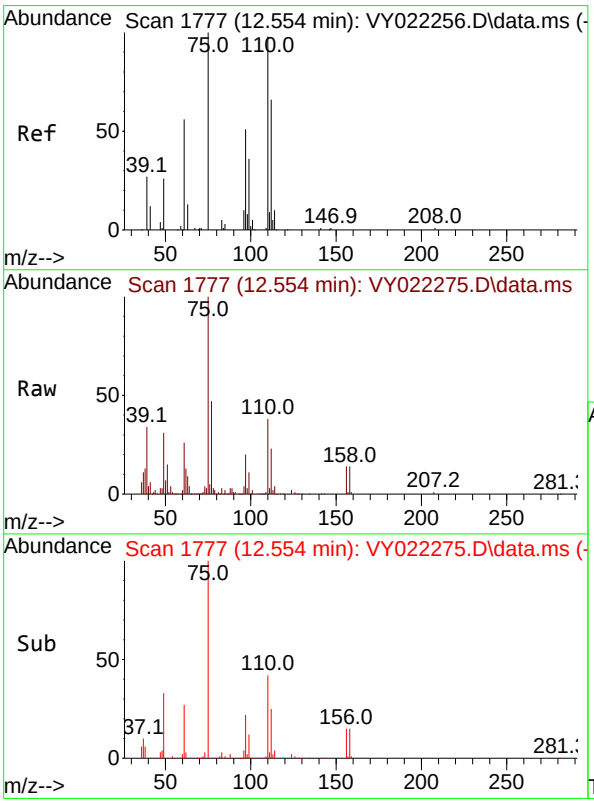
#75
1,1,2,2-Tetrachloroethane
Concen: 47.972 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 87608

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.2	32.0	96.0

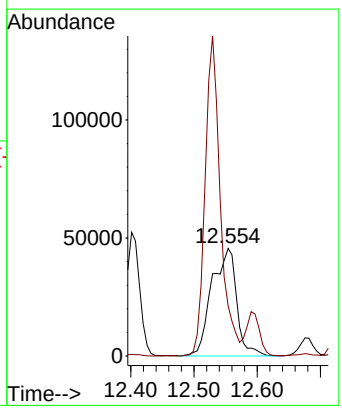


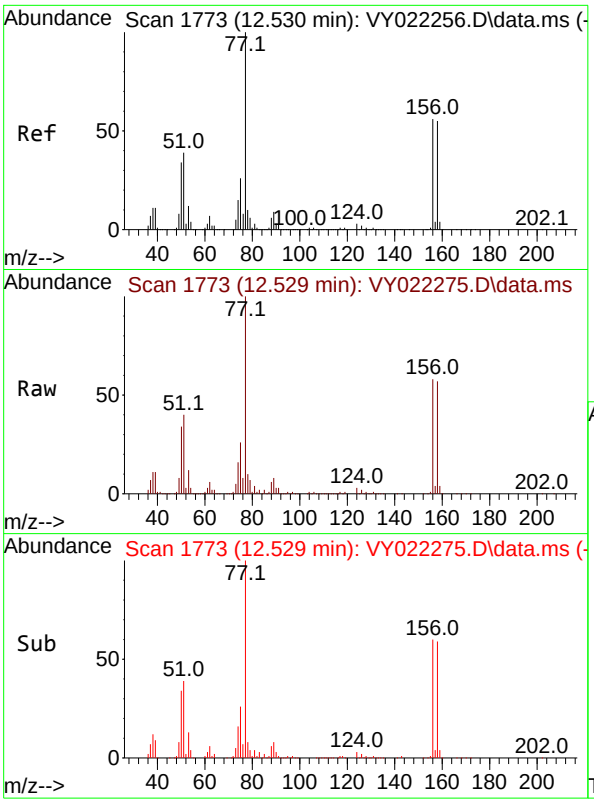


#76
1,2,3-Trichloropropane
Concen: 85.957 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 124823

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



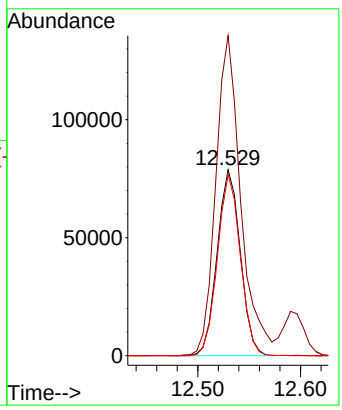


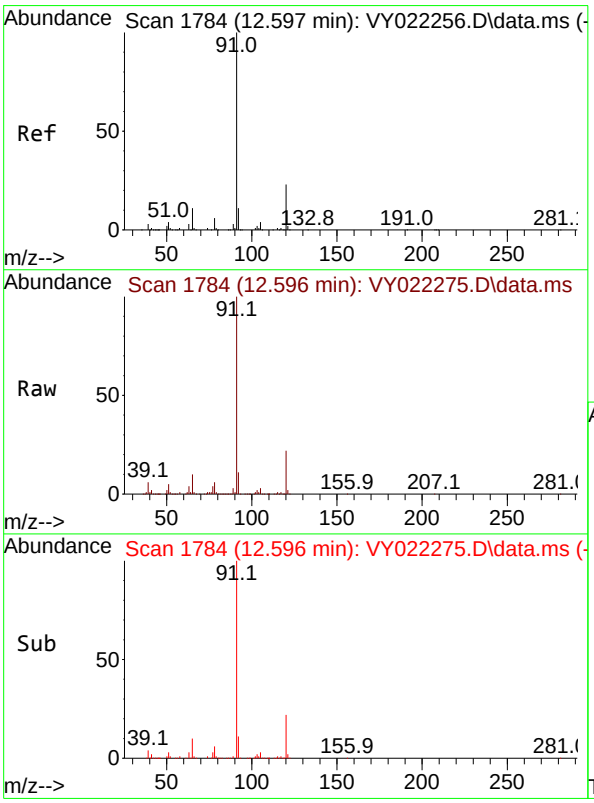
#77
Bromobenzene
Concen: 48.481 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 122958

Ion	Ratio	Lower	Upper
156	100		
77	185.9	94.5	283.6
158	96.1	48.4	145.3

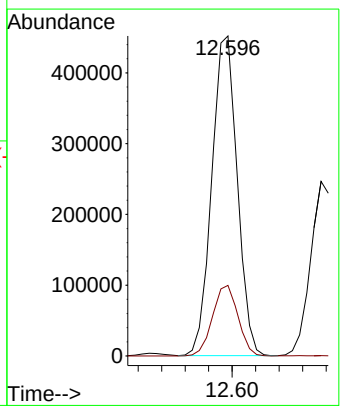


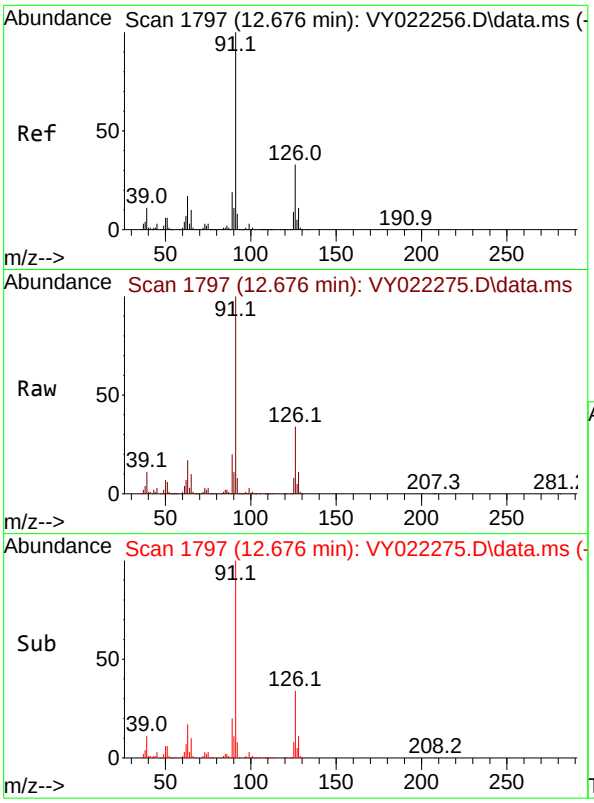


#78
n-propylbenzene
Concen: 47.543 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 91 Resp: 680966

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3



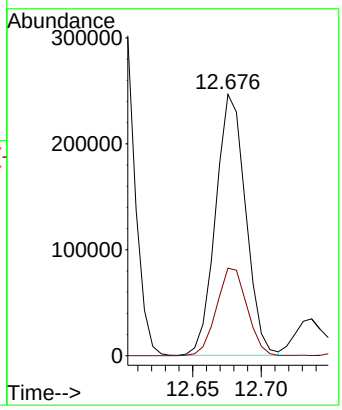


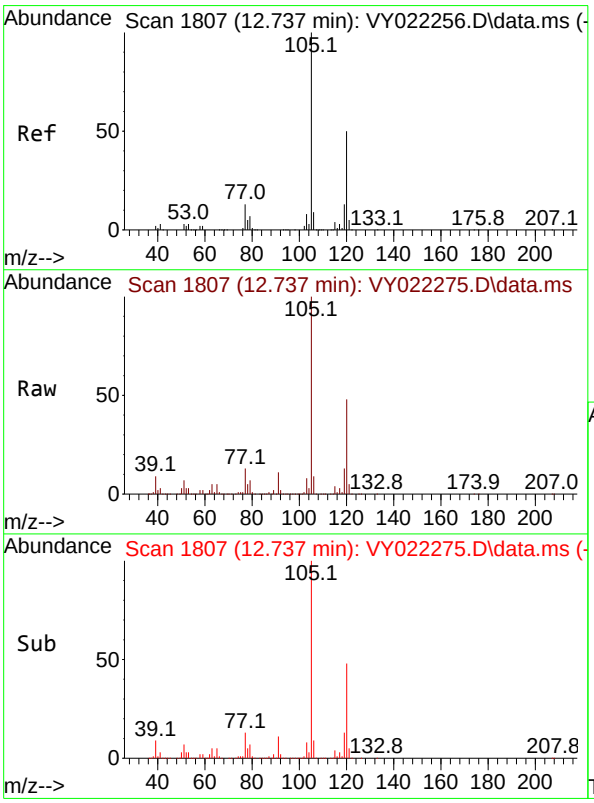
#79
2-Chlorotoluene
Concen: 47.755 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 375886

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.8	50.4

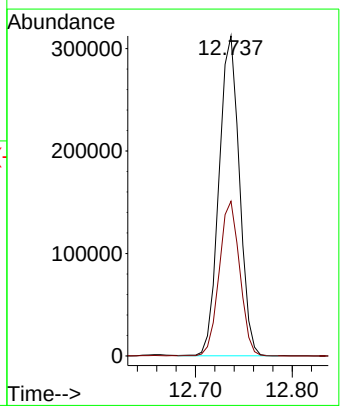


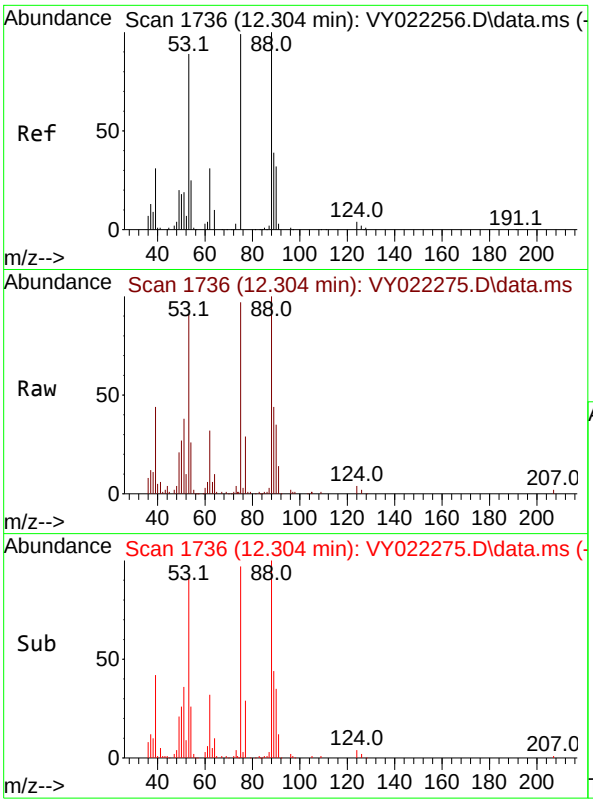


#80
1,3,5-Trimethylbenzene
Concen: 47.548 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:105 Resp: 455782

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6



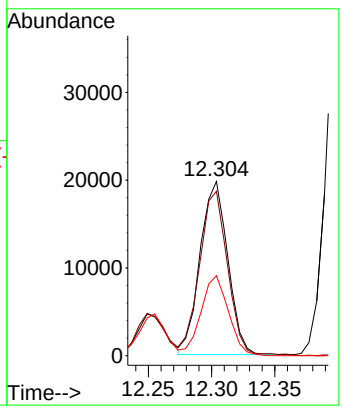


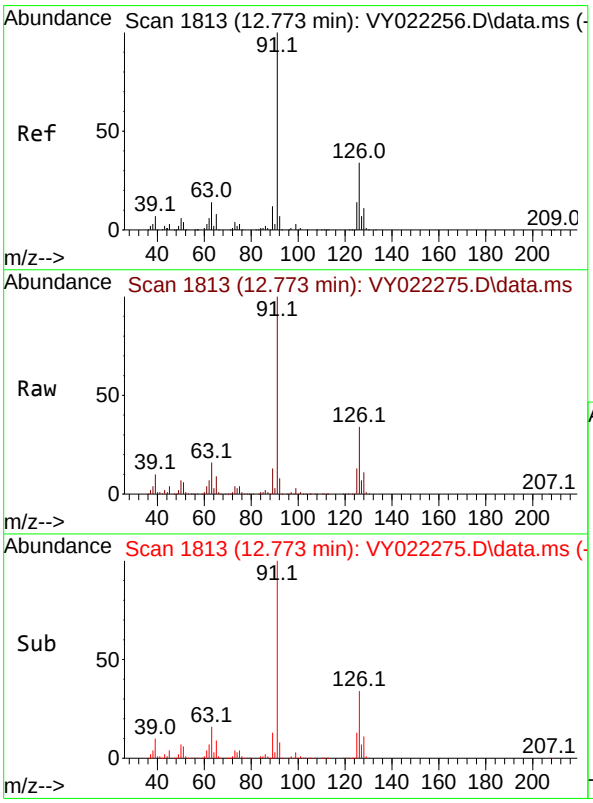
#81
trans-1,4-Dichloro-2-butene
Concen: 42.006 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 30112

Ion	Ratio	Lower	Upper
75	100		
53	96.6	75.8	113.8
89	45.8	36.2	54.2

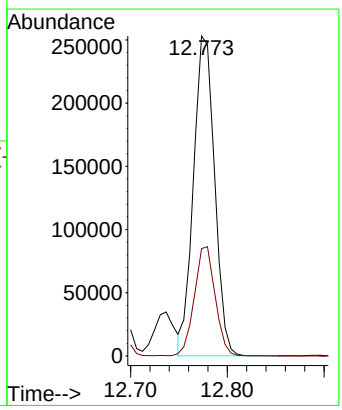


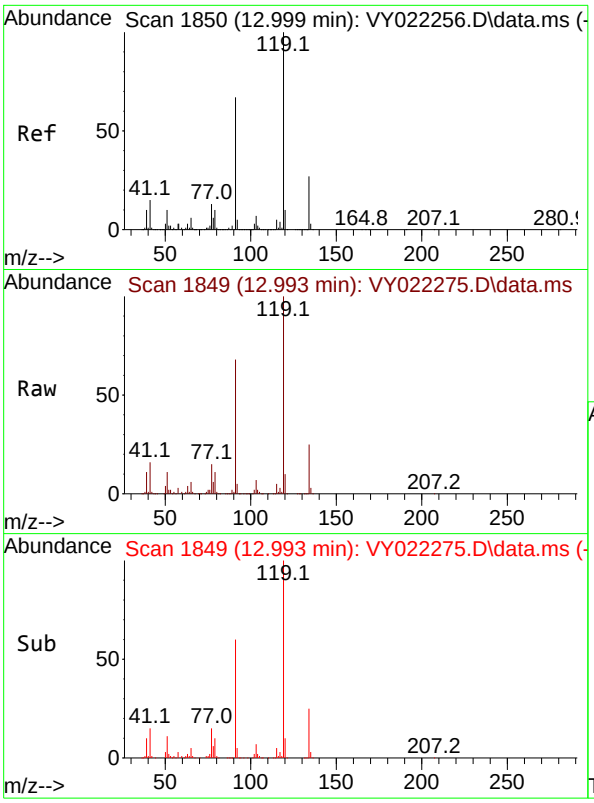


#82
4-Chlorotoluene
Concen: 47.537 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 91 Resp: 384865

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4



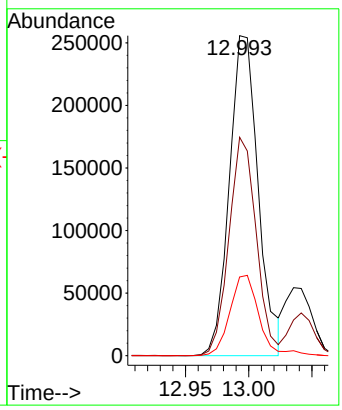


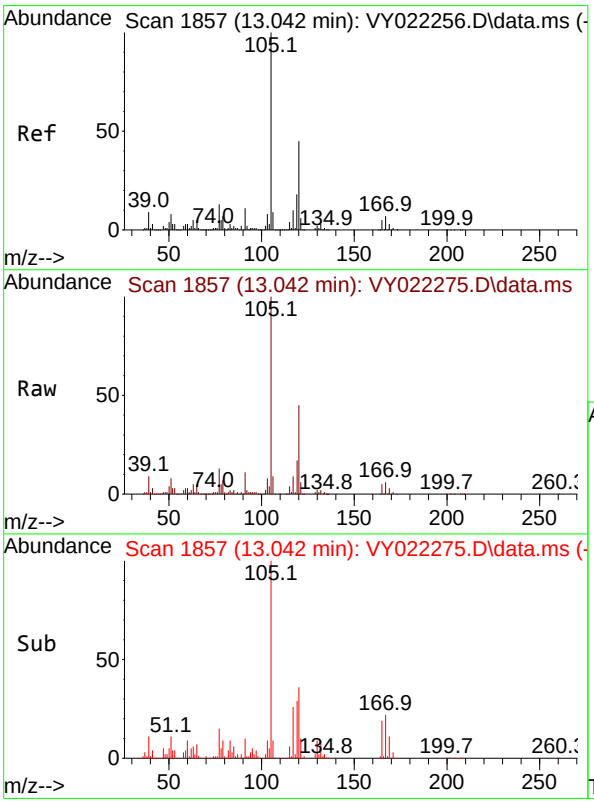
#83
tert-Butylbenzene
Concen: 47.735 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 406701

Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.8	98.3
134	25.4	12.9	38.6

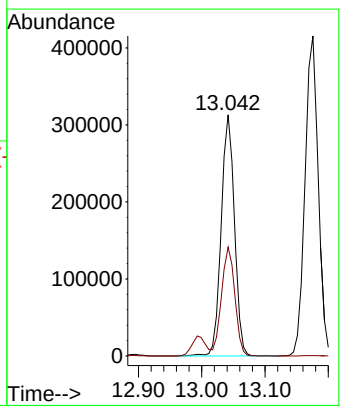


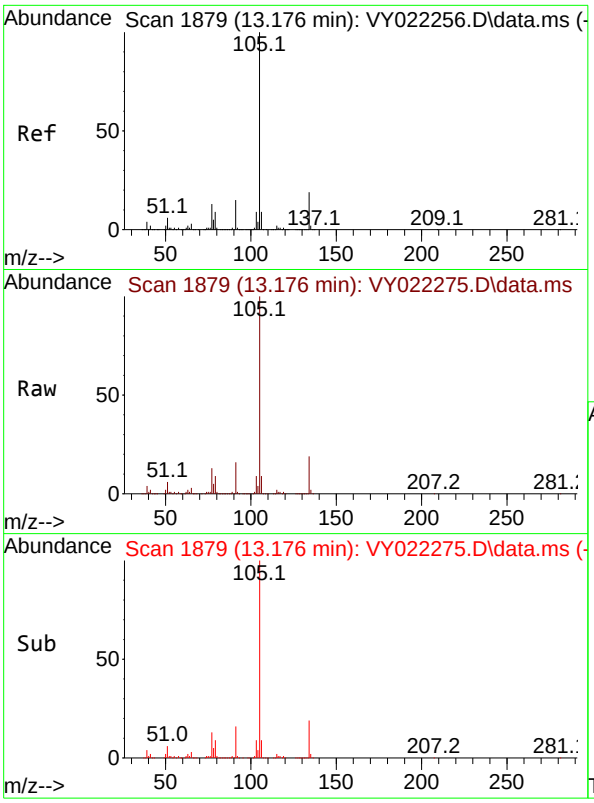


#84
1,2,4-Trimethylbenzene
Concen: 47.773 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:105 Resp: 454585

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.9



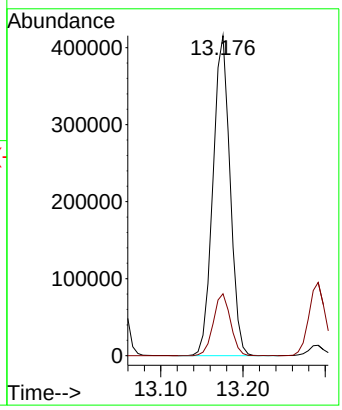


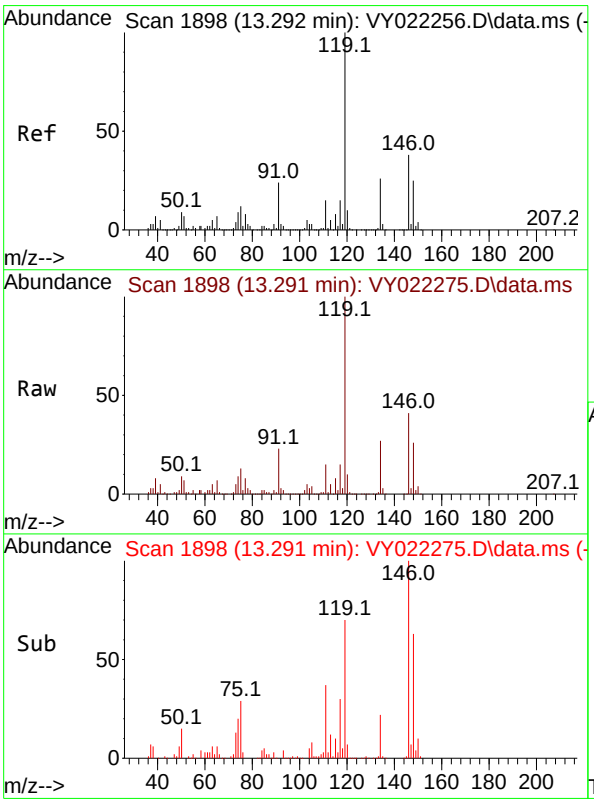
#85
sec-Butylbenzene
Concen: 47.404 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 599530

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

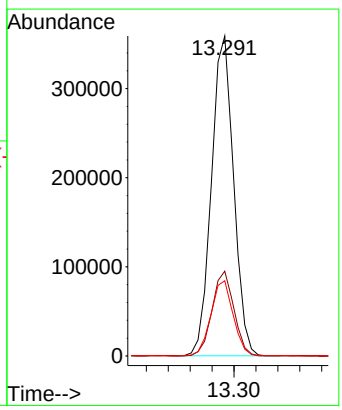


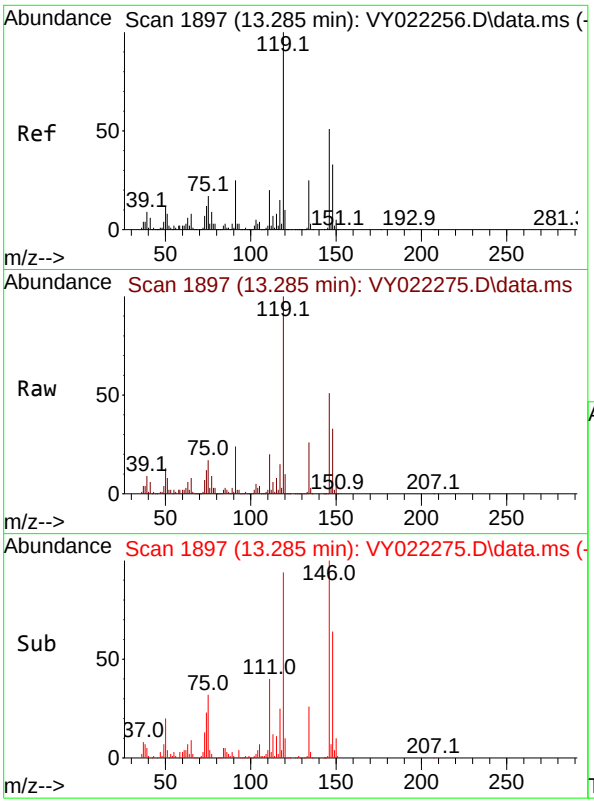


#86
p-Isopropyltoluene
Concen: 47.362 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:119 Resp: 503789

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	23.6	12.1	36.3



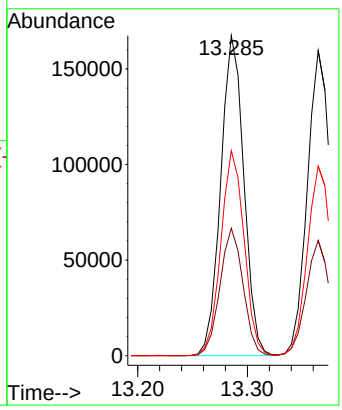


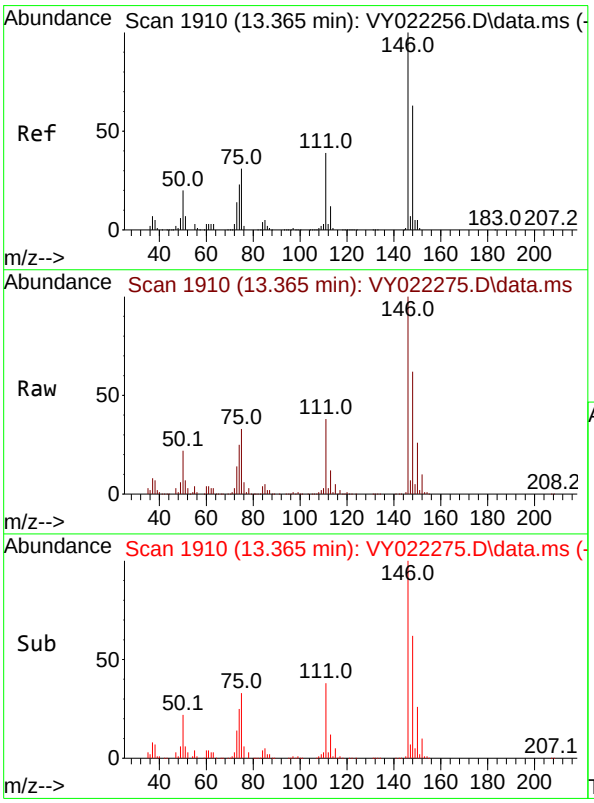
#87
1,3-Dichlorobenzene
Concen: 47.502 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 245939

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	64.4	31.9	95.7

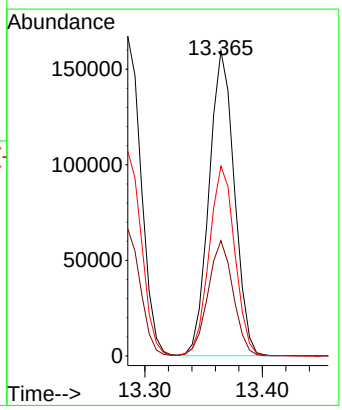


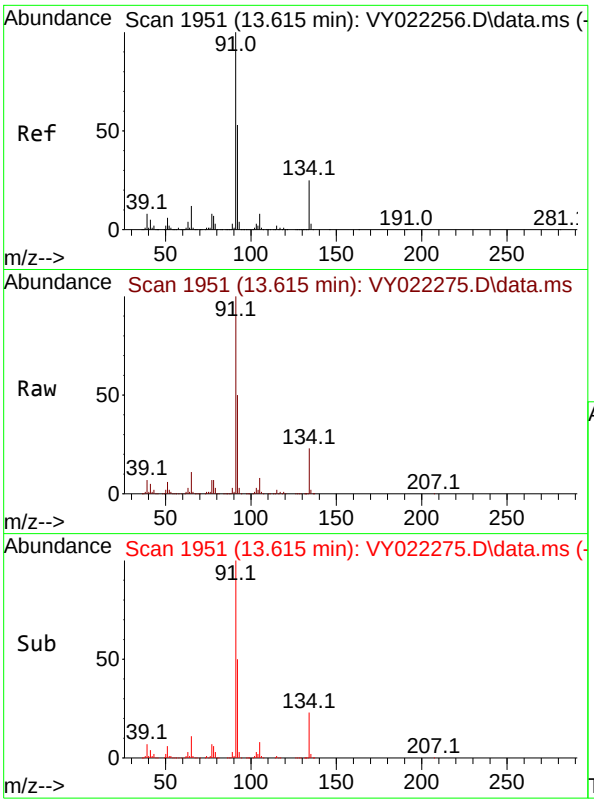


#88
1,4-Dichlorobenzene
Concen: 47.980 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:146 Resp: 238952

Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.0	59.9
148	63.2	32.1	96.5



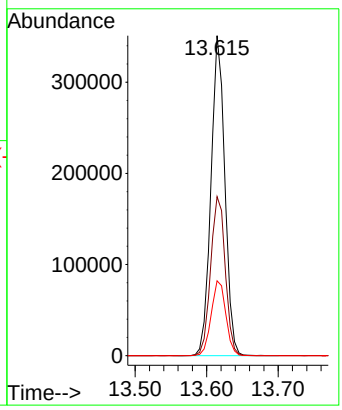


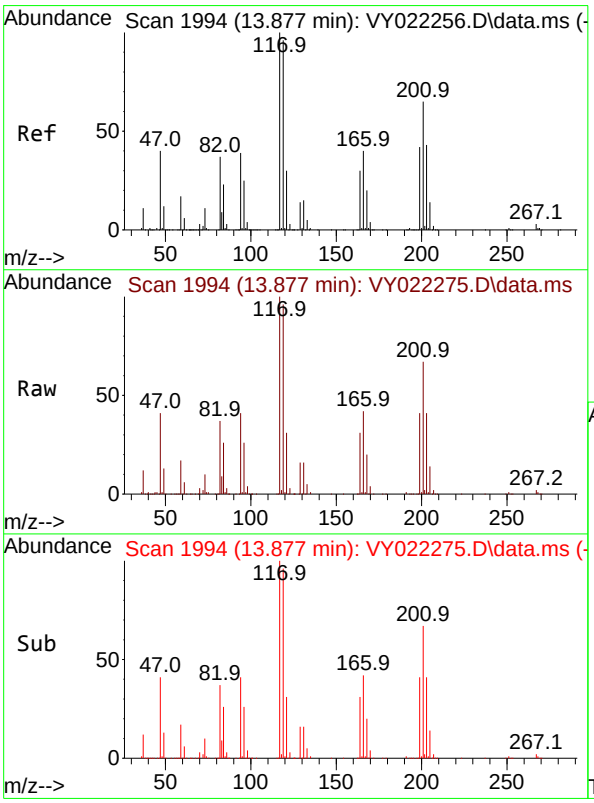
#89
n-Butylbenzene
Concen: 47.071 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 473672

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	24.6	12.4	37.4

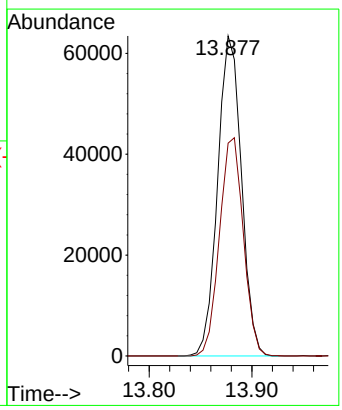


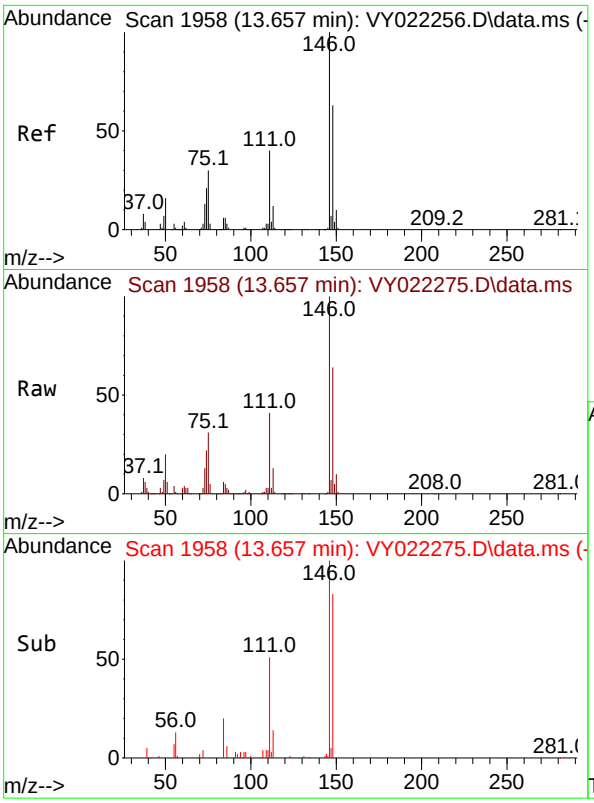


#90
Hexachloroethane
Concen: 47.405 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:117 Resp: 101787

Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6



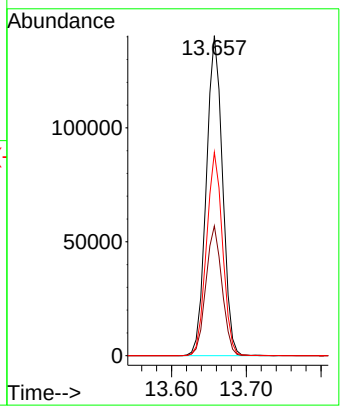


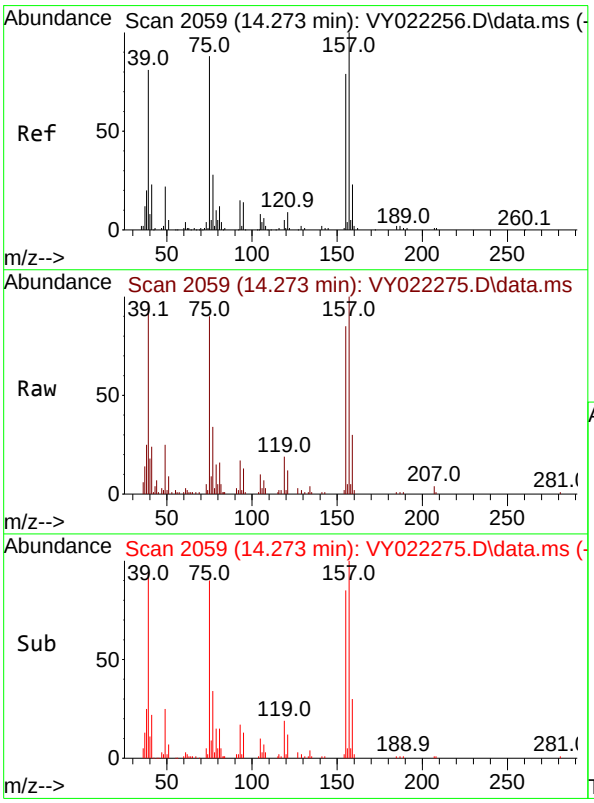
#91
1,2-Dichlorobenzene
Concen: 48.631 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 211496

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	62.9	32.0	96.0

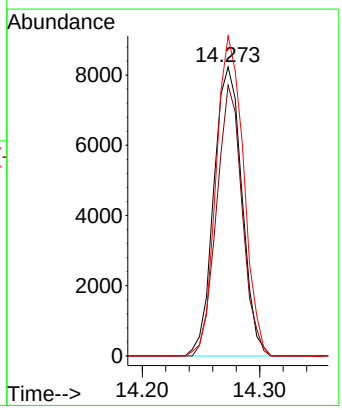


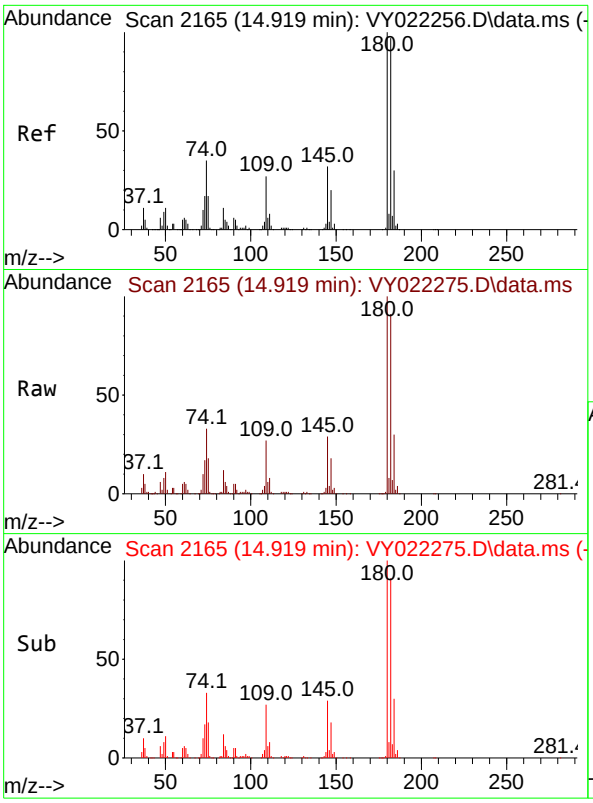


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.464 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion: 75 Resp: 13683

Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.4	130.1
157	108.3	54.6	163.9



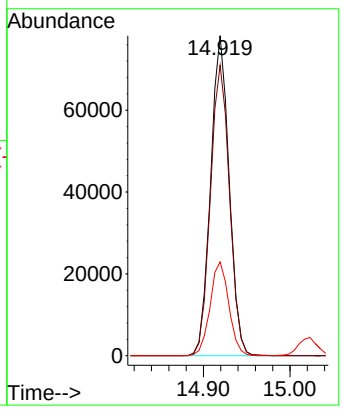


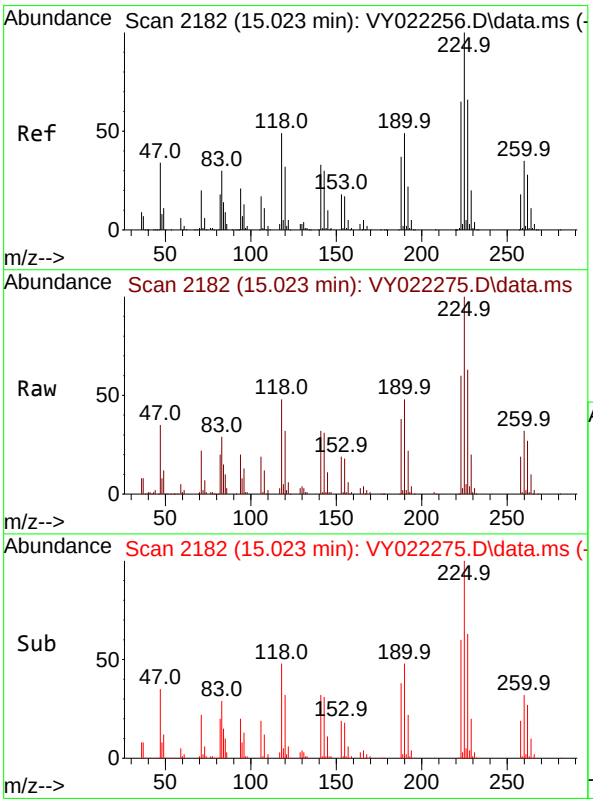
#93
1,2,4-Trichlorobenzene
Concen: 46.231 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 116136

Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.0
145	29.6	15.0	45.1

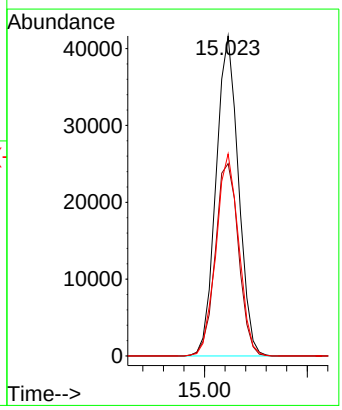


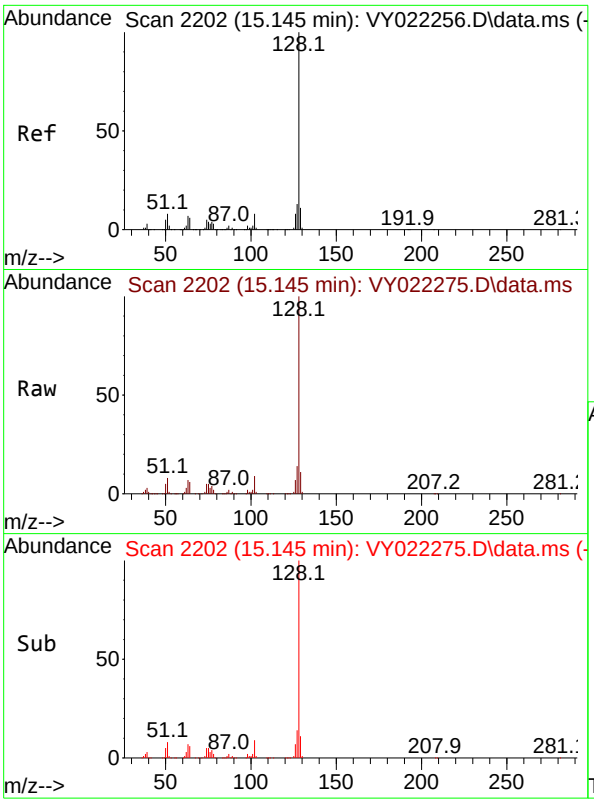


#94
Hexachlorobutadiene
Concen: 44.930 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:225 Resp: 62944

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	63.8	32.1	96.3



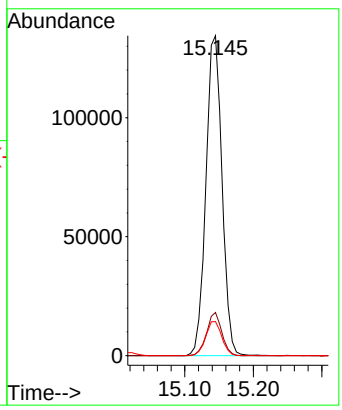


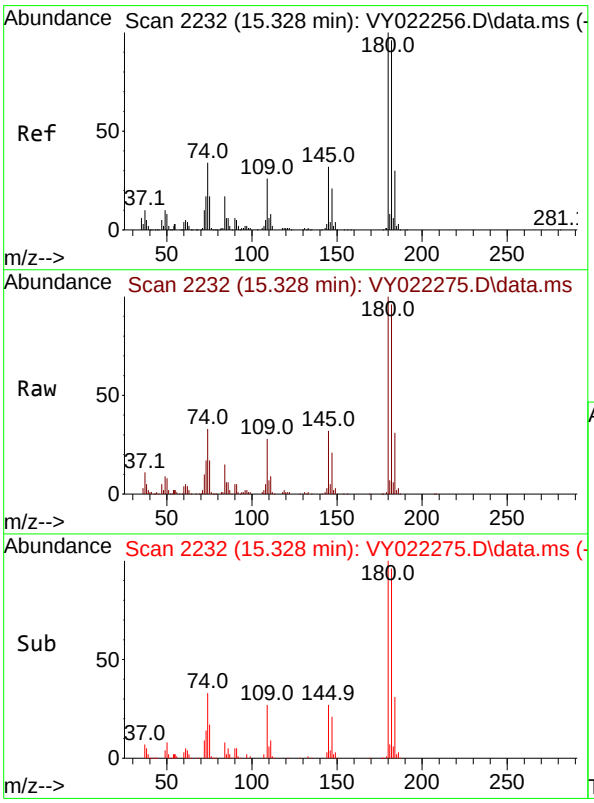
#95
Naphthalene
Concen: 46.015 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 219362

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.8	13.2

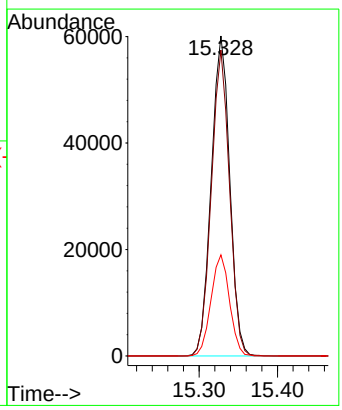




#96
1,2,3-Trichlorobenzene
Concen: 46.274 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022275.D
Acq: 15 May 2025 19:52

Tgt Ion:180 Resp: 98613

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.3
145	31.6	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	212993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	356583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117567	50.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.020%			
35) Dibromofluoromethane	7.634	113	109661	51.525	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.060%			
50) Toluene-d8	10.109	98	450916	51.731	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.407	95	138475	50.120	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	110954	49.923	ug/l	99
3) Chloromethane	2.068	50	227201	48.598	ug/l	99
4) Vinyl Chloride	2.202	62	286097	54.773	ug/l	96
5) Bromomethane	2.598	94	228058	53.635	ug/l	99
6) Chloroethane	2.738	64	188872	58.123	ug/l	95
7) Trichlorofluoromethane	3.055	101	278547	52.672	ug/l	100
8) Diethyl Ether	3.452	74	65966	51.977	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	121276	52.824	ug/l	100
10) Methyl Iodide	4.007	142	149113	56.117	ug/l	99
11) Tert butyl alcohol	4.872	59	42970	241.730	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	121321	53.251	ug/l	99
13) Acrolein	3.653	56	53247	204.899	ug/l	99
14) Allyl chloride	4.384	41	204941	51.302	ug/l	96
15) Acrylonitrile	5.061	53	135814	259.711	ug/l	98
16) Acetone	3.872	43	109507	250.886	ug/l	100
17) Carbon Disulfide	4.104	76	394070	53.042	ug/l	99
18) Methyl Acetate	4.384	43	69106	50.215	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	328680	52.321	ug/l	97
20) Methylene Chloride	4.616	84	134377	47.645	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	133277	52.998	ug/l	98
22) Diisopropyl ether	6.018	45	437077	51.810	ug/l	100
23) Vinyl Acetate	5.957	43	1279898	251.128	ug/l	100
24) 1,1-Dichloroethane	5.915	63	249652	52.970	ug/l	99
25) 2-Butanone	6.896	43	177141	242.624	ug/l	100
26) 2,2-Dichloropropane	6.884	77	227980	54.384	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	156977	54.093	ug/l	99
28) Bromochloromethane	7.244	49	103785	51.625	ug/l	99
29) Tetrahydrofuran	7.262	42	115748	246.422	ug/l	96
30) Chloroform	7.421	83	247345	54.713	ug/l	94
31) Cyclohexane	7.701	56	232896	49.457	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	221082	53.304	ug/l	99
36) 1,1-Dichloropropene	7.835	75	183482	52.341	ug/l	98
37) Ethyl Acetate	6.982	43	82168	48.715	ug/l	98
38) Carbon Tetrachloride	7.817	117	191365	52.737	ug/l	97
39) Methylcyclohexane	9.109	83	242532	51.496	ug/l	100
40) Benzene	8.079	78	558801	53.771	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	50033	44.718	ug/l	#	91
42) 1,2-Dichloroethane	8.158	62	148582	52.870	ug/l		100
43) Isopropyl Acetate	8.195	43	182651	49.654	ug/l	#	88
44) Trichloroethene	8.865	130	135760	52.539	ug/l		98
45) 1,2-Dichloropropane	9.140	63	132126	52.735	ug/l		97
46) Dibromomethane	9.231	93	70093	51.869	ug/l		99
47) Bromodichloromethane	9.426	83	189903	54.169	ug/l		98
48) Methyl methacrylate	9.219	41	85212	49.534	ug/l		98
49) 1,4-Dioxane	9.231	88	15293	1001.752	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	446509	247.383	ug/l		98
52) Toluene	10.170	92	350043	53.192	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	178121	52.062	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	209477	53.441	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	90613	52.364	ug/l		96
56) Ethyl methacrylate	10.438	69	136463	50.626	ug/l		98
57) 1,3-Dichloropropane	10.719	76	161520	52.534	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	319368	263.967	ug/l		99
59) 2-Hexanone	10.761	43	294366	243.243	ug/l		98
60) Dibromochloromethane	10.914	129	120550	53.672	ug/l		99
61) 1,2-Dibromoethane	11.017	107	84972	52.685	ug/l		99
64) Tetrachloroethene	10.646	164	145990	51.645	ug/l		97
65) Chlorobenzene	11.444	112	367007	53.191	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	125569	52.937	ug/l		100
67) Ethyl Benzene	11.517	91	683403	52.887	ug/l		99
68) m/p-Xylenes	11.627	106	518397	106.465	ug/l		100
69) o-Xylene	11.956	106	246010	53.401	ug/l		98
70) Styrene	11.968	104	414482	53.337	ug/l		99
71) Bromoform	12.133	173	65518	51.173	ug/l	#	98
73) Isopropylbenzene	12.255	105	638419	53.338	ug/l		100
74) N-amyl acetate	12.072	43	170468	49.797	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93984	51.057	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	138679	94.745	ug/l	#	100
77) Bromobenzene	12.535	156	134547	52.632	ug/l		99
78) n-propylbenzene	12.596	91	773886	53.604	ug/l		100
79) 2-Chlorotoluene	12.682	91	422629	53.269	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	512810	53.075	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	34394	47.601	ug/l		97
82) 4-Chlorotoluene	12.779	91	434539	53.249	ug/l		100
83) tert-Butylbenzene	12.999	119	453991	52.865	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	515364	53.733	ug/l		100
85) sec-Butylbenzene	13.176	105	682585	53.545	ug/l		100
86) p-Isopropyltoluene	13.291	119	573661	53.506	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	277562	53.186	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	263812	52.554	ug/l		99
89) n-Butylbenzene	13.621	91	551378	54.360	ug/l		100
90) Hexachloroethane	13.883	117	115221	53.238	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	230646	52.616	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15069	50.767	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	134157	52.983	ug/l		99
94) Hexachlorobutadiene	15.023	225	74411	52.696	ug/l		100
95) Naphthalene	15.145	128	243439	50.663	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	111008	51.679	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

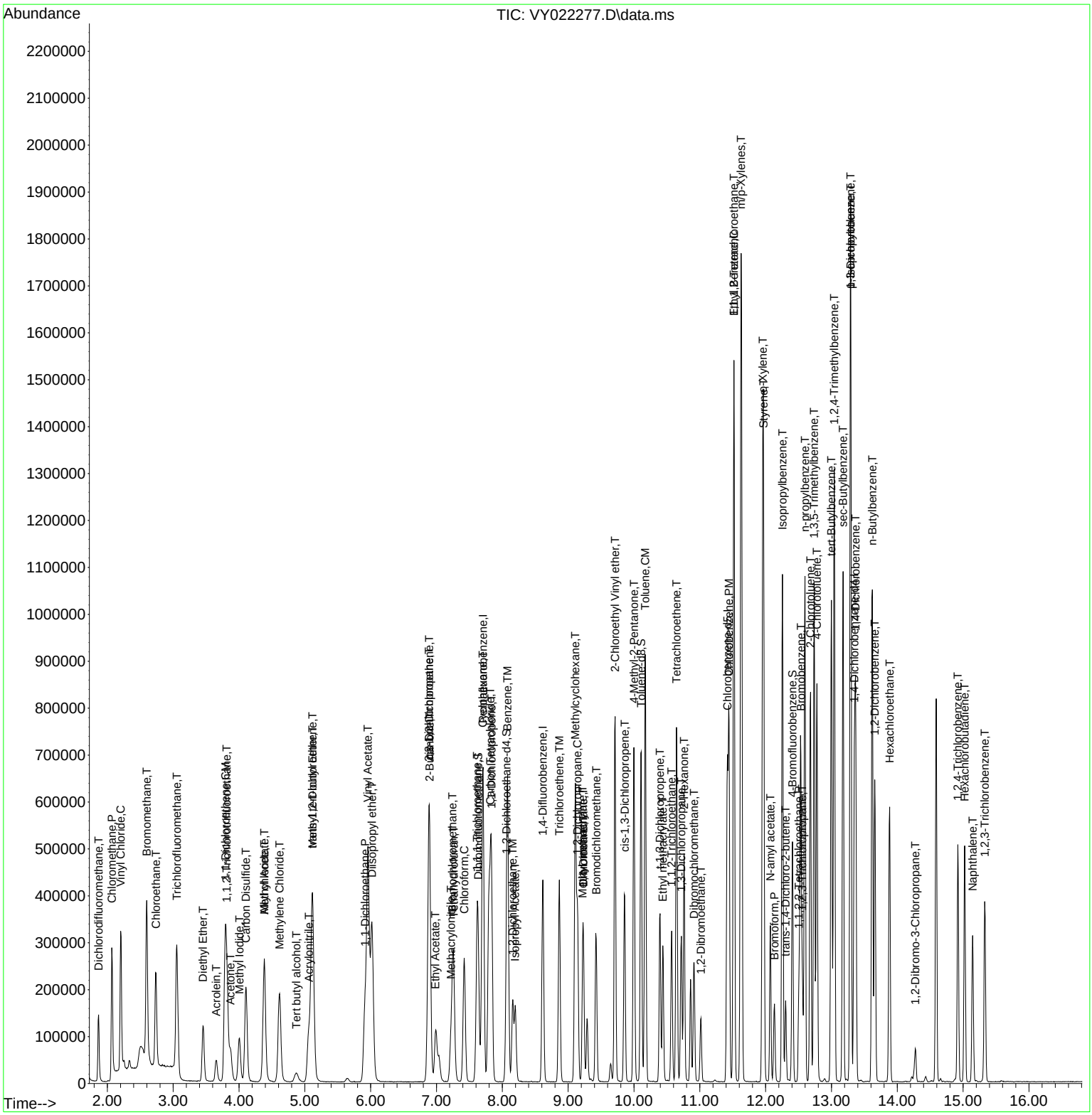
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

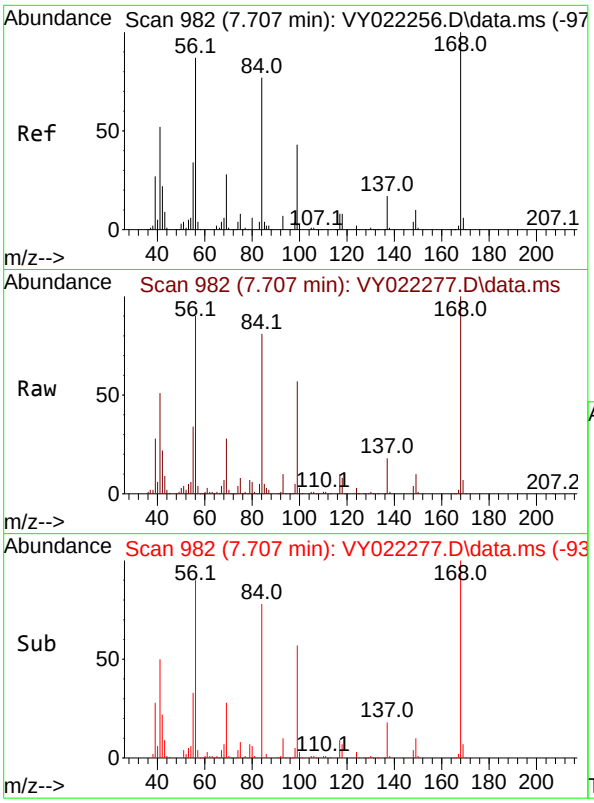
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022277.D
Acq On : 16 May 2025 08:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 17 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



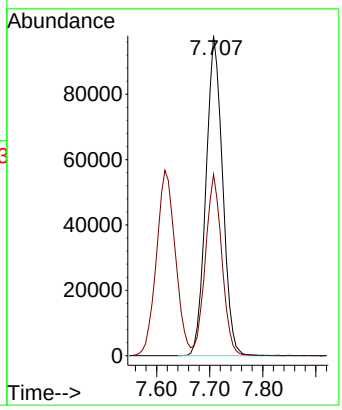


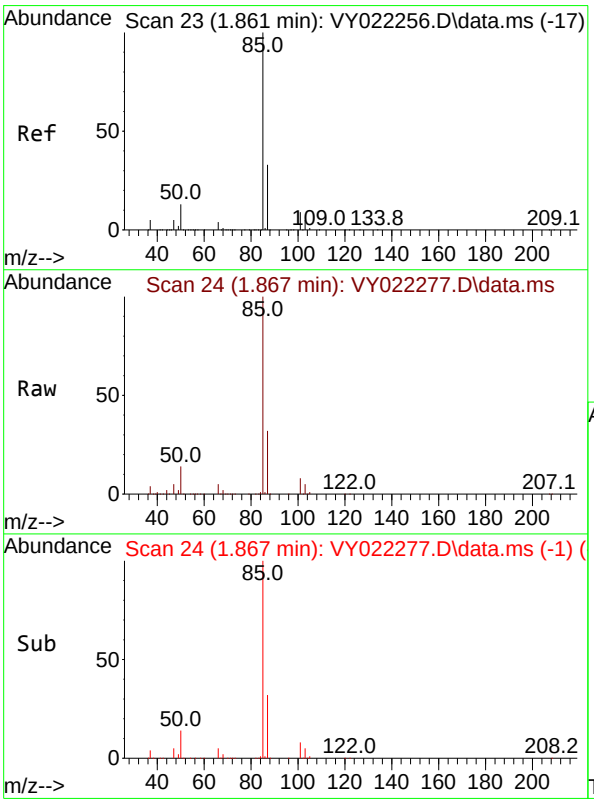
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 212993

Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.2	66.4

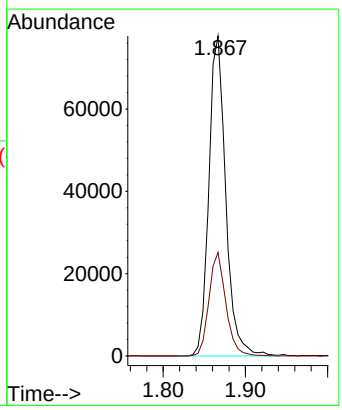


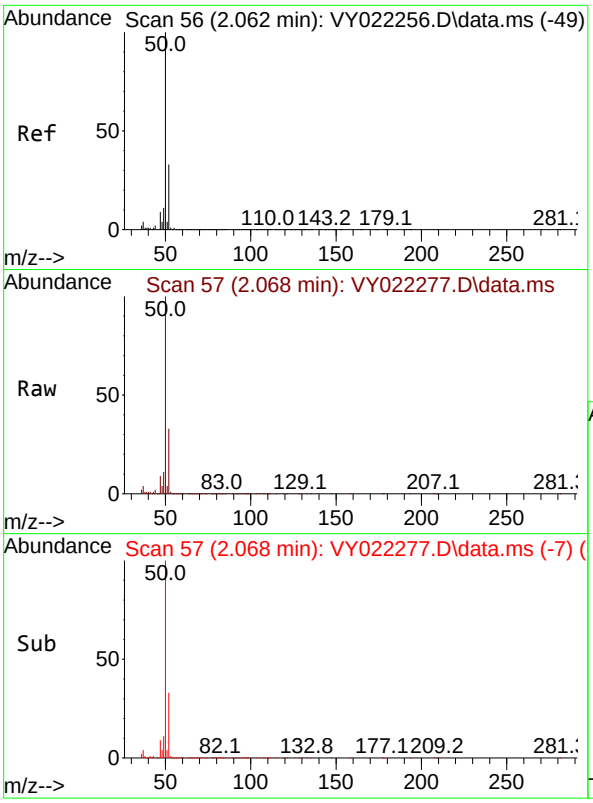


#2
Dichlorodifluoromethane
Concen: 49.923 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 85 Resp: 110954

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.5	49.5



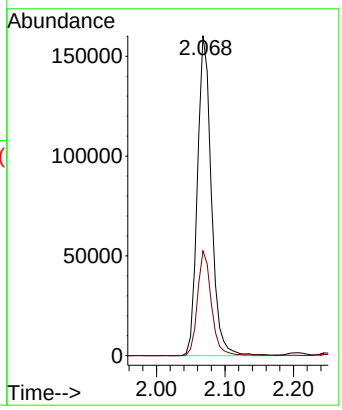


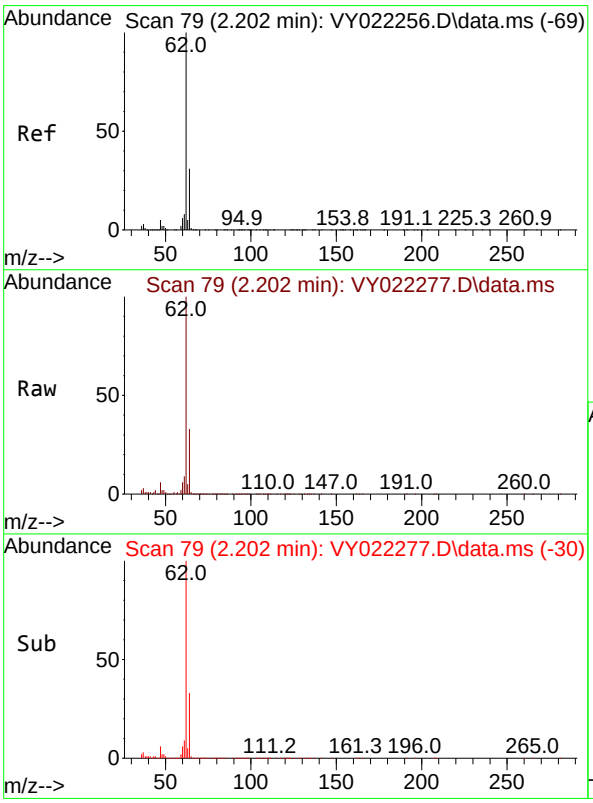
#3
Chloromethane
Concen: 48.598 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 227201

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.5	39.7

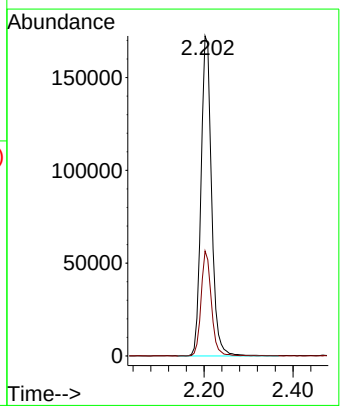


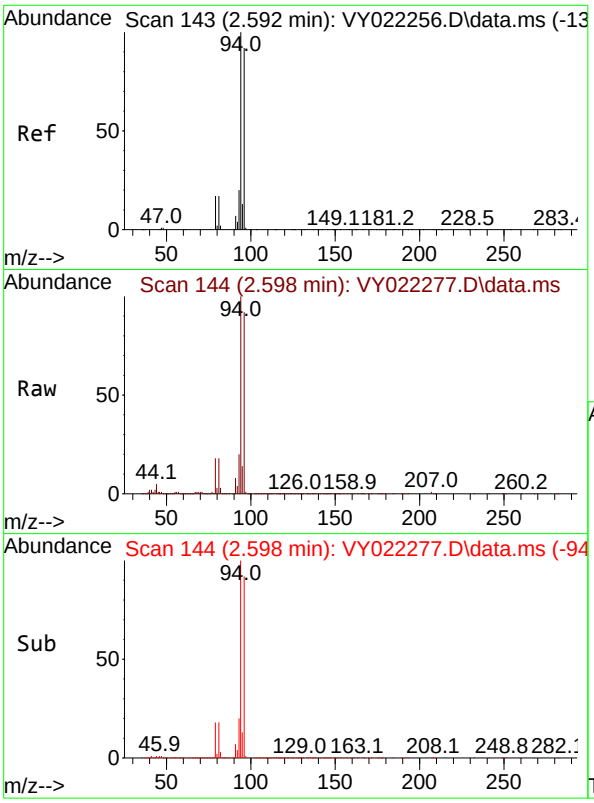


#4
Vinyl Chloride
Concen: 54.773 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 62 Resp: 286097

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.5	36.7



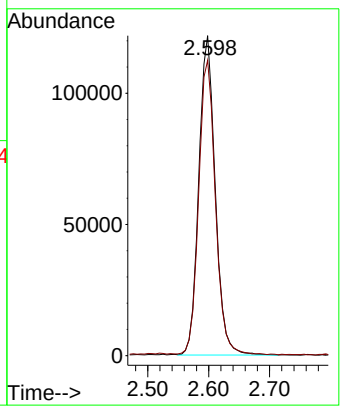


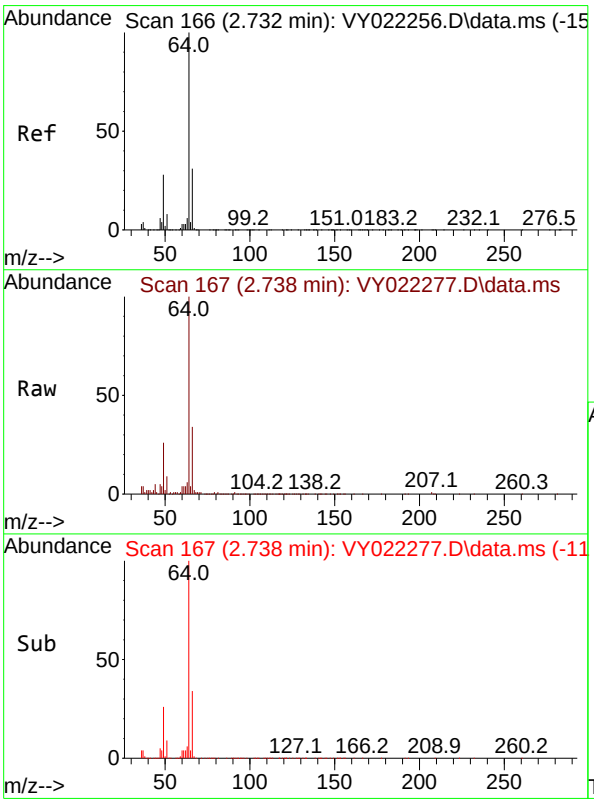
#5
Bromomethane
Concen: 53.635 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 228058

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.4	110.0

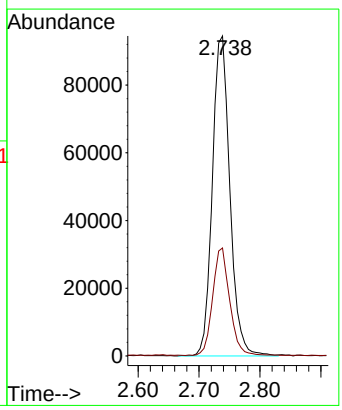


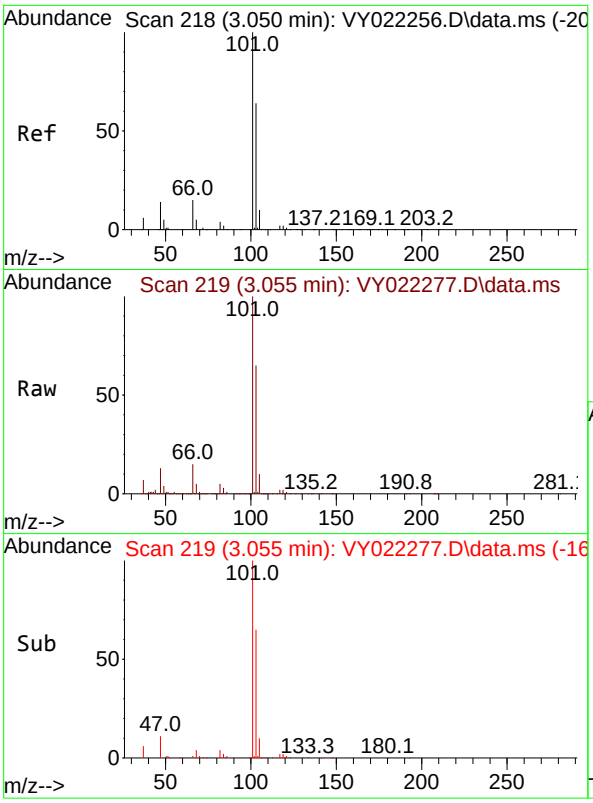


#6
Chloroethane
Concen: 58.123 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 64 Resp: 188872

Ion	Ratio	Lower	Upper
64	100		
66	33.5	24.8	37.2



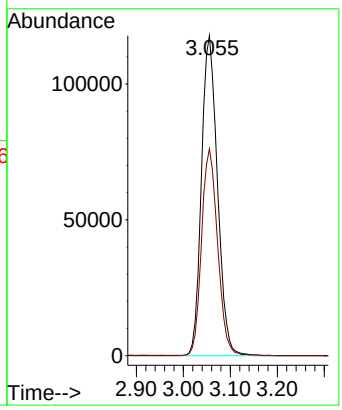


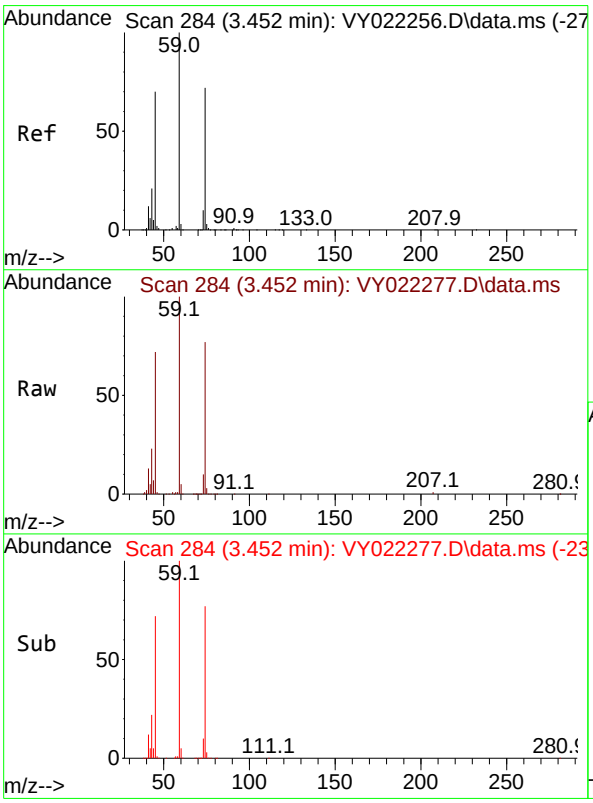
#7
Trichlorofluoromethane
Concen: 52.672 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 278547

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

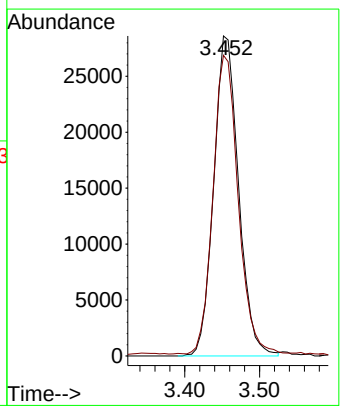


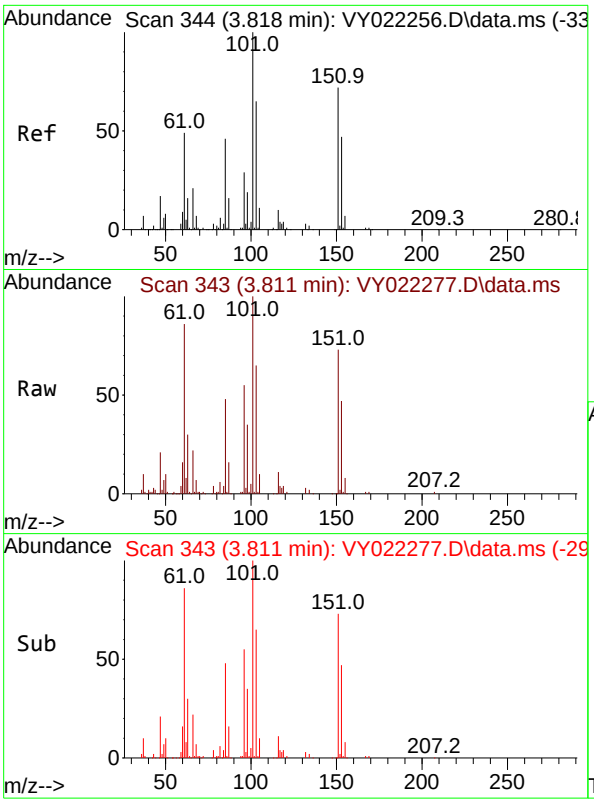


#8
Diethyl Ether
Concen: 51.977 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 74 Resp: 65966

Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.6	145.8



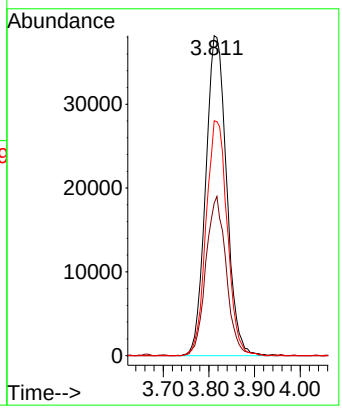


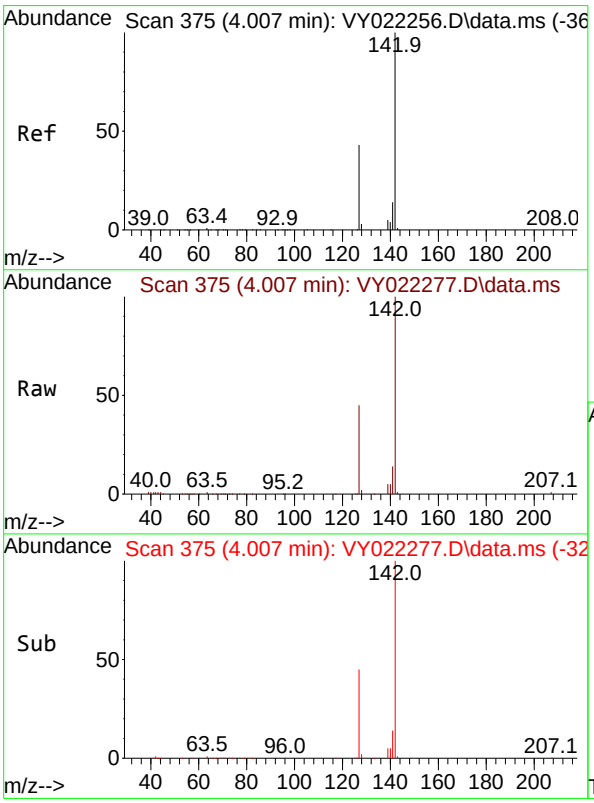
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.824 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 121276

Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.6	58.0
151	74.2	59.7	89.5

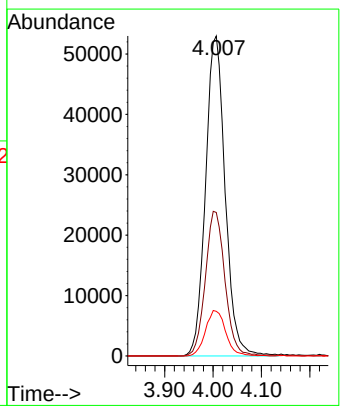


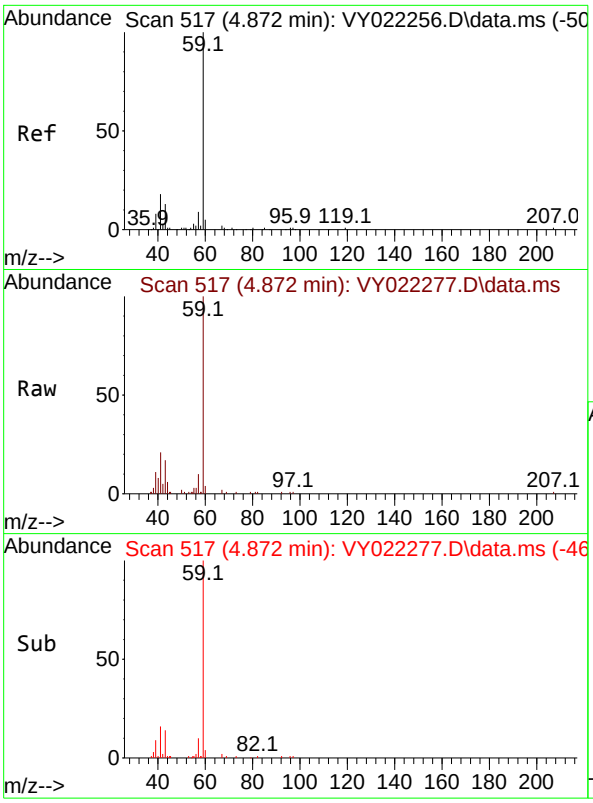


#10
Methyl Iodide
Concen: 56.117 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:142 Resp: 149113

Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.7	53.5
141	14.7	11.1	16.7



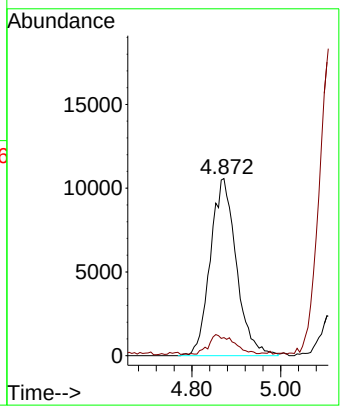


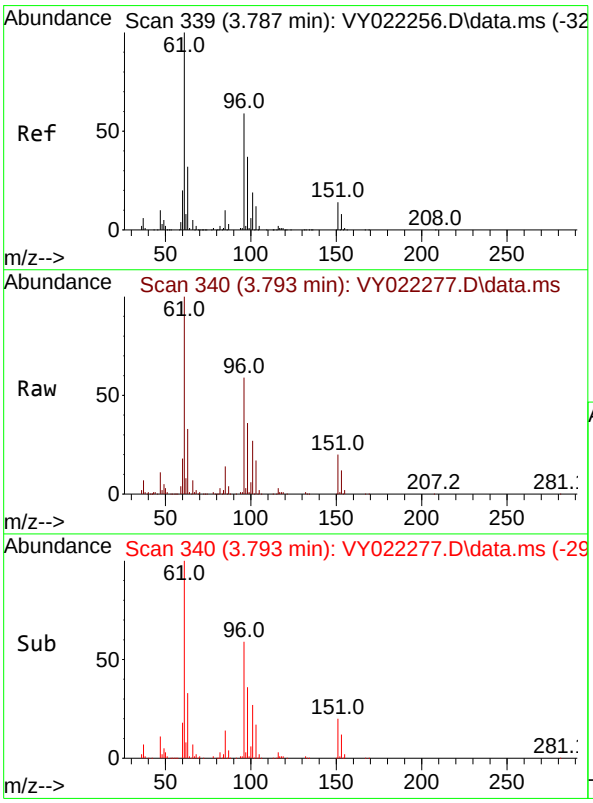
#11
Tert butyl alcohol
Concen: 241.730 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 42970

Ion	Ratio	Lower	Upper
59	100		
57	10.3	0.0	0.0#

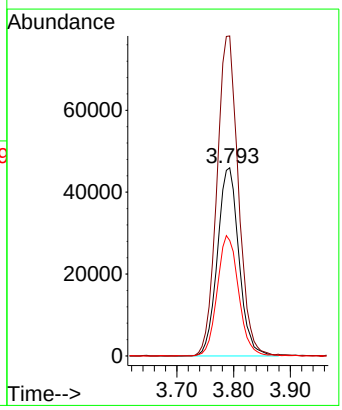


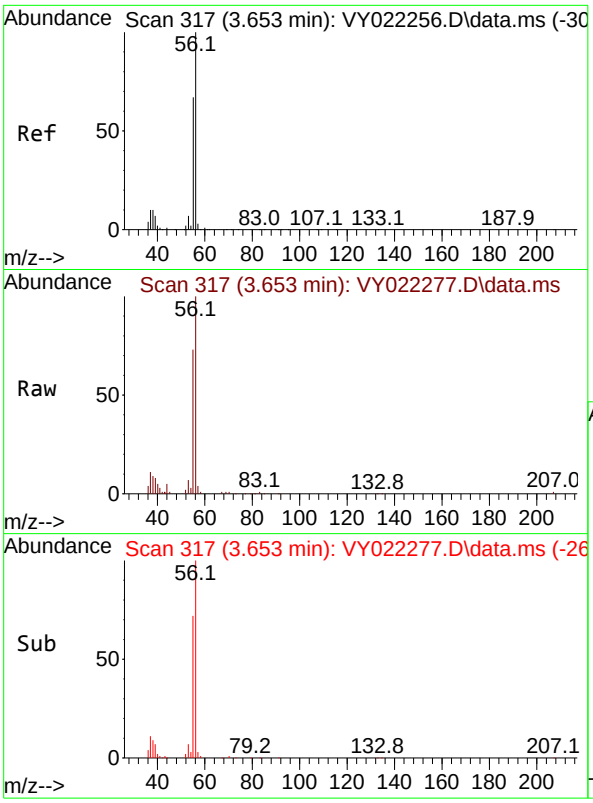


#12
1,1-Dichloroethene
Concen: 53.251 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 96 Resp: 121321

Ion	Ratio	Lower	Upper
96	100		
61	170.1	134.9	202.3
98	61.2	49.9	74.9



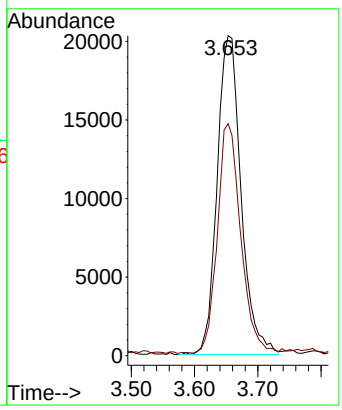


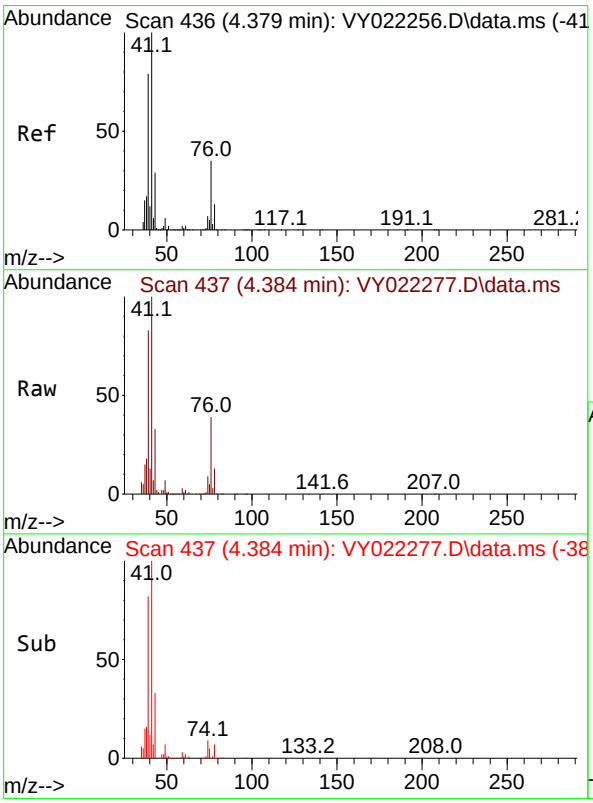
#13
Acrolein
Concen: 204.899 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 53247

Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.6	83.4

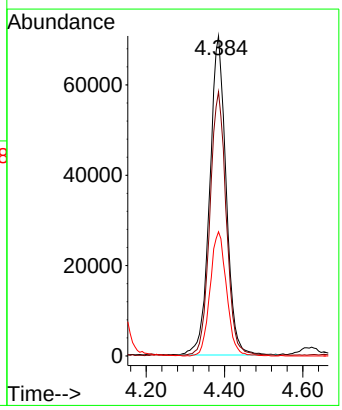


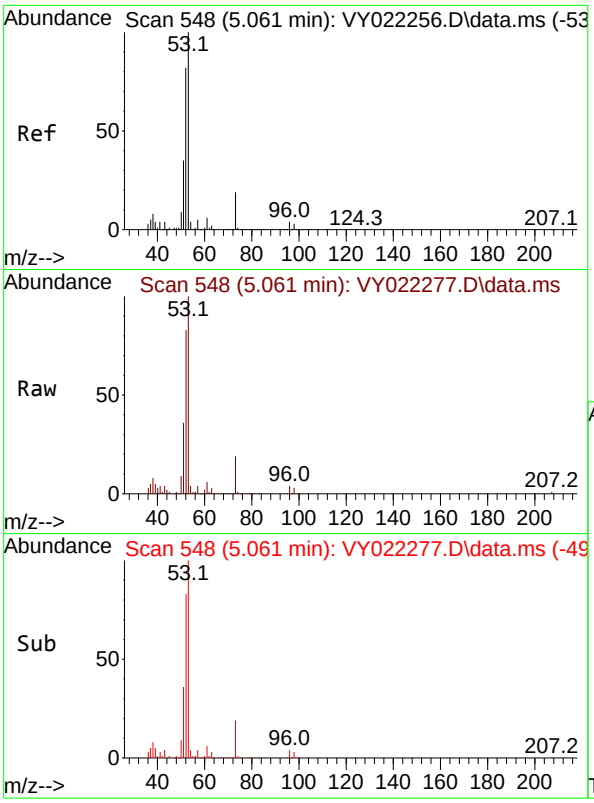


#14
Allyl chloride
Concen: 51.302 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 204941

Ion	Ratio	Lower	Upper
41	100		
39	82.4	63.4	95.0
76	39.0	29.5	44.3



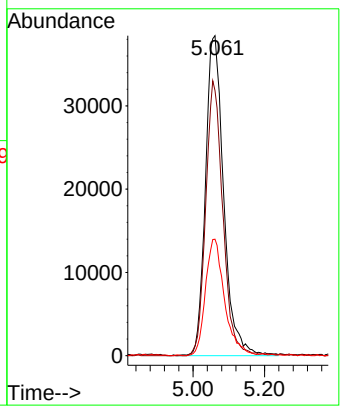


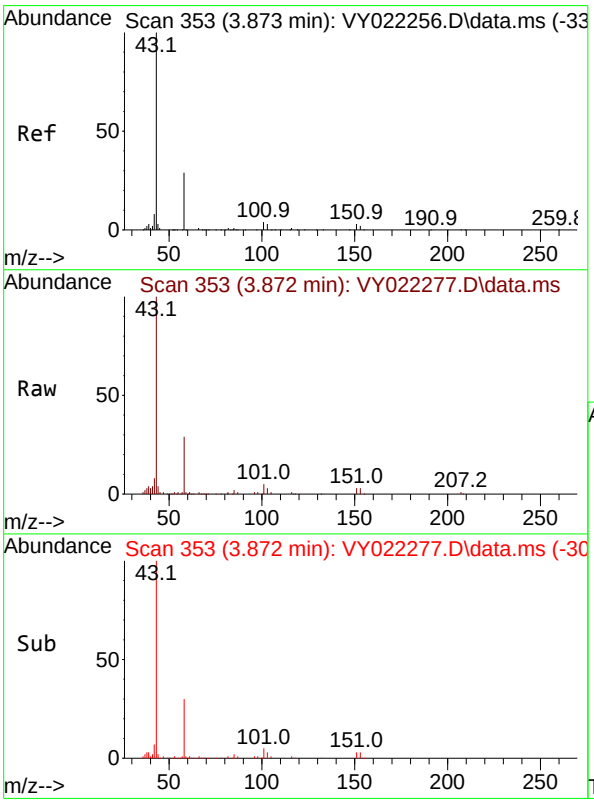
#15
Acrylonitrile
Concen: 259.711 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 135814

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.1	99.1
51	38.2	30.0	45.0

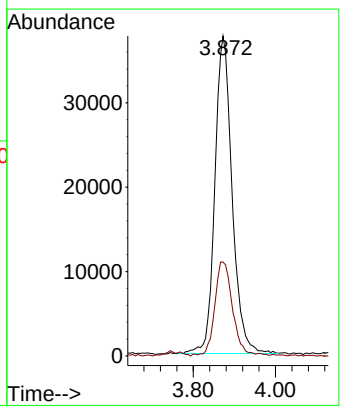


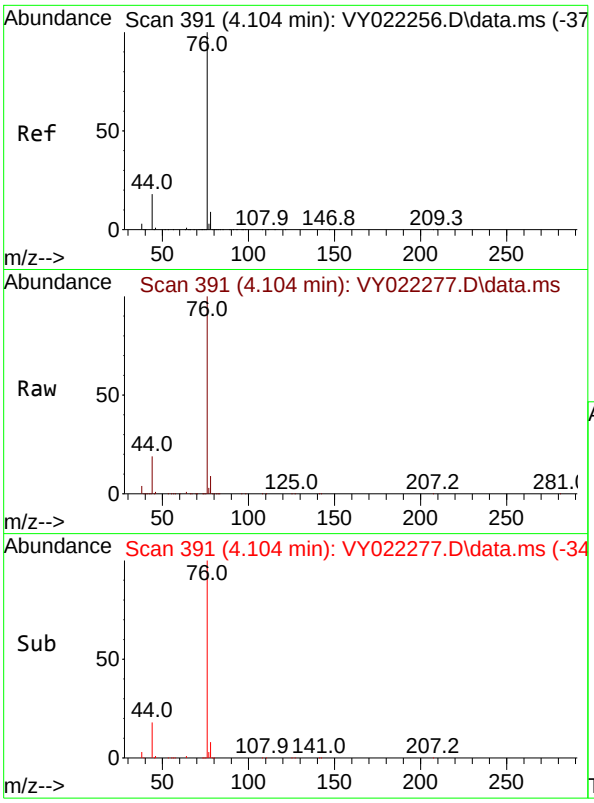


#16
Acetone
Concen: 250.886 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 109507

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4



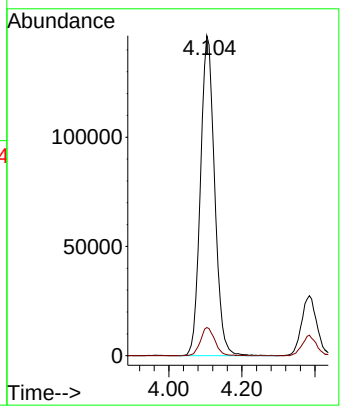


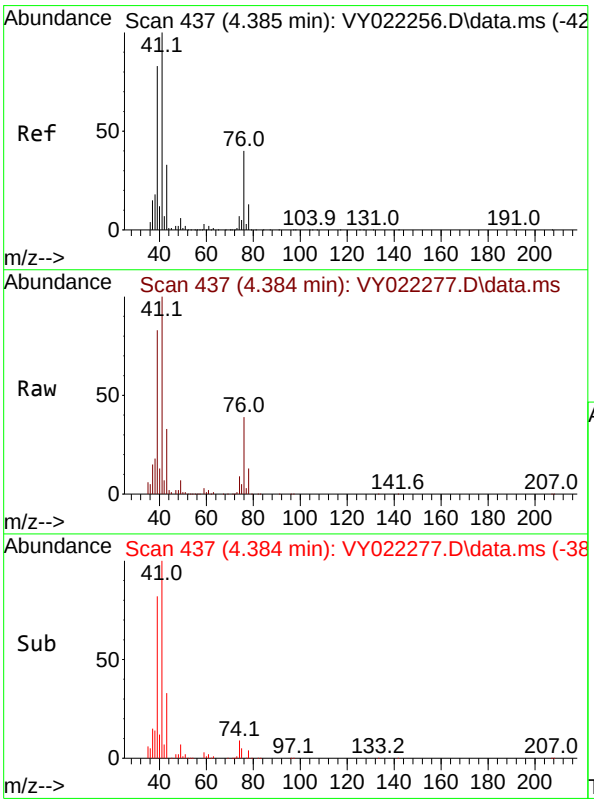
#17
Carbon Disulfide
Concen: 53.042 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 394070

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

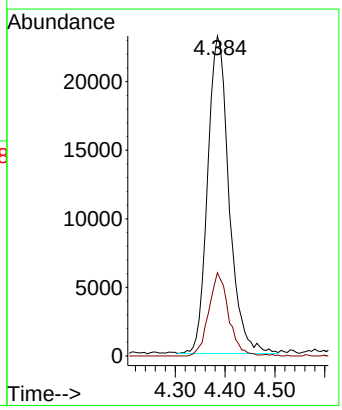


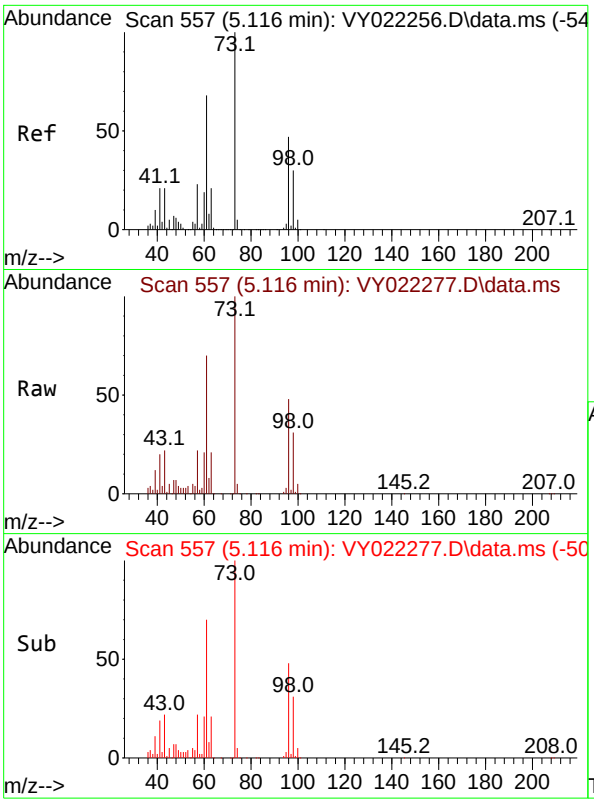


#18
Methyl Acetate
Concen: 50.215 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 69106

Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.2	27.4



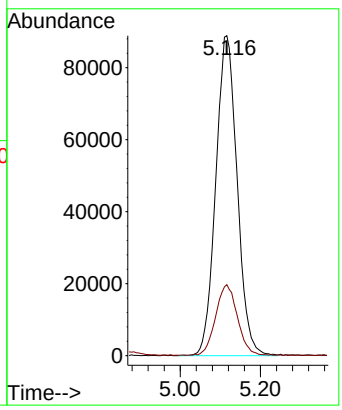


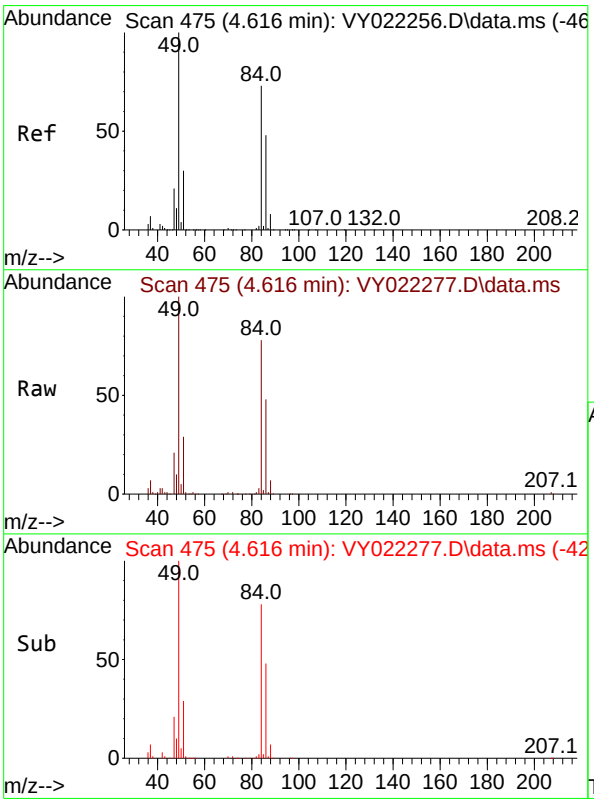
#19
Methyl tert-butyl Ether
Concen: 52.321 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 328680

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.6	28.0

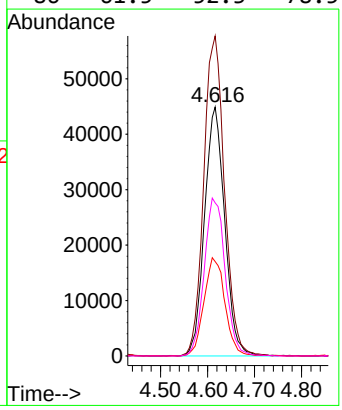


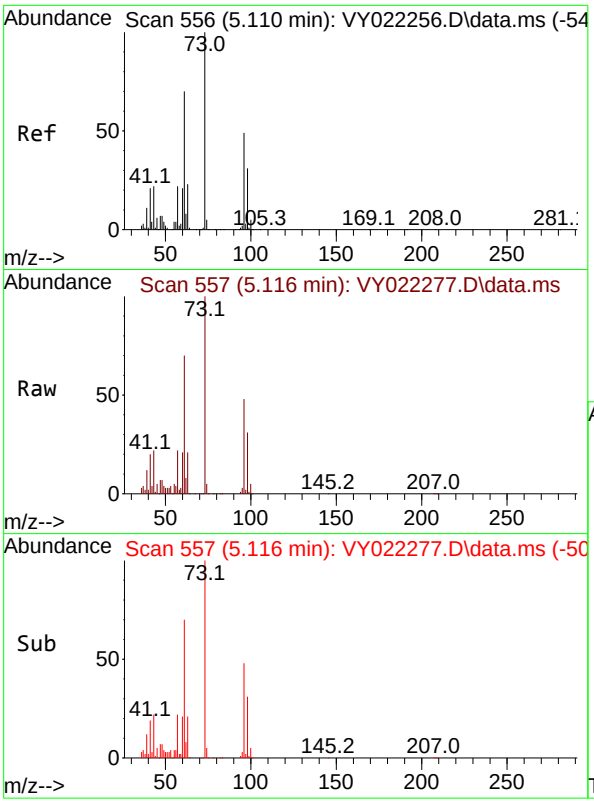


#20
Methylene Chloride
Concen: 47.645 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 84 Resp: 134377

Ion	Ratio	Lower	Upper
84	100		
49	128.6	109.6	164.4
51	37.9	32.4	48.6
86	61.5	52.3	78.5



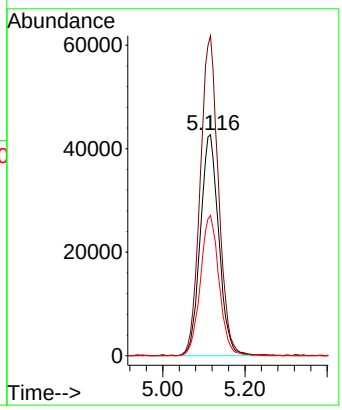


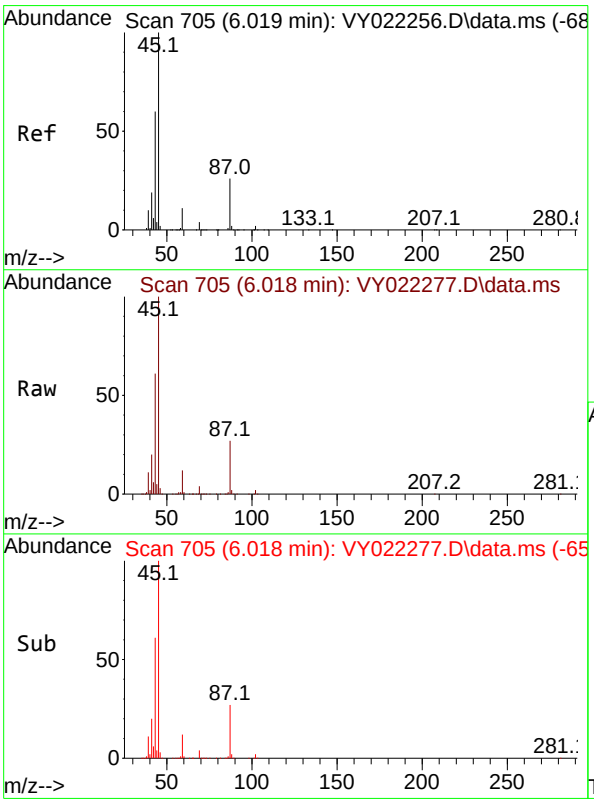
#21
trans-1,2-Dichloroethene
Concen: 52.998 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 133277

Ion	Ratio	Lower	Upper
96	100		
61	144.7	113.4	170.0
98	63.5	50.9	76.3

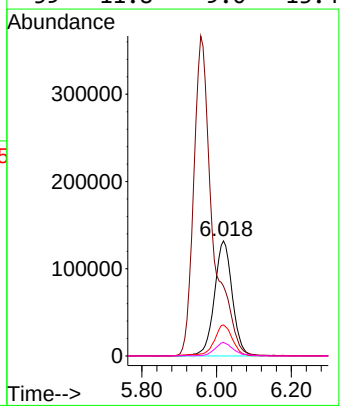


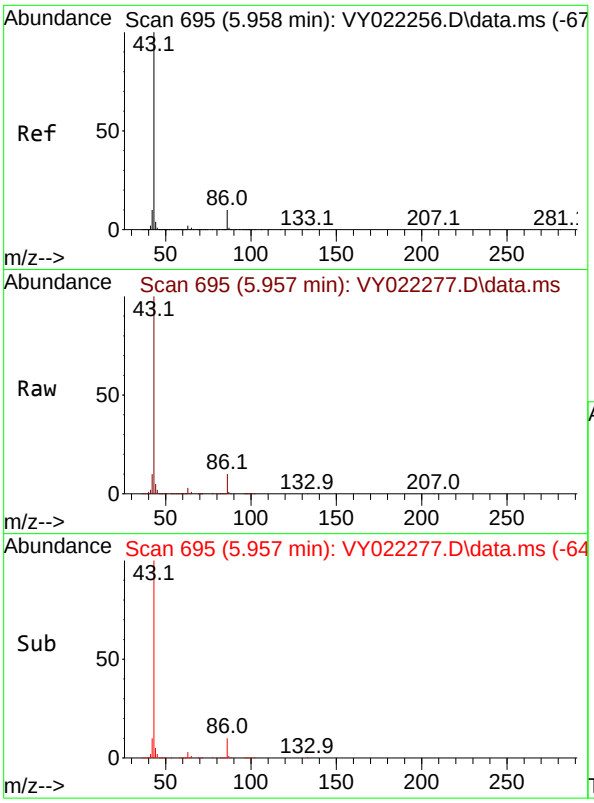


#22
Diisopropyl ether
Concen: 51.810 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 45 Resp: 437077

Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.2
87	27.0	21.4	32.0
59	11.8	9.0	13.4



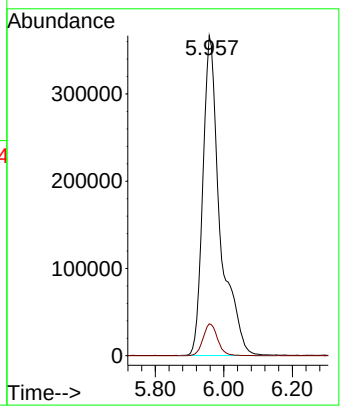


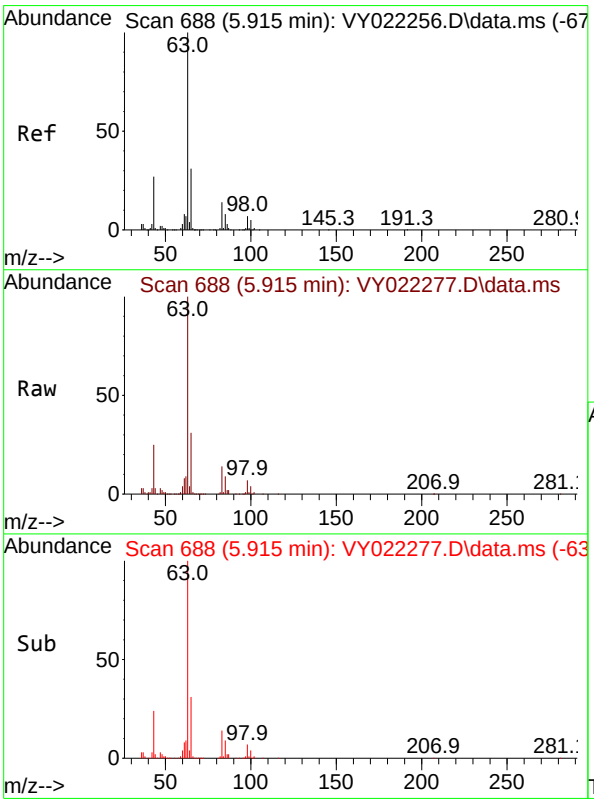
#23
Vinyl Acetate
Concen: 251.128 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1279898

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

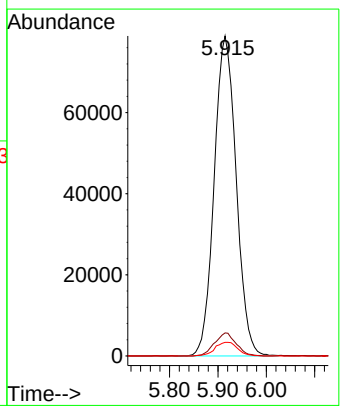


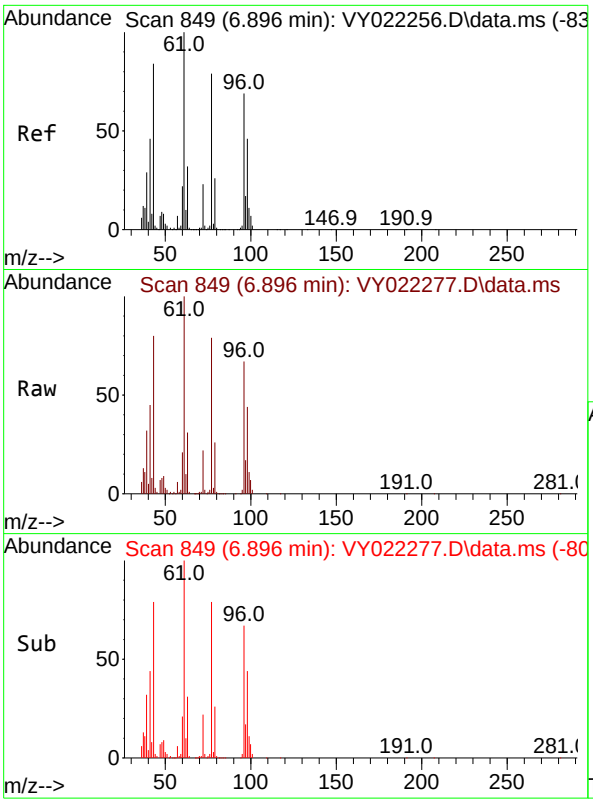


#24
1,1-Dichloroethane
Concen: 52.970 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 63 Resp: 249652

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.3	2.4	7.2



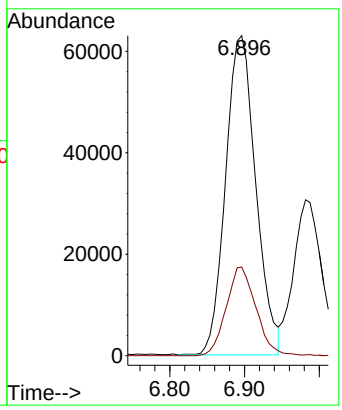


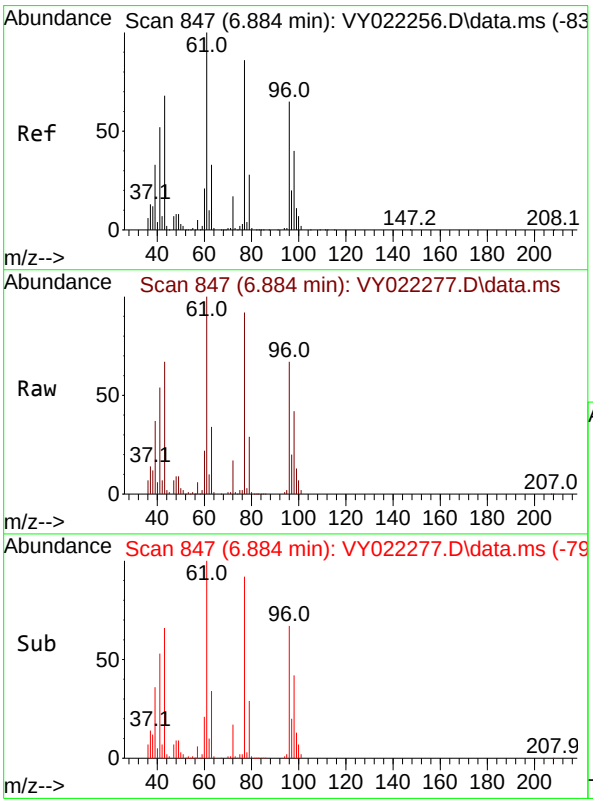
#25
2-Butanone
Concen: 242.624 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 177141

Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.1	33.1

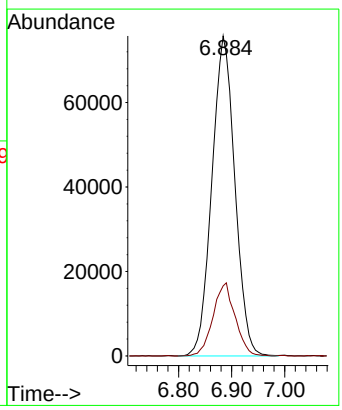


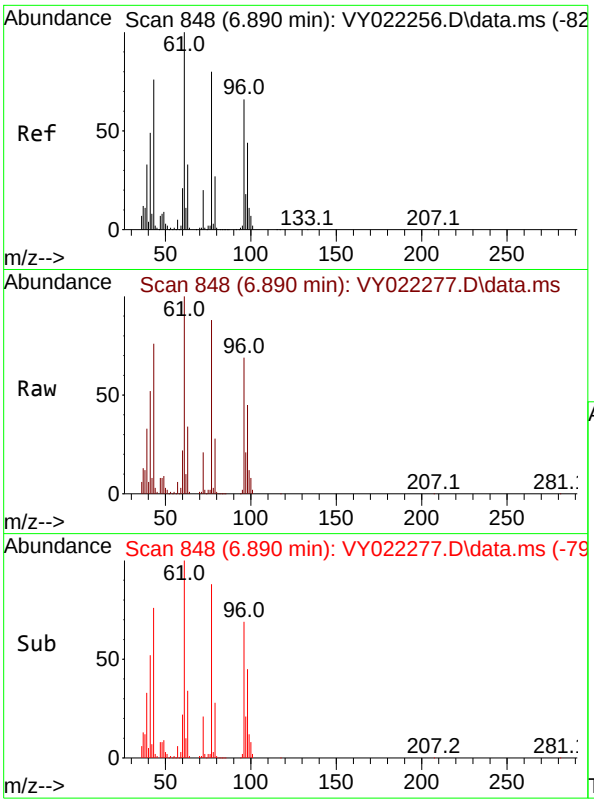


#26
2,2-Dichloropropane
Concen: 54.384 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 77 Resp: 227980

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.2	33.5



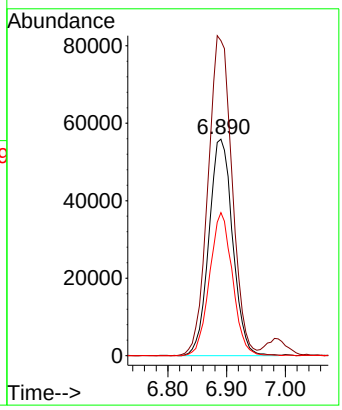


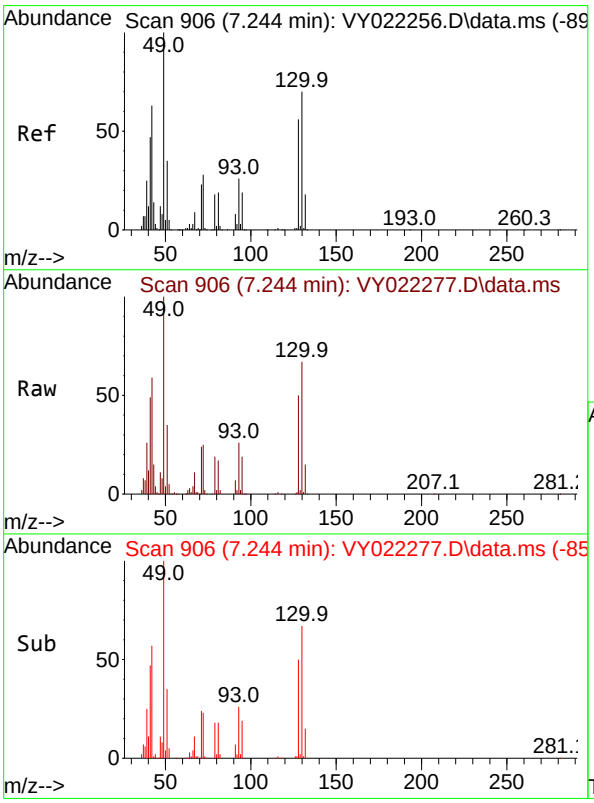
#27
cis-1,2-Dichloroethene
Concen: 54.093 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 156977

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	302.6
98	63.9	0.0	128.8

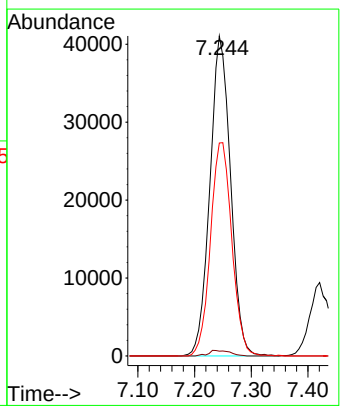


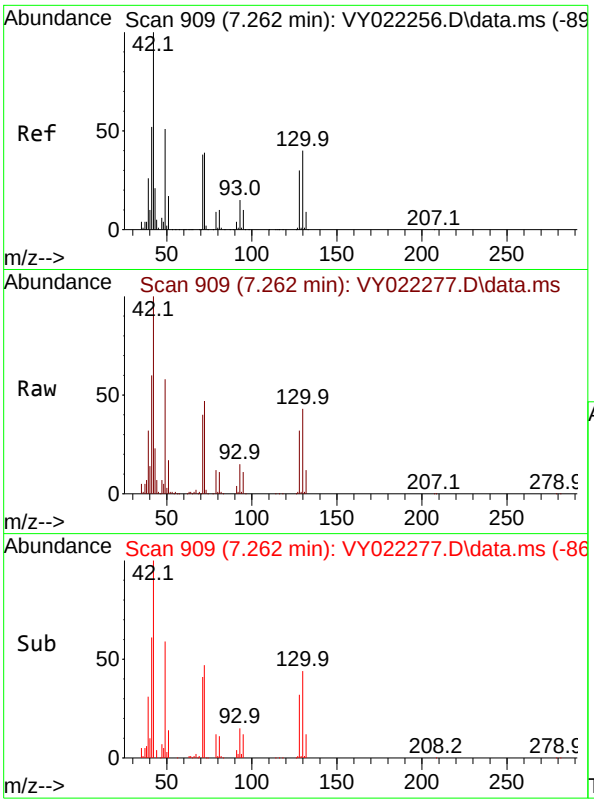


#28
Bromochloromethane
Concen: 51.625 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 49 Resp: 103785

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.0	54.7	82.1



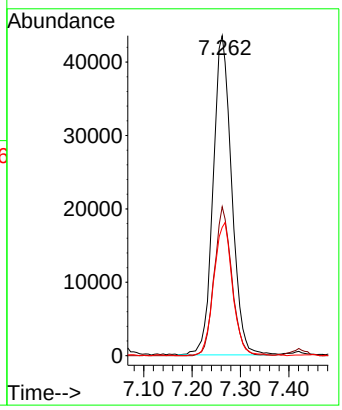


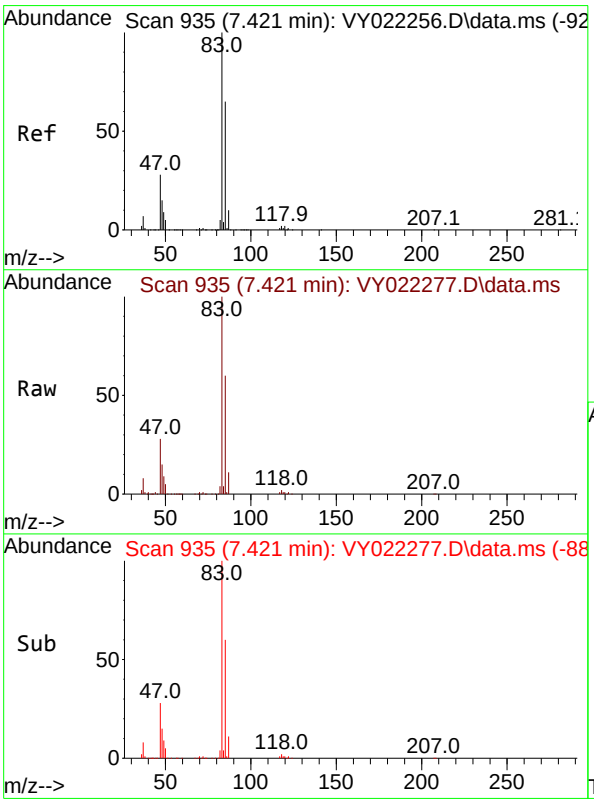
#29
Tetrahydrofuran
Concen: 246.422 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 115748

Ion	Ratio	Lower	Upper
42	100		
72	44.3	33.8	50.6
71	42.3	31.5	47.3

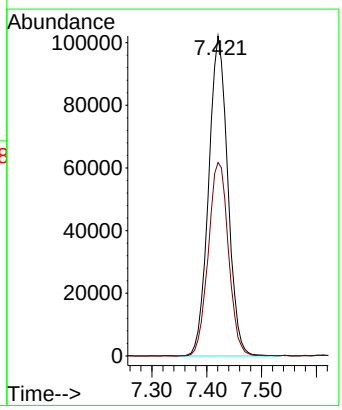


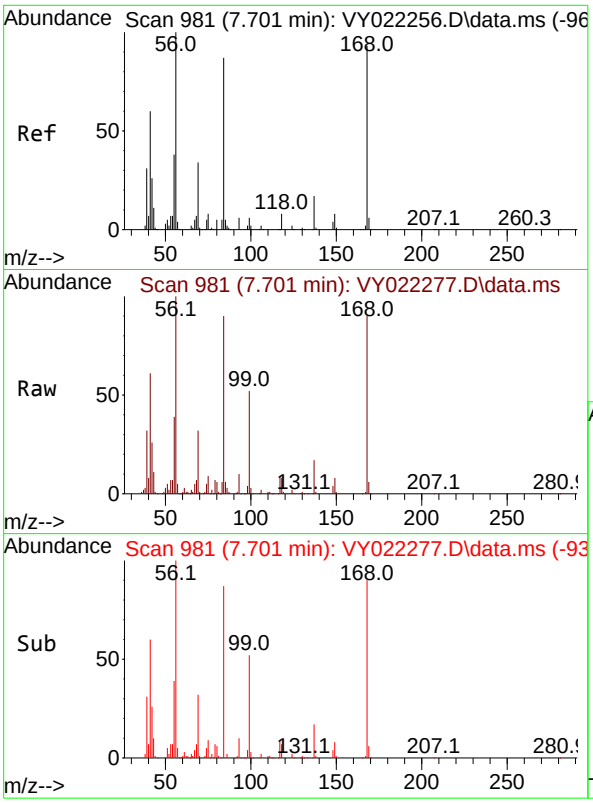


#30
Chloroform
Concen: 54.713 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 83 Resp: 247345

Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.8	77.8



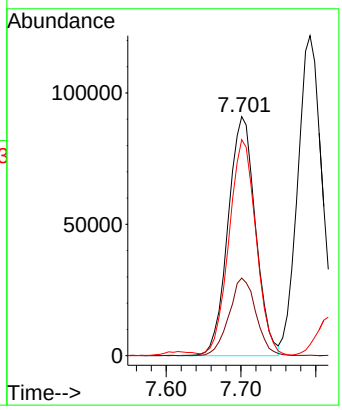


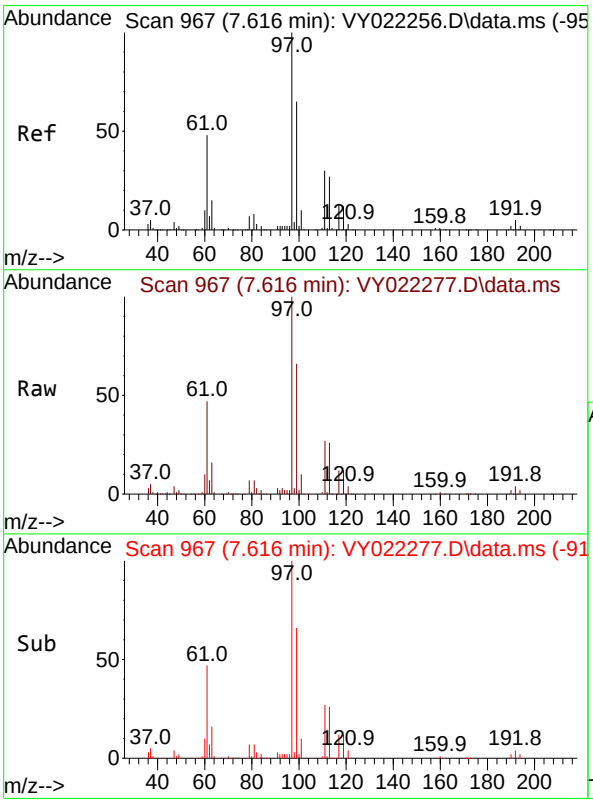
#31
Cyclohexane
Concen: 49.457 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 232896

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.4	41.2
84	88.6	70.0	105.0

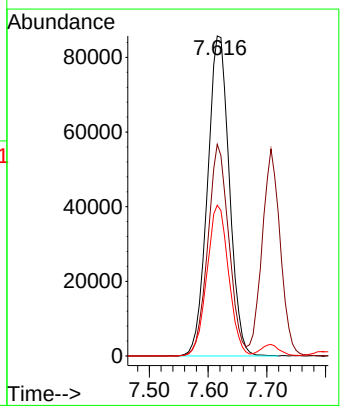


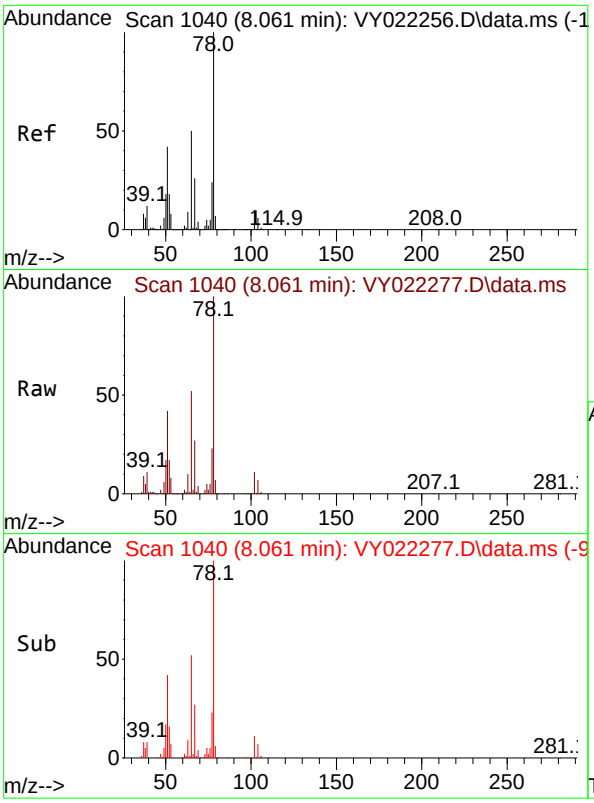


#32
1,1,1-Trichloroethane
Concen: 53.304 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 97 Resp: 221082

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	47.0	38.1	57.1



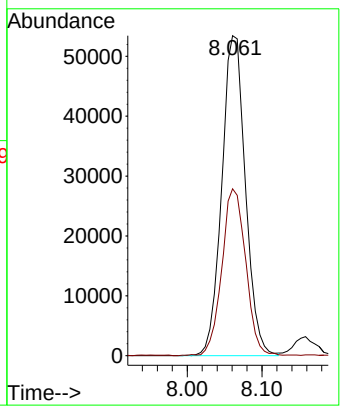


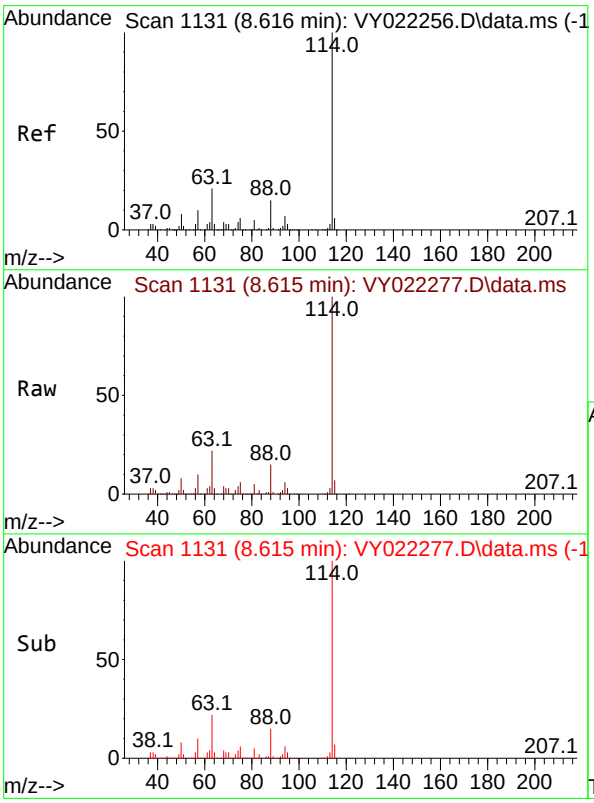
#33
1,2-Dichloroethane-d4
Concen: 50.505 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 117567

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6

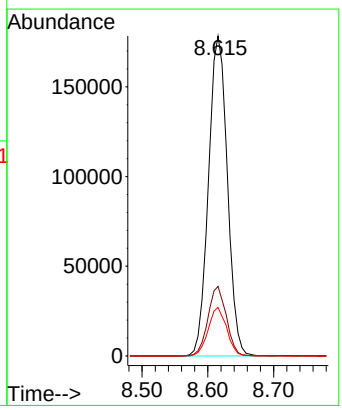


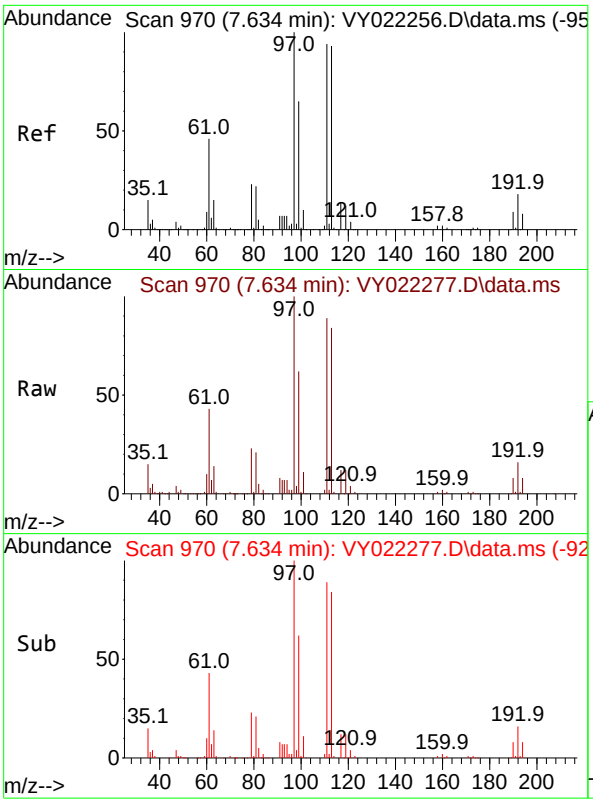


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:114 Resp: 356583

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.0
88	15.1	0.0	29.4



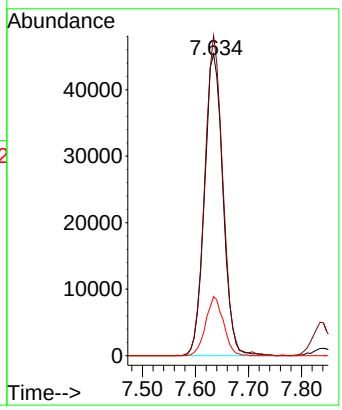


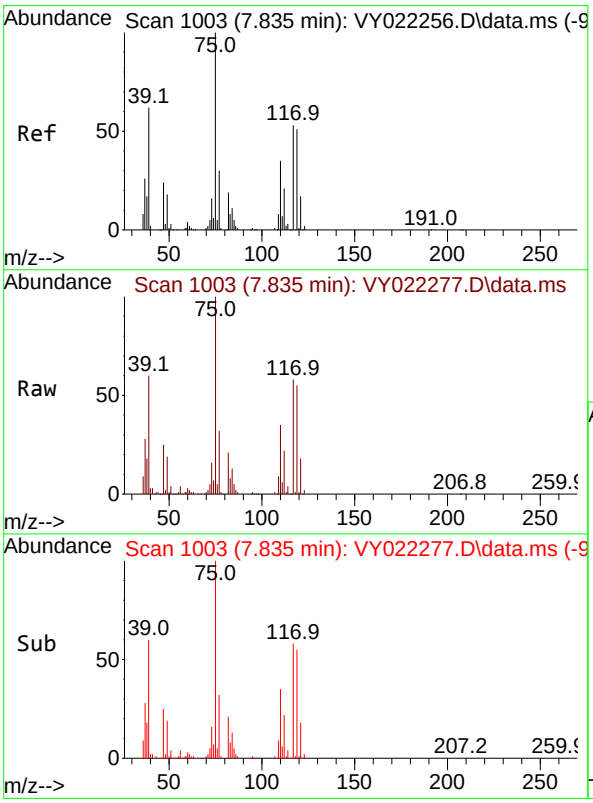
#35
Dibromofluoromethane
Concen: 51.525 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 109661

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	18.9	15.2	22.8

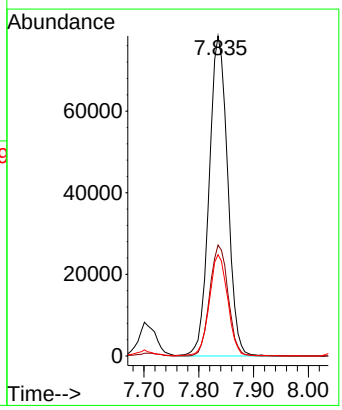


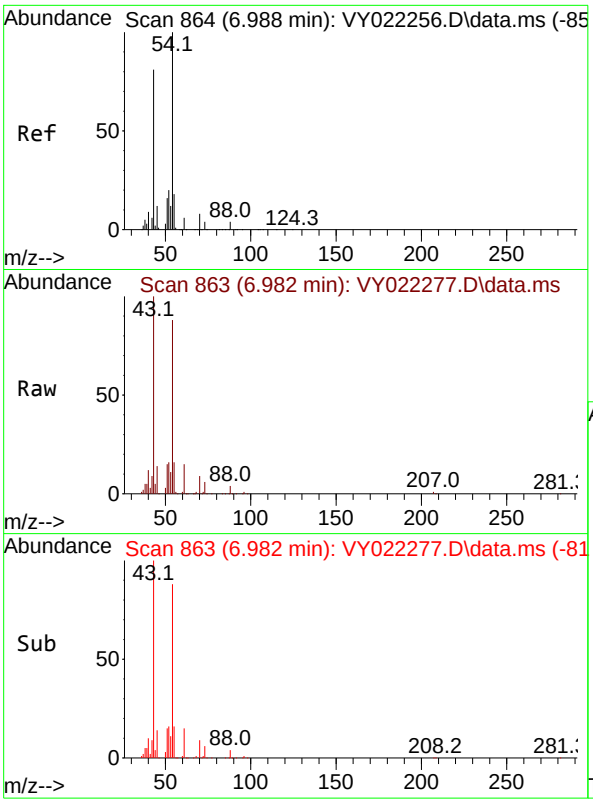


#36
1,1-Dichloropropene
Concen: 52.341 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 183482

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.6	49.8
77	31.6	24.6	37.0



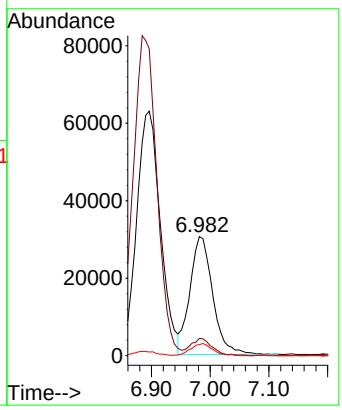


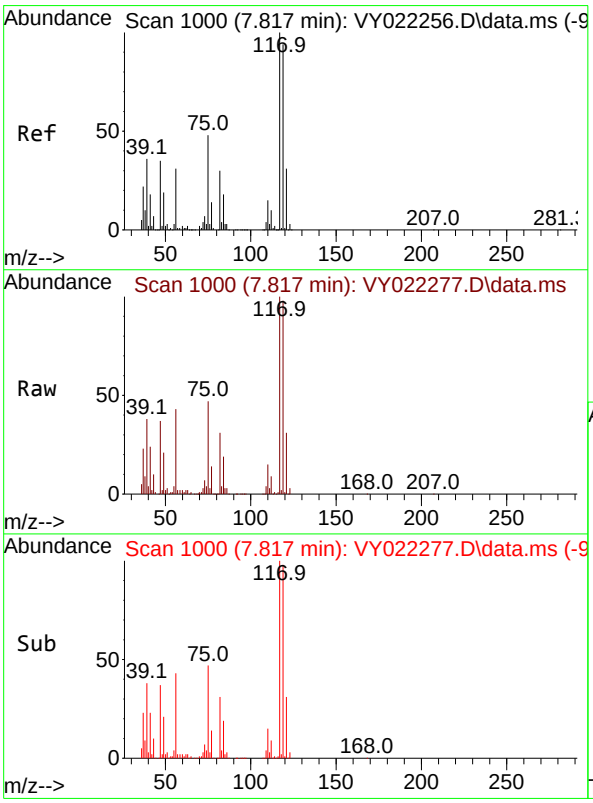
#37
Ethyl Acetate
Concen: 48.715 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 82168

Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.2
70	9.9	7.6	11.4

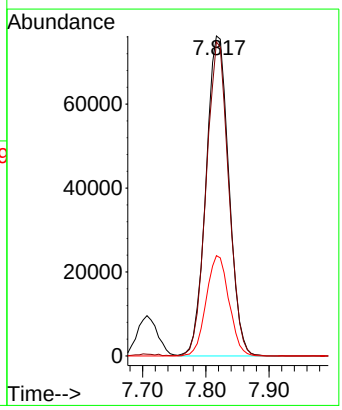


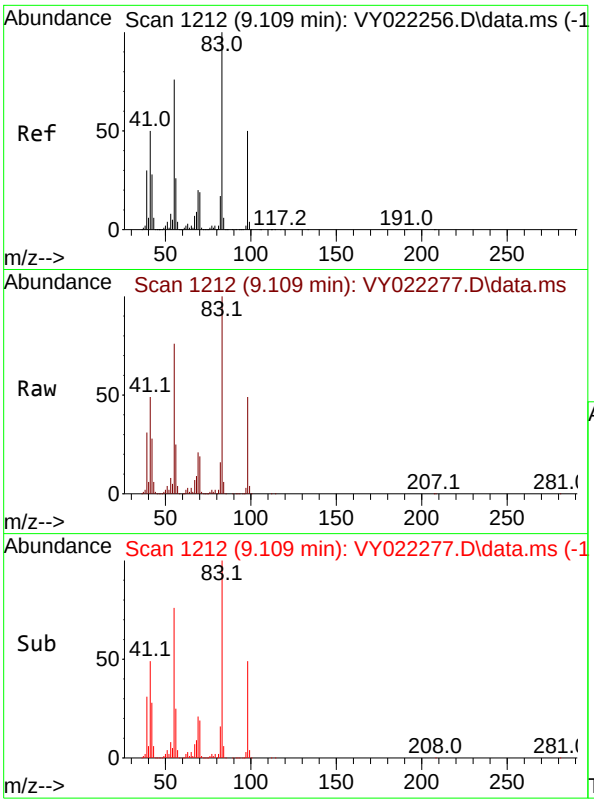


#38
Carbon Tetrachloride
Concen: 52.737 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 191365

Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.3	112.9
121	31.4	24.7	37.1



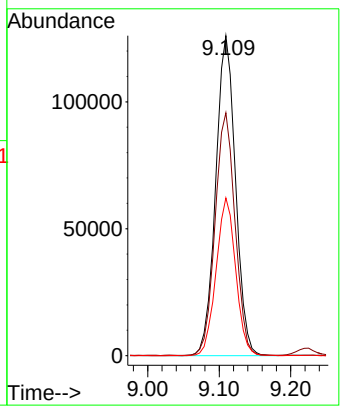


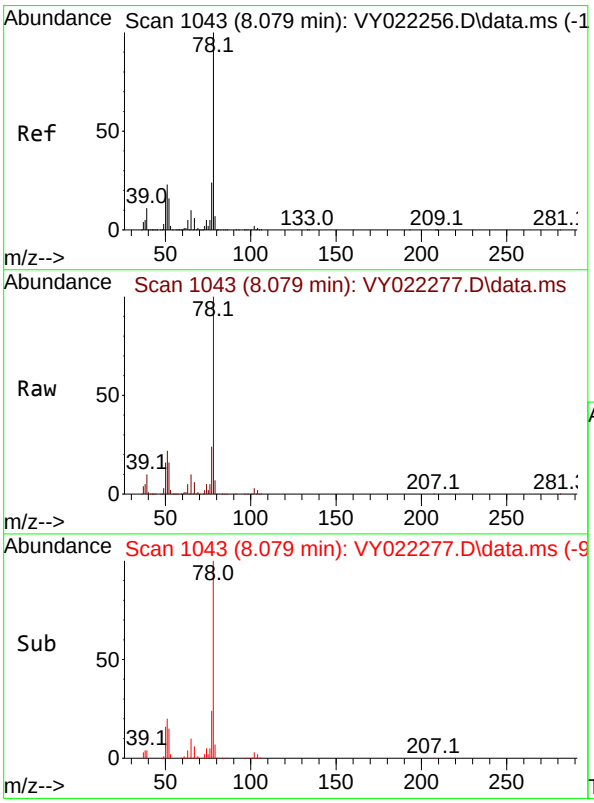
#39
Methylcyclohexane
Concen: 51.496 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 242532

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.6	90.8
98	49.3	40.0	60.0

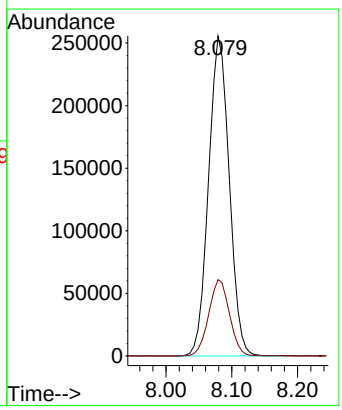


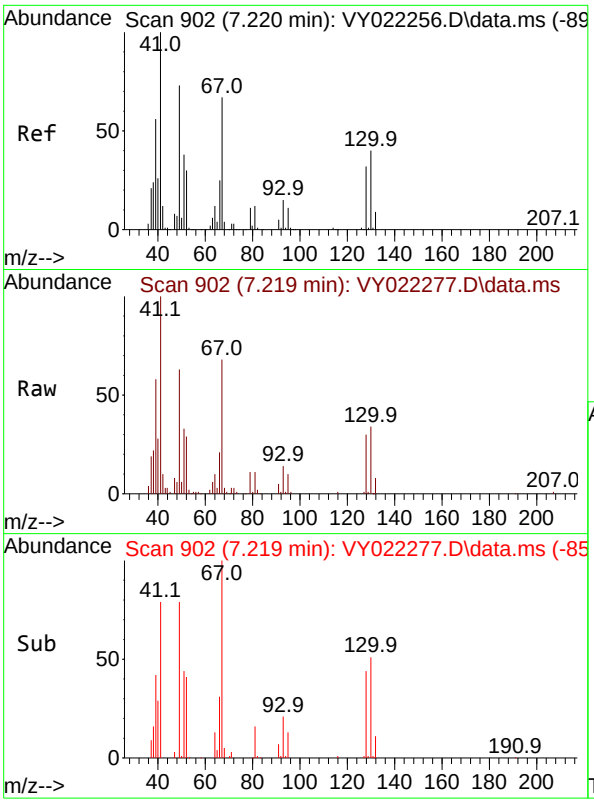


#40
Benzene
Concen: 53.771 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 78 Resp: 558801

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



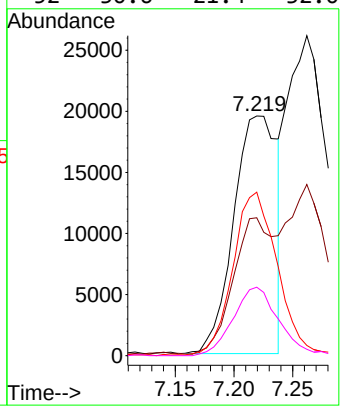


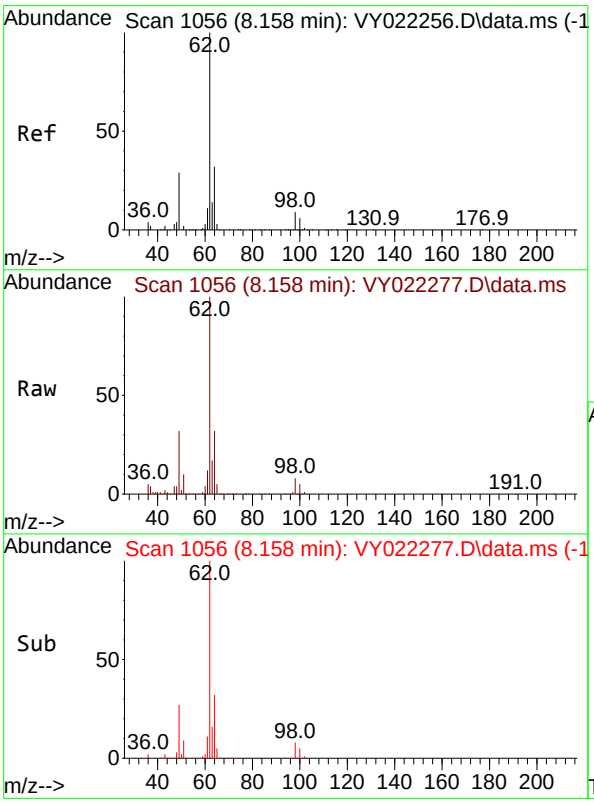
#41
Methacrylonitrile
Concen: 44.718 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 50033

Ion	Ratio	Lower	Upper
41	100		
39	48.9	39.1	58.7
67	71.1	47.1	70.7#
52	30.6	21.4	32.0

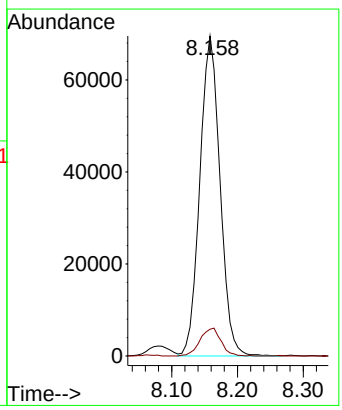


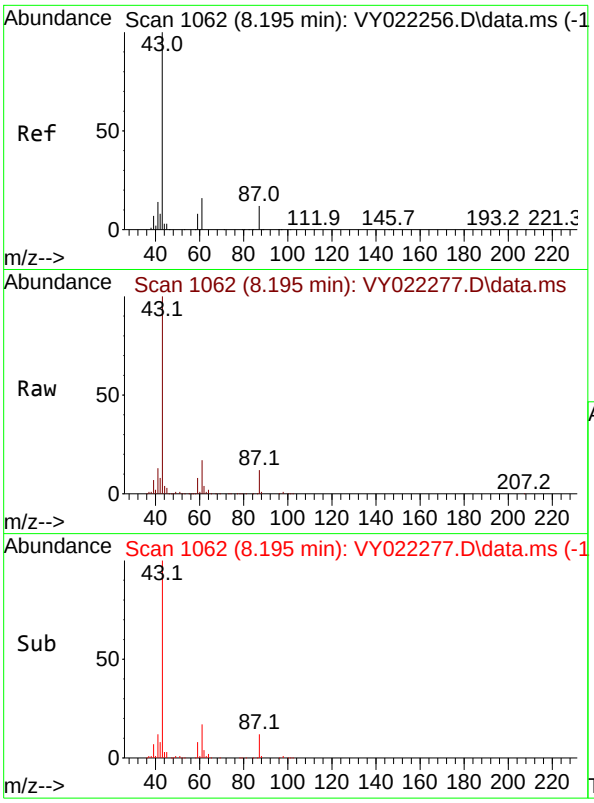


#42
1,2-Dichloroethane
Concen: 52.870 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 62 Resp: 148582

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



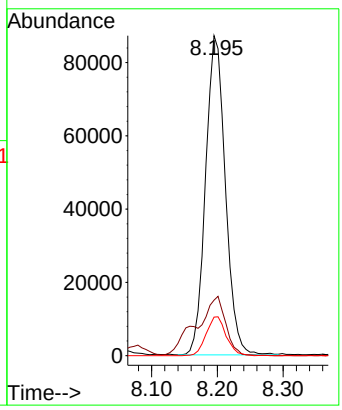


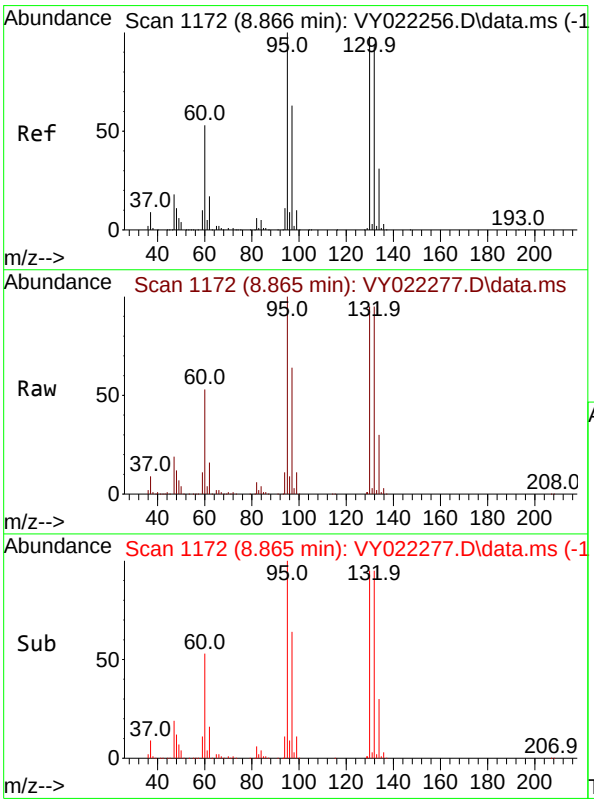
#43
Isopropyl Acetate
Concen: 49.654 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 182651

Ion	Ratio	Lower	Upper
43	100		
61	27.4	15.1	22.7#
87	12.3	9.7	14.5

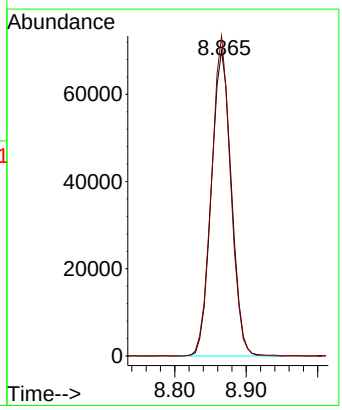


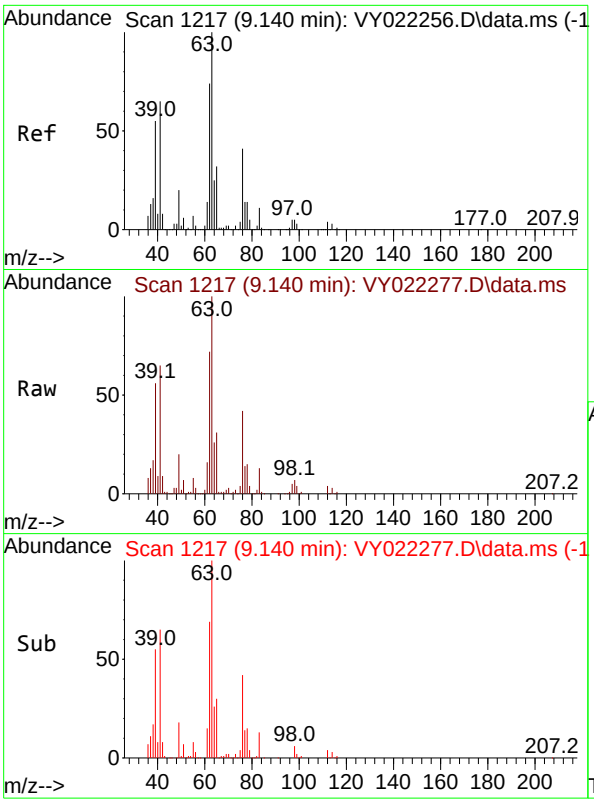


#44
Trichloroethene
Concen: 52.539 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:130 Resp: 135760

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	204.8



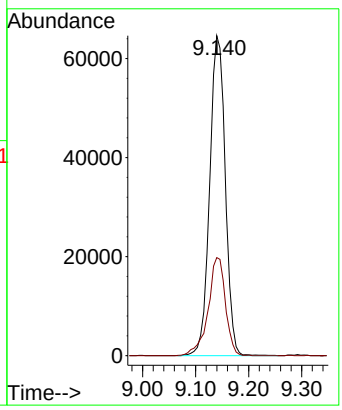


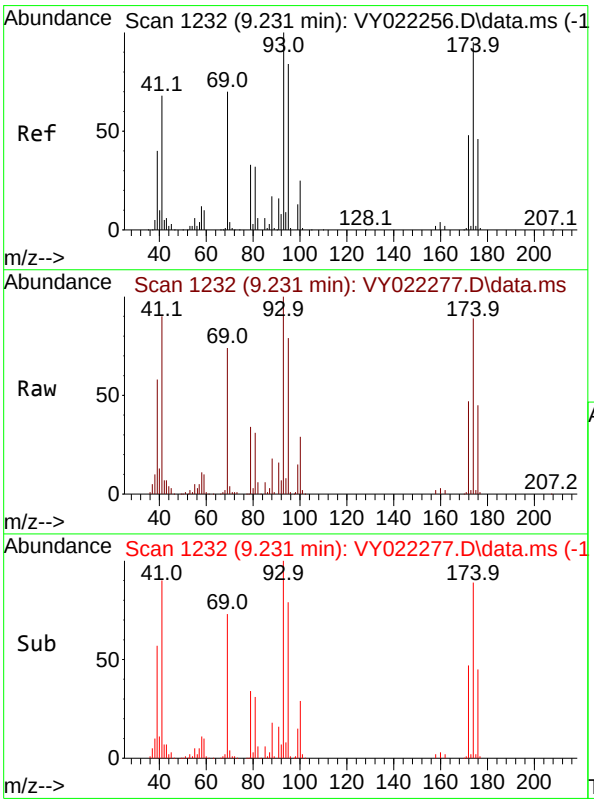
#45
1,2-Dichloropropane
Concen: 52.735 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 132126

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.7	38.5

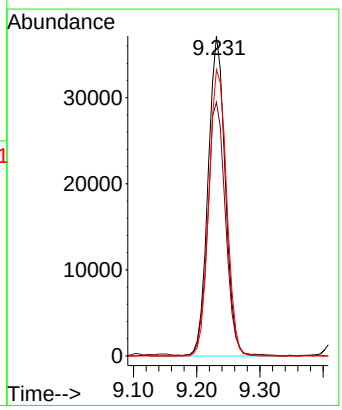


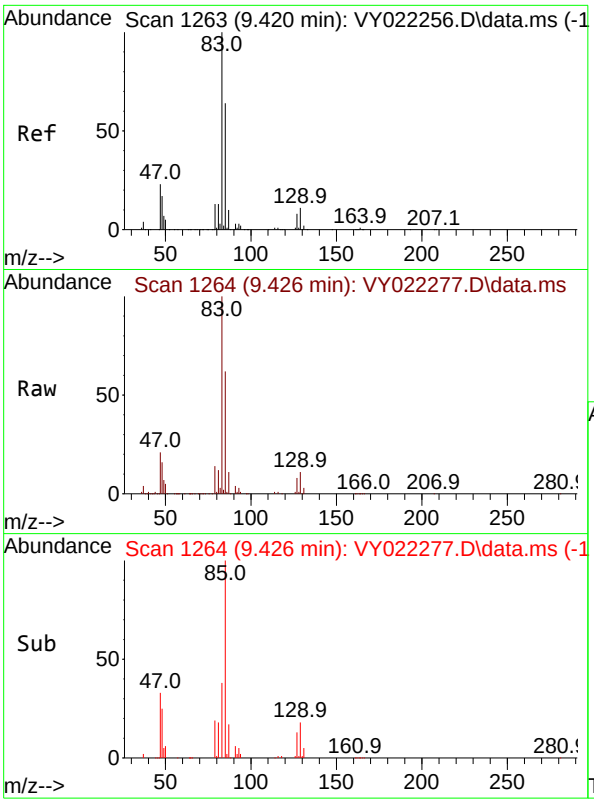


#46
Dibromomethane
Concen: 51.869 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 93 Resp: 70093

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.2	97.8
174	92.2	74.3	111.5



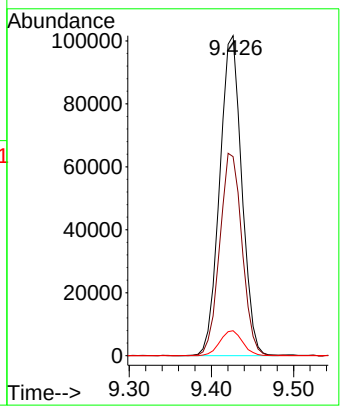


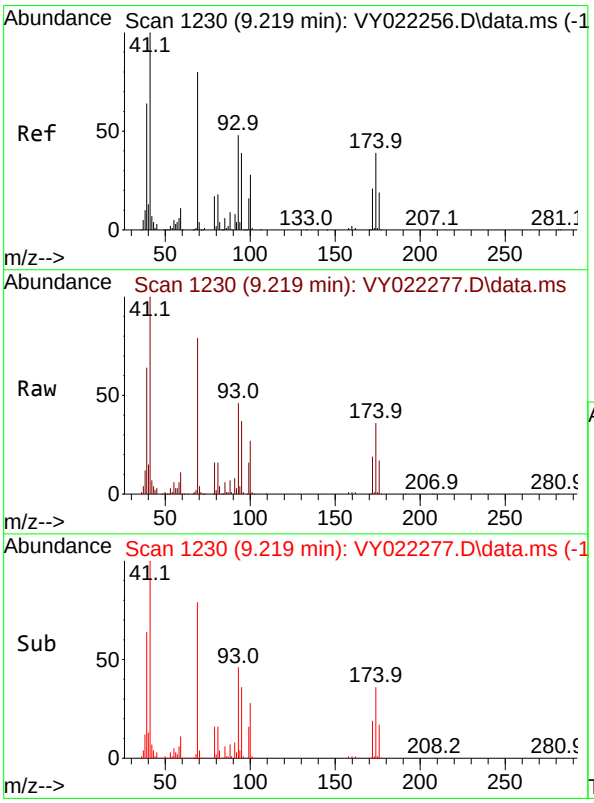
#47
Bromodichloromethane
Concen: 54.169 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 189903

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.1	76.7
127	7.8	6.6	10.0

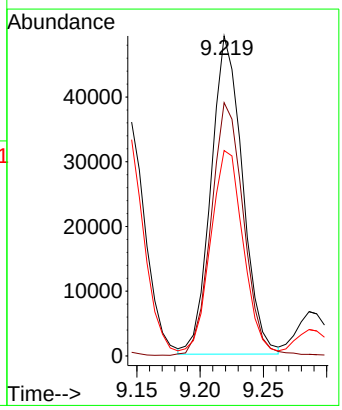


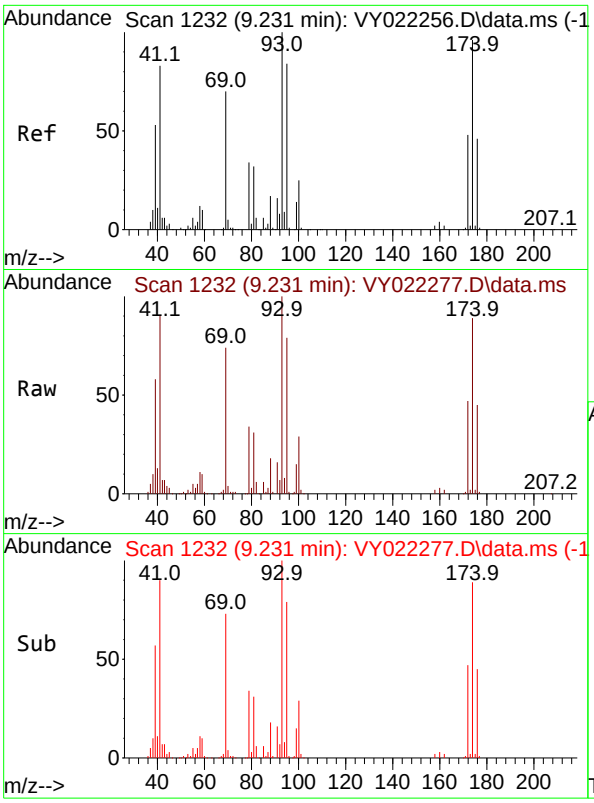


#48
Methyl methacrylate
Concen: 49.534 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 41 Resp: 85212

Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.5	95.3
39	64.2	50.8	76.2



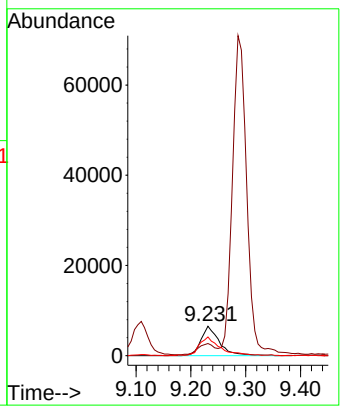


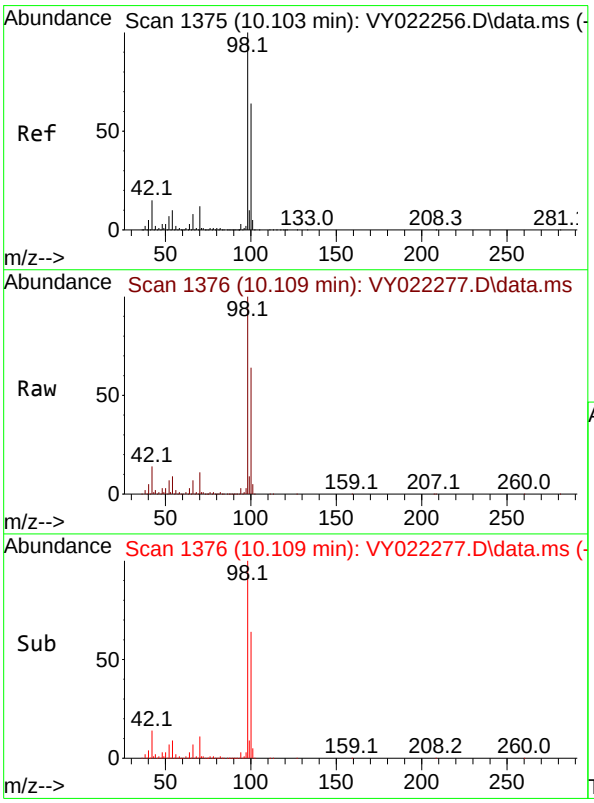
#49
1,4-Dioxane
Concen: 1001.752 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 15293

Ion	Ratio	Lower	Upper
88	100		
43	35.1	28.5	42.7
58	71.0	61.4	92.2

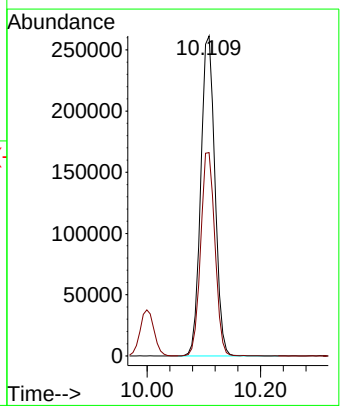


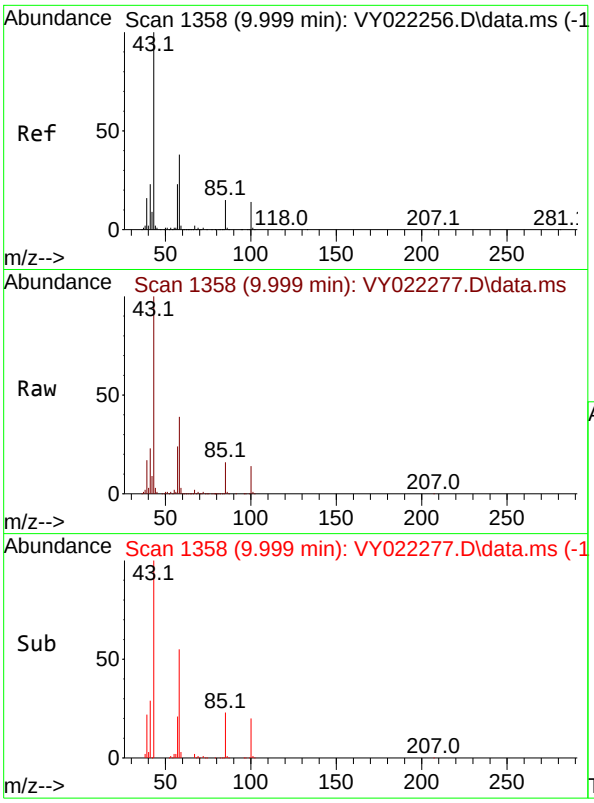


#50
Toluene-d8
Concen: 51.731 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 98 Resp: 450916

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8



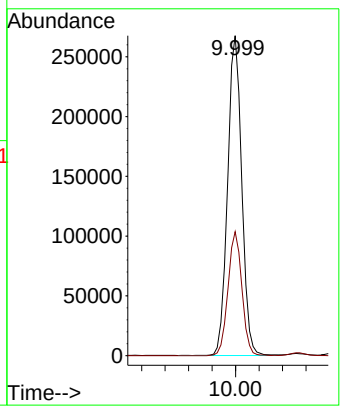


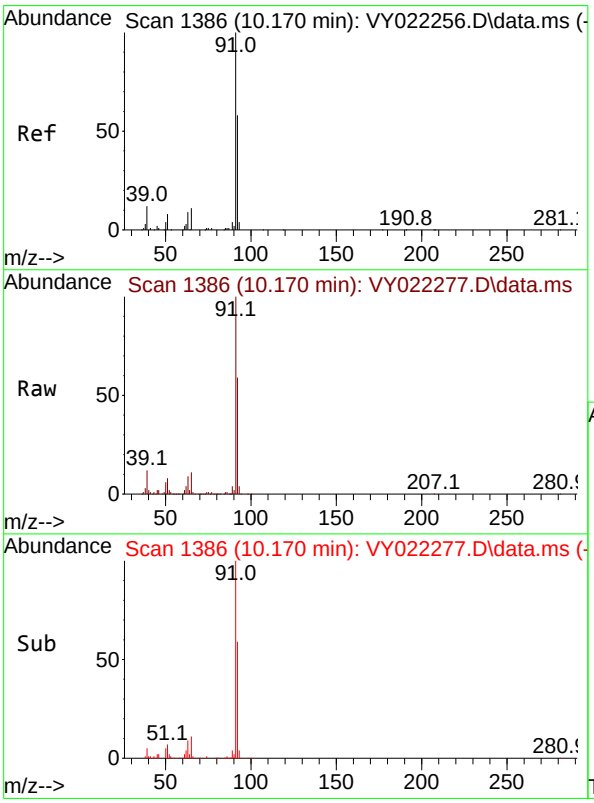
#51
4-Methyl-2-Pentanone
Concen: 247.383 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 446509

Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.4	44.2

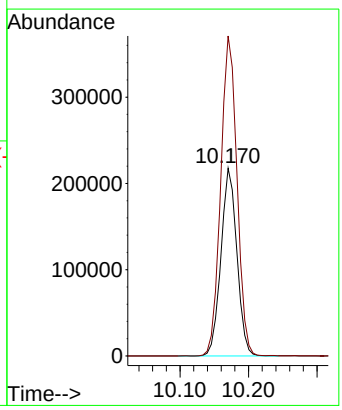


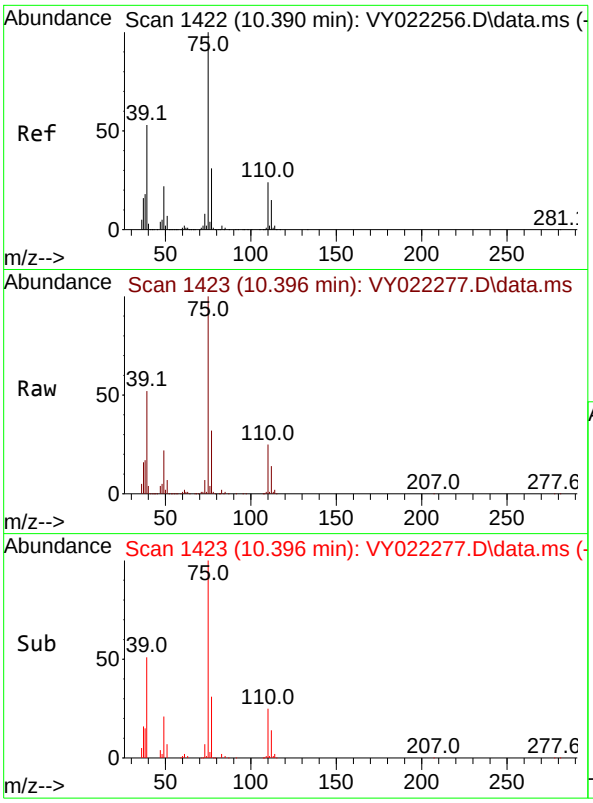


#52
Toluene
Concen: 53.192 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 92 Resp: 350043

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.1	208.7



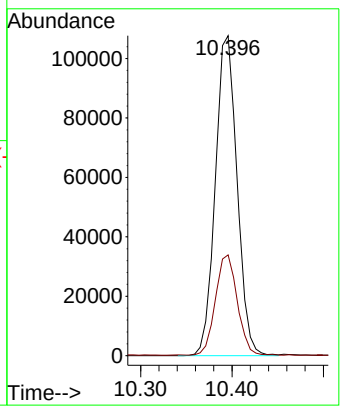


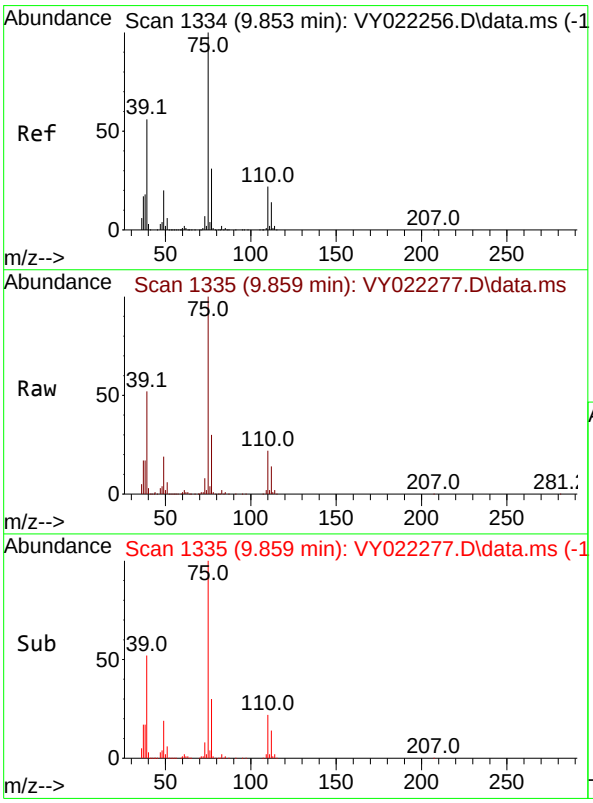
#53
t-1,3-Dichloropropene
Concen: 52.062 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 178121

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

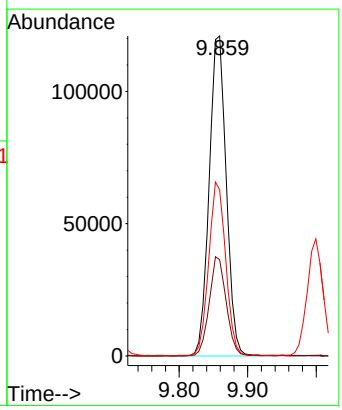


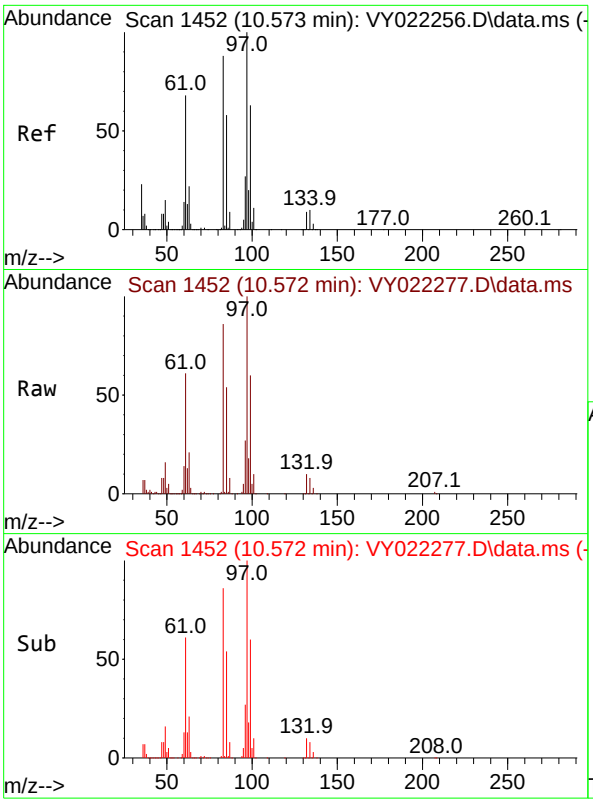


#54
cis-1,3-Dichloropropene
Concen: 53.441 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 209477

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7
39	51.7	44.5	66.7



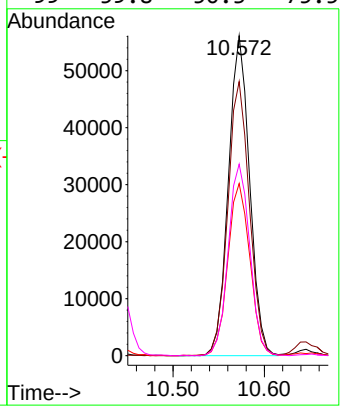


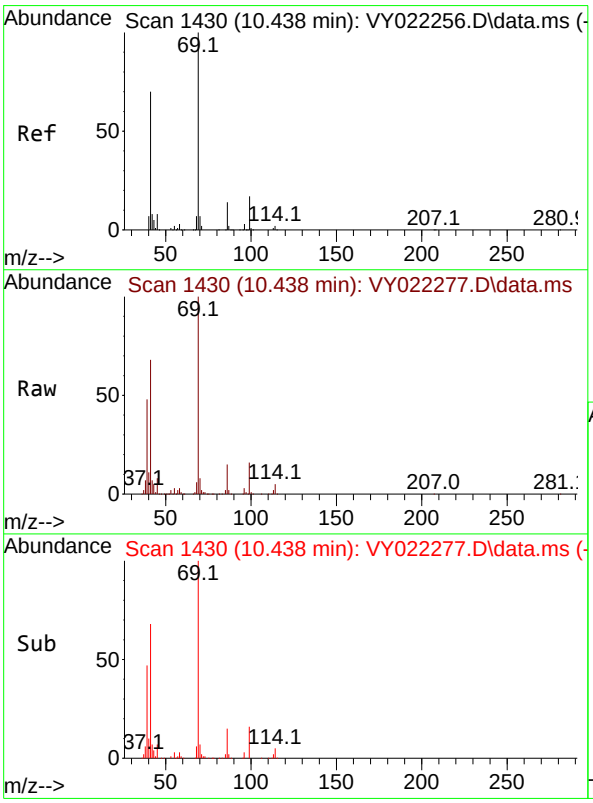
#55
1,1,2-Trichloroethane
Concen: 52.364 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 90613

Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.3	105.5
85	53.8	46.2	69.4
99	59.8	50.3	75.5

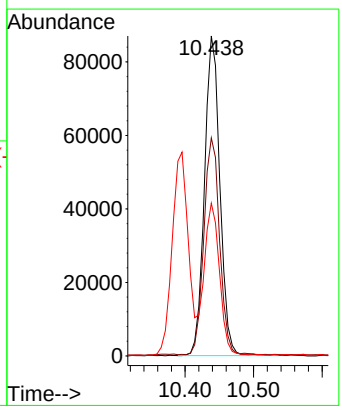


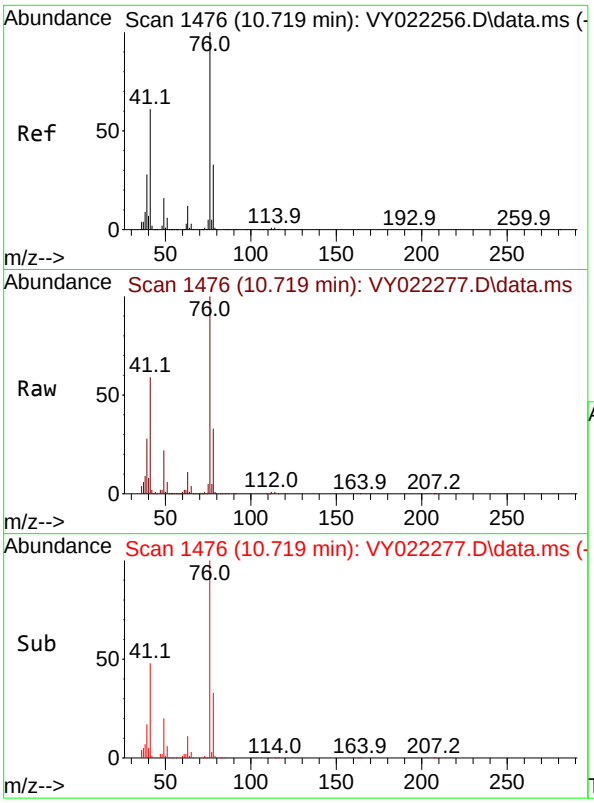


#56
Ethyl methacrylate
Concen: 50.626 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 69 Resp: 136463

Ion	Ratio	Lower	Upper
69	100		
41	68.9	56.5	84.7
39	47.8	37.1	55.7



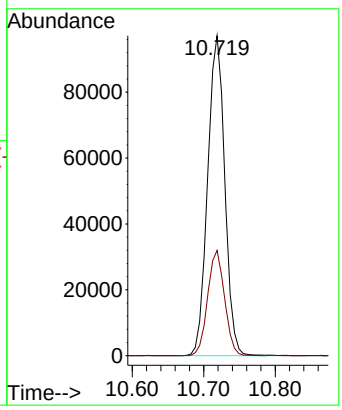


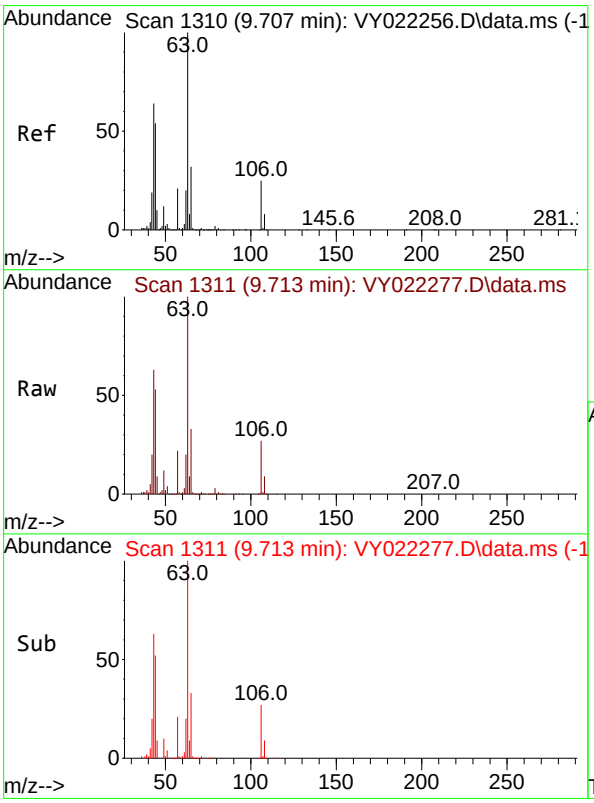
#57
1,3-Dichloropropane
Concen: 52.534 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 161520

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

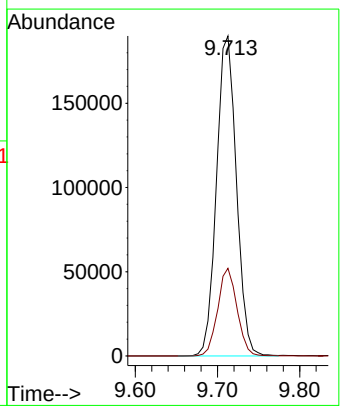


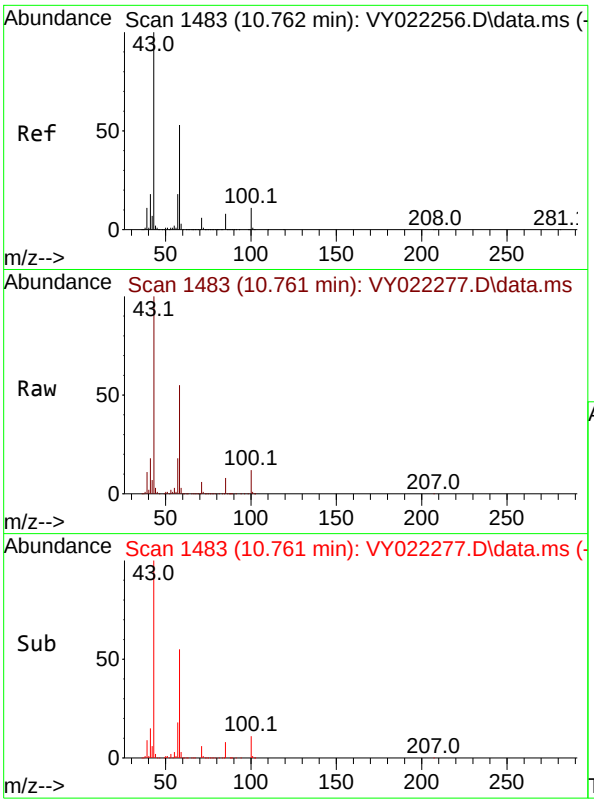


#58
2-Chloroethyl Vinyl ether
Concen: 263.967 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 63 Resp: 319368

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.4



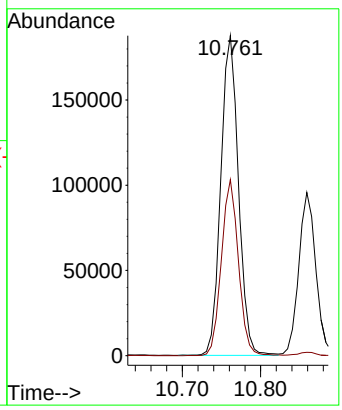


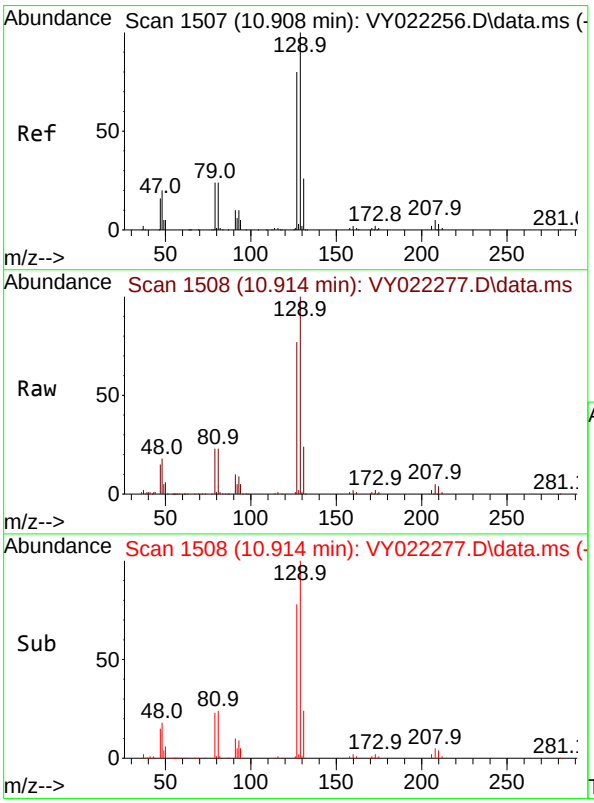
#59
2-Hexanone
Concen: 243.243 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 294366

Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.1	78.3

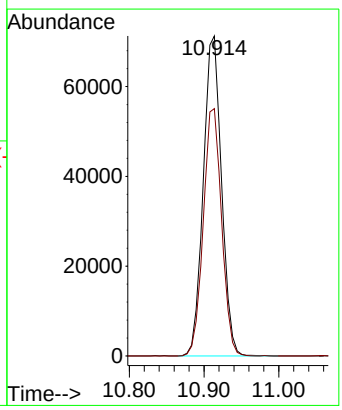


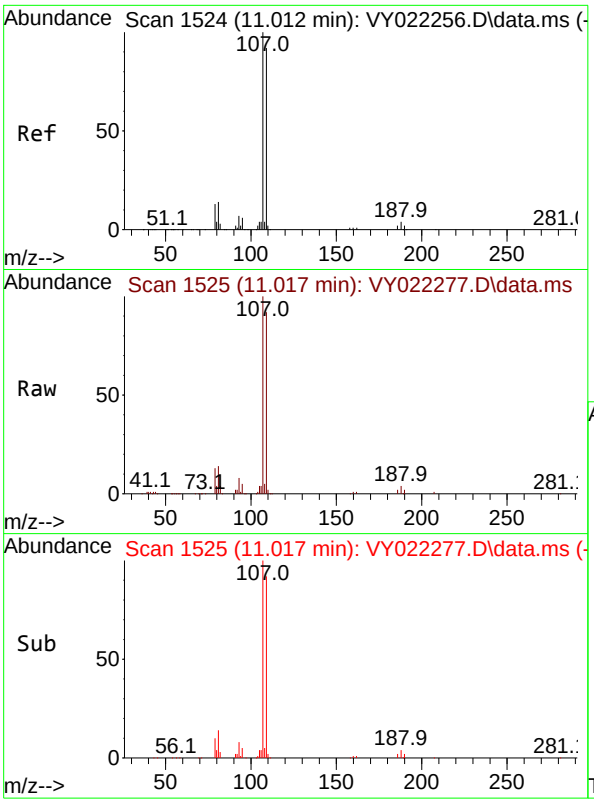


#60
Dibromochloromethane
Concen: 53.672 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:129 Resp: 120550

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7



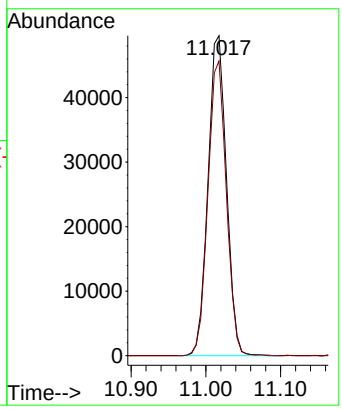


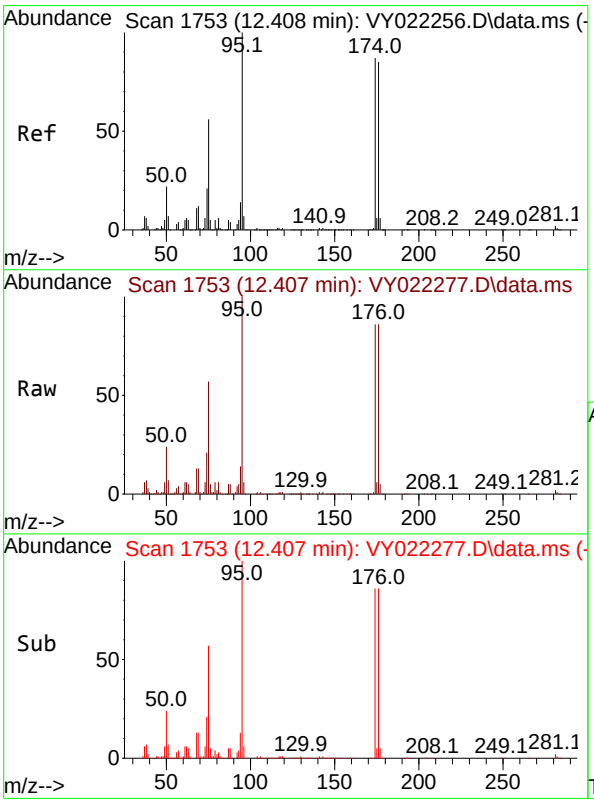
#61
1,2-Dibromoethane
Concen: 52.685 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 84972

Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.6	111.8

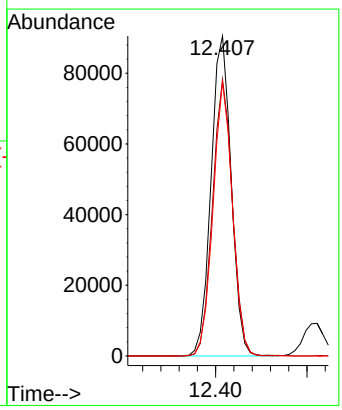


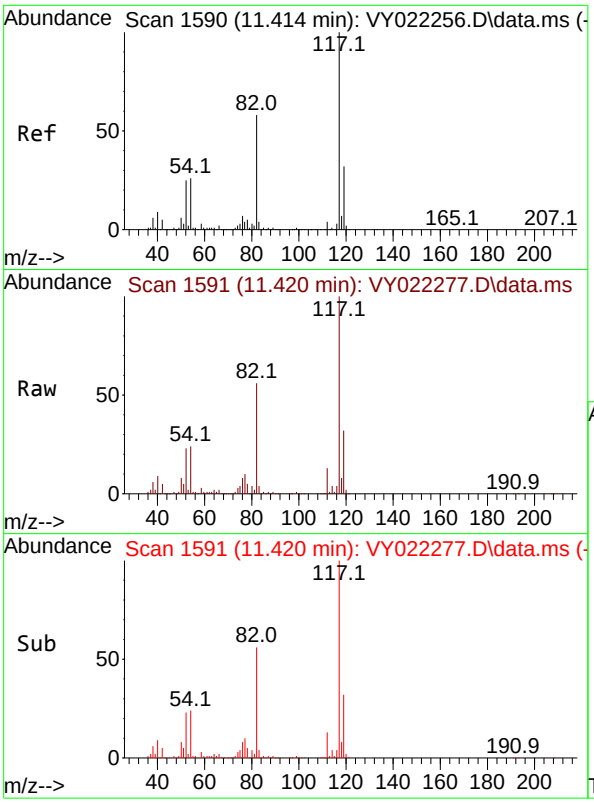


#62
4-Bromofluorobenzene
Concen: 50.120 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 95 Resp: 138475

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	166.8
176	82.6	0.0	160.8



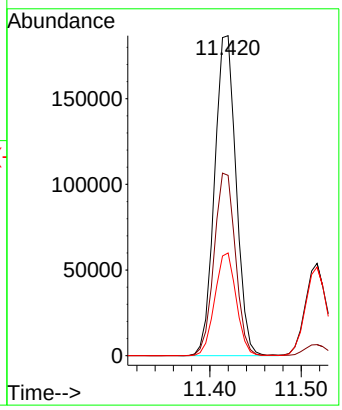


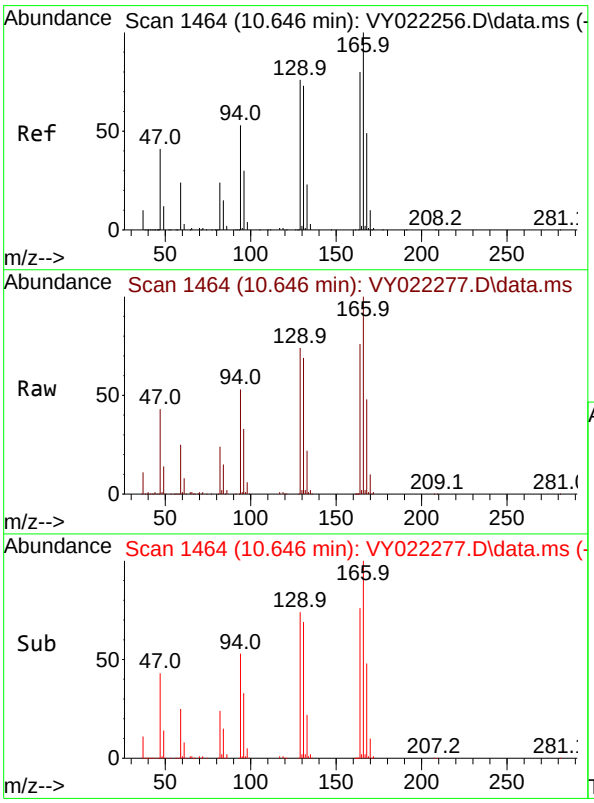
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 305829

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.6	70.0
119	32.1	25.8	38.6

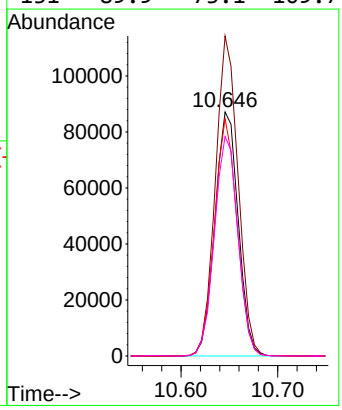


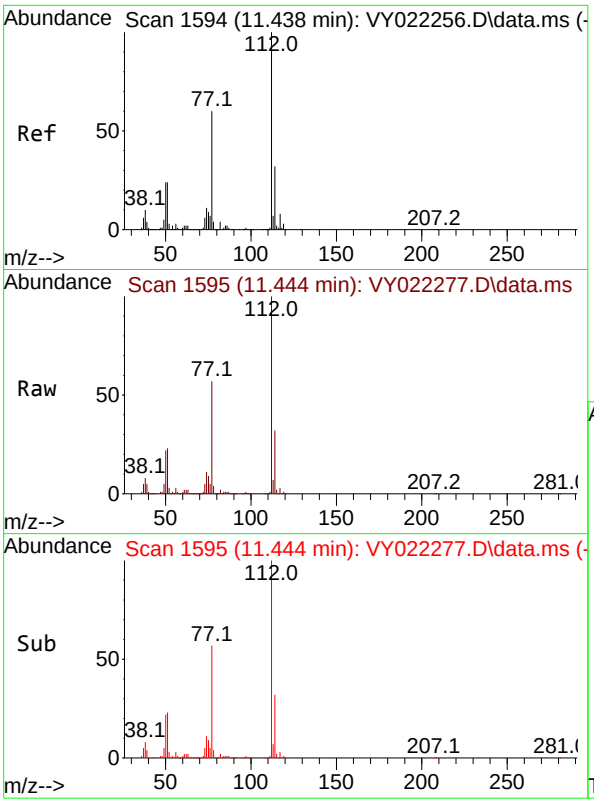


#64
Tetrachloroethene
Concen: 51.645 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:164 Resp: 145990

Ion	Ratio	Lower	Upper
164	100		
166	131.1	100.4	150.6
129	97.2	76.4	114.6
131	89.9	73.1	109.7



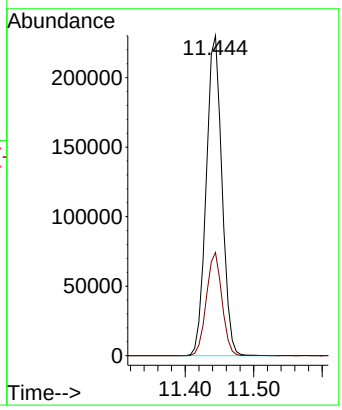


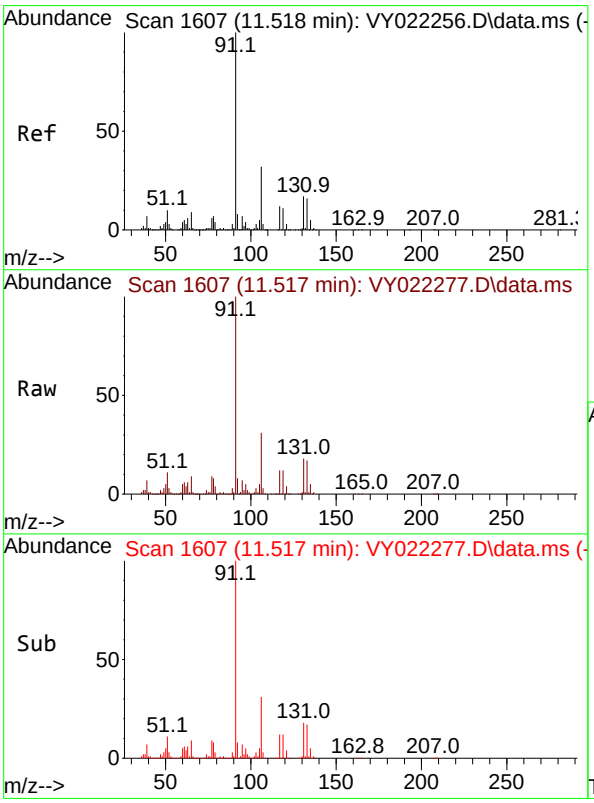
#65
Chlorobenzene
Concen: 53.191 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 367007

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

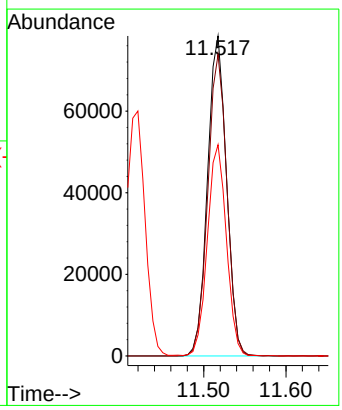


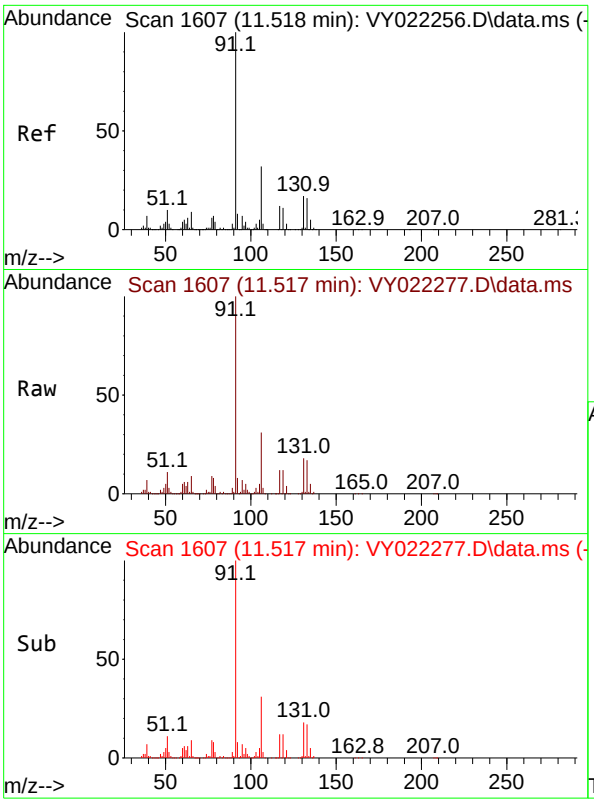


#66
1,1,1,2-Tetrachloroethane
Concen: 52.937 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:131 Resp: 125569

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	66.5	33.1	99.2



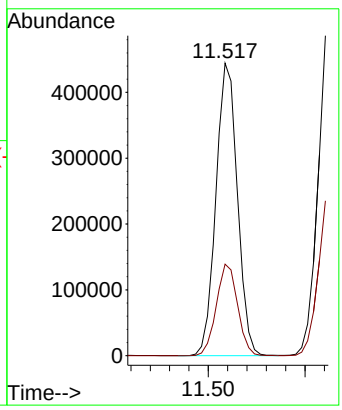


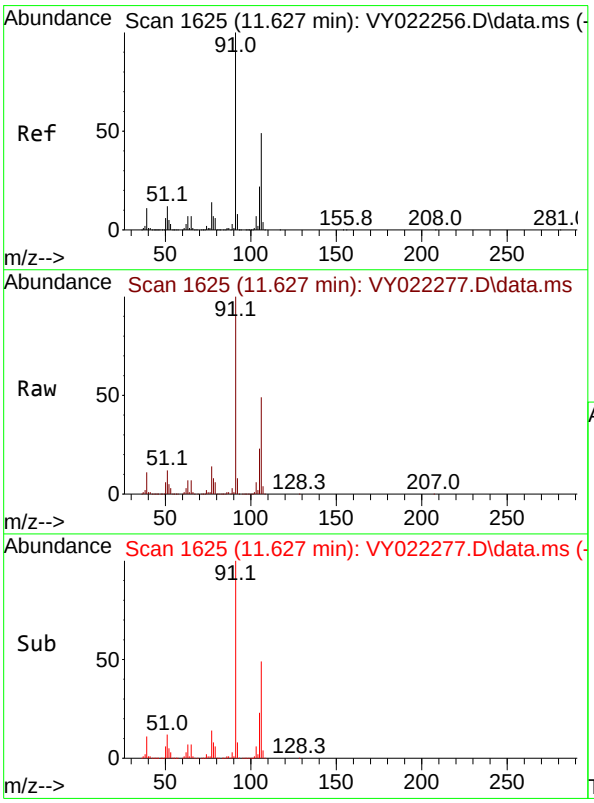
#67
Ethyl Benzene
Concen: 52.887 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 683403

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.4	38.0

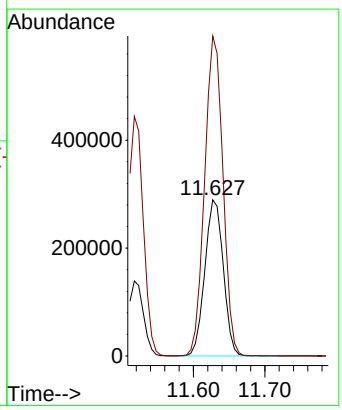


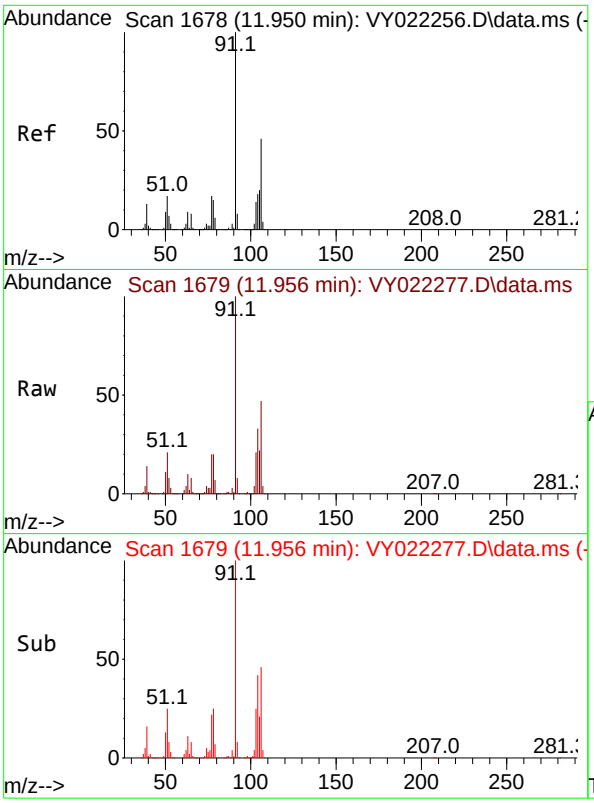


#68
m/p-Xylenes
Concen: 106.465 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:106 Resp: 518397

Ion	Ratio	Lower	Upper
106	100		
91	203.4	163.0	244.4



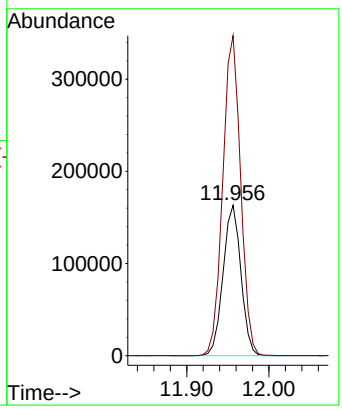


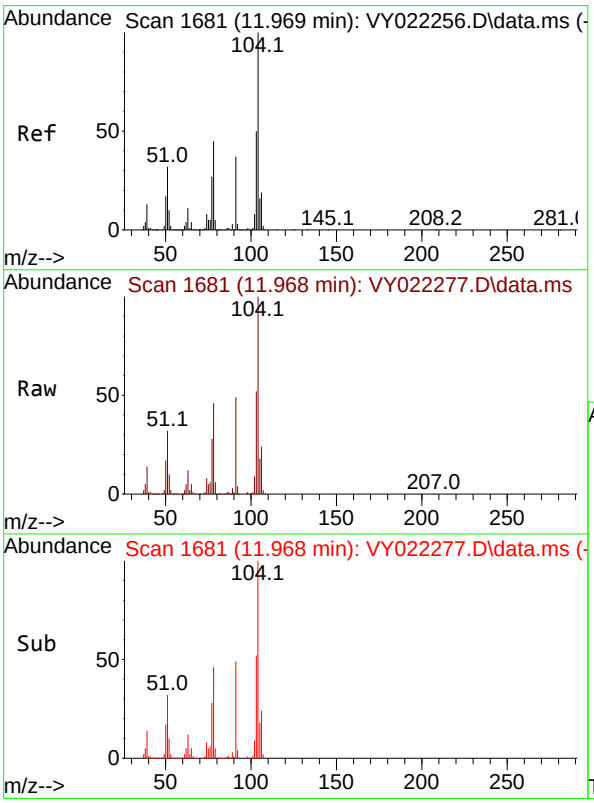
#69
o-Xylene
Concen: 53.401 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 246010

Ion	Ratio	Lower	Upper
106	100		
91	213.4	108.3	324.8

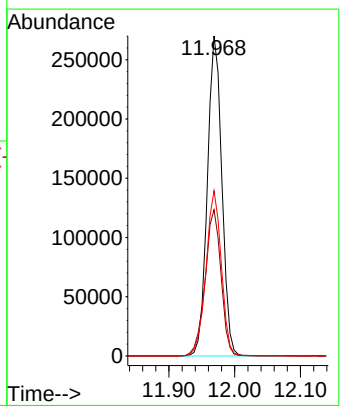


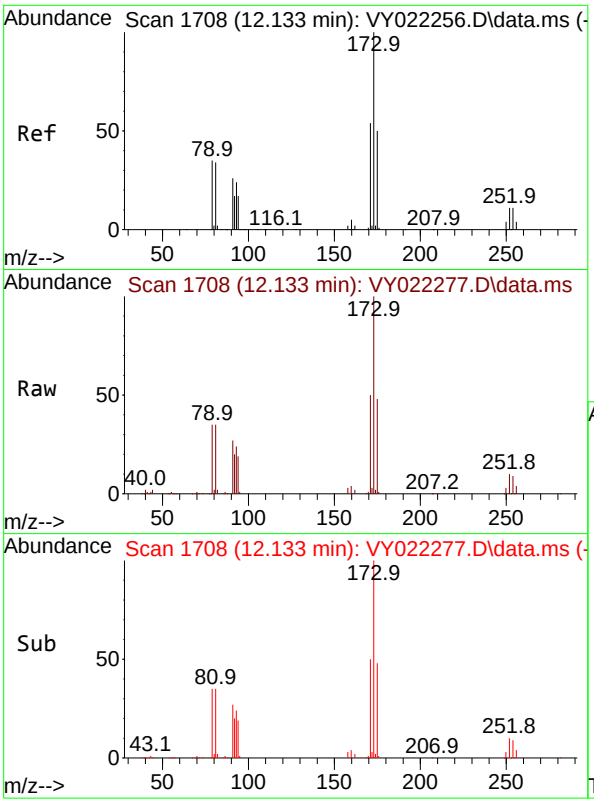


#70
Styrene
Concen: 53.337 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:104 Resp: 414482

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.9	61.3
103	54.7	43.7	65.5



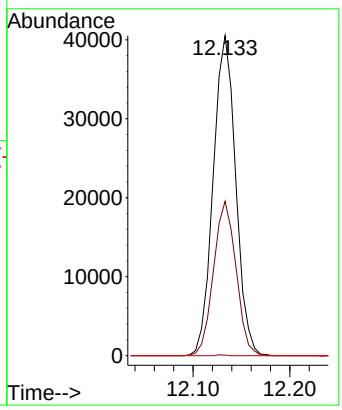


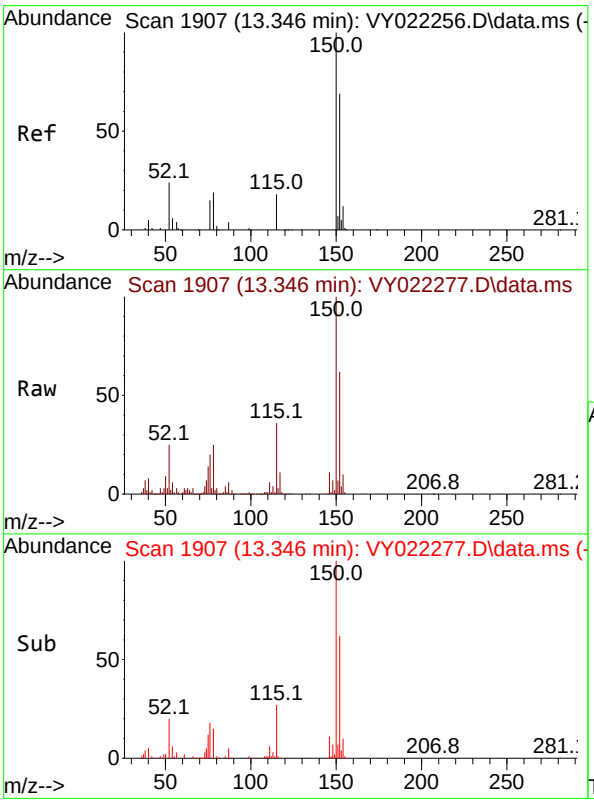
#71
Bromoform
Concen: 51.173 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 65518

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.1	0.0	0.0#

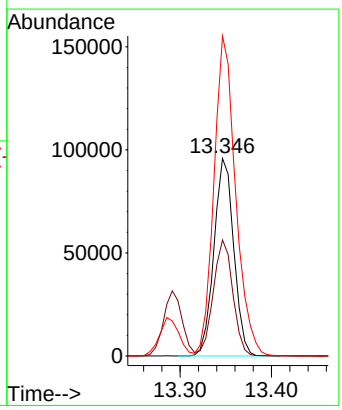


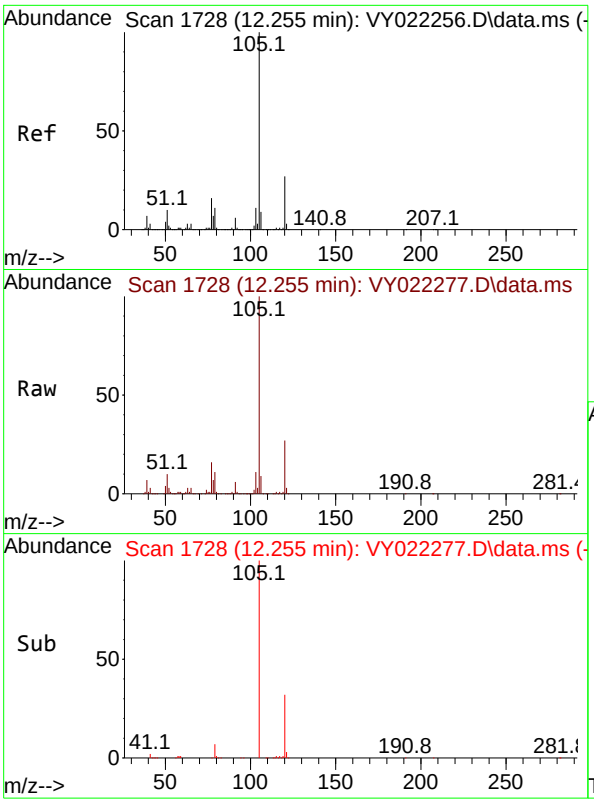


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:152 Resp: 144477

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.2
150	177.2	0.0	353.8



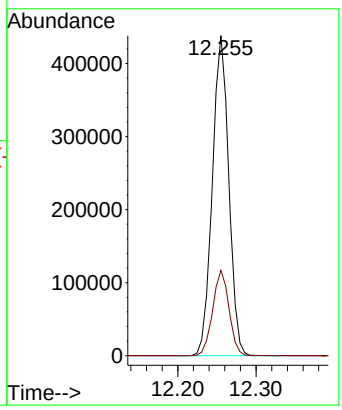


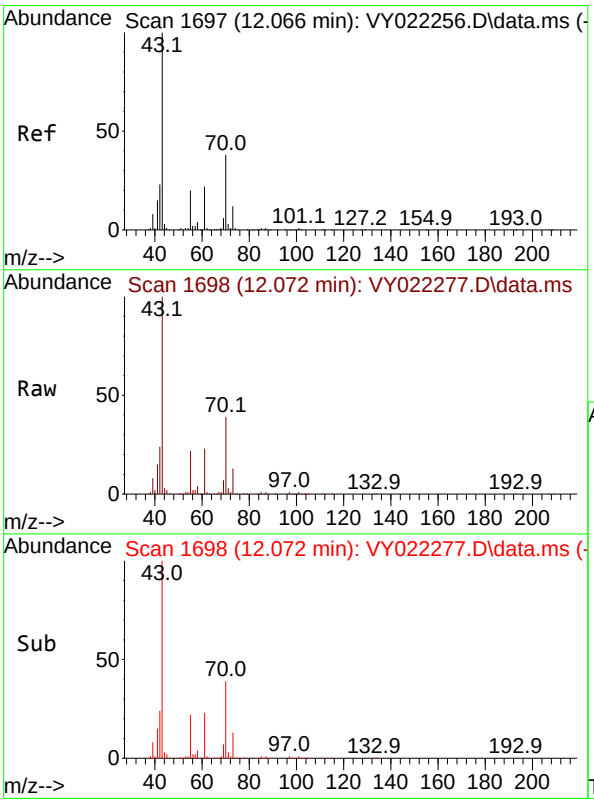
#73
Isopropylbenzene
Concen: 53.338 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 638419

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

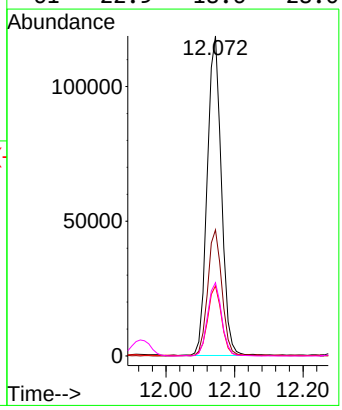


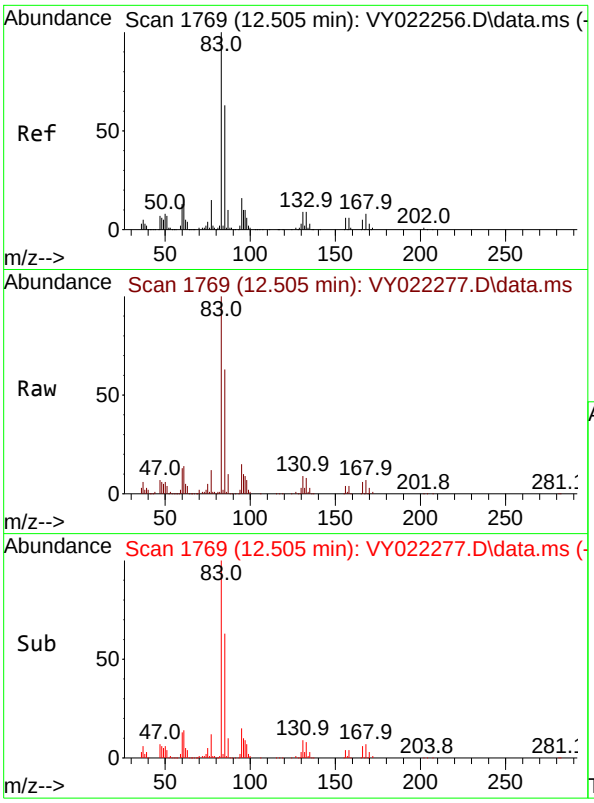


#74
N-amyl acetate
Concen: 49.797 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 43 Resp: 170468

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.4	47.0
55	21.3	17.0	25.6
61	22.9	18.6	28.0



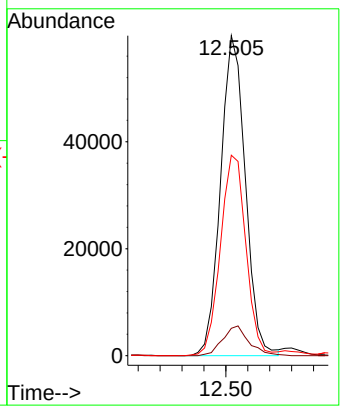


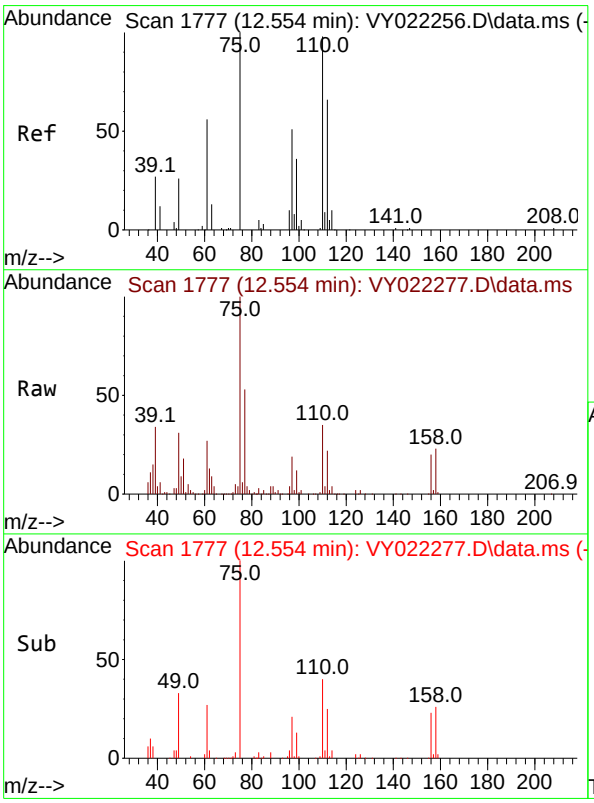
#75
1,1,2,2-Tetrachloroethane
Concen: 51.057 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 93984

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0

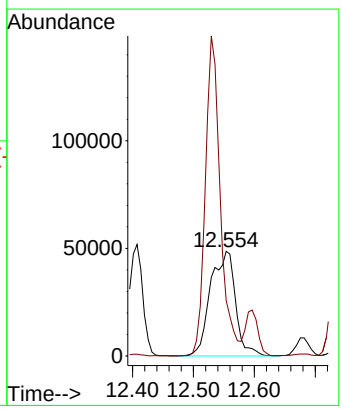


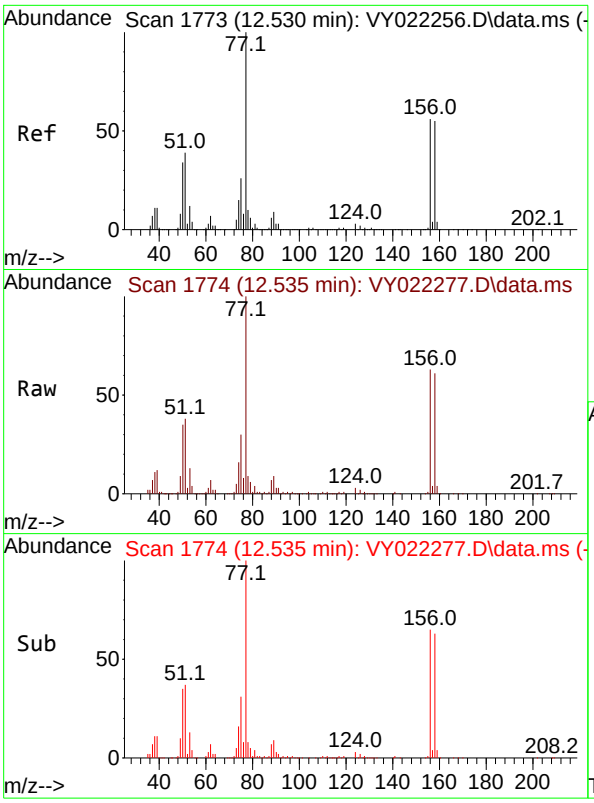


#76
1,2,3-Trichloropropane
Concen: 94.745 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 138679

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



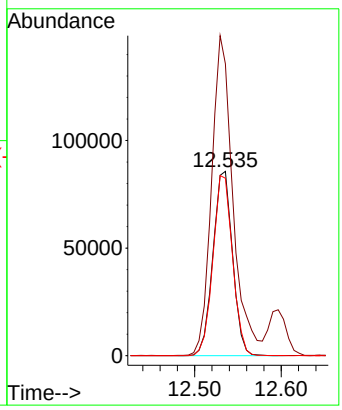


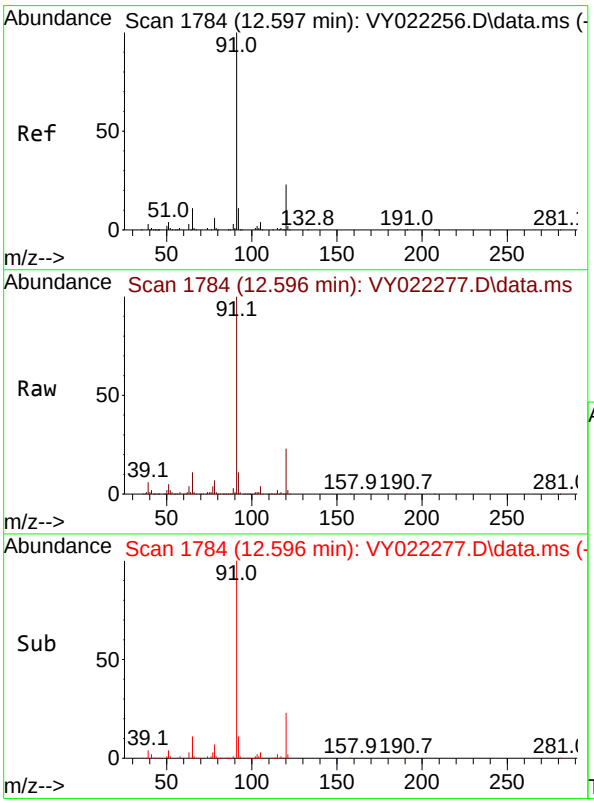
#77
Bromobenzene
Concen: 52.632 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 134547

Ion	Ratio	Lower	Upper
156	100		
77	189.6	94.5	283.6
158	97.9	48.4	145.3

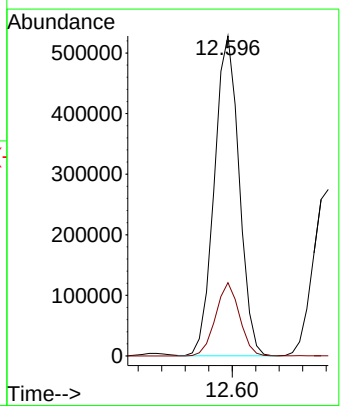


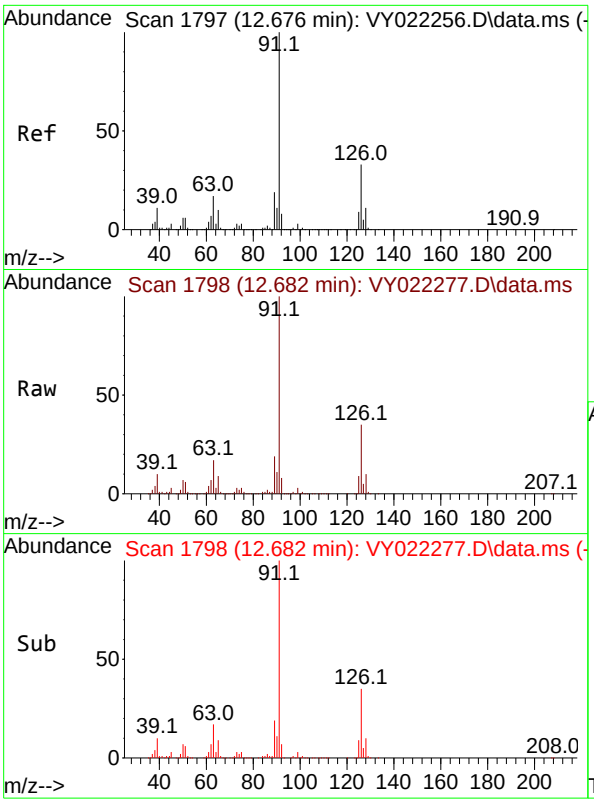


#78
n-propylbenzene
Concen: 53.604 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 773886

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3



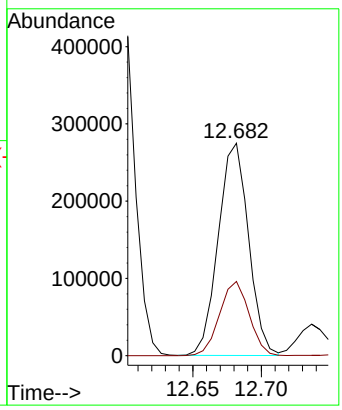


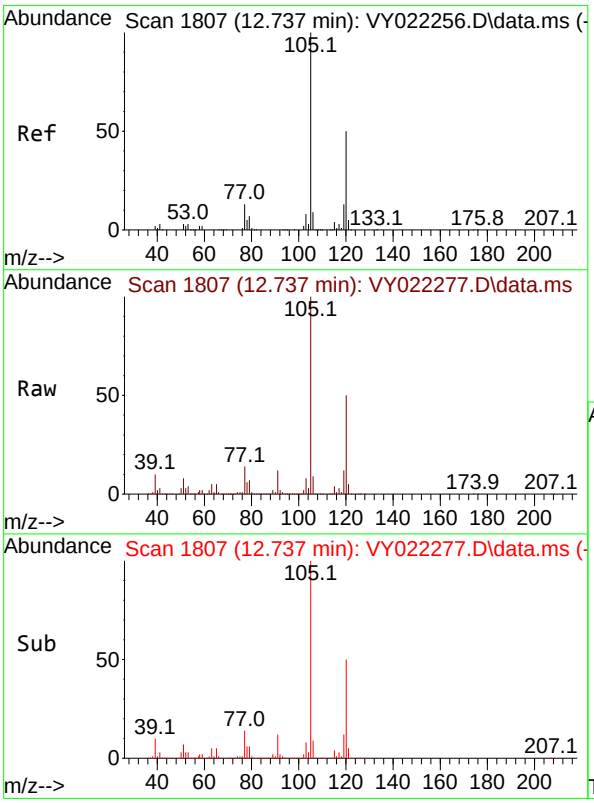
#79
2-Chlorotoluene
Concen: 53.269 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 422629

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.8	50.4

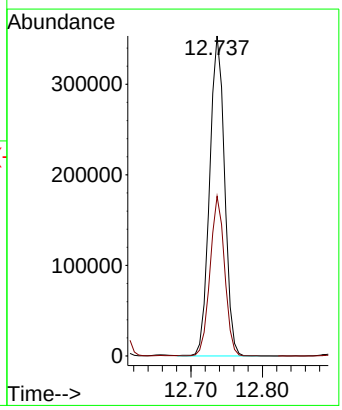


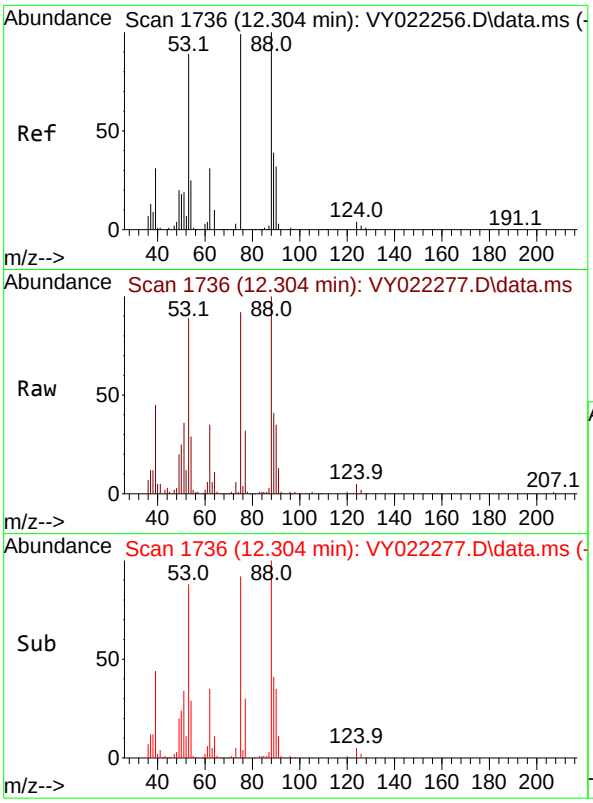


#80
1,3,5-Trimethylbenzene
Concen: 53.075 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 512810

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.2	72.6



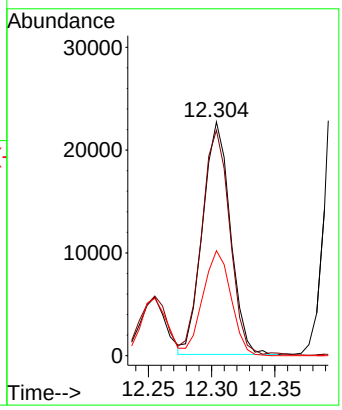


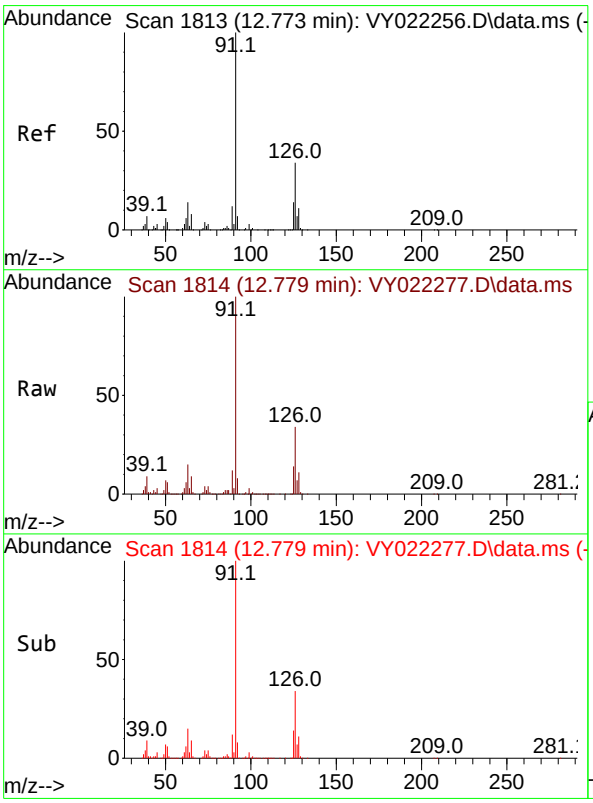
#81
trans-1,4-Dichloro-2-butene
Concen: 47.601 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 34394

Ion	Ratio	Lower	Upper
75	100		
53	99.2	75.8	113.8
89	45.4	36.2	54.2

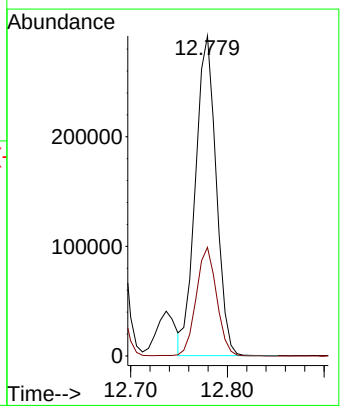


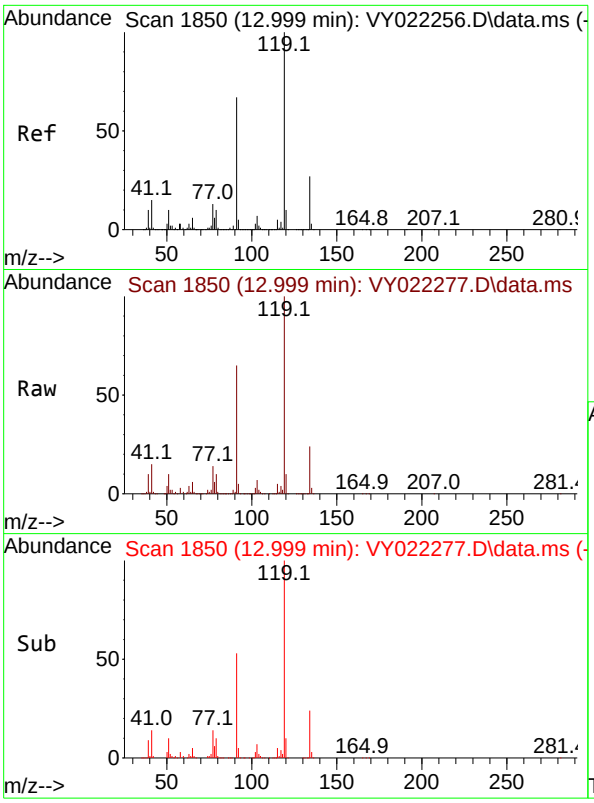


#82
4-Chlorotoluene
Concen: 53.249 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 91 Resp: 434539

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4



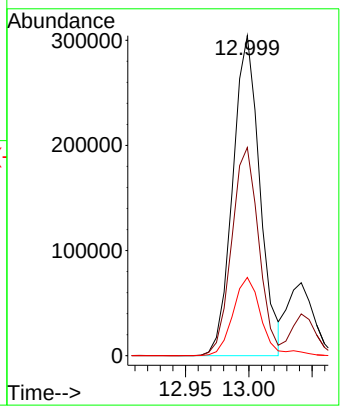


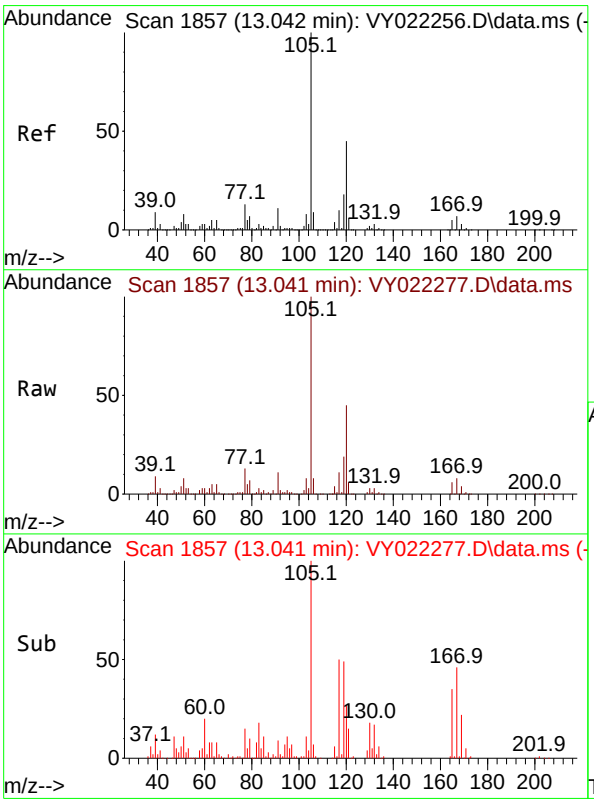
#83
tert-Butylbenzene
Concen: 52.865 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 453991

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.8	98.3
134	25.7	12.9	38.6

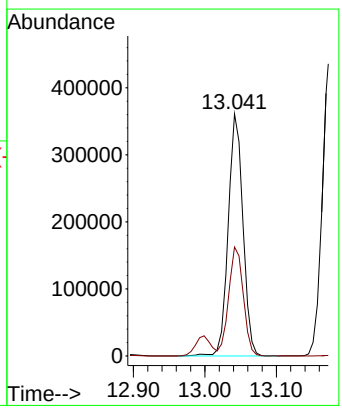


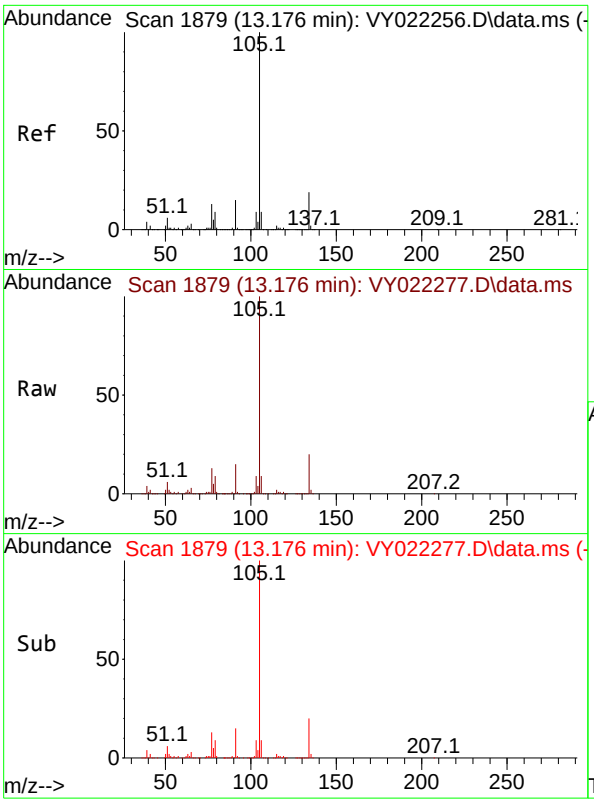


#84
1,2,4-Trimethylbenzene
Concen: 53.733 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:105 Resp: 515364

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9



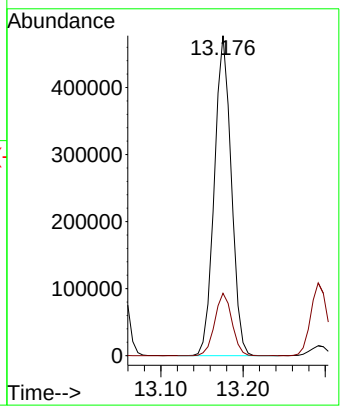


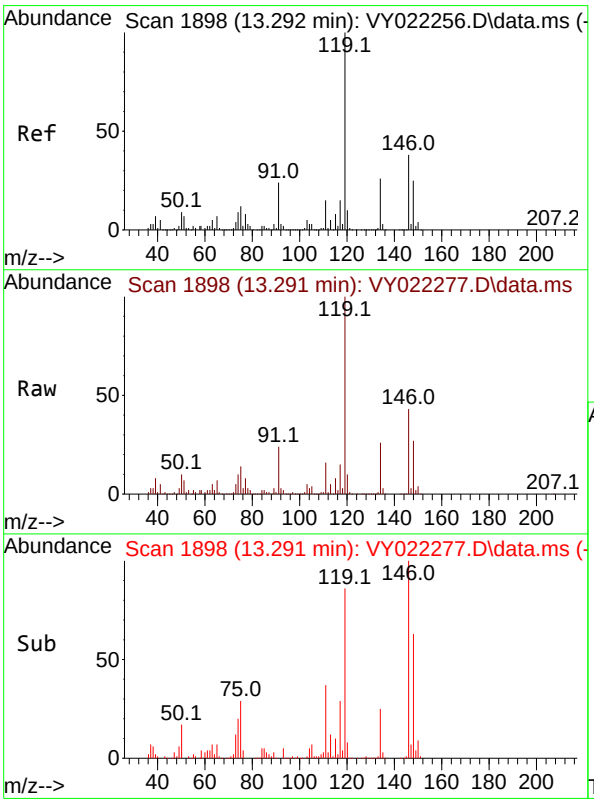
#85
sec-Butylbenzene
Concen: 53.545 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 682585

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

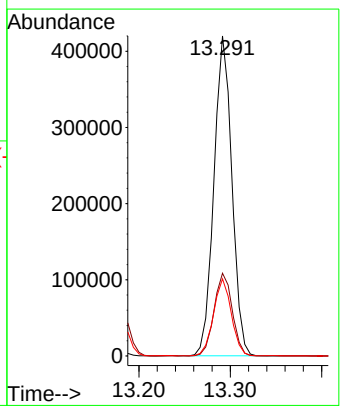


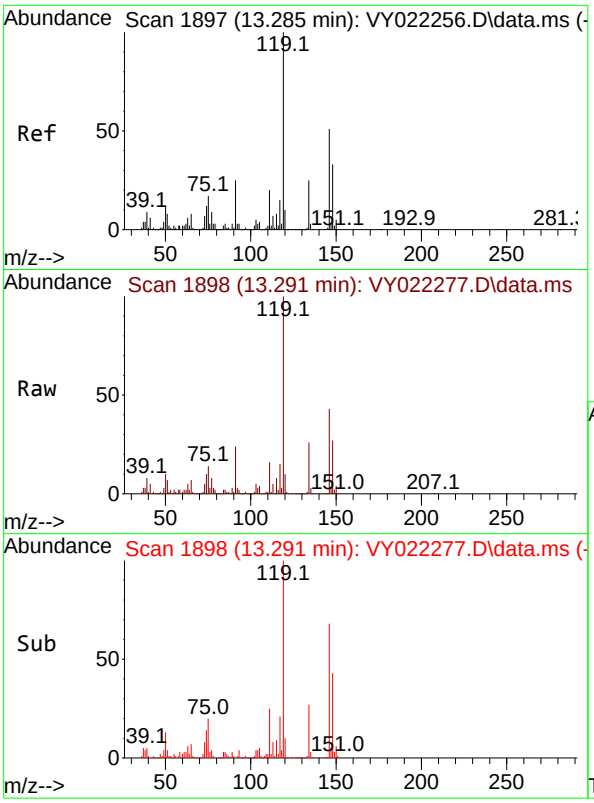


#86
p-Isopropyltoluene
Concen: 53.506 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:119 Resp: 573661

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	23.8	12.1	36.3



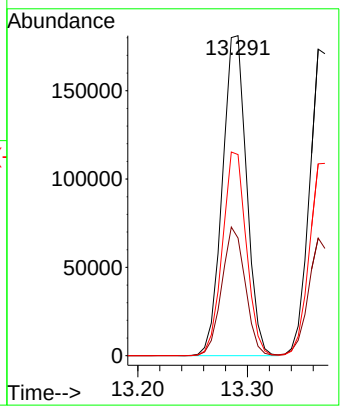


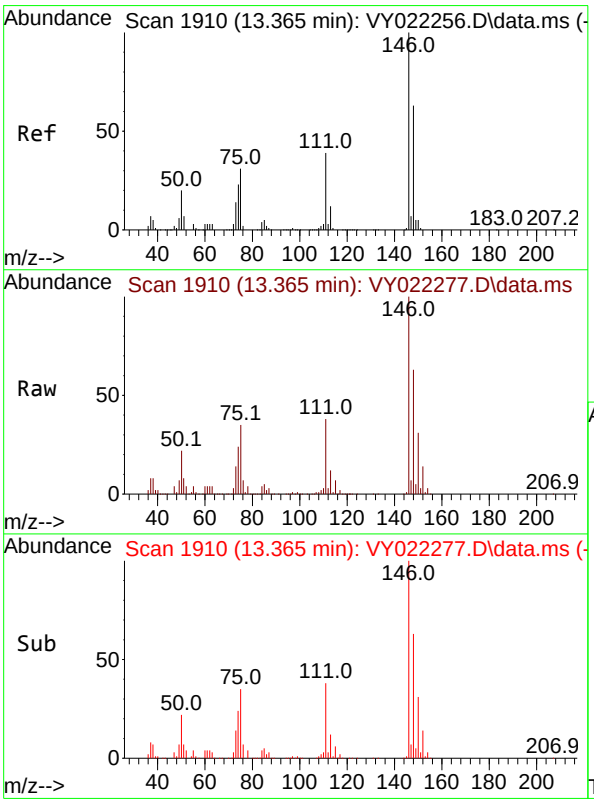
#87
1,3-Dichlorobenzene
Concen: 53.186 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 277562

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	63.0	31.9	95.7

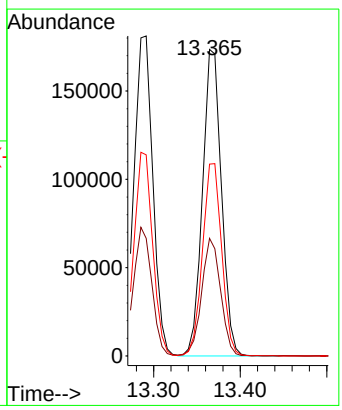


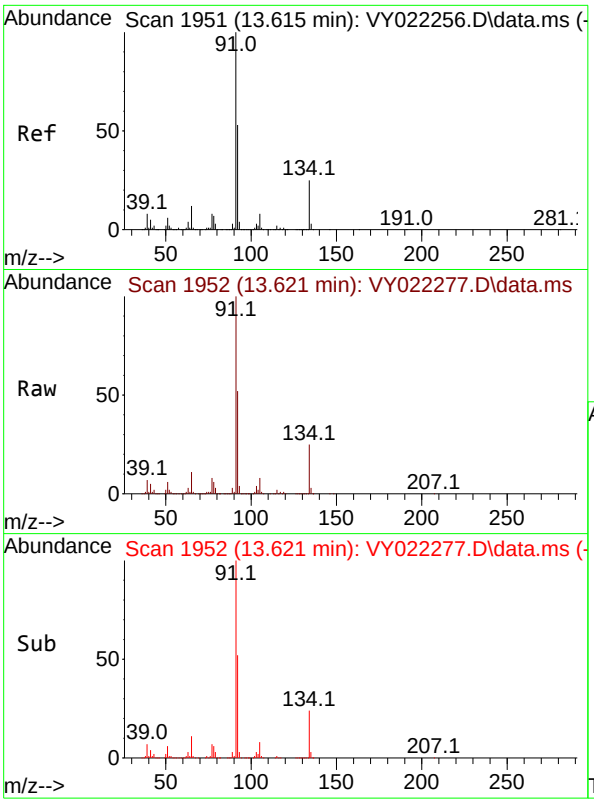


#88
1,4-Dichlorobenzene
Concen: 52.554 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:146 Resp: 263812

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.6	32.1	96.5



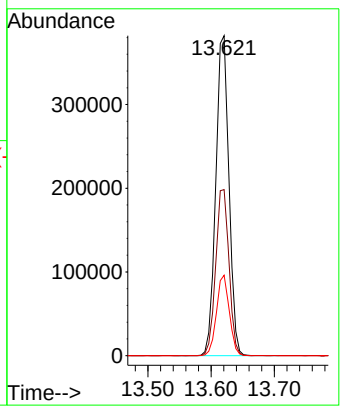


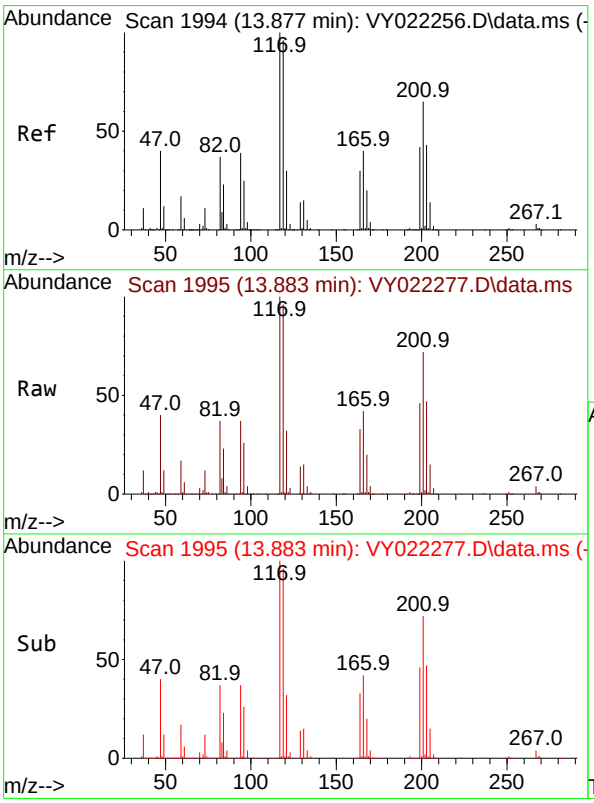
#89
n-Butylbenzene
Concen: 54.360 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 551378

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	24.6	12.4	37.4

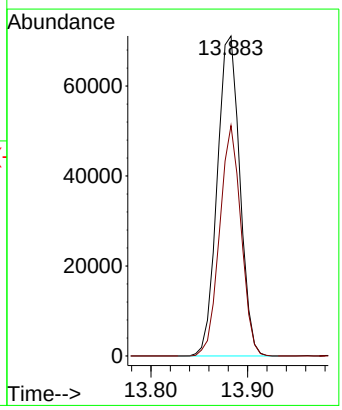


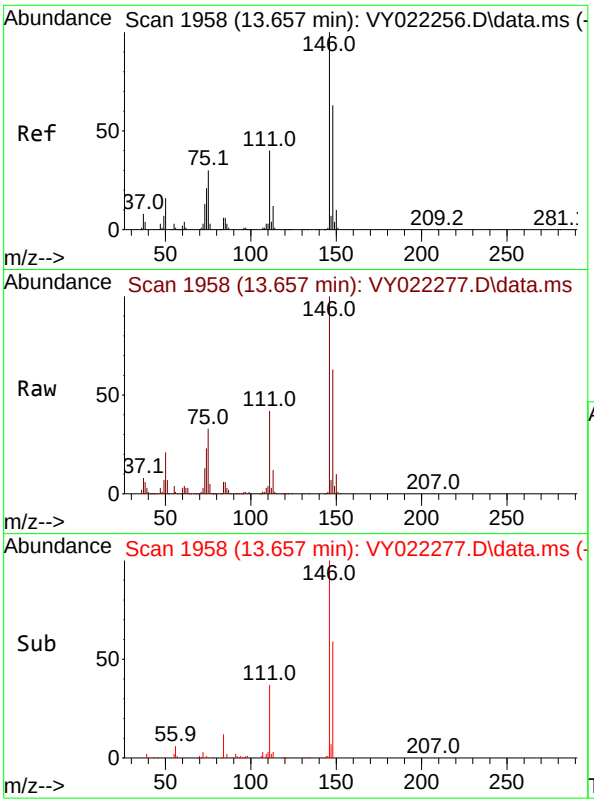


#90
Hexachloroethane
Concen: 53.238 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:117 Resp: 115221

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6



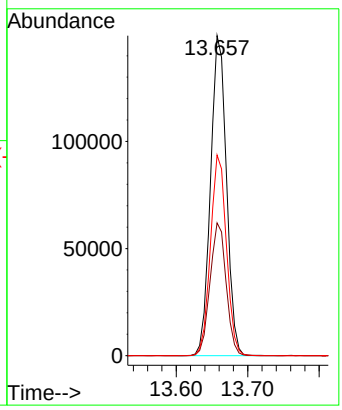


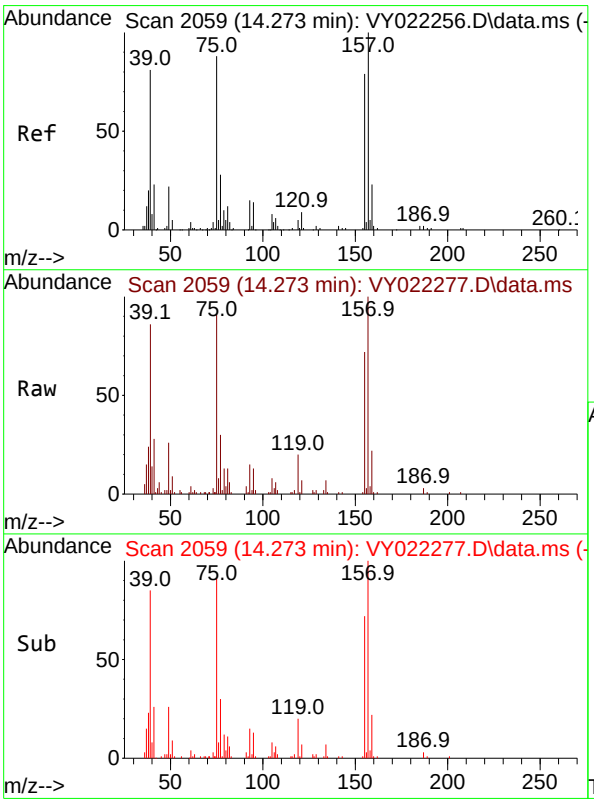
#91
1,2-Dichlorobenzene
Concen: 52.616 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 230646

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.5
148	63.0	32.0	96.0

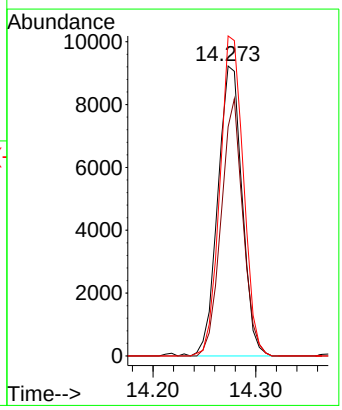


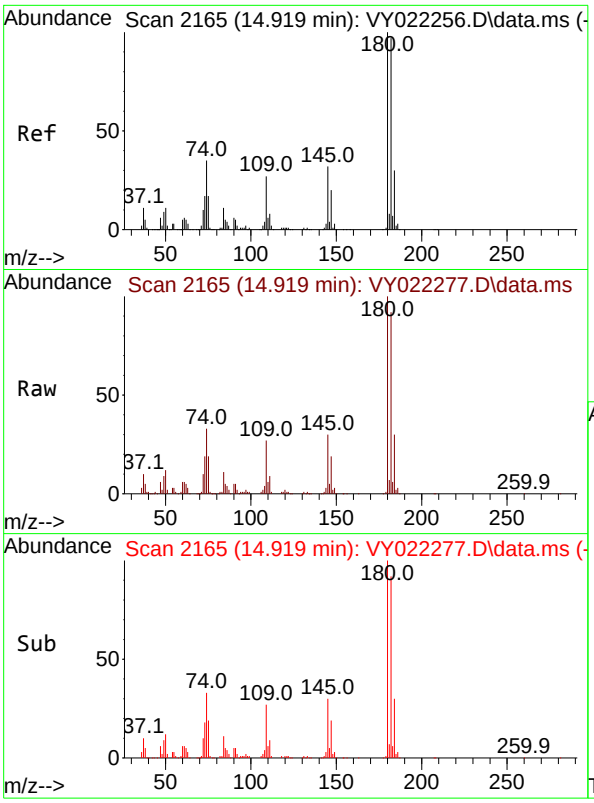


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.767 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion: 75 Resp: 15069

Ion	Ratio	Lower	Upper
75	100		
155	80.0	43.4	130.1
157	106.9	54.6	163.9



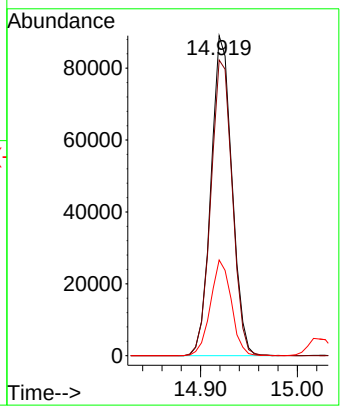


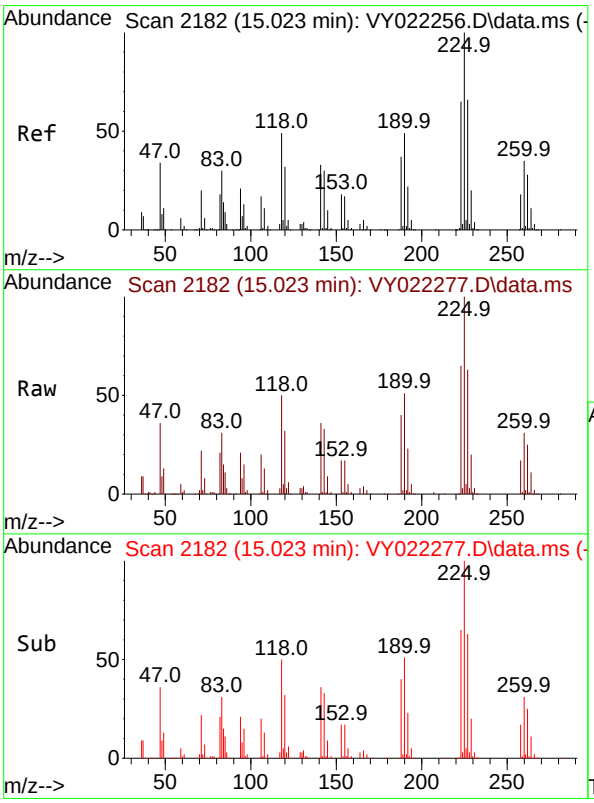
#93
1,2,4-Trichlorobenzene
Concen: 52.983 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 134157

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.0
145	29.7	15.0	45.1

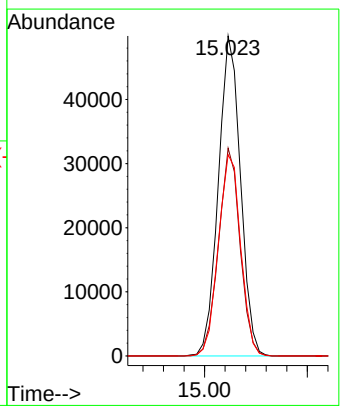


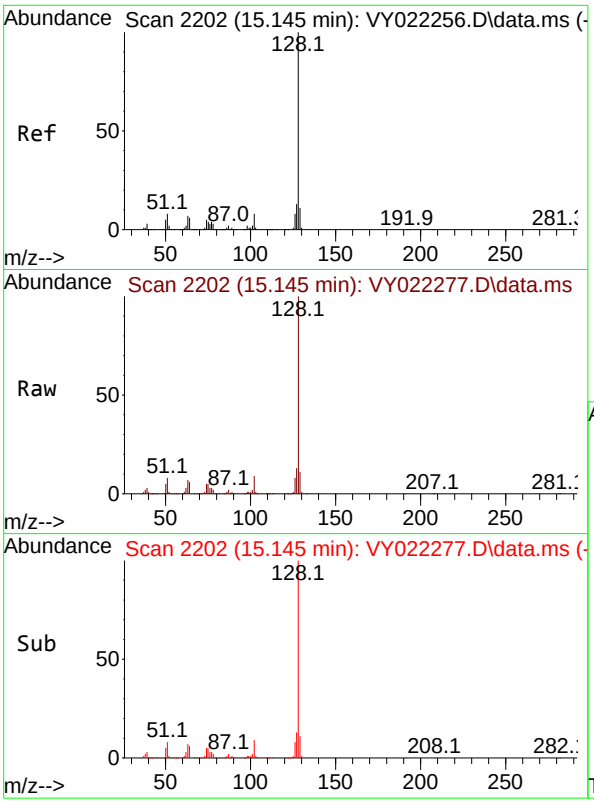


#94
Hexachlorobutadiene
Concen: 52.696 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:225 Resp: 74411

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.5	94.5
227	63.7	32.1	96.3



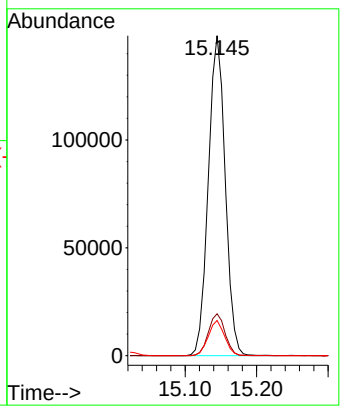


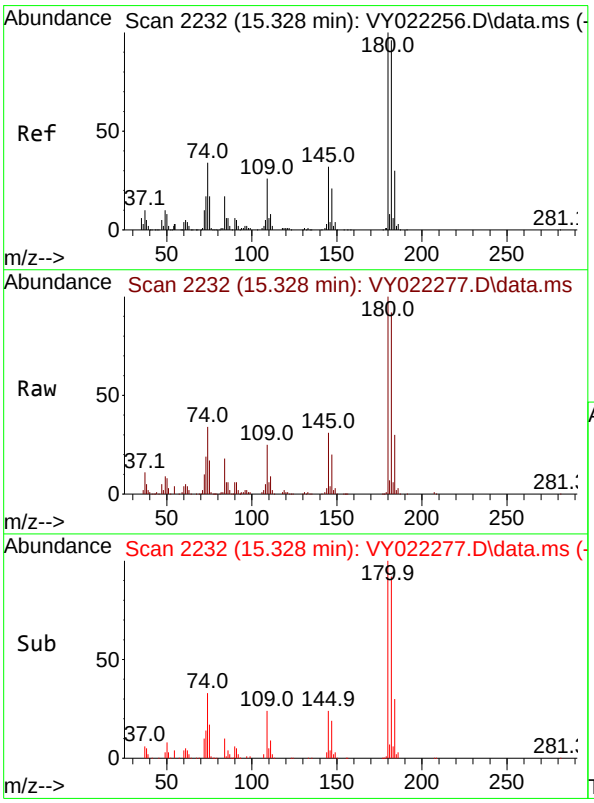
#95
Naphthalene
Concen: 50.663 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 243439

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.6	8.8	13.2

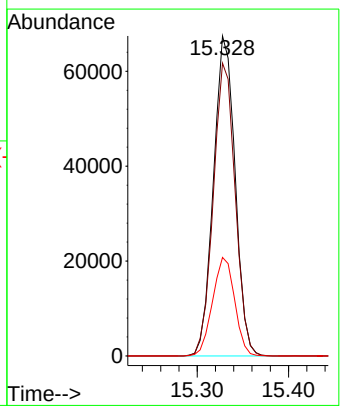




#96
1,2,3-Trichlorobenzene
Concen: 51.679 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022277.D
Acq: 16 May 2025 08:24

Tgt Ion:180 Resp: 111008

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.1	141.3
145	31.4	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	205076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	351708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114577	51.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%			
35) Dibromofluoromethane	7.634	113	106659	50.809	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.620%			
50) Toluene-d8	10.109	98	437632	50.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.408	95	134691	49.426	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45052	21.053	ug/l	96
3) Chloromethane	2.068	50	109640	24.357	ug/l	99
4) Vinyl Chloride	2.202	62	120955	24.051	ug/l	97
5) Bromomethane	2.592	94	108325	26.460	ug/l	96
6) Chloroethane	2.732	64	77272	24.698	ug/l	97
7) Trichlorofluoromethane	3.049	101	112994	22.191	ug/l	98
8) Diethyl Ether	3.452	74	24161	19.772	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	46362	20.973	ug/l	98
10) Methyl Iodide	4.000	142	47690	18.640	ug/l	99
11) Tert butyl alcohol	4.866	59	16251	94.950	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45611	20.793	ug/l	96
13) Acrolein	3.653	56	22588	90.276	ug/l	98
14) Allyl chloride	4.385	41	76691	19.939	ug/l	97
15) Acrylonitrile	5.061	53	49210	97.735	ug/l	98
16) Acetone	3.879	43	35951	85.545	ug/l	98
17) Carbon Disulfide	4.104	76	148086	20.702	ug/l	98
18) Methyl Acetate	4.385	43	26179	19.757	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	122697	20.286	ug/l	98
20) Methylene Chloride	4.616	84	54277	19.987	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	49533	20.457	ug/l	97
22) Diisopropyl ether	6.018	45	160728	19.788	ug/l	99
23) Vinyl Acetate	5.957	43	464752	94.709	ug/l	99
24) 1,1-Dichloroethane	5.915	63	92075	20.290	ug/l	98
25) 2-Butanone	6.896	43	64354	91.546	ug/l	100
26) 2,2-Dichloropropane	6.884	77	80883	20.039	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	57480	20.572	ug/l	99
28) Bromochloromethane	7.250	49	38175	19.722	ug/l	98
29) Tetrahydrofuran	7.268	42	43168	95.450	ug/l	96
30) Chloroform	7.421	83	90925	20.889	ug/l	99
31) Cyclohexane	7.701	56	89576	19.756	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	82428	20.641	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67416	19.498	ug/l	99
37) Ethyl Acetate	6.988	43	30289	18.206	ug/l	96
38) Carbon Tetrachloride	7.817	117	70982	19.833	ug/l	98
39) Methylcyclohexane	9.109	83	90967	19.583	ug/l	96
40) Benzene	8.079	78	206032	20.100	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.219	41	15467	14.016 ug/l #	67
42) 1,2-Dichloroethane	8.158	62	55663	20.081 ug/l	99
43) Isopropyl Acetate	8.201	43	66577	18.350 ug/l	100
44) Trichloroethene	8.865	130	52001	20.403 ug/l	99
45) 1,2-Dichloropropane	9.140	63	48024	19.433 ug/l	95
46) Dibromomethane	9.231	93	26030	19.529 ug/l	96
47) Bromodichloromethane	9.426	83	69687	20.153 ug/l	99
48) Methyl methacrylate	9.225	41	31270	18.429 ug/l	99
49) 1,4-Dioxane	9.237	88	5450	361.945 ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	161776	90.873 ug/l	98
52) Toluene	10.170	92	126577	19.501 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	63643	18.860 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	74469	19.261 ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33647	19.714 ug/l	96
56) Ethyl methacrylate	10.438	69	48650	18.299 ug/l	97
57) 1,3-Dichloropropane	10.719	76	58178	19.185 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	99985	83.786 ug/l	100
59) 2-Hexanone	10.761	43	106492	89.217 ug/l	99
60) Dibromochloromethane	10.914	129	43390	19.586 ug/l	98
61) 1,2-Dibromoethane	11.018	107	31515	19.811 ug/l	99
64) Tetrachloroethene	10.646	164	54813	19.759 ug/l	99
65) Chlorobenzene	11.444	112	133251	19.679 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	44554	19.140 ug/l	100
67) Ethyl Benzene	11.517	91	241283	19.027 ug/l	98
68) m/p-Xylenes	11.627	106	183701	38.444 ug/l	98
69) o-Xylene	11.956	106	87610	19.379 ug/l	96
70) Styrene	11.969	104	144454	18.942 ug/l	99
71) Bromoform	12.133	173	23136	18.414 ug/l #	99
73) Isopropylbenzene	12.255	105	226293	19.344 ug/l	100
74) N-amyl acetate	12.072	43	59704	17.844 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34300	19.065 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	50035	34.975 ug/l #	100
77) Bromobenzene	12.529	156	47234	18.904 ug/l	97
78) n-propylbenzene	12.597	91	274165	19.430 ug/l	100
79) 2-Chlorotoluene	12.682	91	148305	19.125 ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	178884	18.943 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11847	16.775 ug/l	93
82) 4-Chlorotoluene	12.779	91	148832	18.660 ug/l	98
83) tert-Butylbenzene	12.999	119	161923	19.292 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	179642	19.163 ug/l	99
85) sec-Butylbenzene	13.176	105	239464	19.219 ug/l	99
86) p-Isopropyltoluene	13.291	119	197757	18.872 ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	93936	18.416 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	92740	18.902 ug/l	99
89) n-Butylbenzene	13.615	91	191322	19.299 ug/l	98
90) Hexachloroethane	13.877	117	40730	19.255 ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	81717	19.073 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5507	18.982 ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	47875	19.345 ug/l	96
94) Hexachlorobutadiene	15.023	225	26080	18.897 ug/l	98
95) Naphthalene	15.145	128	86461	18.410 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39190	18.667 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

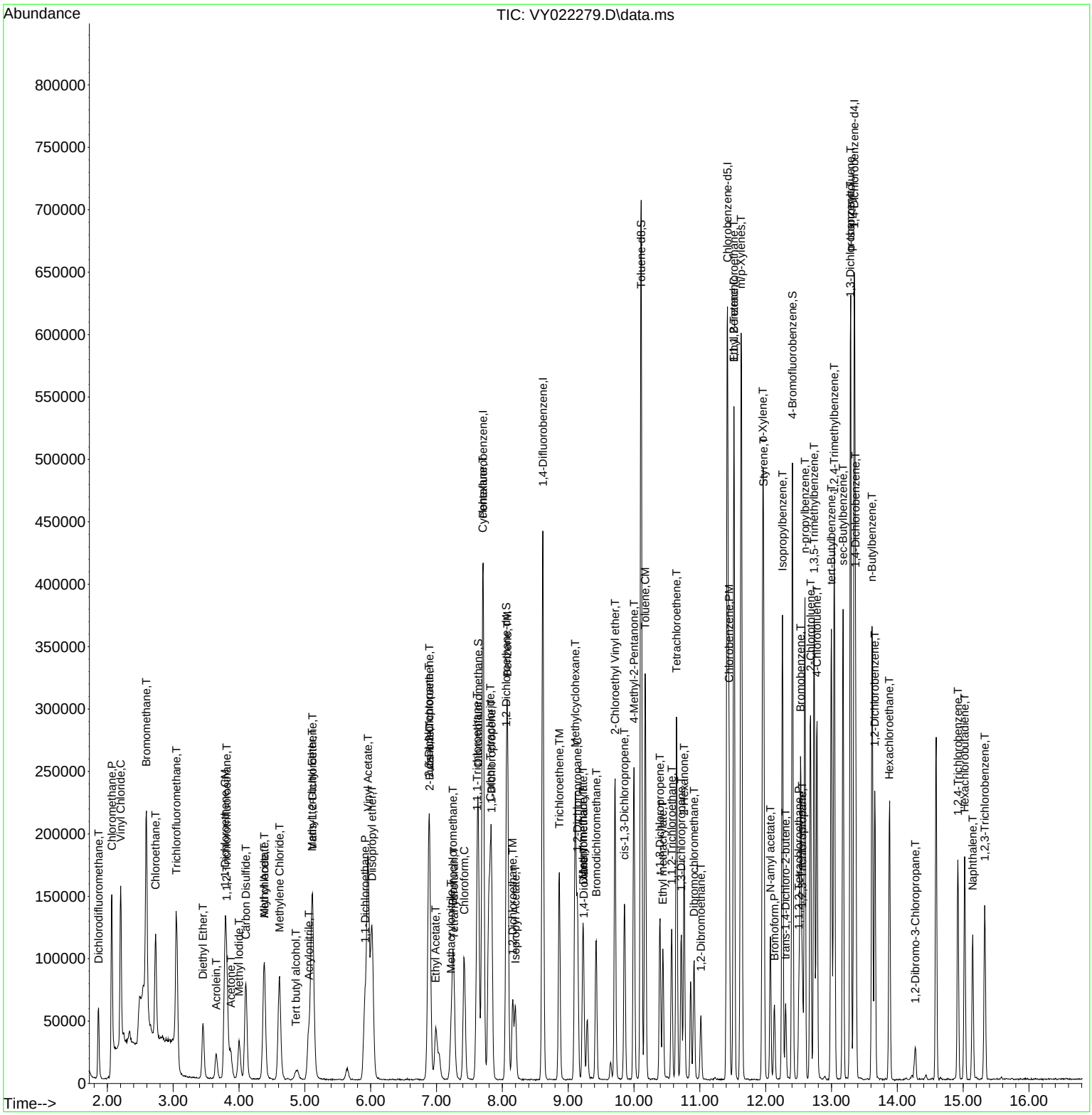
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

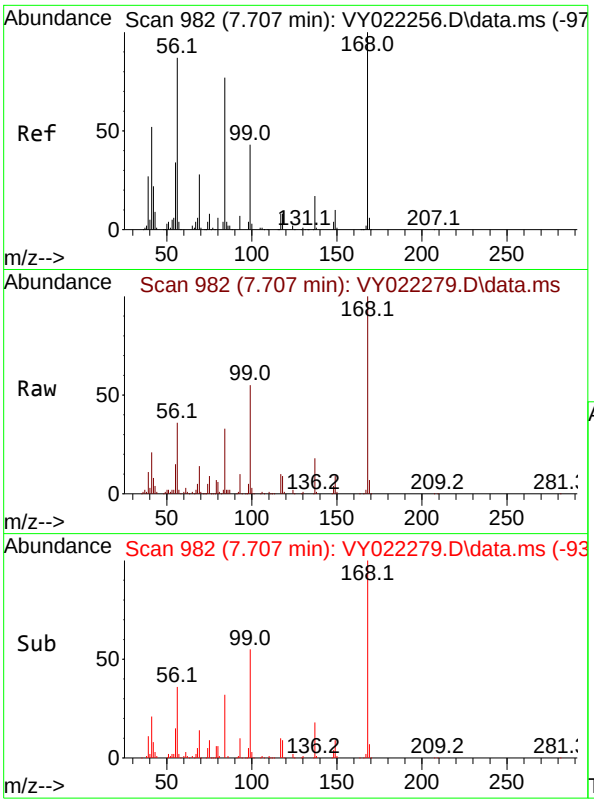
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



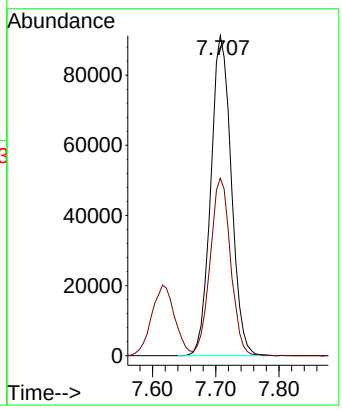


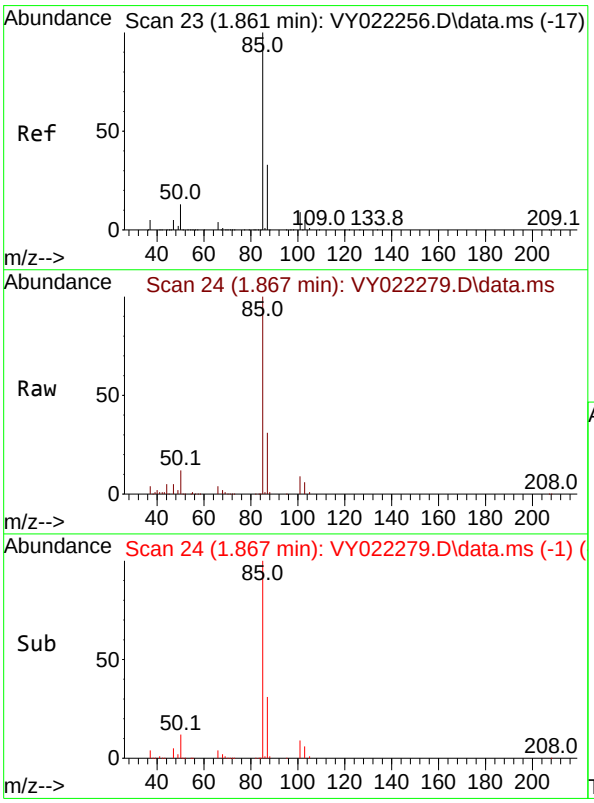
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:168 Resp: 205076

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

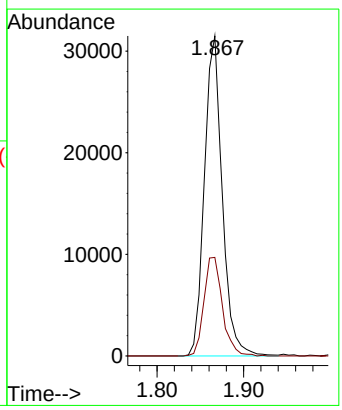


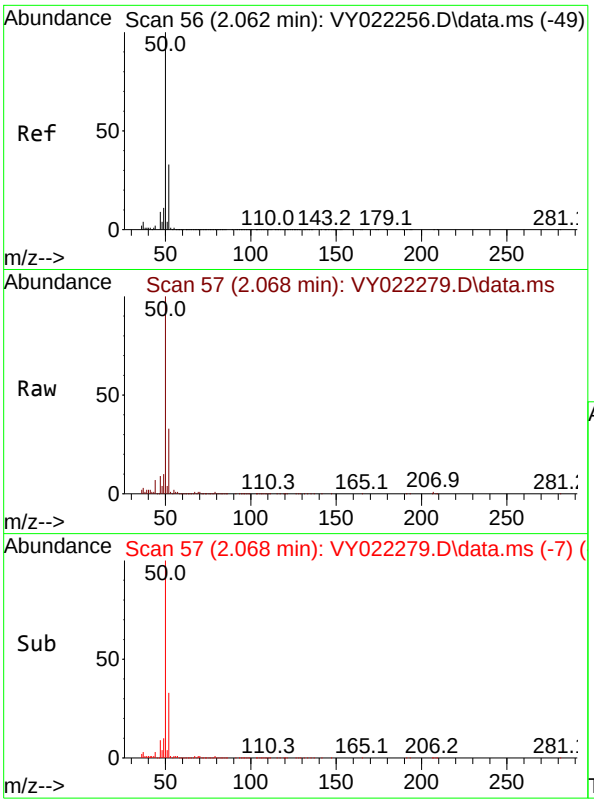


#2
Dichlorodifluoromethane
Concen: 21.053 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 85 Resp: 45052

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.5	49.5



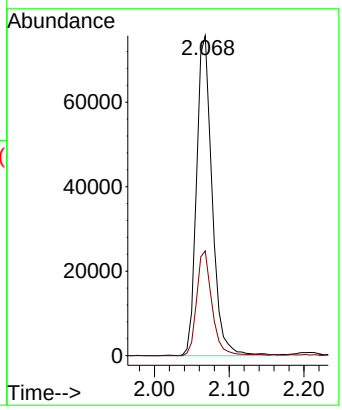


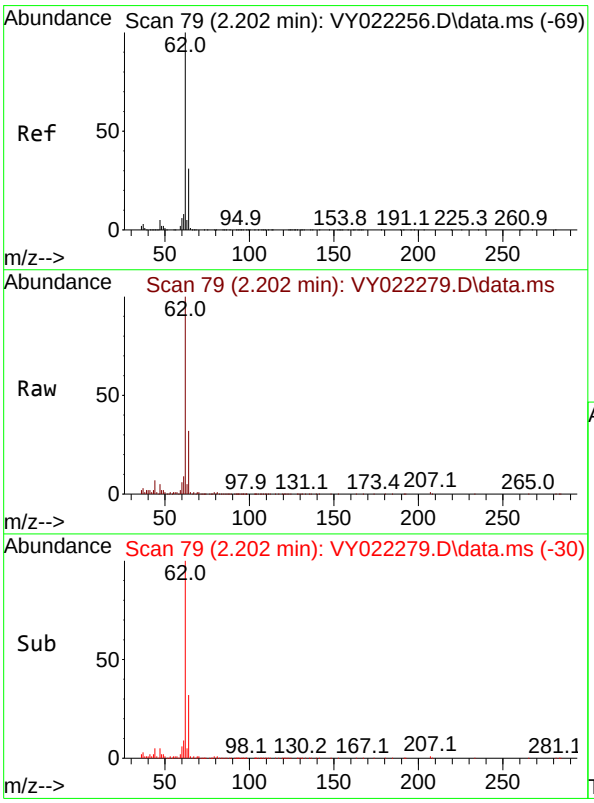
#3
Chloromethane
Concen: 24.357 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 50 Resp: 109640

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.5	39.7

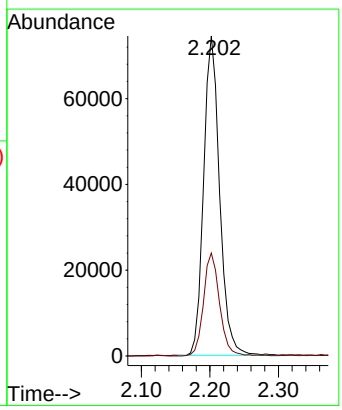


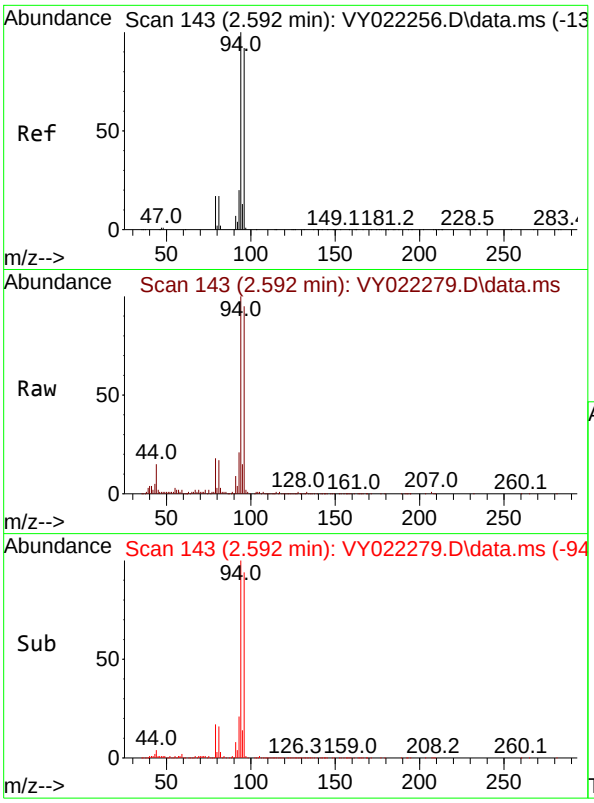


#4
Vinyl Chloride
Concen: 24.051 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 120955

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.5	36.7



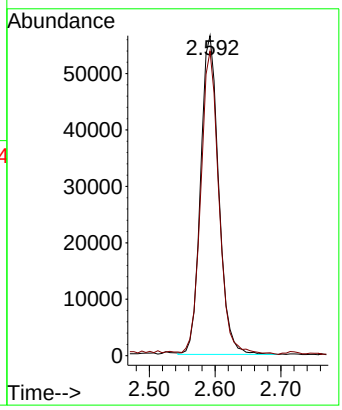


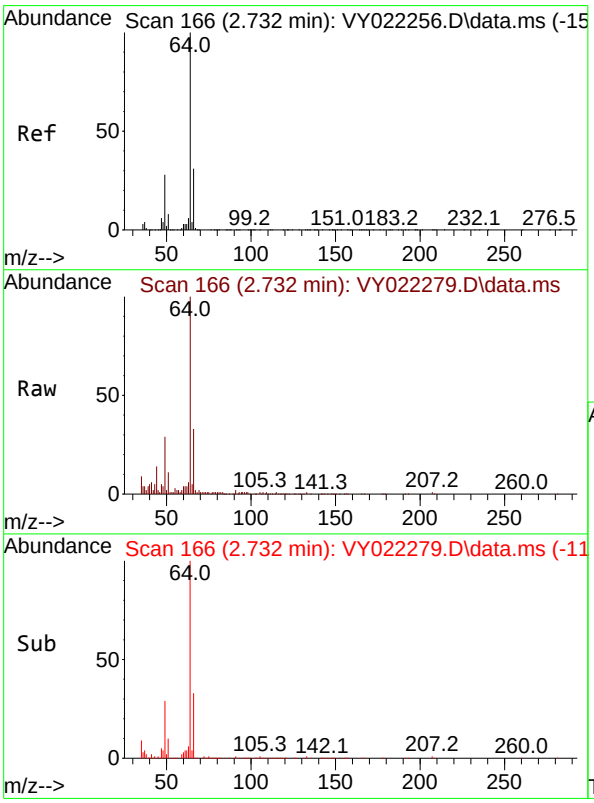
#5
Bromomethane
Concen: 26.460 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 94 Resp: 108325

Ion	Ratio	Lower	Upper
94	100		
96	95.1	73.4	110.0

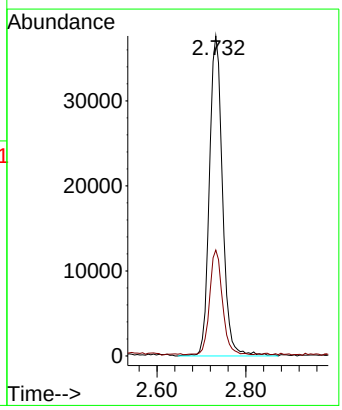


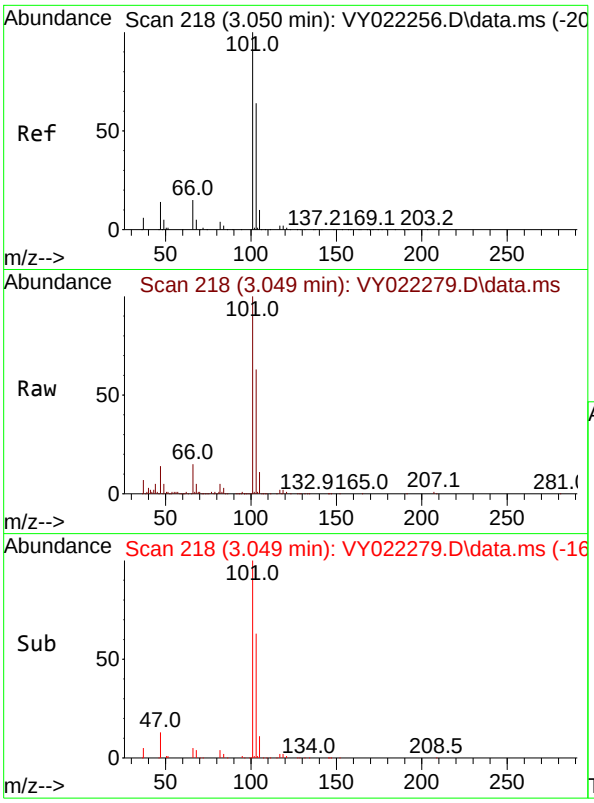


#6
Chloroethane
Concen: 24.698 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 64 Resp: 77272

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.8	37.2



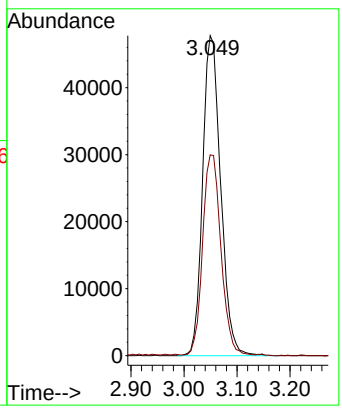


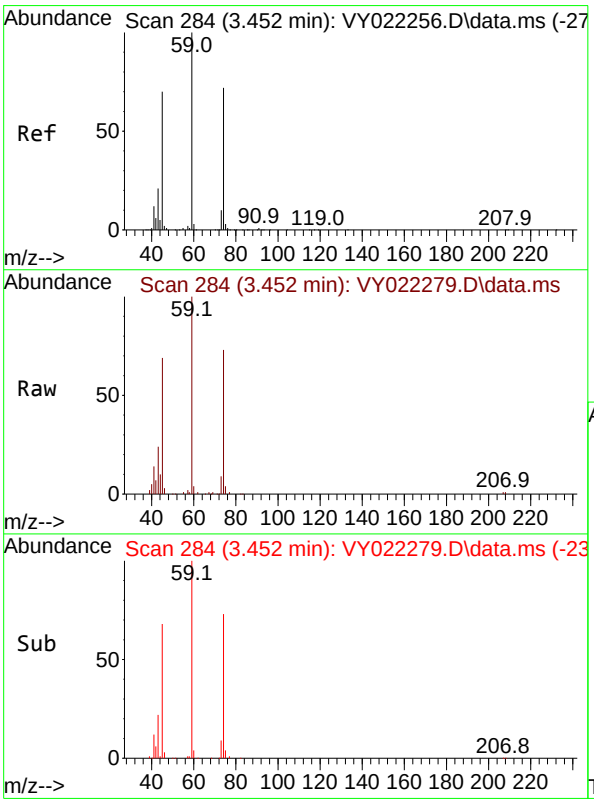
#7
Trichlorofluoromethane
Concen: 22.191 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:101 Resp: 112994

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.7	77.5

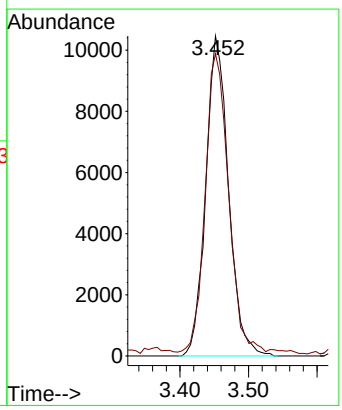


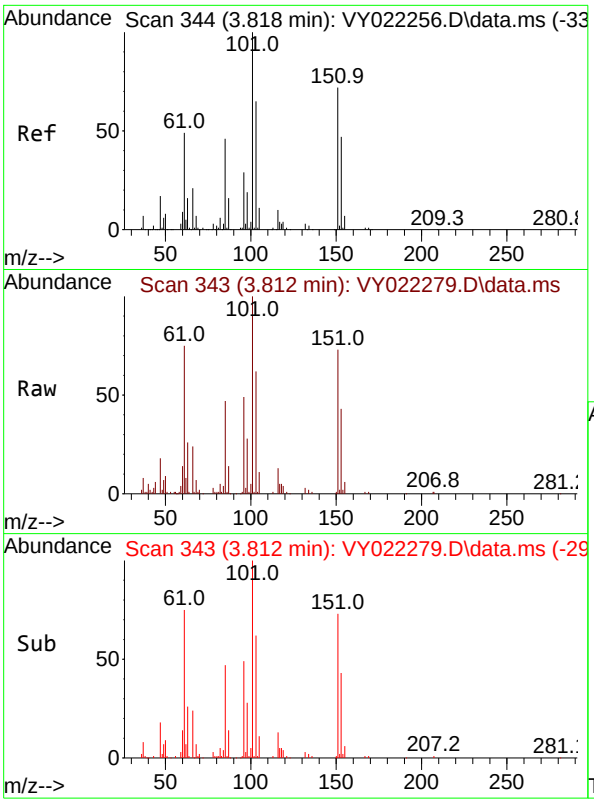


#8
Diethyl Ether
Concen: 19.772 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 74 Resp: 24161

Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.6	145.8



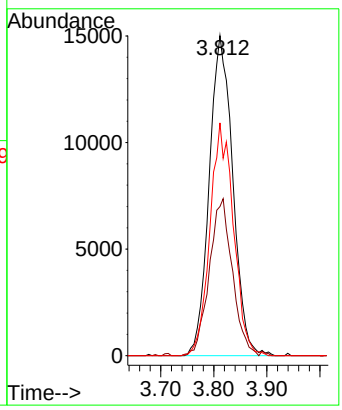


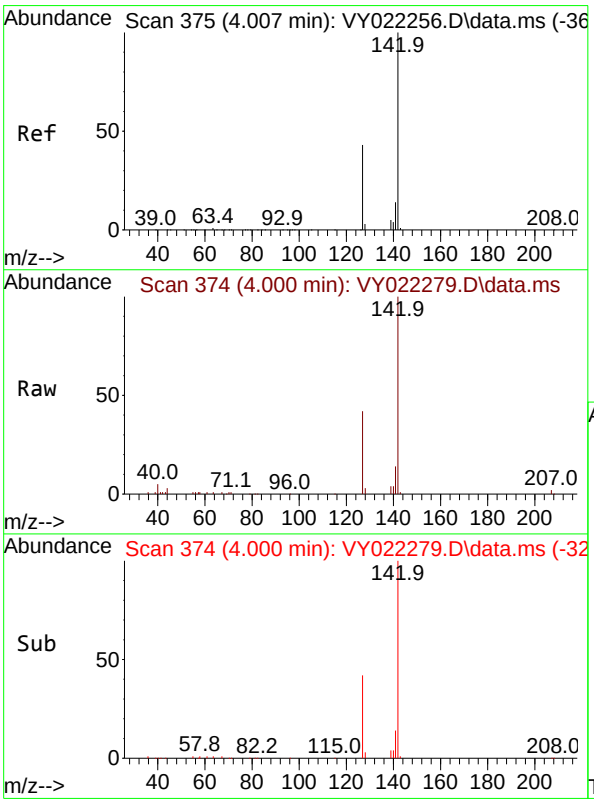
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.973 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:101 Resp: 46362

Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.6	58.0
151	72.7	59.7	89.5

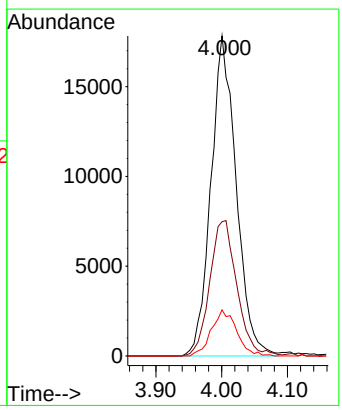


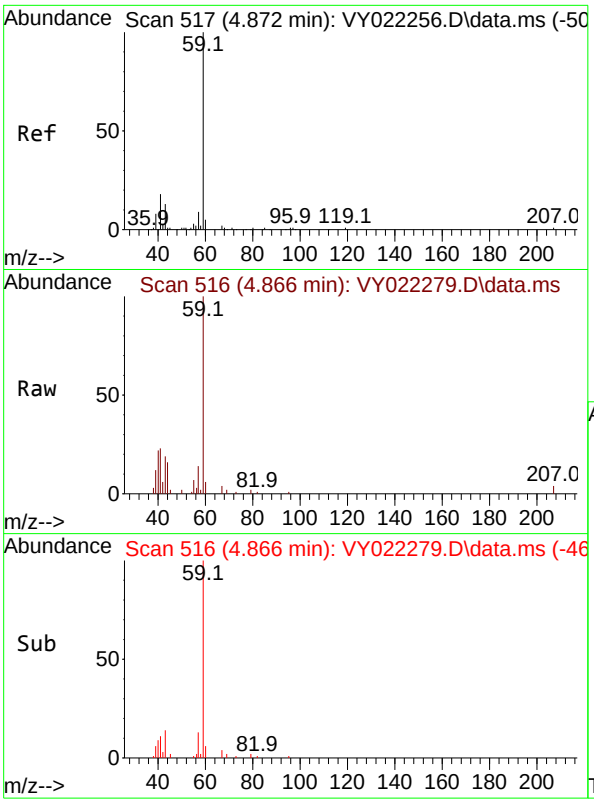


#10
Methyl Iodide
Concen: 18.640 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:142 Resp: 47690

Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.7	53.5
141	14.3	11.1	16.7



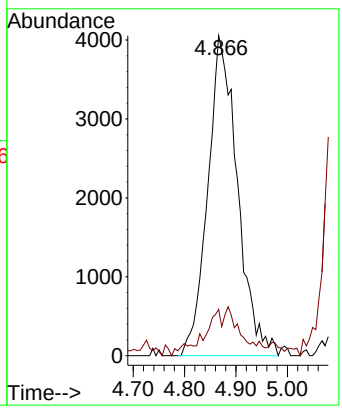


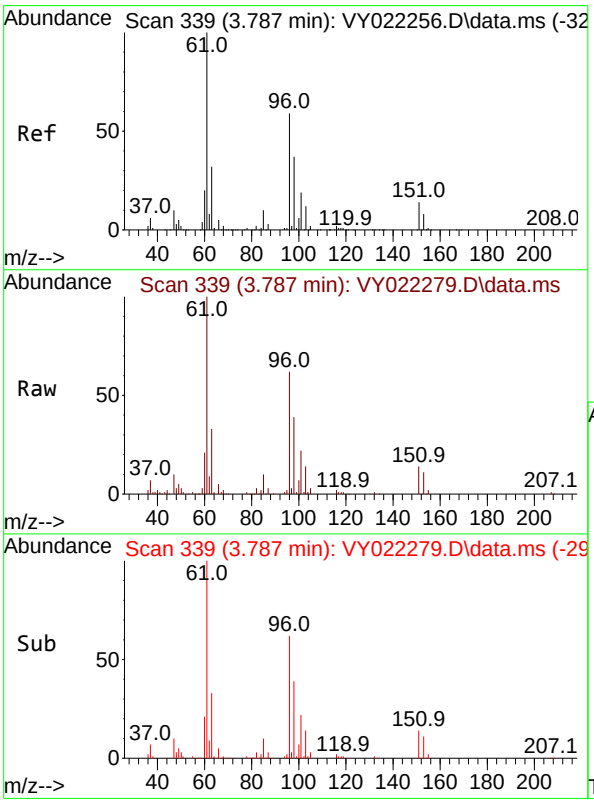
#11
Tert butyl alcohol
Concen: 94.950 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 59 Resp: 16251

Ion	Ratio	Lower	Upper
59	100		
57	5.8	0.0	0.0#

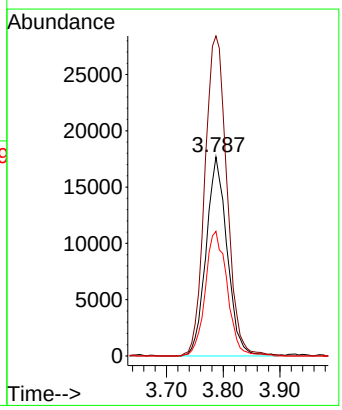


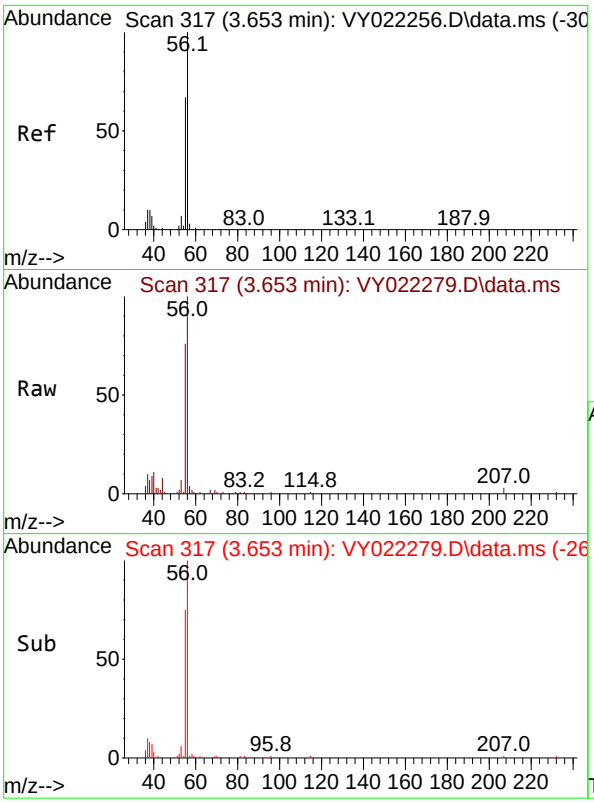


#12
1,1-Dichloroethene
Concen: 20.793 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 96 Resp: 45611

Ion	Ratio	Lower	Upper
96	100		
61	160.8	134.9	202.3
98	62.6	49.9	74.9



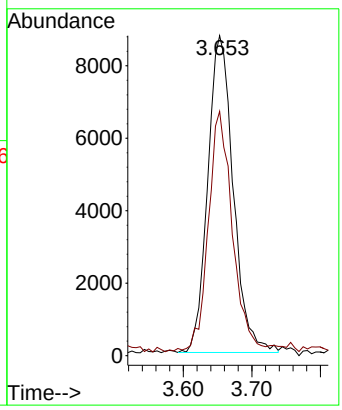


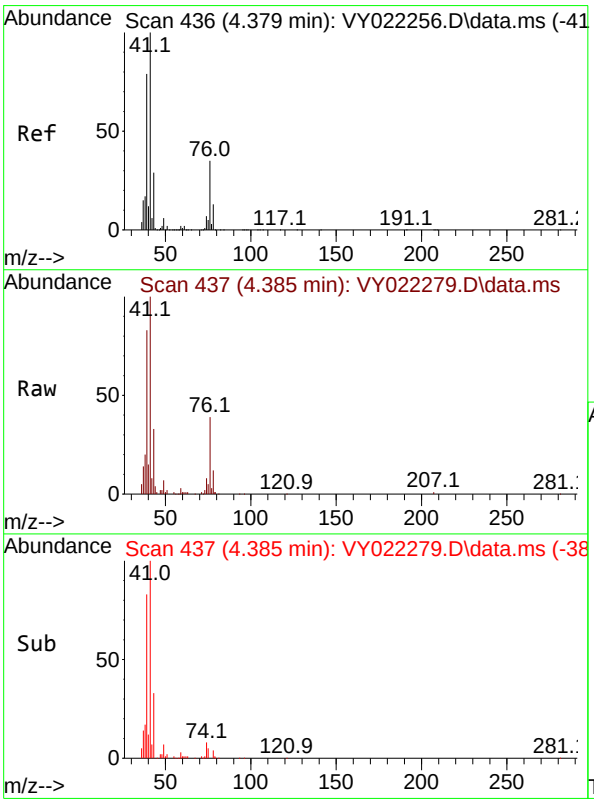
#13
Acrolein
Concen: 90.276 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 56 Resp: 22588

Ion	Ratio	Lower	Upper
56	100		
55	71.4	55.6	83.4

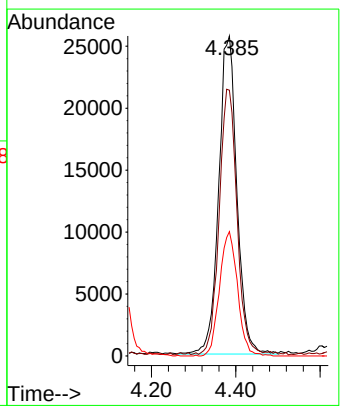


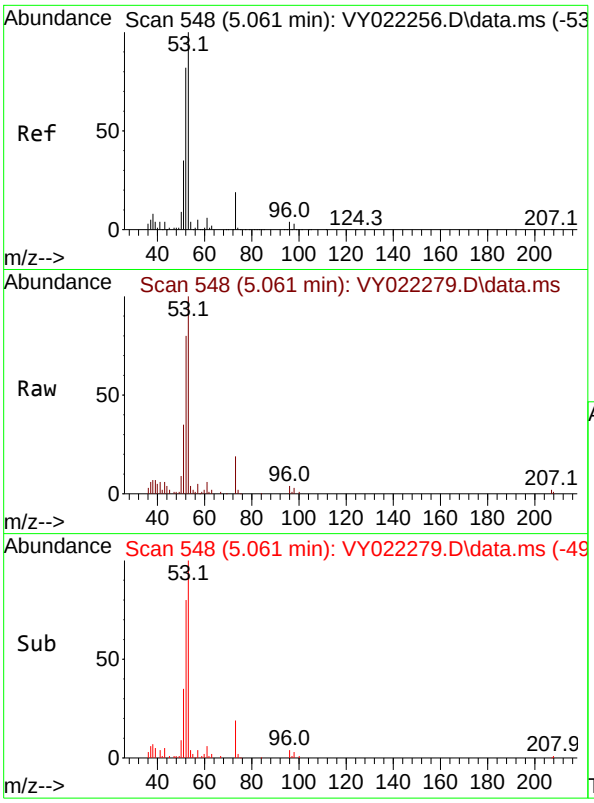


#14
Allyl chloride
Concen: 19.939 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 41 Resp: 76691

Ion	Ratio	Lower	Upper
41	100		
39	81.3	63.4	95.0
76	38.7	29.5	44.3



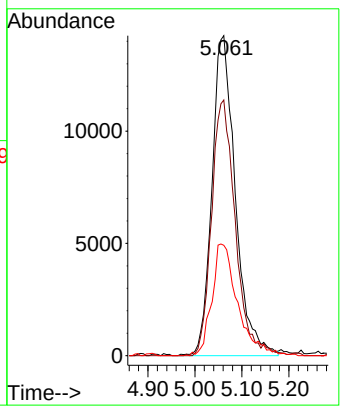


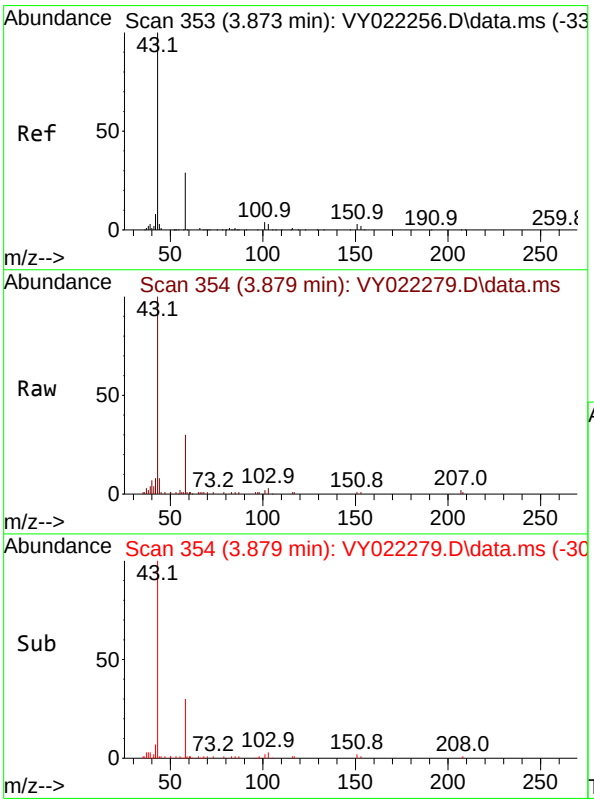
#15
Acrylonitrile
Concen: 97.735 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 53 Resp: 49210

Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	38.6	30.0	45.0

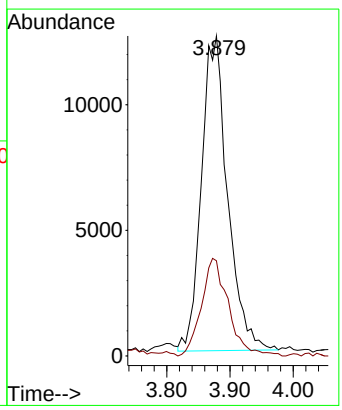


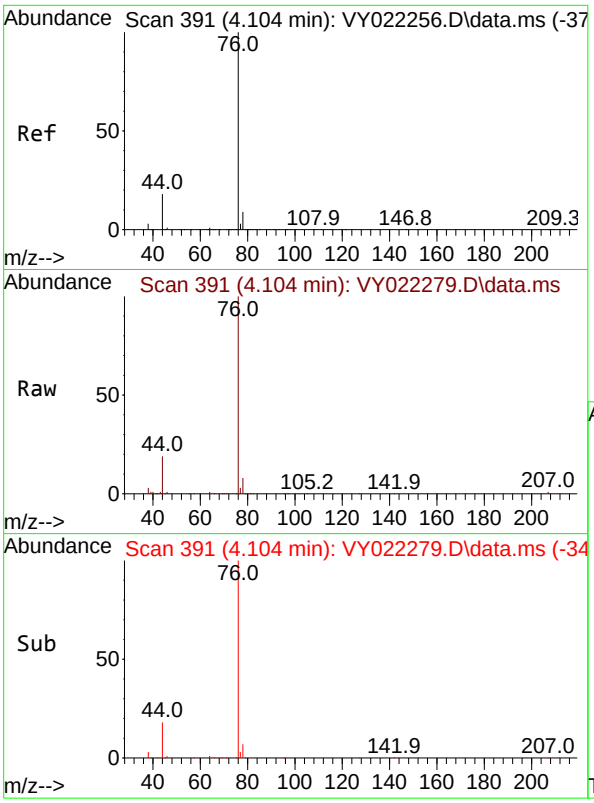


#16
Acetone
Concen: 85.545 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 35951

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.6	35.4



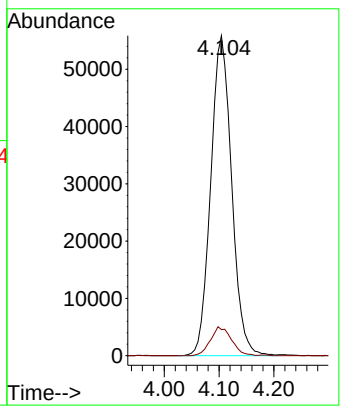


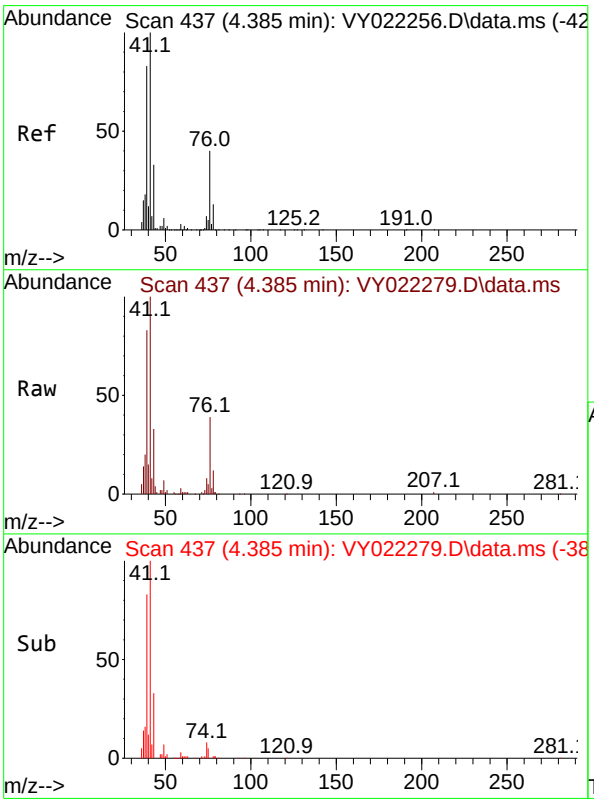
#17
Carbon Disulfide
Concen: 20.702 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 76 Resp: 148086

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8

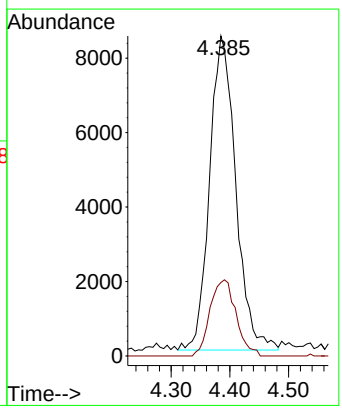


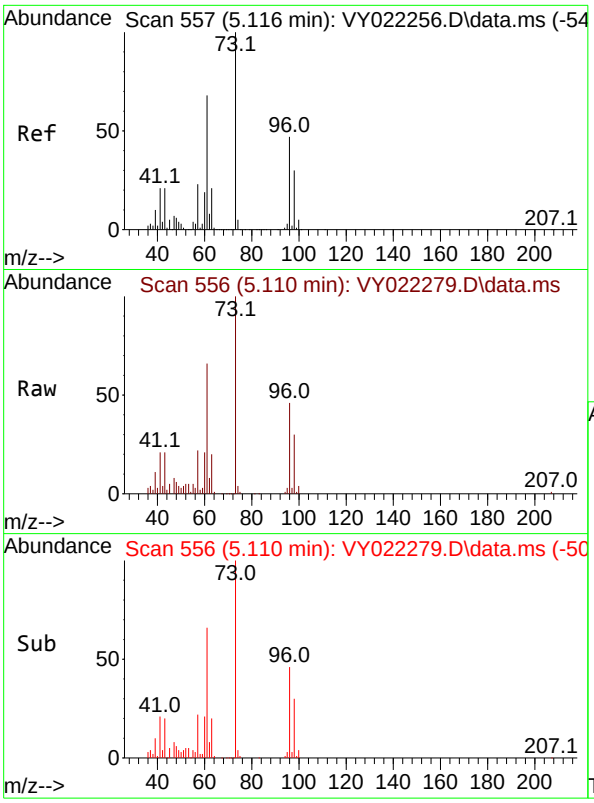


#18
Methyl Acetate
Concen: 19.757 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 26179

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.2	27.4



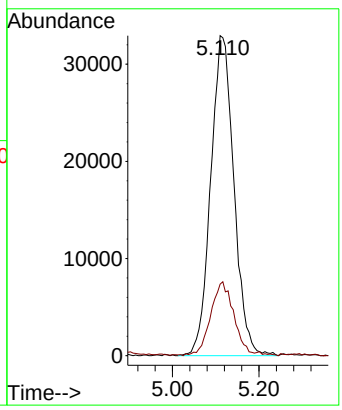


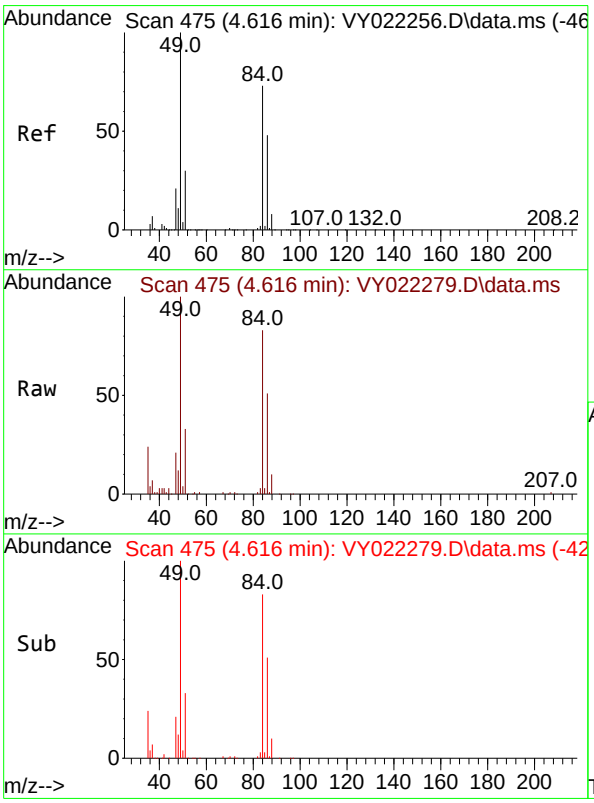
#19
Methyl tert-butyl Ether
Concen: 20.286 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 73 Resp: 122697

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	28.0

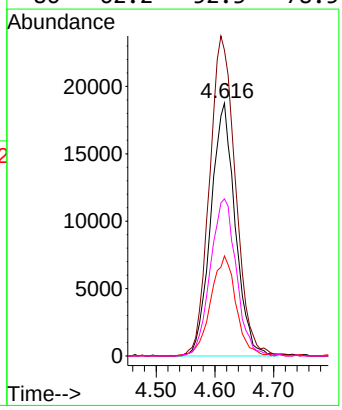


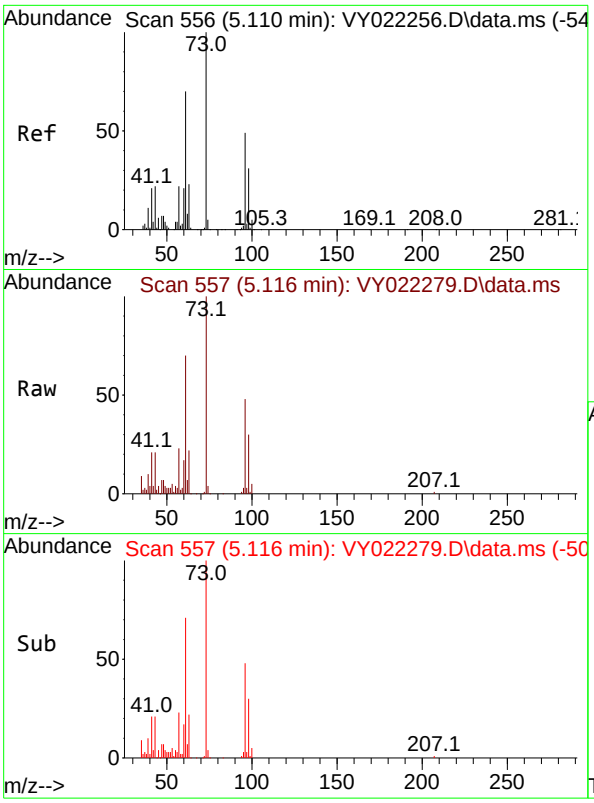


#20
Methylene Chloride
Concen: 19.987 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 84 Resp: 54277

Ion	Ratio	Lower	Upper
84	100		
49	120.7	109.6	164.4
51	39.3	32.4	48.6
86	62.2	52.3	78.5



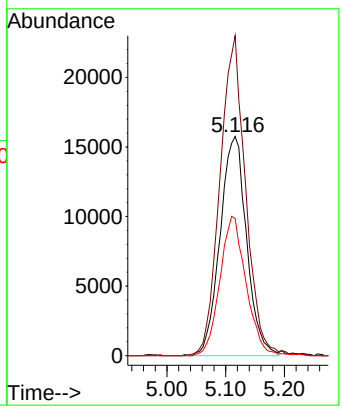


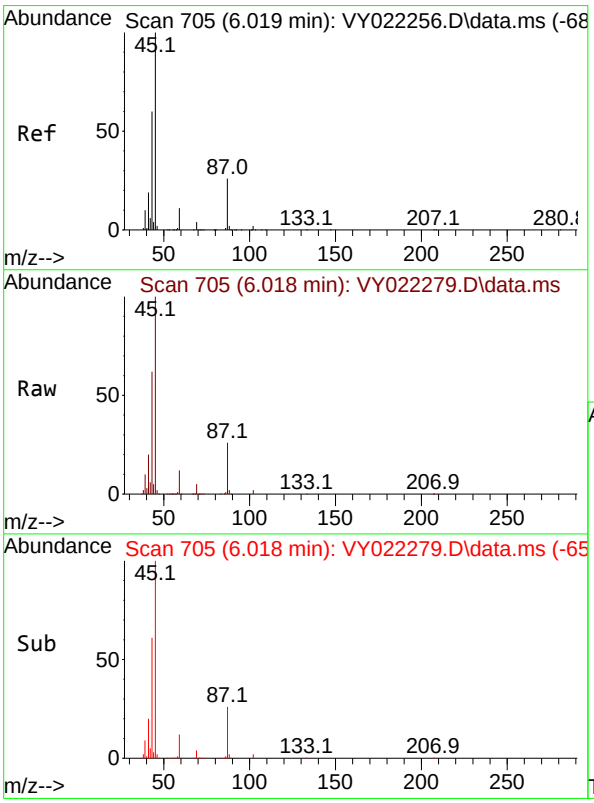
#21
trans-1,2-Dichloroethene
Concen: 20.457 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 96 Resp: 49533

Ion	Ratio	Lower	Upper
96	100		
61	146.0	113.4	170.0
98	62.6	50.9	76.3

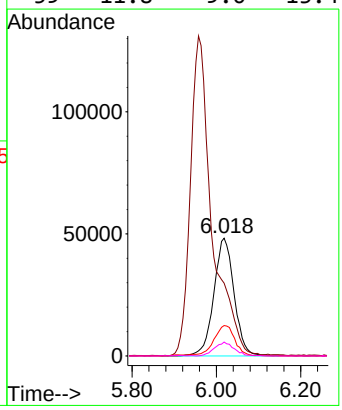


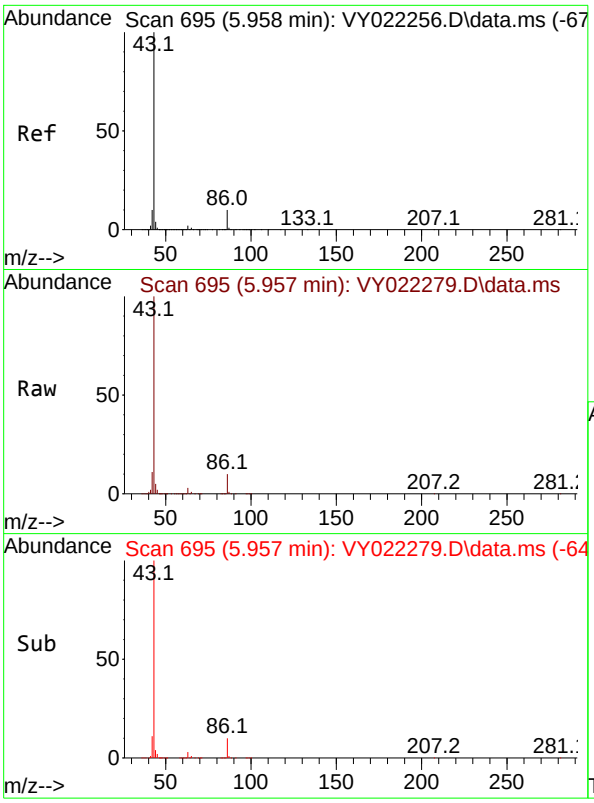


#22
Diisopropyl ether
Concen: 19.788 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 45 Resp: 160728

Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.2	72.2
87	25.7	21.4	32.0
59	11.8	9.0	13.4



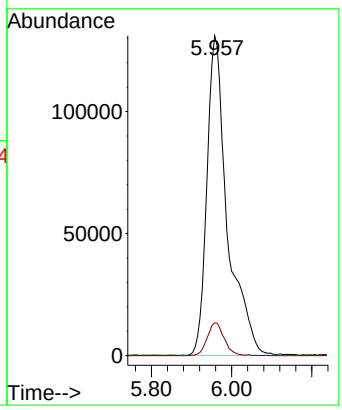


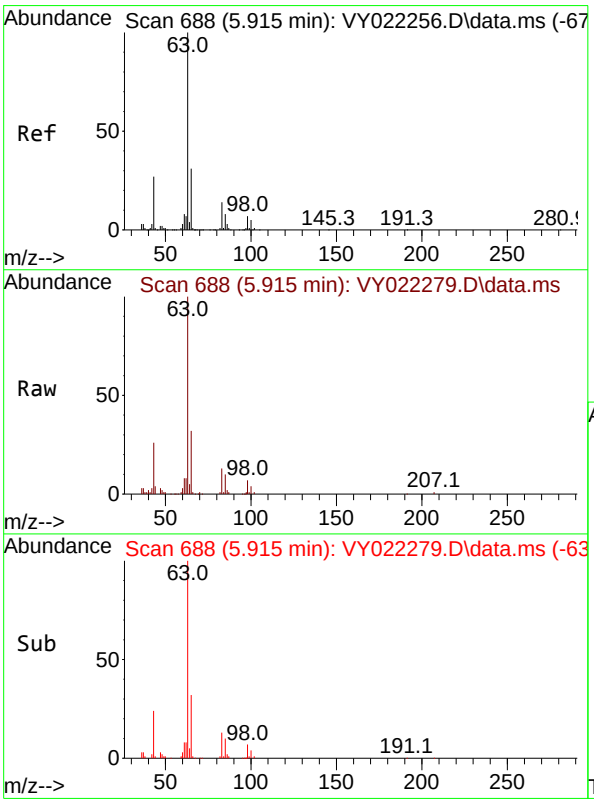
#23
Vinyl Acetate
Concen: 94.709 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 464752

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

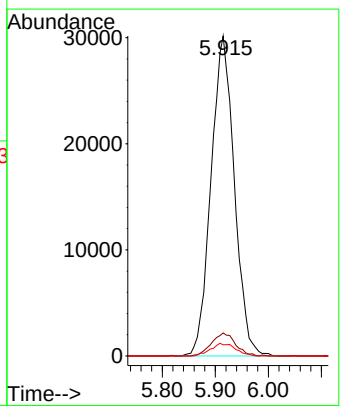


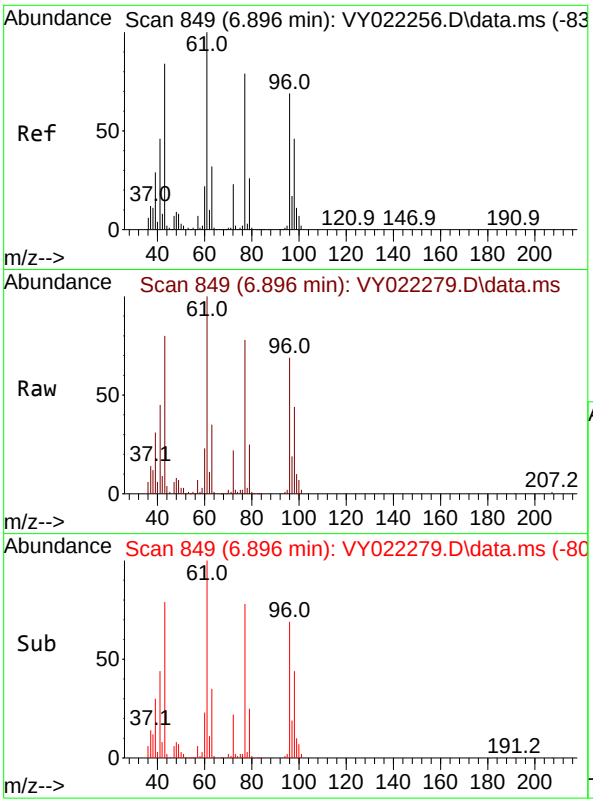


#24
1,1-Dichloroethane
Concen: 20.290 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 63 Resp: 92075

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	3.5	2.4	7.2



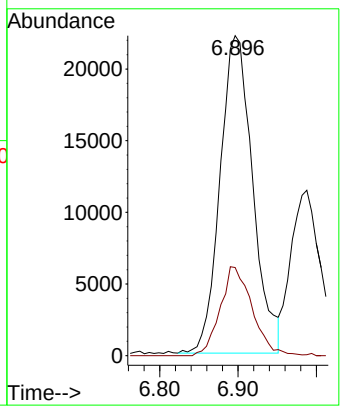


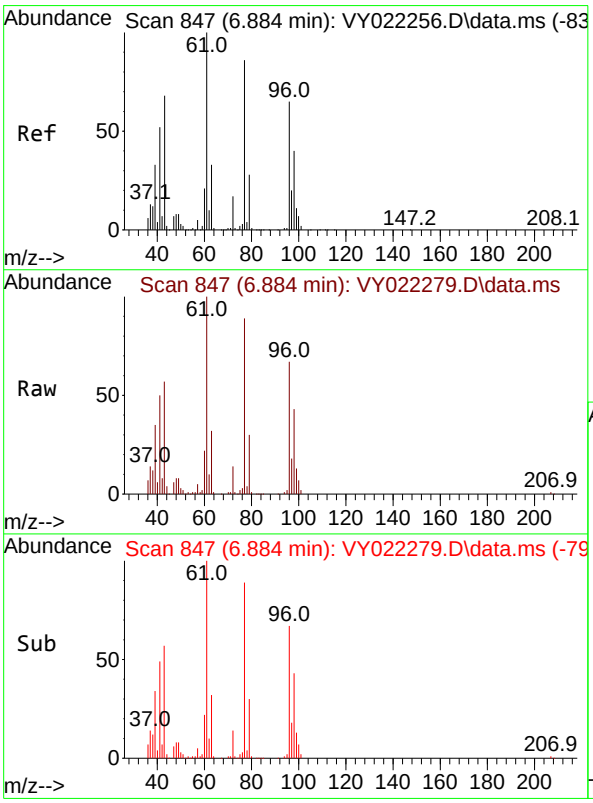
#25
2-Butanone
Concen: 91.546 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 64354

Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.1	33.1

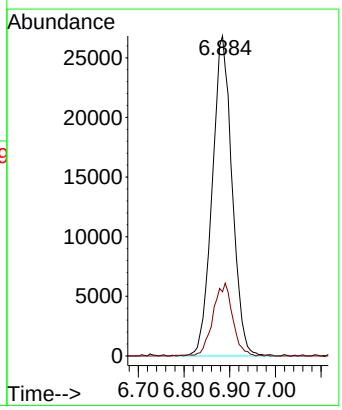


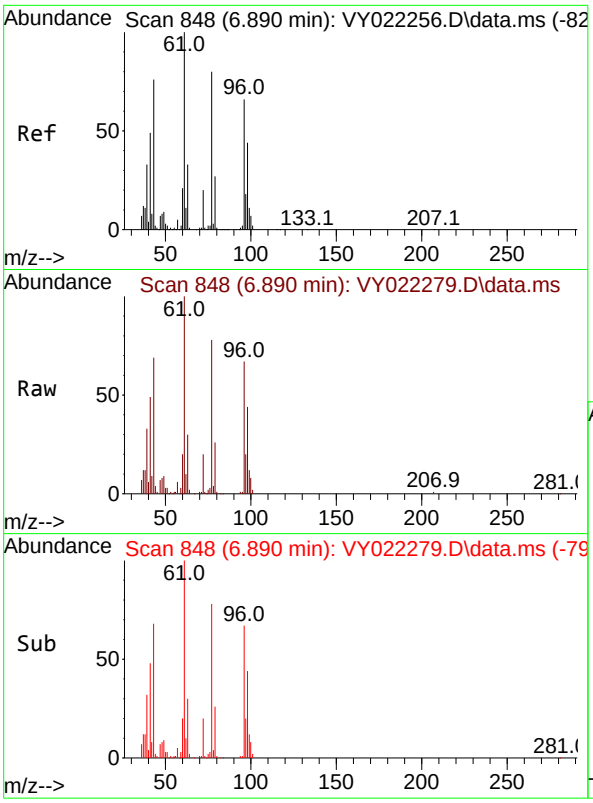


#26
2,2-Dichloropropane
Concen: 20.039 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 77 Resp: 80883

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5



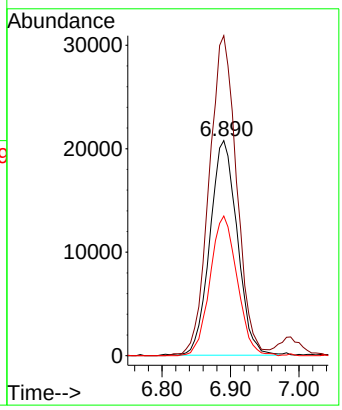


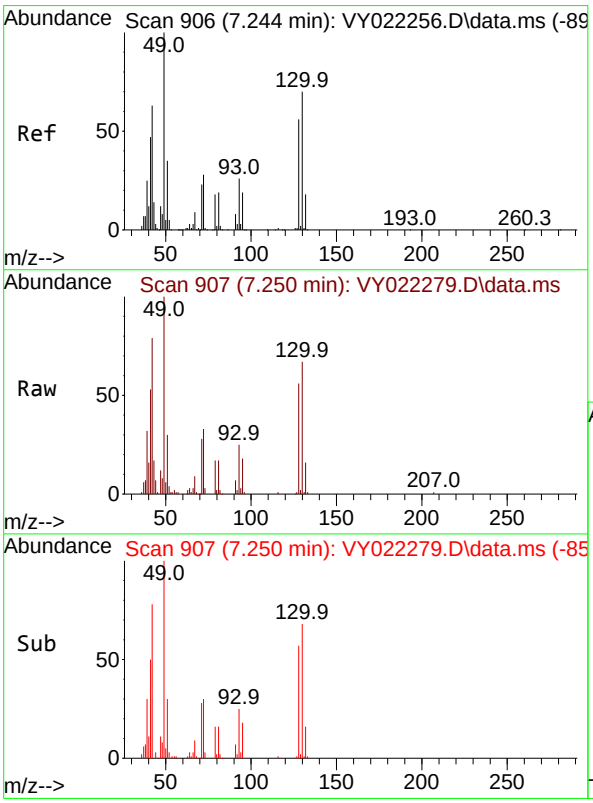
#27
cis-1,2-Dichloroethene
Concen: 20.572 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 96 Resp: 57480

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	302.6
98	64.6	0.0	128.8

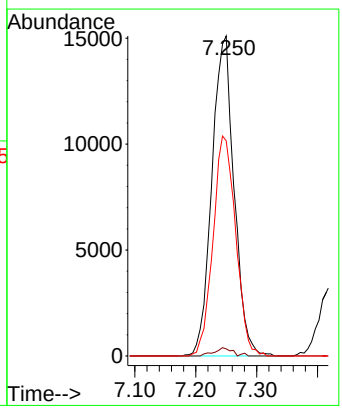


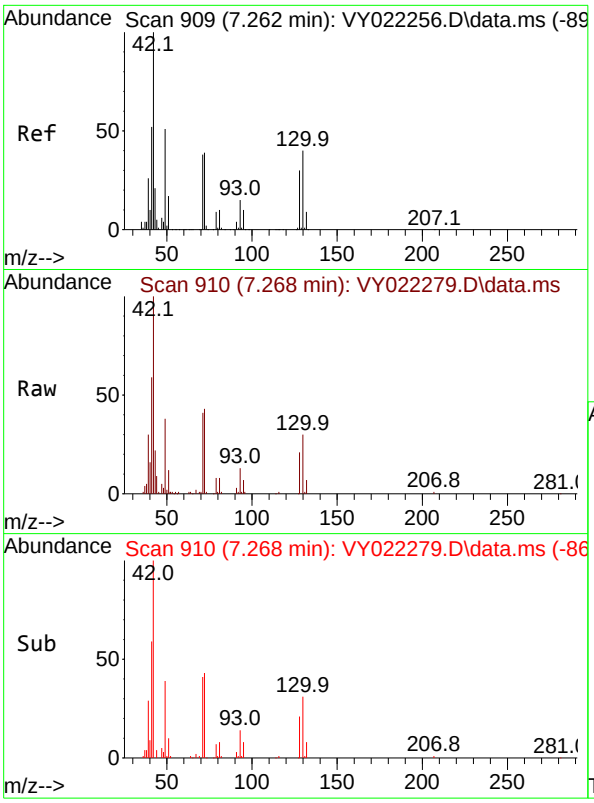


#28
Bromochloromethane
Concen: 19.722 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 49 Resp: 38175

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	70.3	54.7	82.1



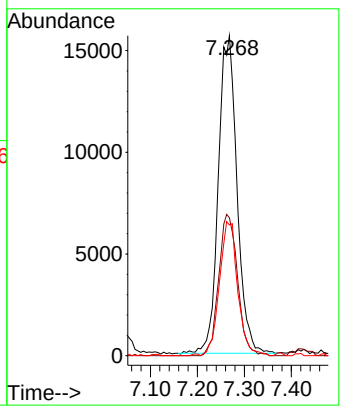


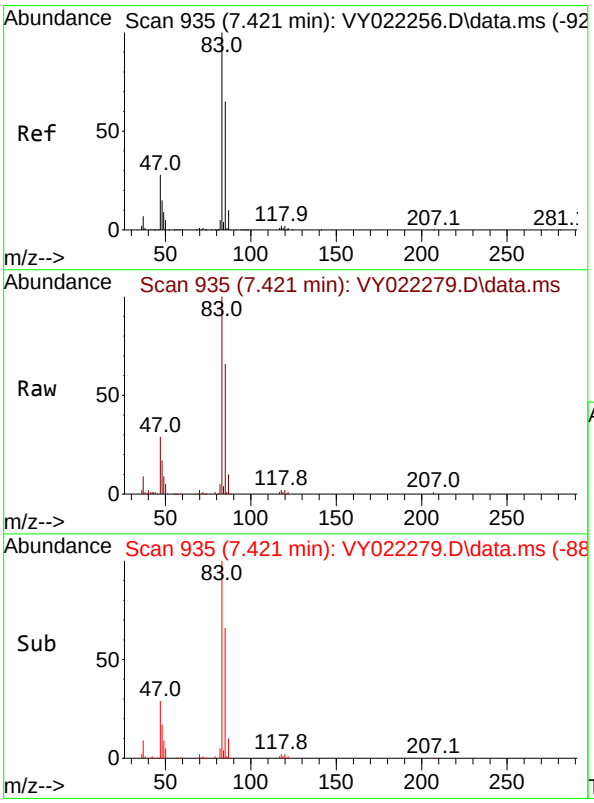
#29
Tetrahydrofuran
Concen: 95.450 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 42 Resp: 43168

Ion	Ratio	Lower	Upper
42	100		
72	44.9	33.8	50.6
71	41.4	31.5	47.3

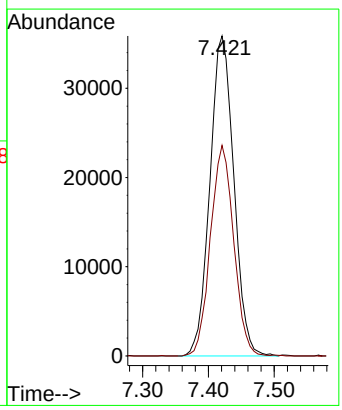


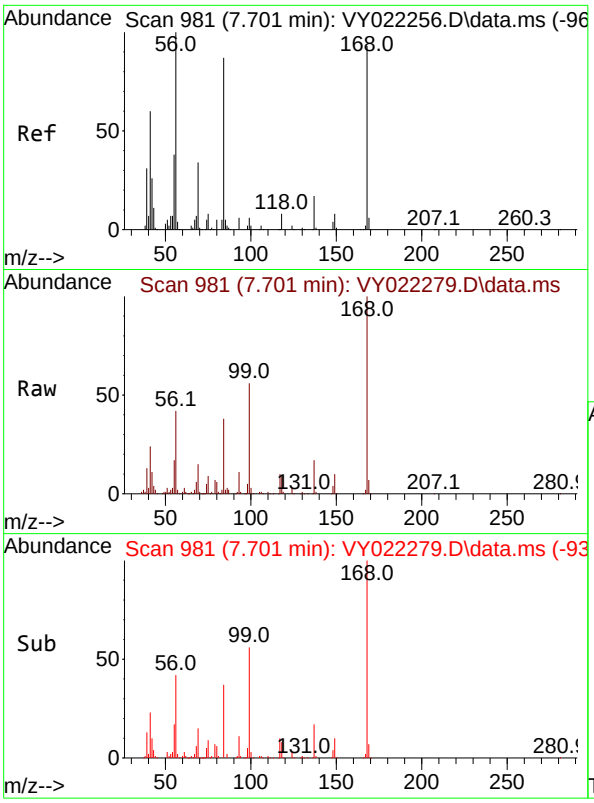


#30
Chloroform
Concen: 20.889 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 83 Resp: 90925

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8



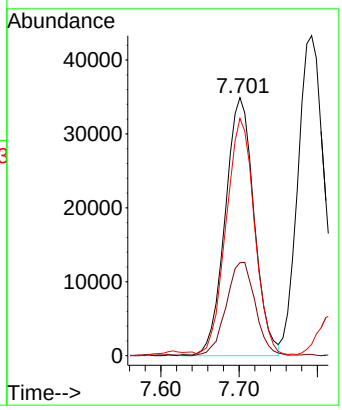


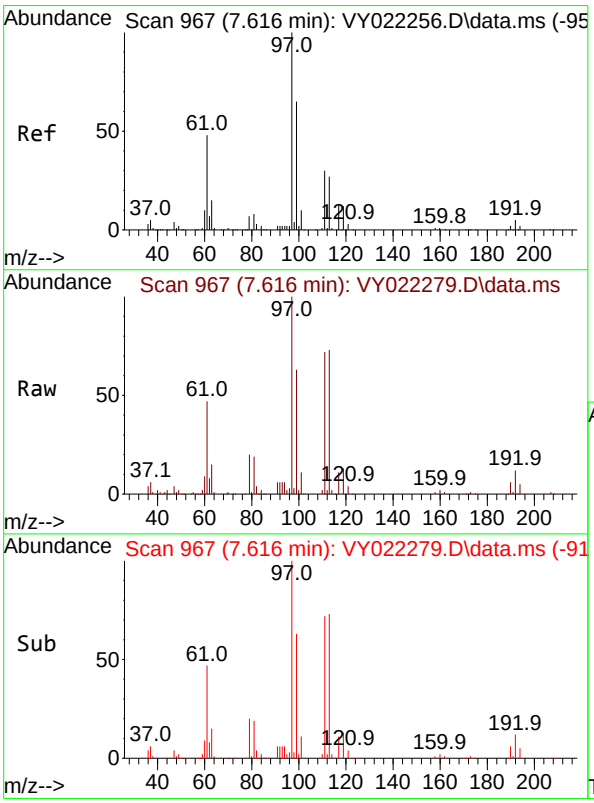
#31
Cyclohexane
Concen: 19.756 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 56 Resp: 89576

Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.4	41.2
84	90.5	70.0	105.0

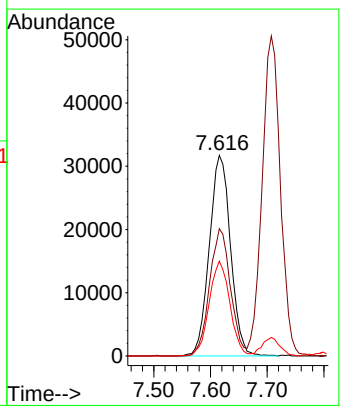


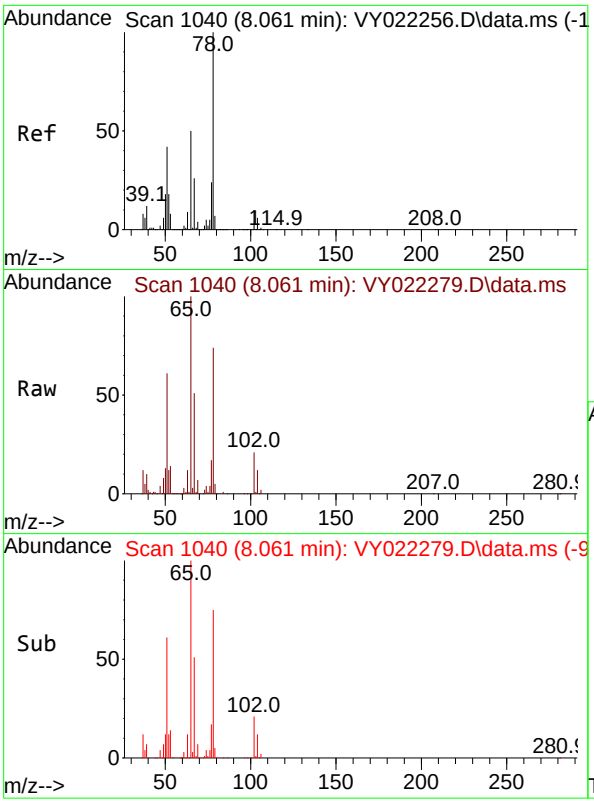


#32
1,1,1-Trichloroethane
Concen: 20.641 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 97 Resp: 82428

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	46.2	38.1	57.1



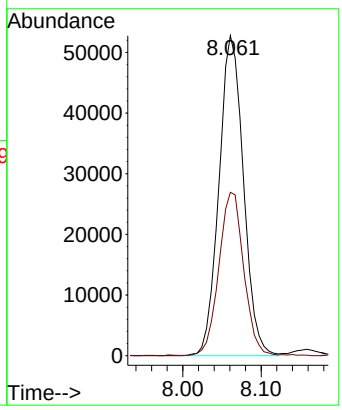


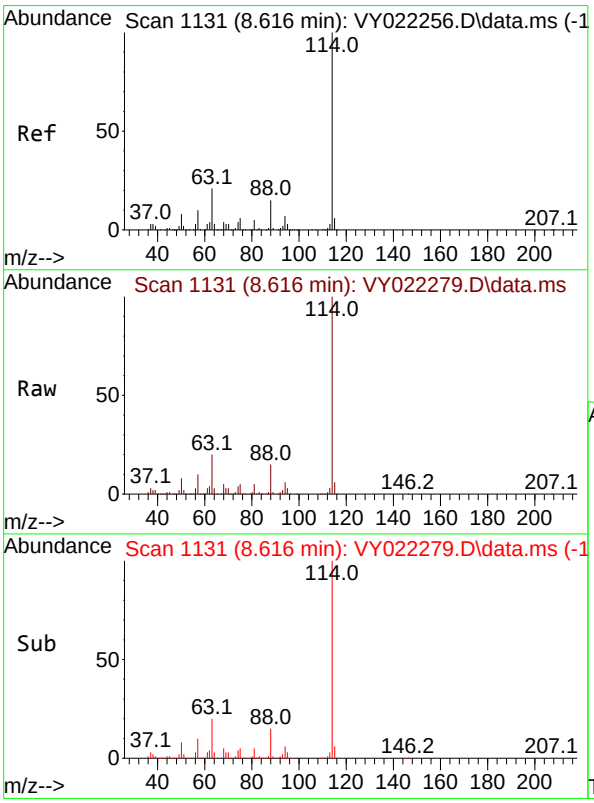
#33
1,2-Dichloroethane-d4
Concen: 51.121 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 65 Resp: 114577

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6

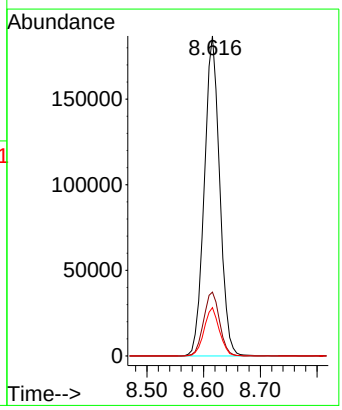


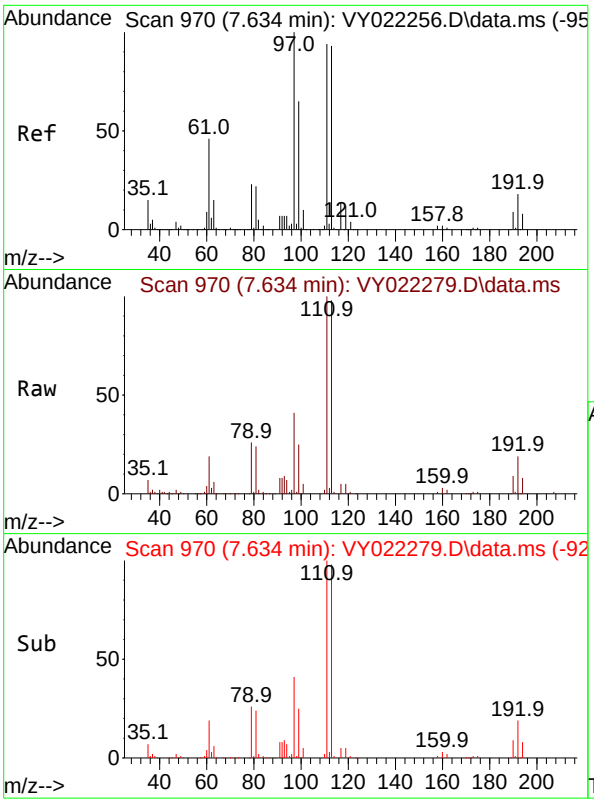


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:114 Resp: 351708

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.0
88	15.1	0.0	29.4



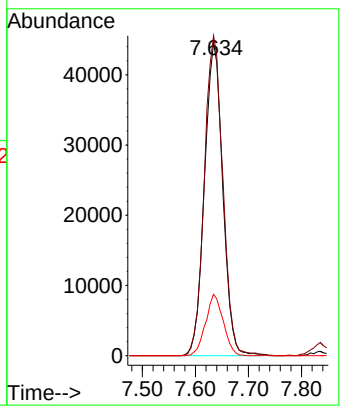


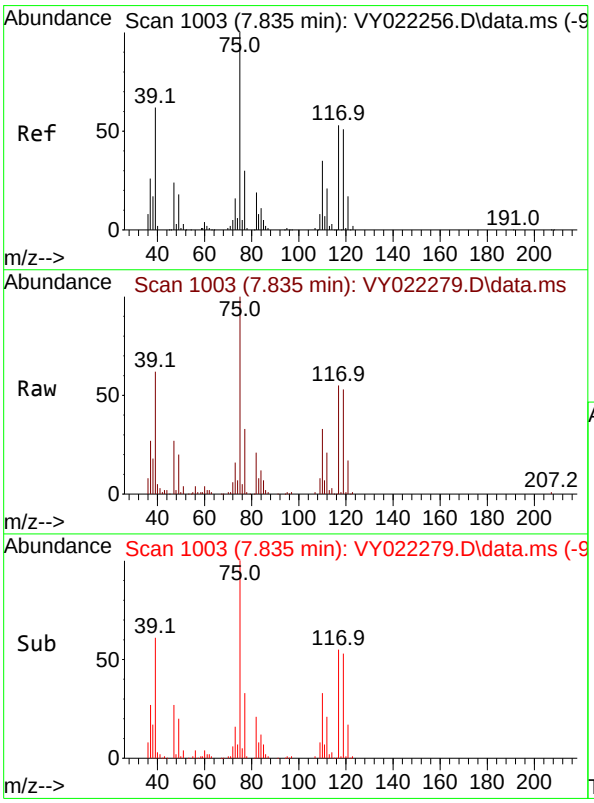
#35
Dibromofluoromethane
Concen: 50.809 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:113 Resp: 106659

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.0	15.2	22.8

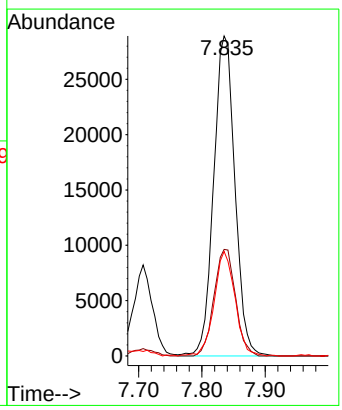


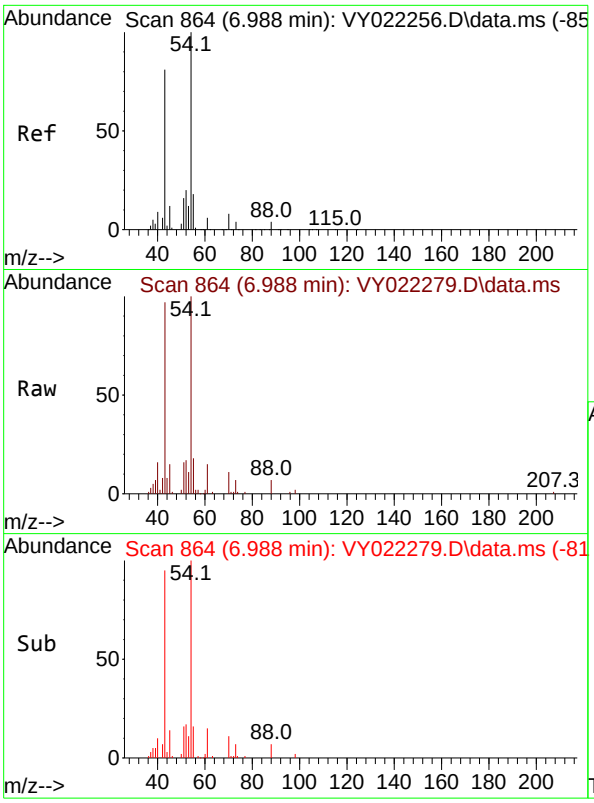


#36
1,1-Dichloropropene
Concen: 19.498 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 67416

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.6	49.8
77	32.0	24.6	37.0



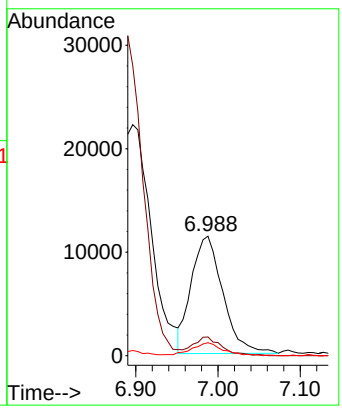


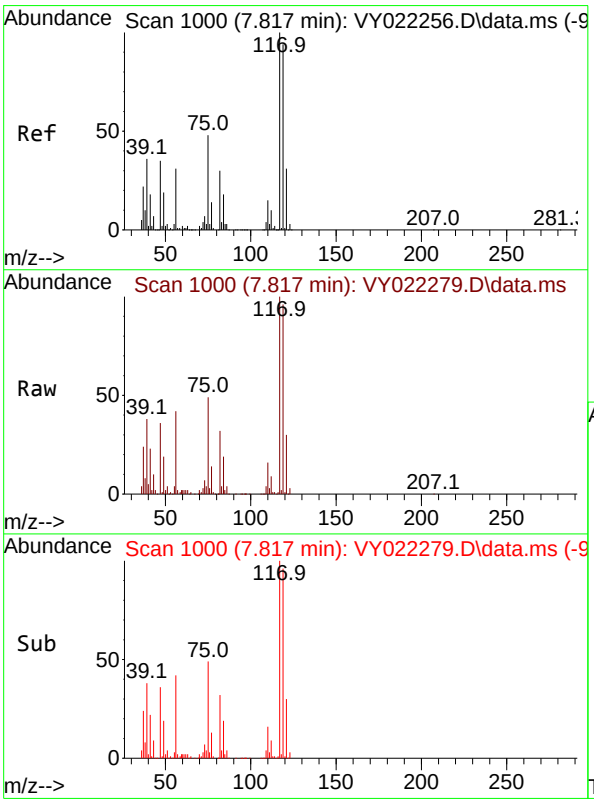
#37
Ethyl Acetate
Concen: 18.206 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 30289

Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.2	15.2
70	10.9	7.6	11.4

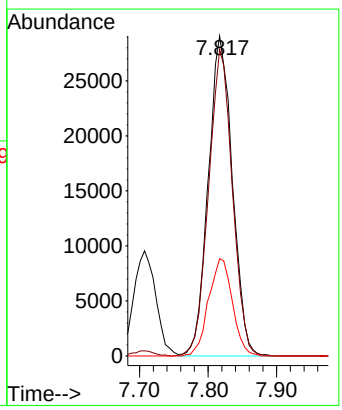


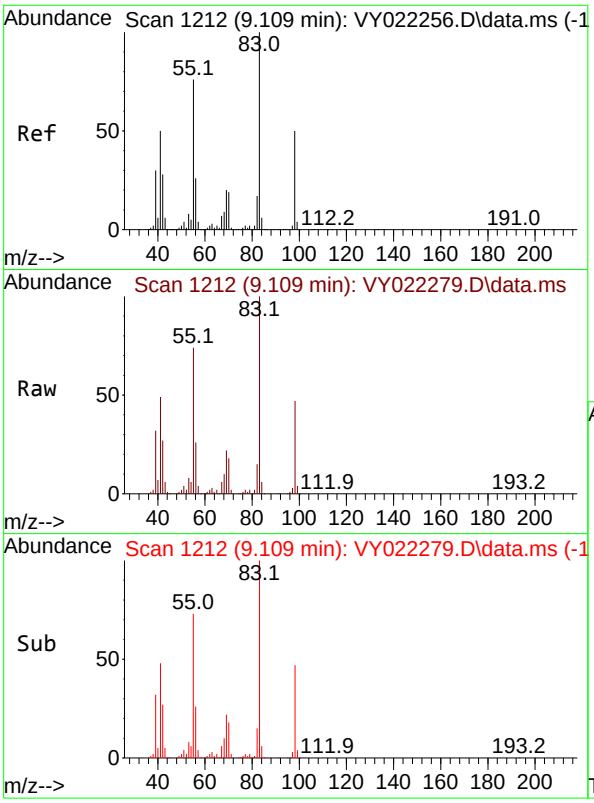


#38
Carbon Tetrachloride
Concen: 19.833 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 70982

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	30.4	24.7	37.1



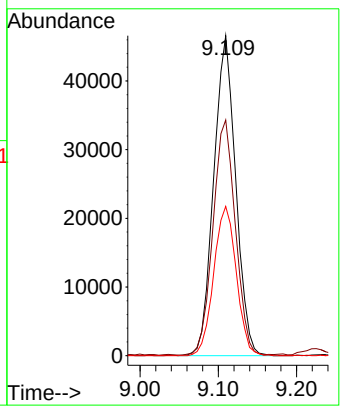


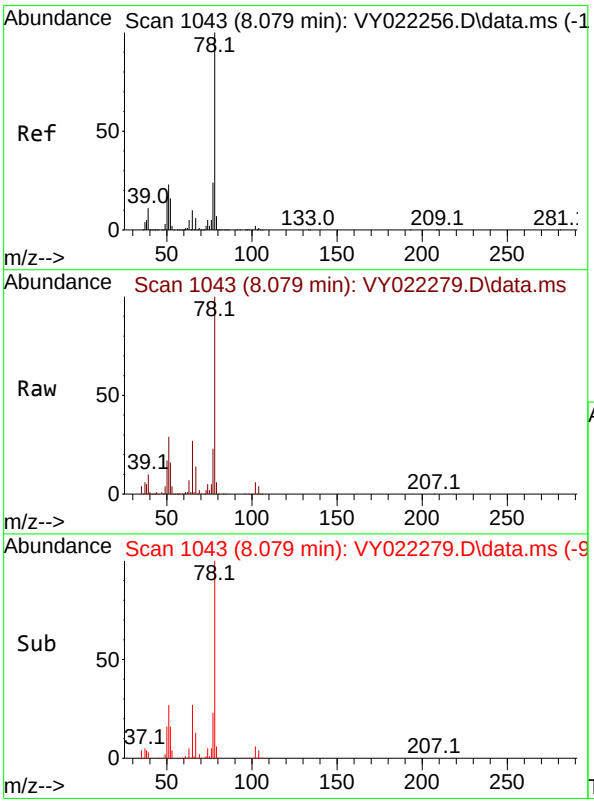
#39
Methylcyclohexane
Concen: 19.583 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 83 Resp: 90967

Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.6	90.8
98	46.6	40.0	60.0

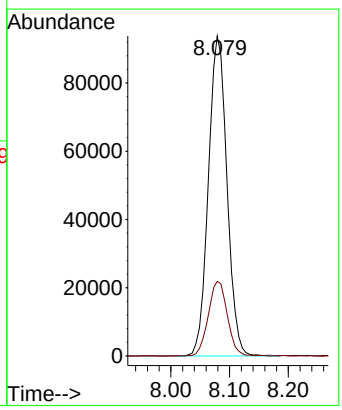


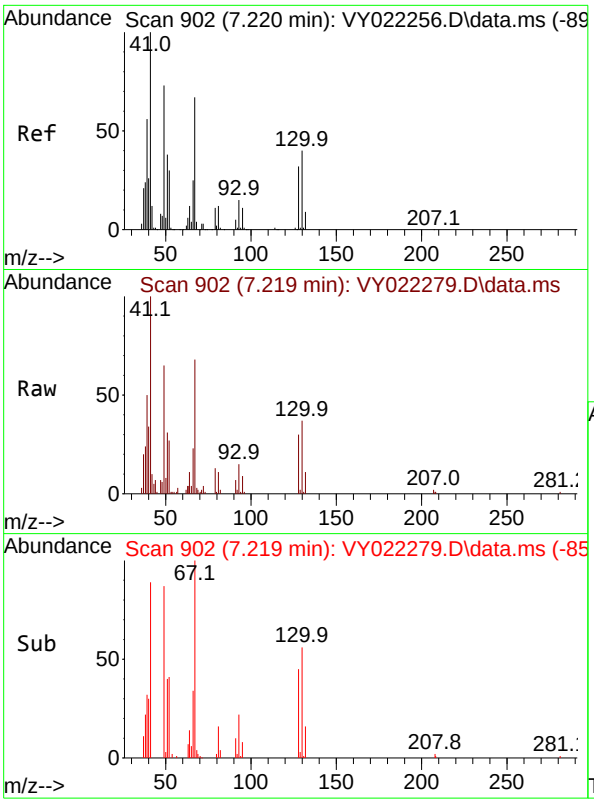


#40
Benzene
Concen: 20.100 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 78 Resp: 206032

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3



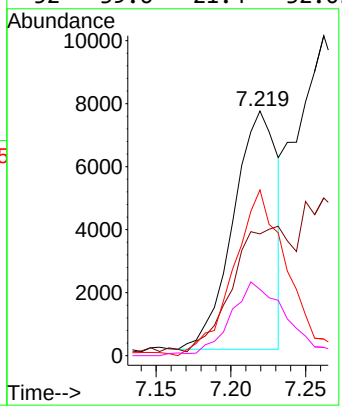


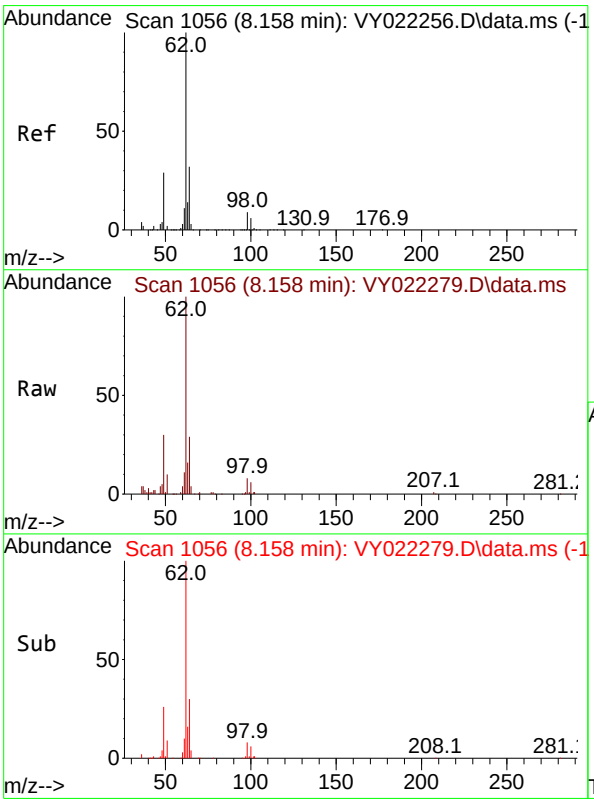
#41
Methacrylonitrile
Concen: 14.016 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 41 Resp: 15467

Ion	Ratio	Lower	Upper
41	100		
39	71.9	39.1	58.7#
67	86.2	47.1	70.7#
52	39.6	21.4	32.0#

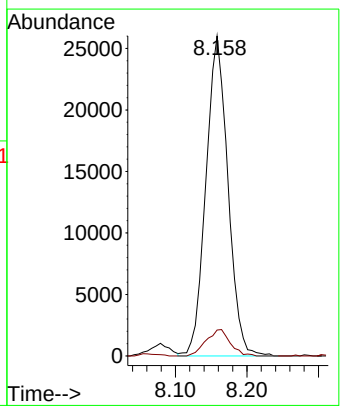


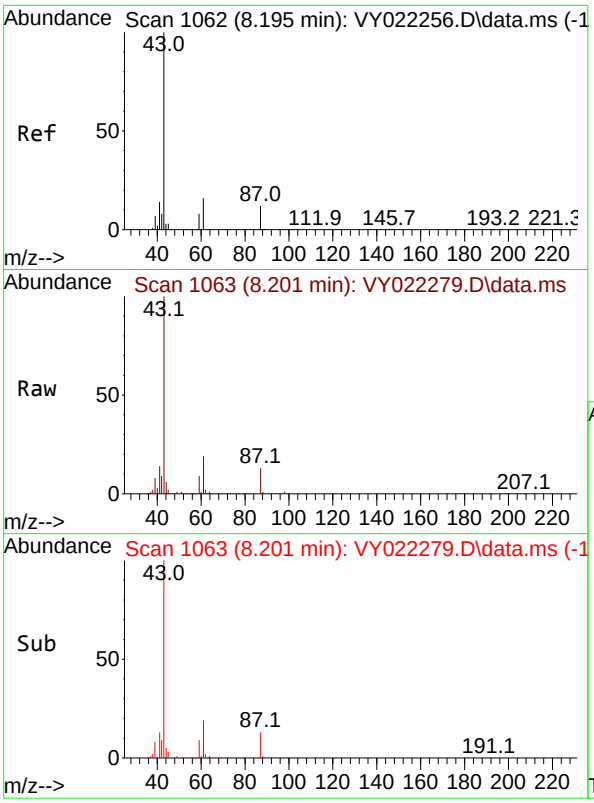


#42
1,2-Dichloroethane
Concen: 20.081 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 62 Resp: 55663

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



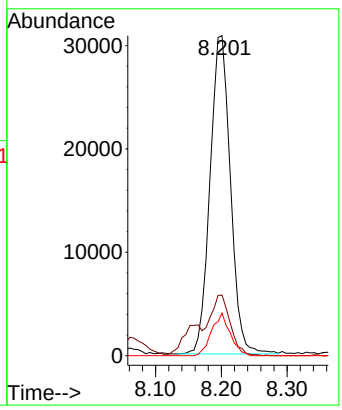


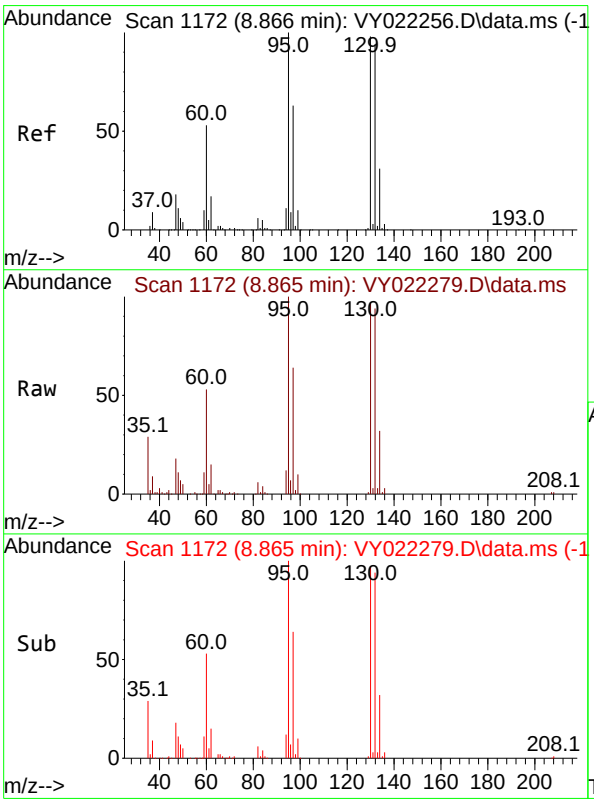
#43
Isopropyl Acetate
Concen: 18.350 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 66577

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	12.1	9.7	14.5

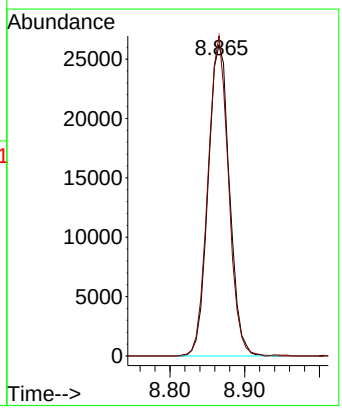


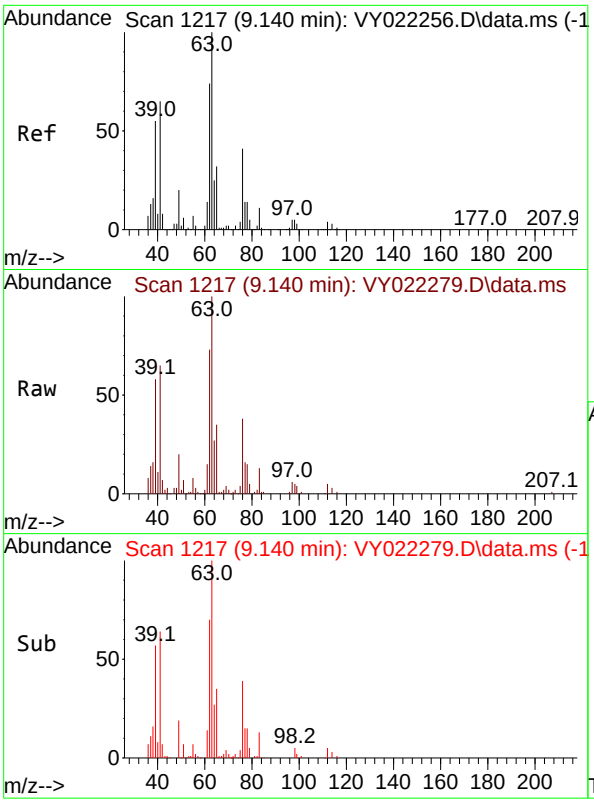


#44
Trichloroethene
Concen: 20.403 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:130 Resp: 52001

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	204.8



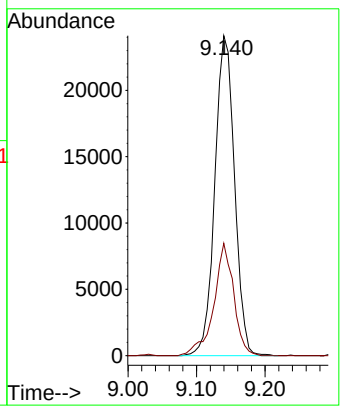


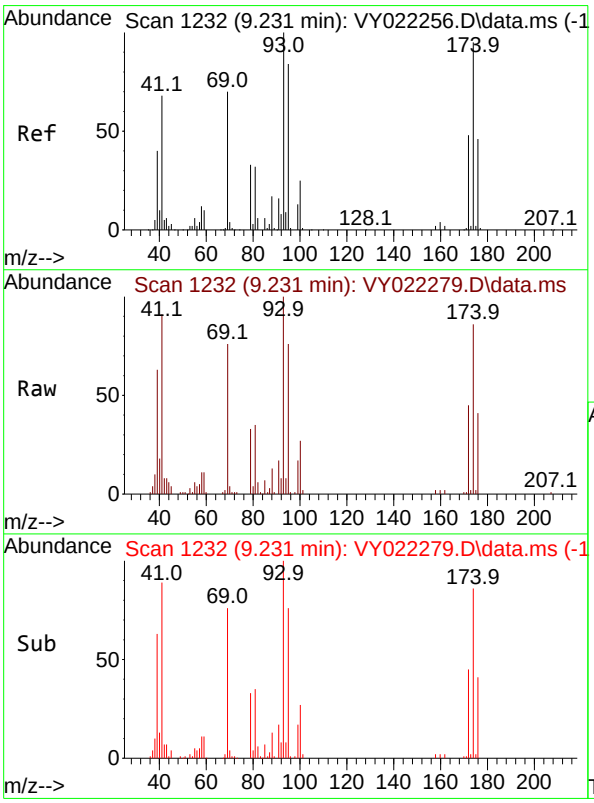
#45
1,2-Dichloropropane
Concen: 19.433 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 63 Resp: 48024

Ion	Ratio	Lower	Upper
63	100		
65	35.1	25.7	38.5

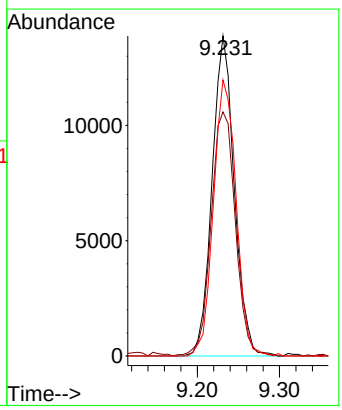


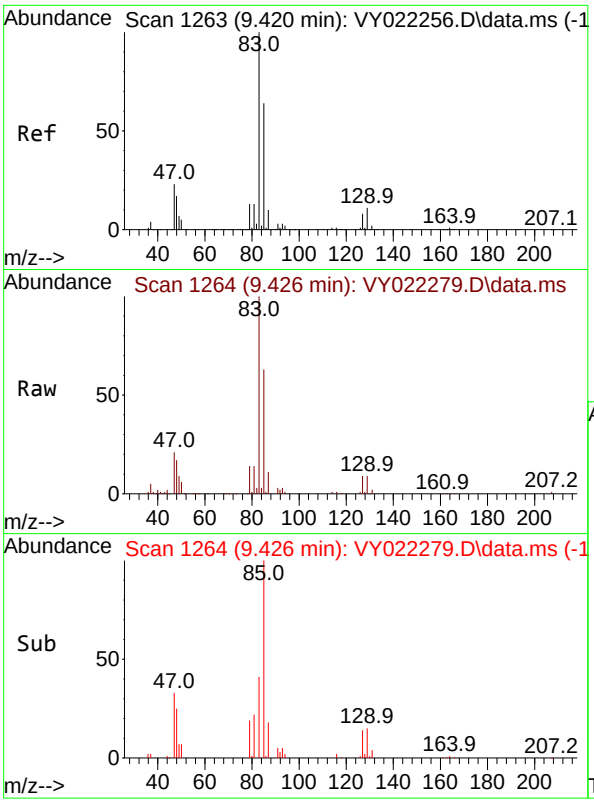


#46
Dibromomethane
Concen: 19.529 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 93 Resp: 26030

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.2	97.8
174	88.1	74.3	111.5



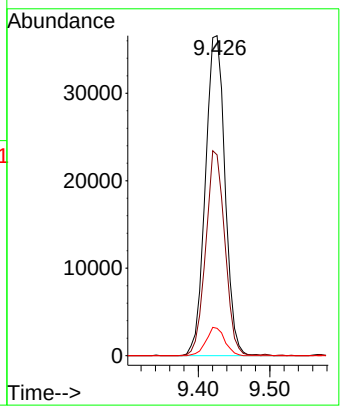


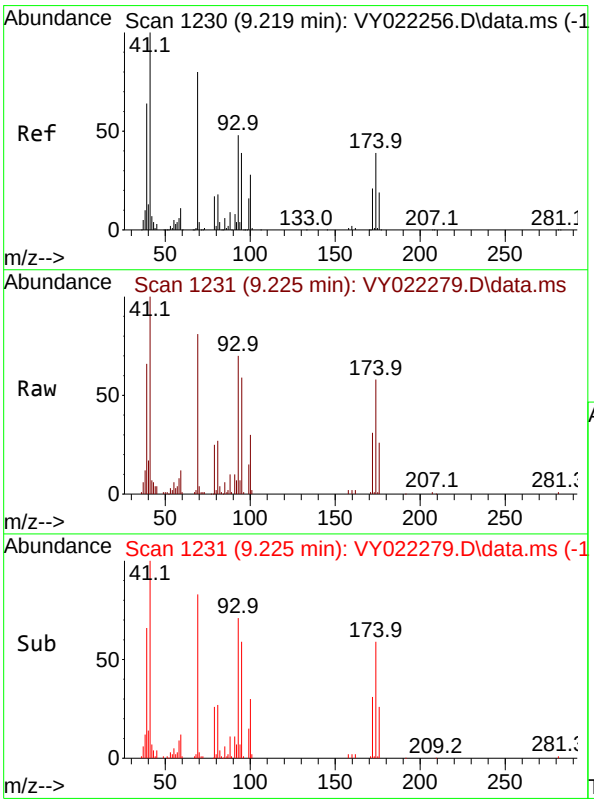
#47
Bromodichloromethane
Concen: 20.153 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 83 Resp: 69687

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	8.6	6.6	10.0

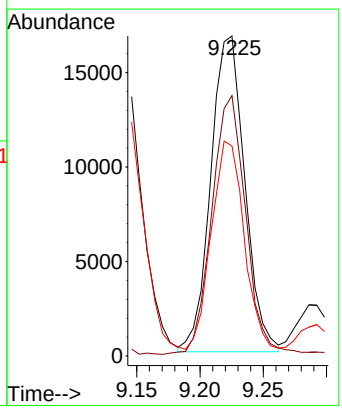


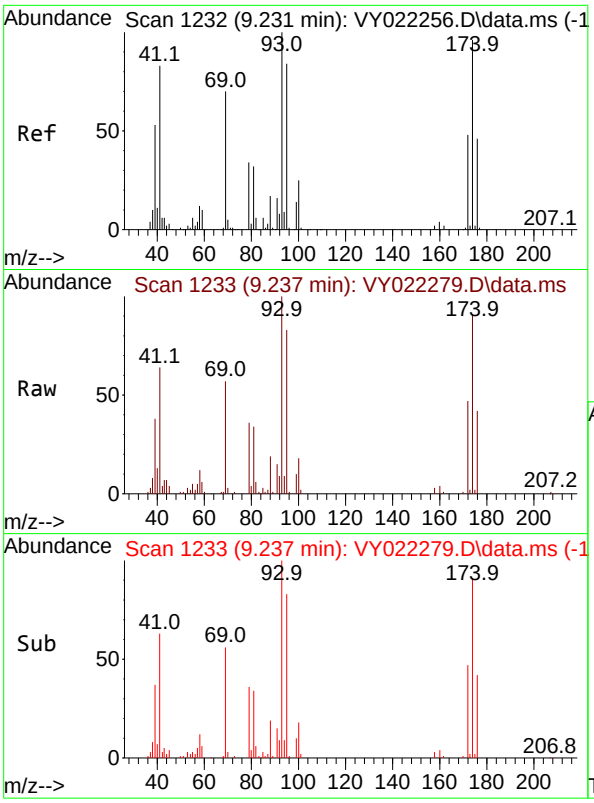


#48
Methyl methacrylate
Concen: 18.429 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 41 Resp: 31270

Ion	Ratio	Lower	Upper
41	100		
69	81.4	63.5	95.3
39	63.7	50.8	76.2



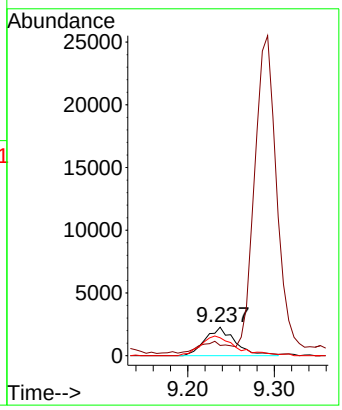


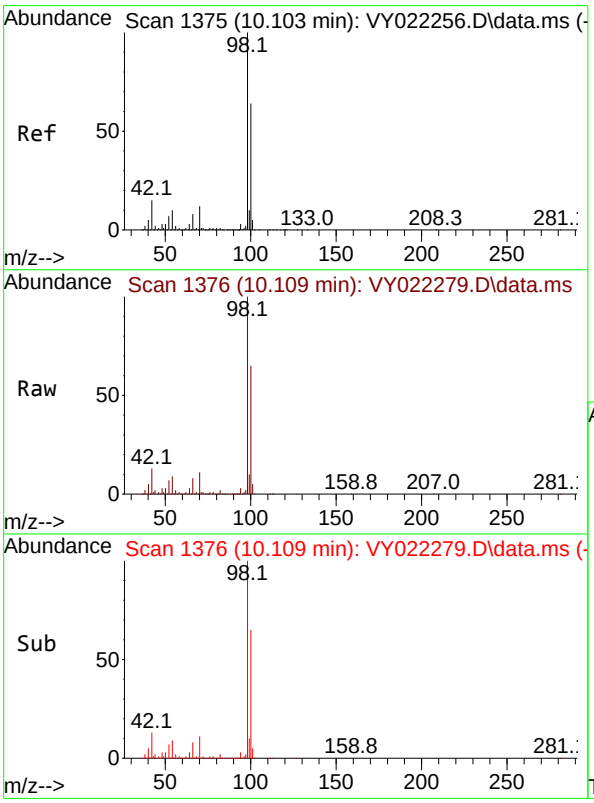
#49
1,4-Dioxane
Concen: 361.945 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 88 Resp: 5450

Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.5	42.7
58	82.6	61.4	92.2

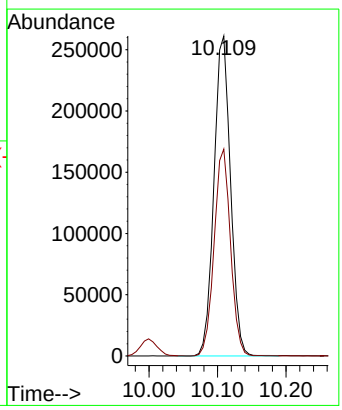


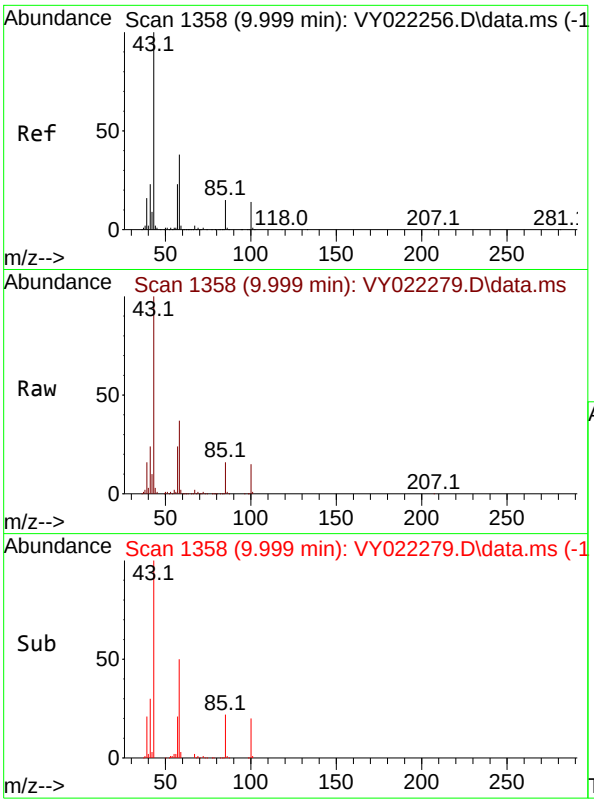


#50
Toluene-d8
Concen: 50.903 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 98 Resp: 437632

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8



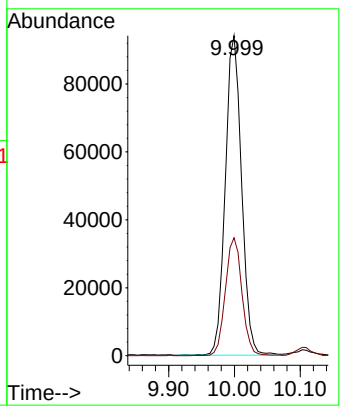


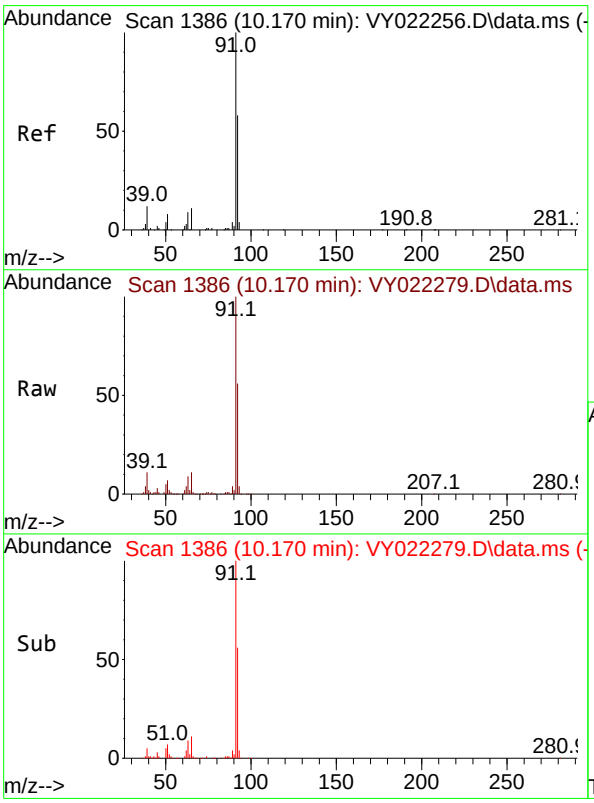
#51
4-Methyl-2-Pentanone
Concen: 90.873 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 161776

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.4	44.2

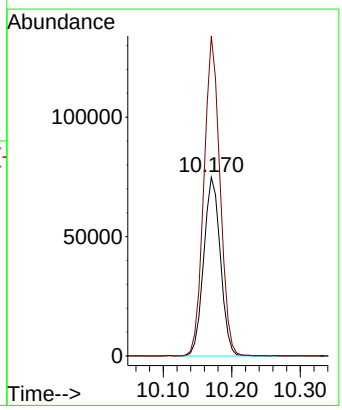


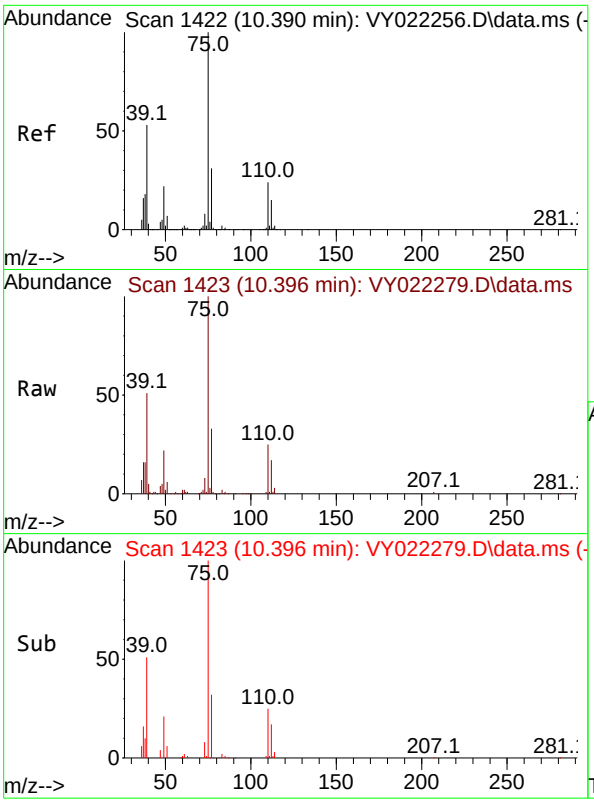


#52
Toluene
Concen: 19.501 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 92 Resp: 126577

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.1	208.7



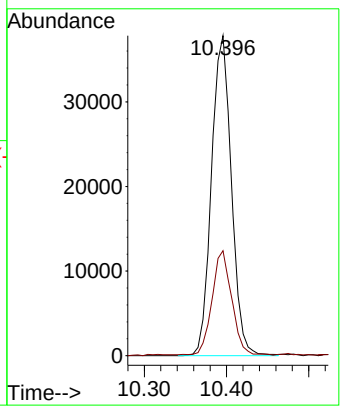


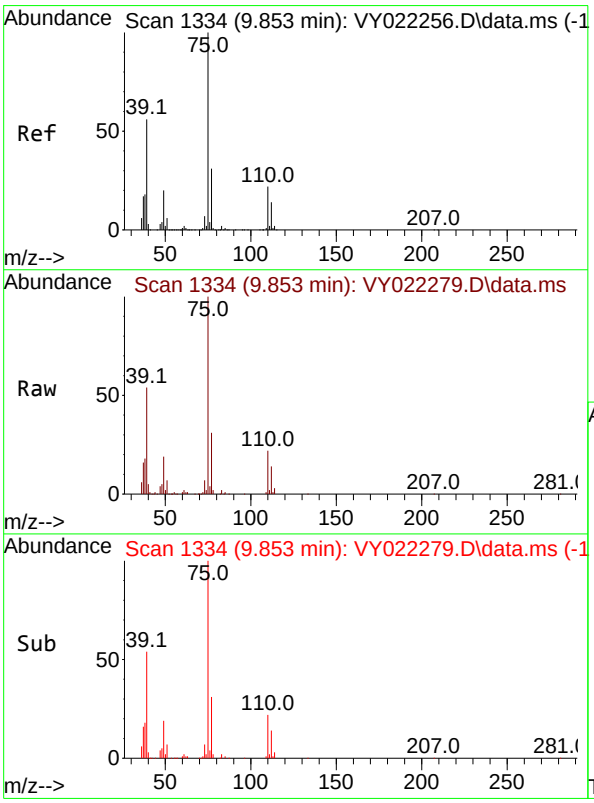
#53
t-1,3-Dichloropropene
Concen: 18.860 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 75 Resp: 63643

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.6

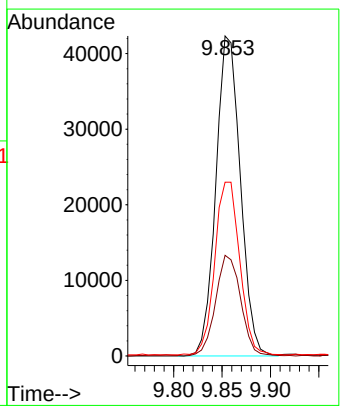


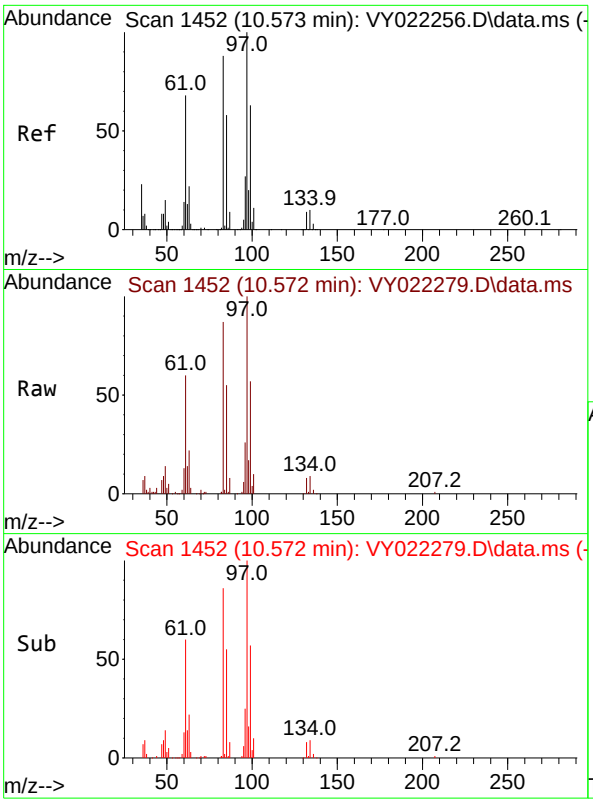


#54
cis-1,3-Dichloropropene
Concen: 19.261 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 74469

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	54.0	44.5	66.7



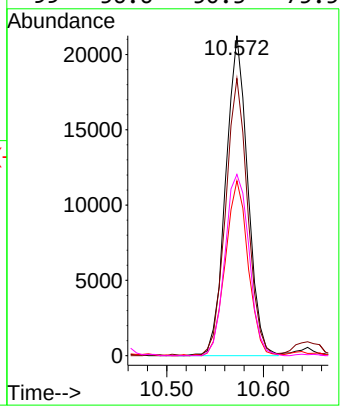


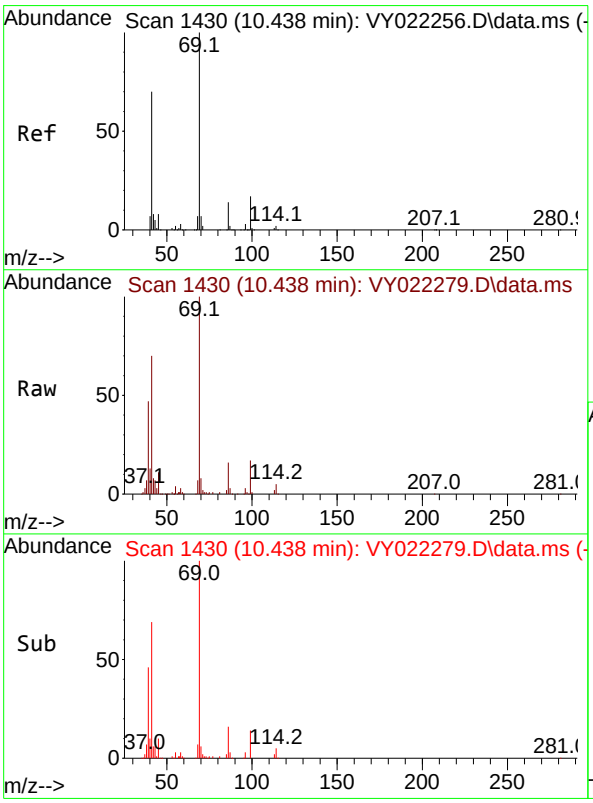
#55
1,1,2-Trichloroethane
Concen: 19.714 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 97 Resp: 33647

Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.3	105.5
85	54.7	46.2	69.4
99	56.6	50.3	75.5

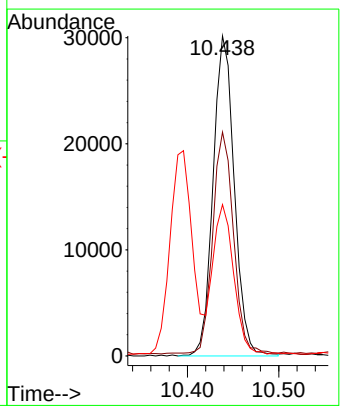


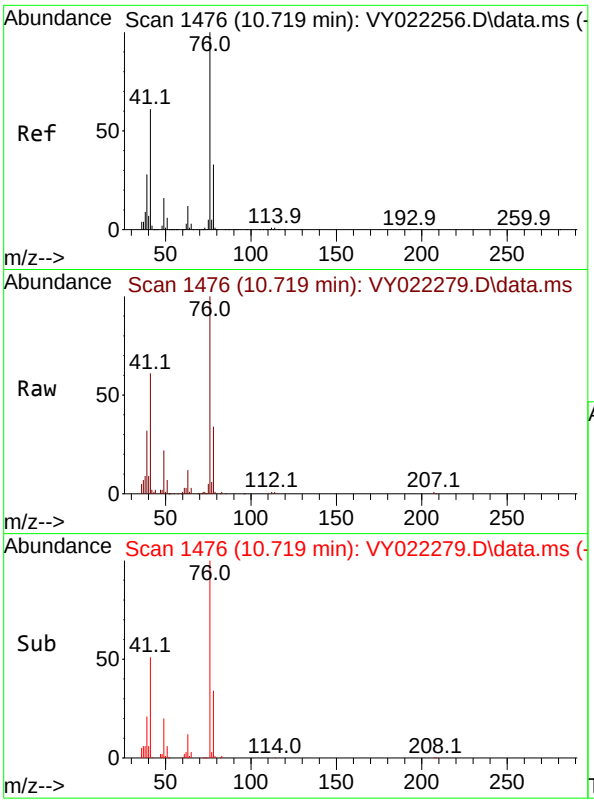


#56
Ethyl methacrylate
Concen: 18.299 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 69 Resp: 48650

Ion	Ratio	Lower	Upper
69	100		
41	68.1	56.5	84.7
39	44.5	37.1	55.7



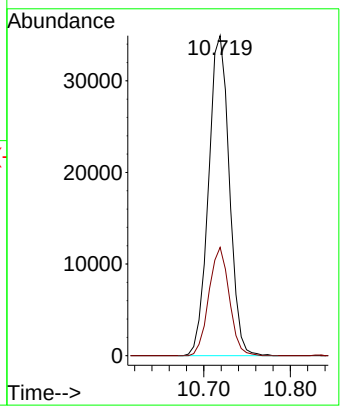


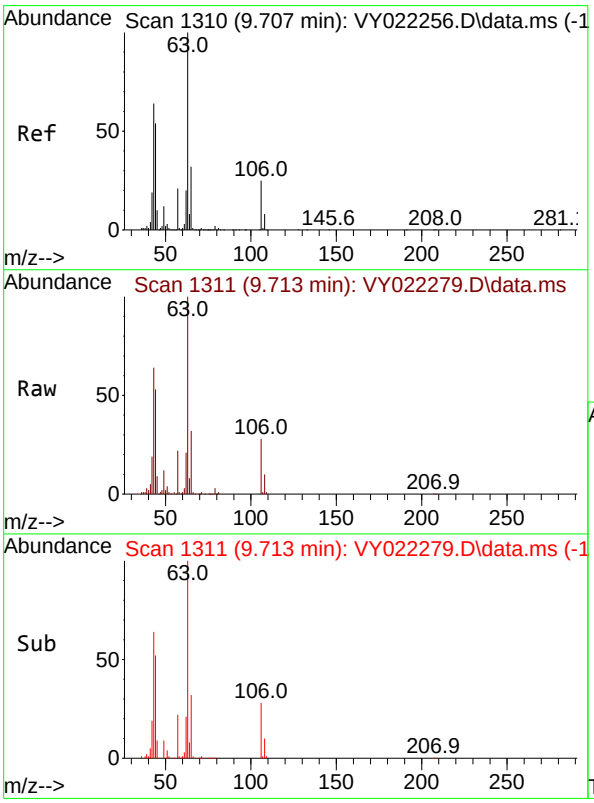
#57
1,3-Dichloropropane
Concen: 19.185 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 76 Resp: 58178

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

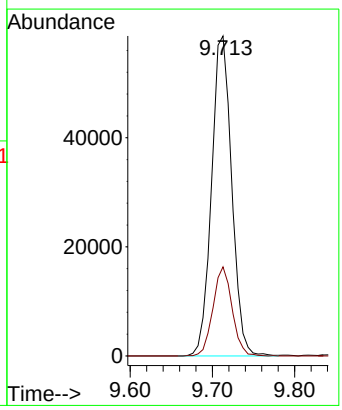


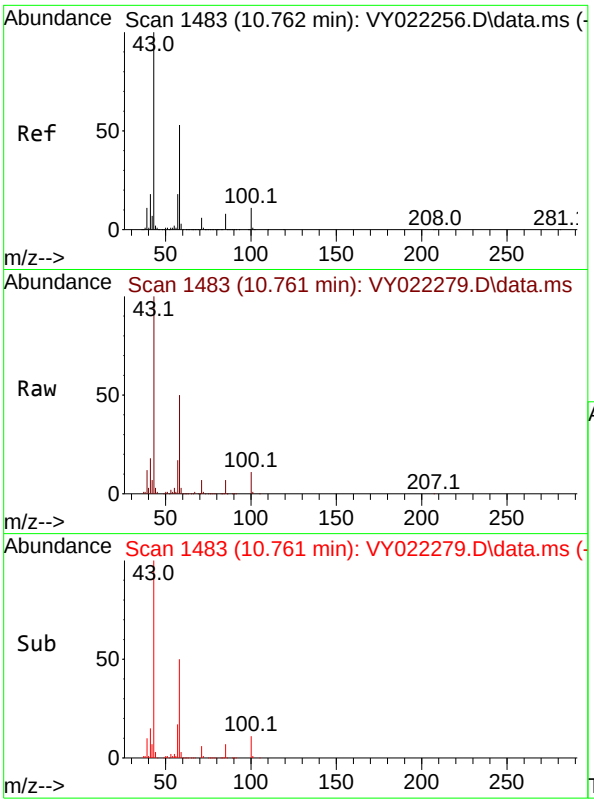


#58
2-Chloroethyl Vinyl ether
Concen: 83.786 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 63 Resp: 99985

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.4



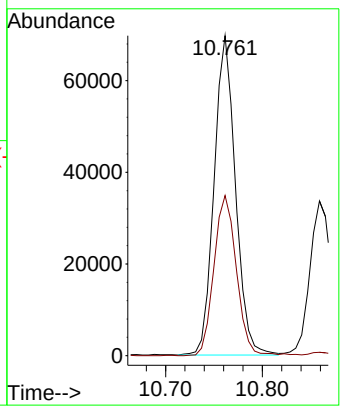


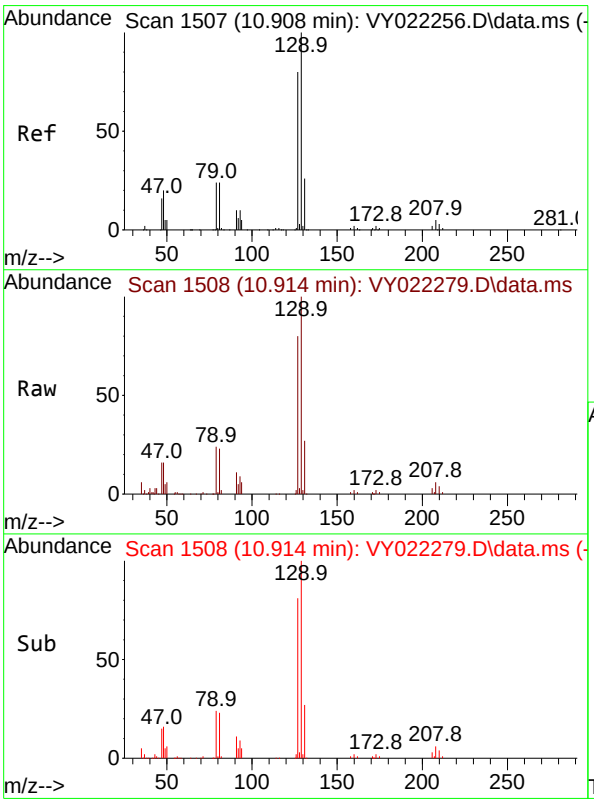
#59
2-Hexanone
Concen: 89.217 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 43 Resp: 106492

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.3

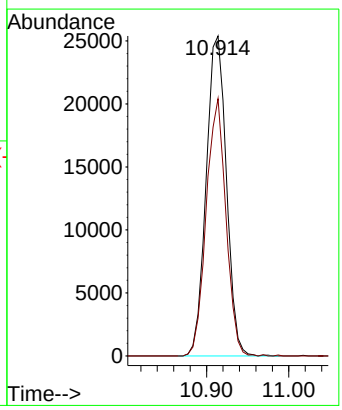


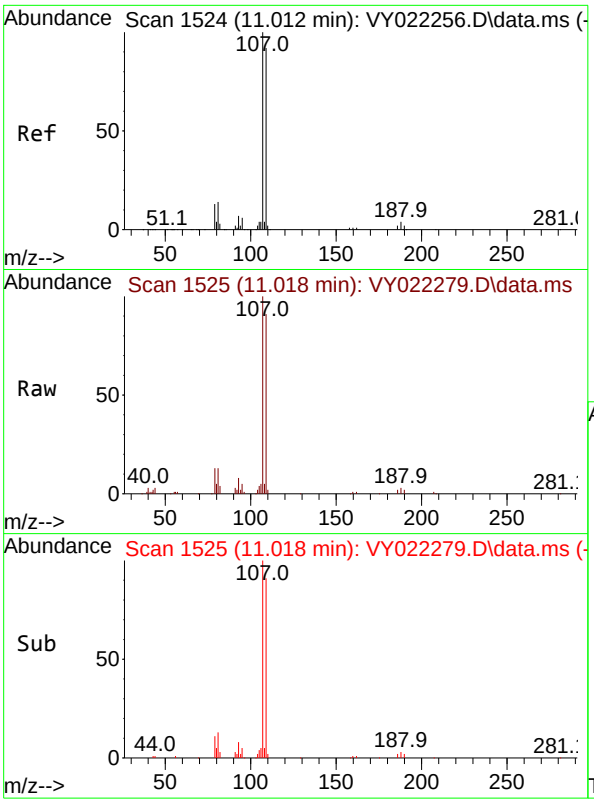


#60
Dibromochloromethane
Concen: 19.586 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:129 Resp: 43390

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7



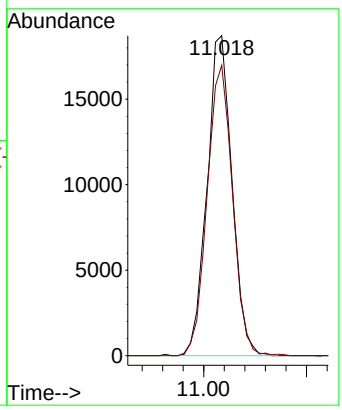


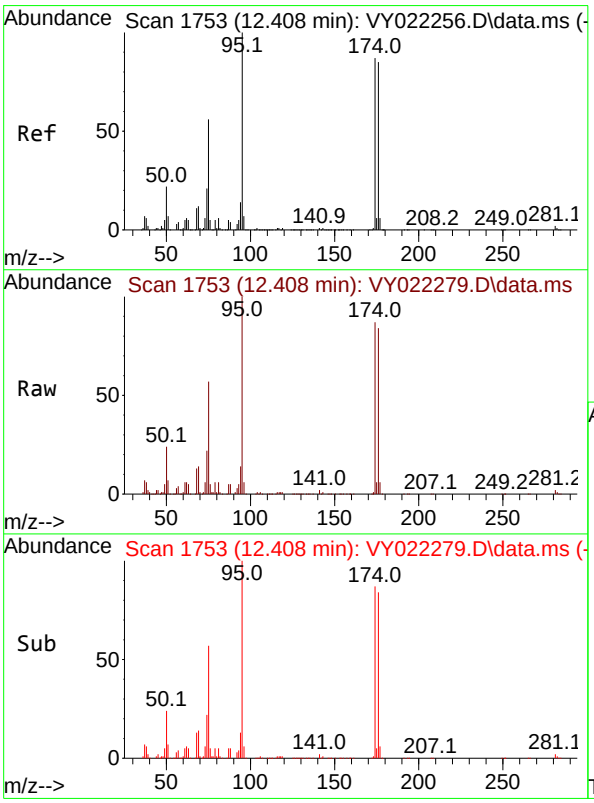
#61
1,2-Dibromoethane
Concen: 19.811 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:107 Resp: 31515

Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.6	111.8

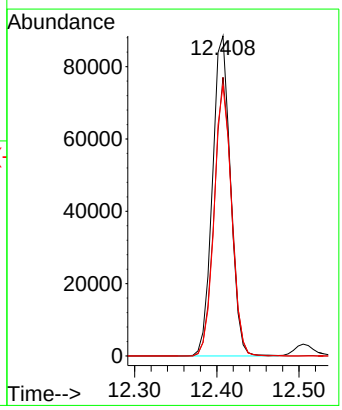


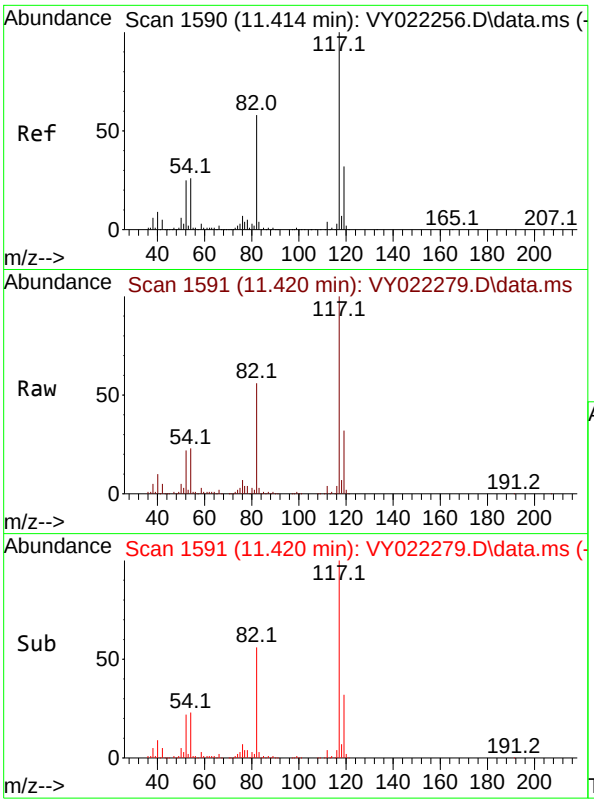


#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 95 Resp: 134691

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.8
176	82.1	0.0	160.8



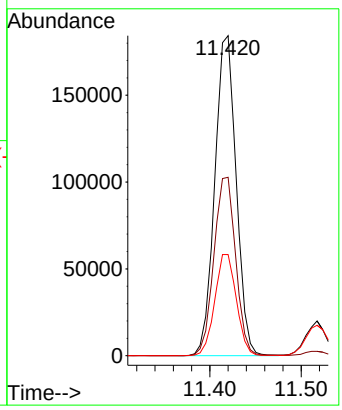


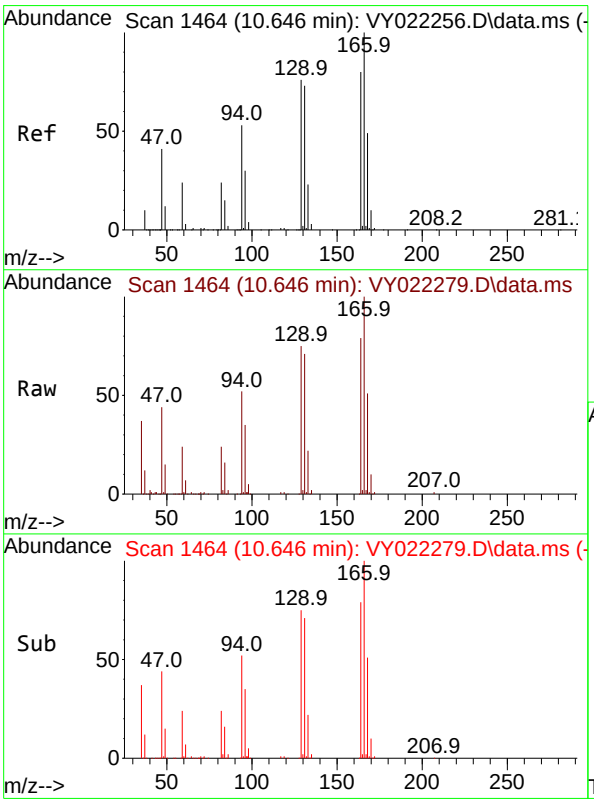
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:117 Resp: 300126

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	31.6	25.8	38.6

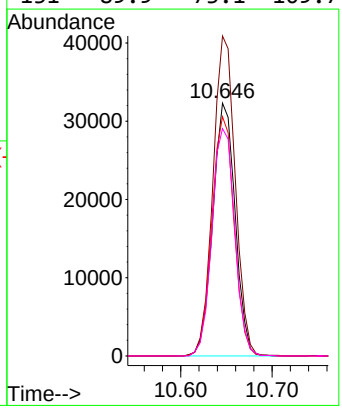


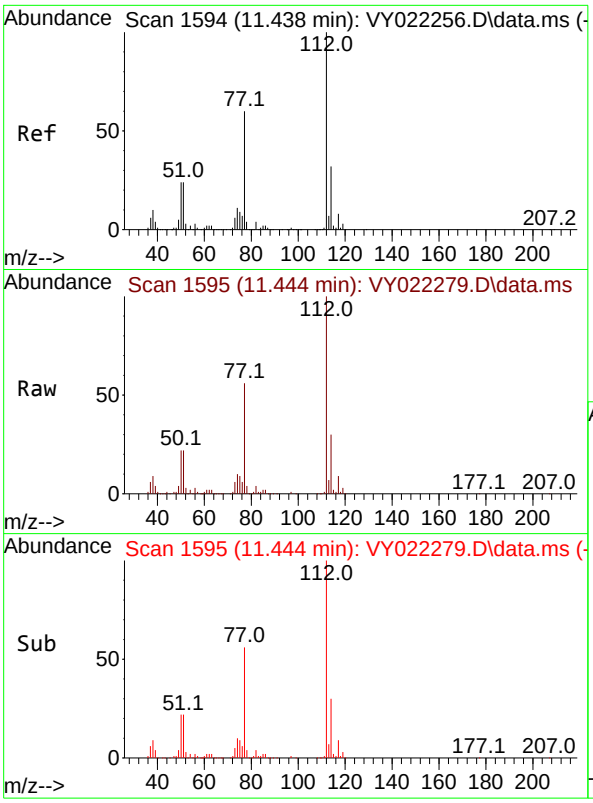


#64
Tetrachloroethene
Concen: 19.759 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:164 Resp: 54813

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.4	150.6
129	94.6	76.4	114.6
131	89.9	73.1	109.7



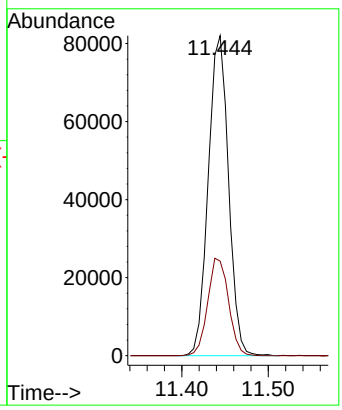


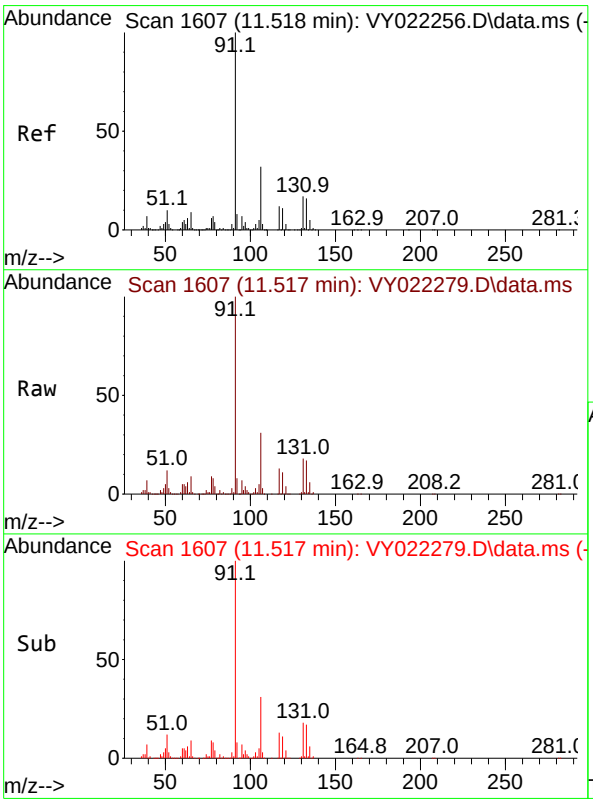
#65
Chlorobenzene
Concen: 19.679 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:112 Resp: 133251

Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.8	38.6

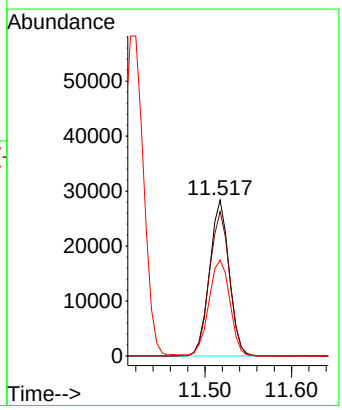


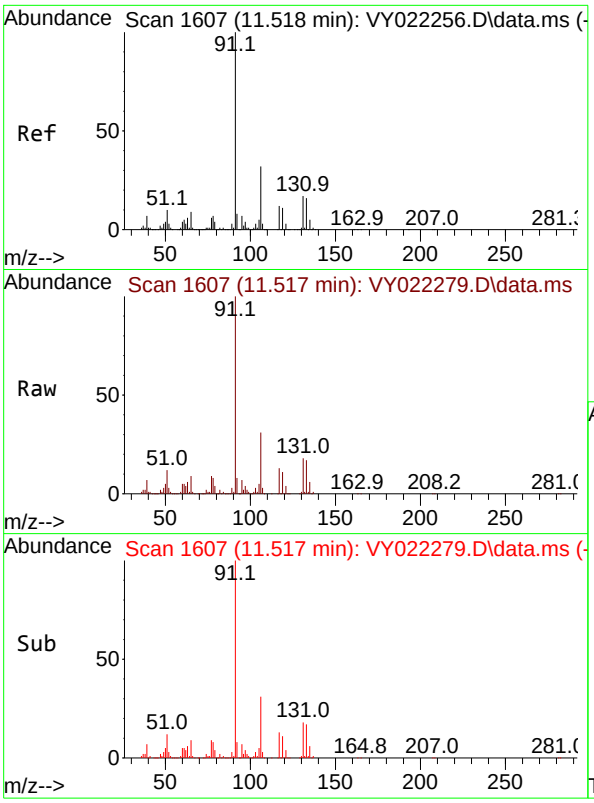


#66
1,1,1,2-Tetrachloroethane
Concen: 19.140 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:131 Resp: 44554

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	66.3	33.1	99.2



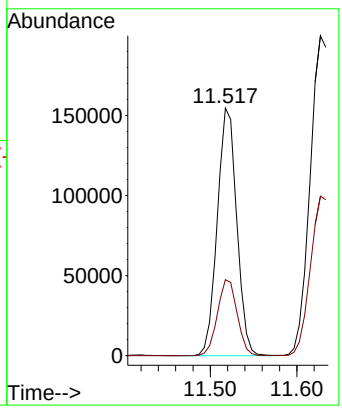


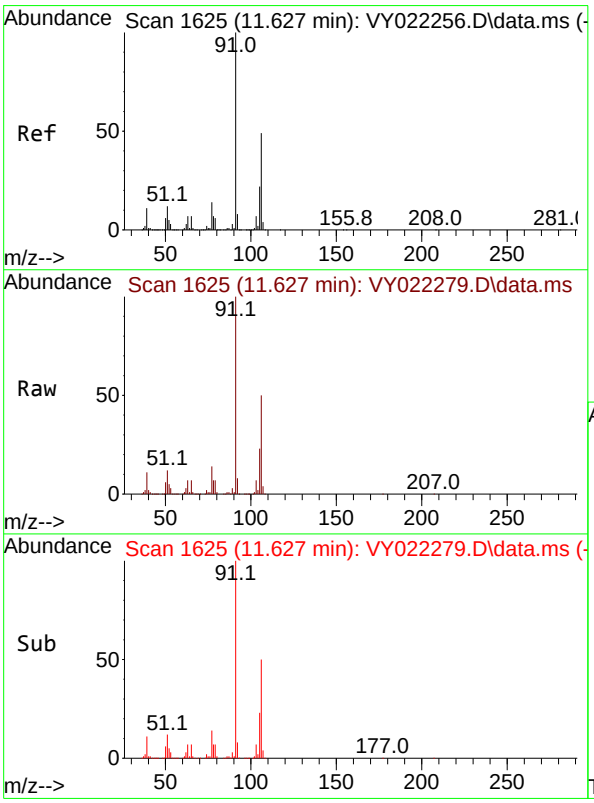
#67
Ethyl Benzene
Concen: 19.027 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 91 Resp: 241283

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.4	38.0

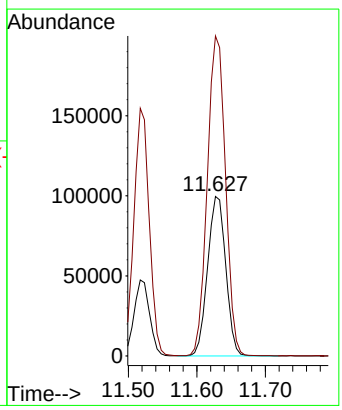


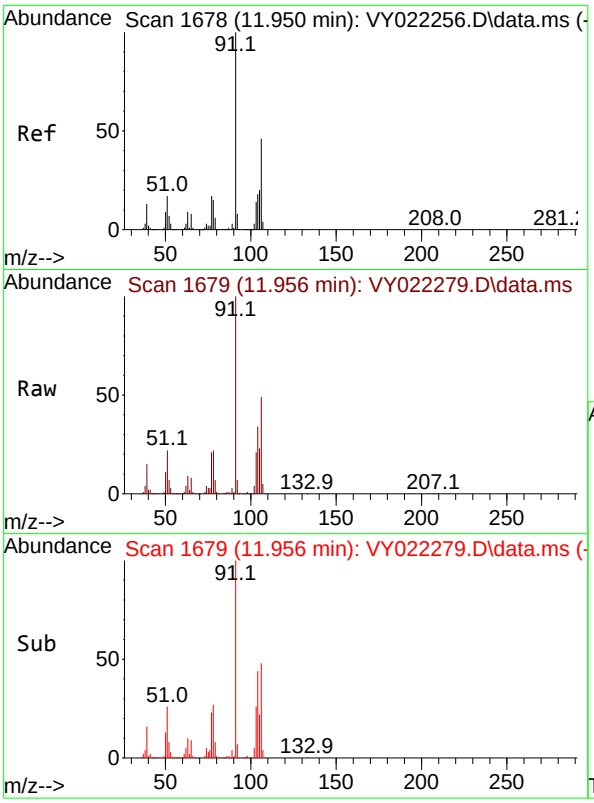


#68
m/p-Xylenes
Concen: 38.444 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:106 Resp: 183701

Ion	Ratio	Lower	Upper
106	100		
91	200.7	163.0	244.4



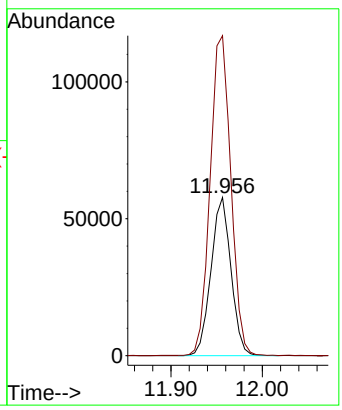


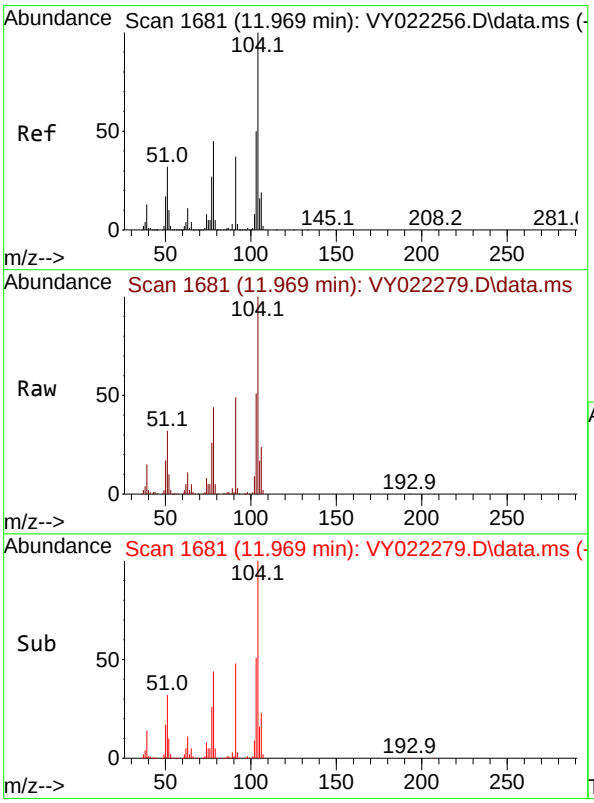
#69
o-Xylene
Concen: 19.379 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:106 Resp: 87610

Ion	Ratio	Lower	Upper
106	100		
91	209.7	108.3	324.8

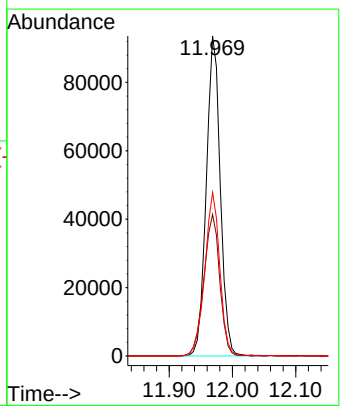


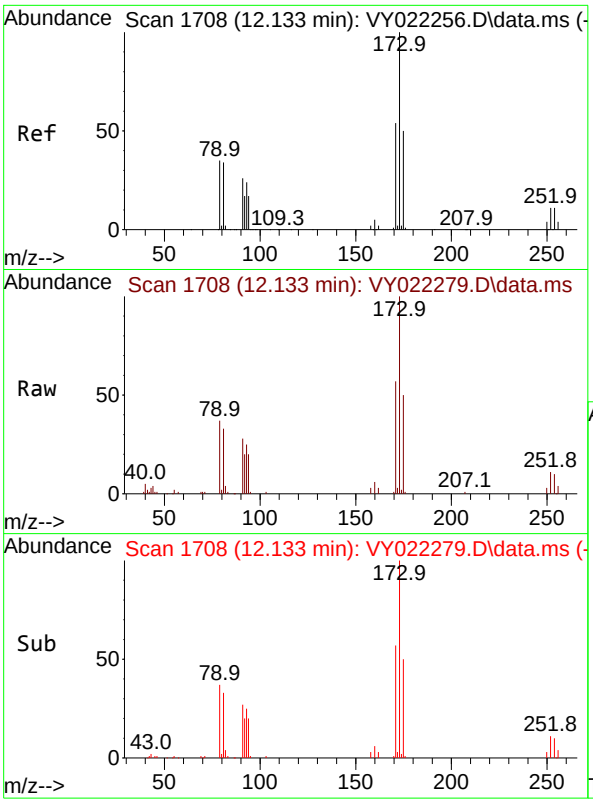


#70
Styrene
Concen: 18.942 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:104 Resp: 144454

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.9	61.3
103	54.8	43.7	65.5



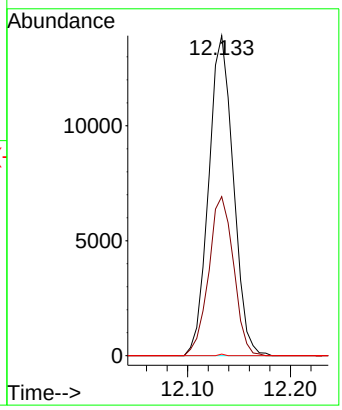


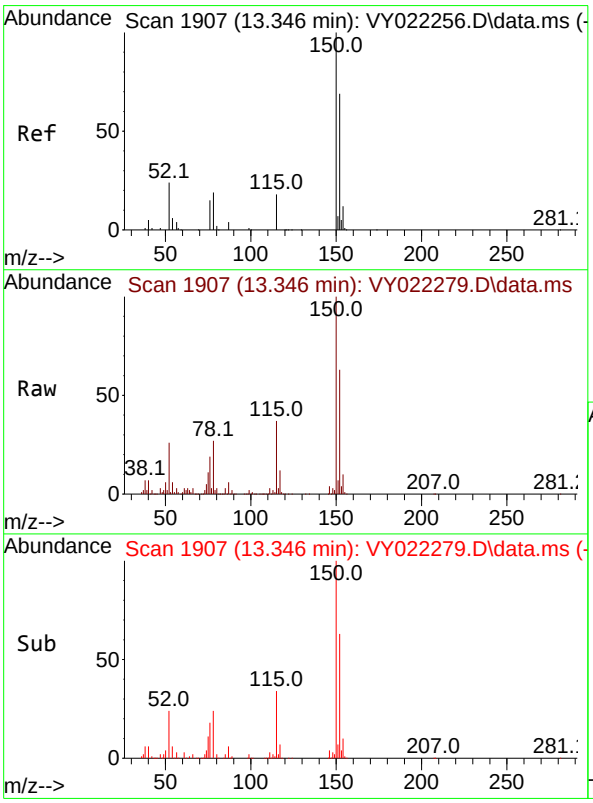
#71
Bromoform
Concen: 18.414 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:173 Resp: 23136

Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.7	74.1
254	0.1	0.0	0.0#

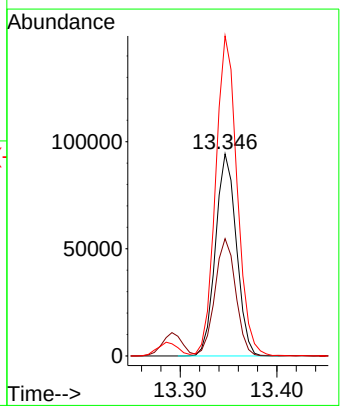


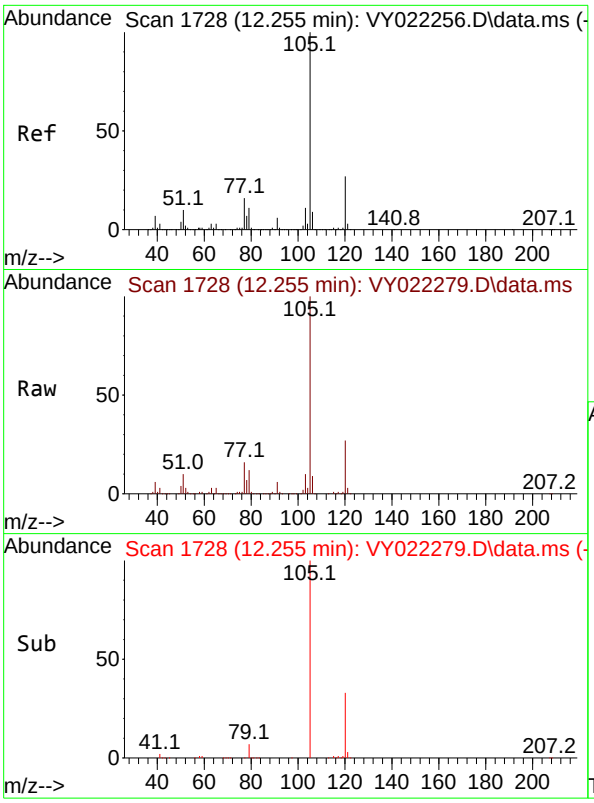


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:152 Resp: 141210

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.2
150	162.9	0.0	353.8



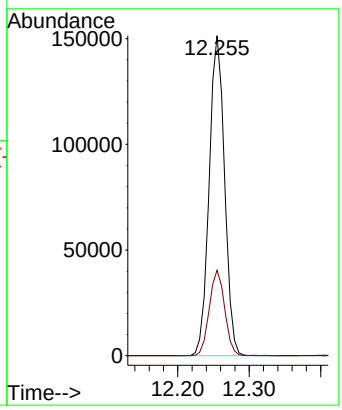


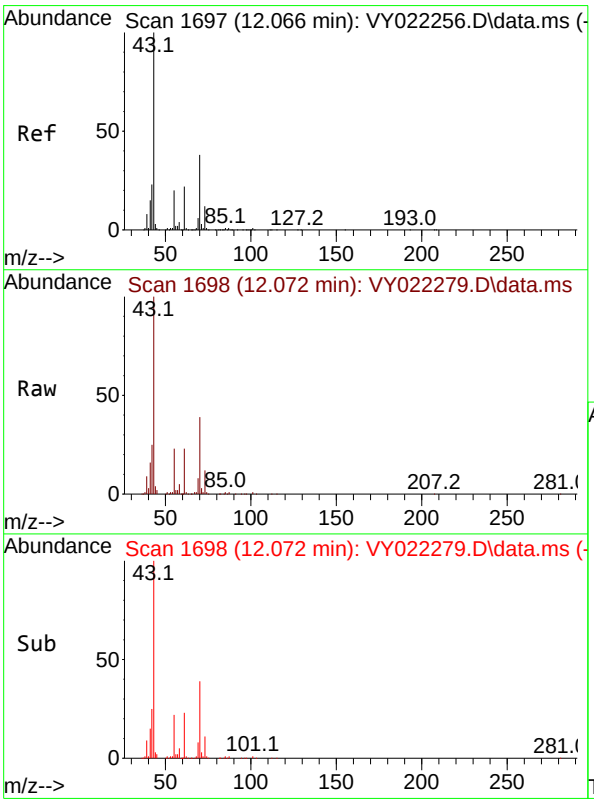
#73
Isopropylbenzene
Concen: 19.344 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:105 Resp: 226293

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

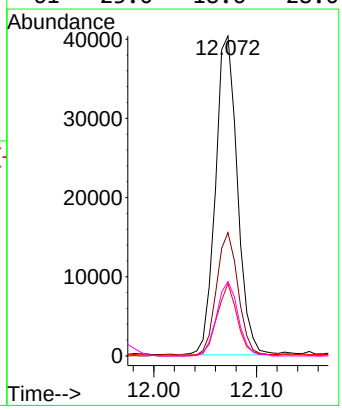


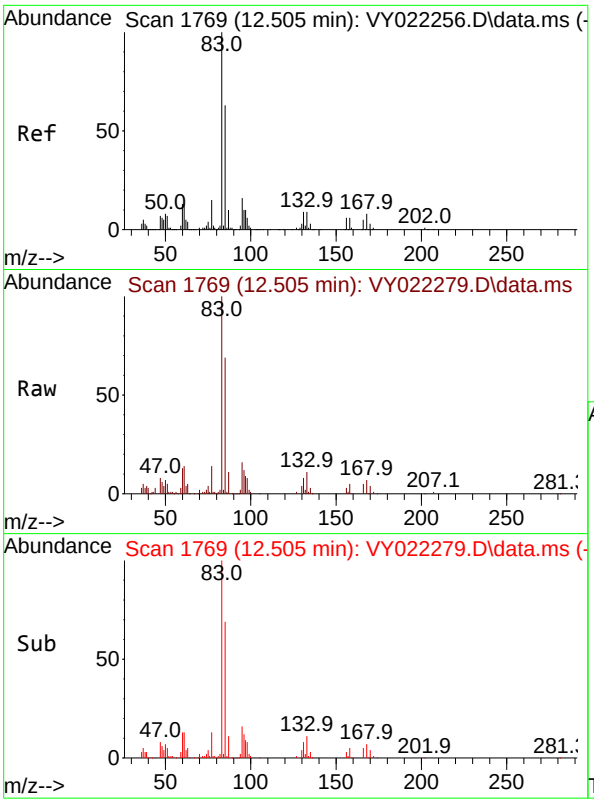


#74
N-amyl acetate
Concen: 17.844 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 43 Resp: 59704

Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.4	47.0
55	20.6	17.0	25.6
61	23.0	18.6	28.0



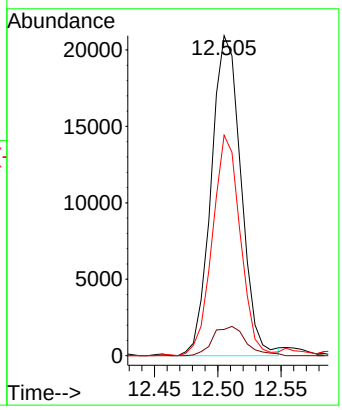


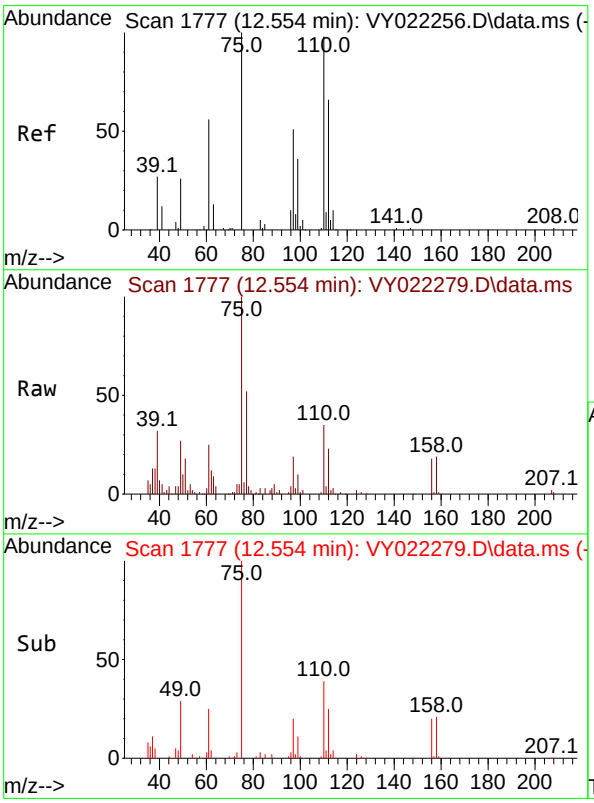
#75
1,1,2,2-Tetrachloroethane
Concen: 19.065 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 83 Resp: 34300

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.5	32.0	96.0

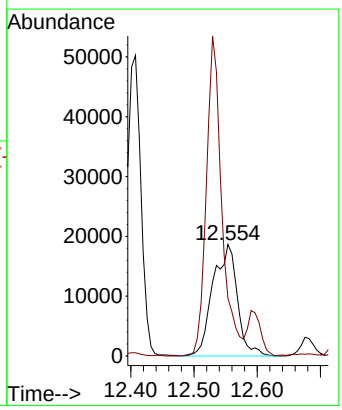


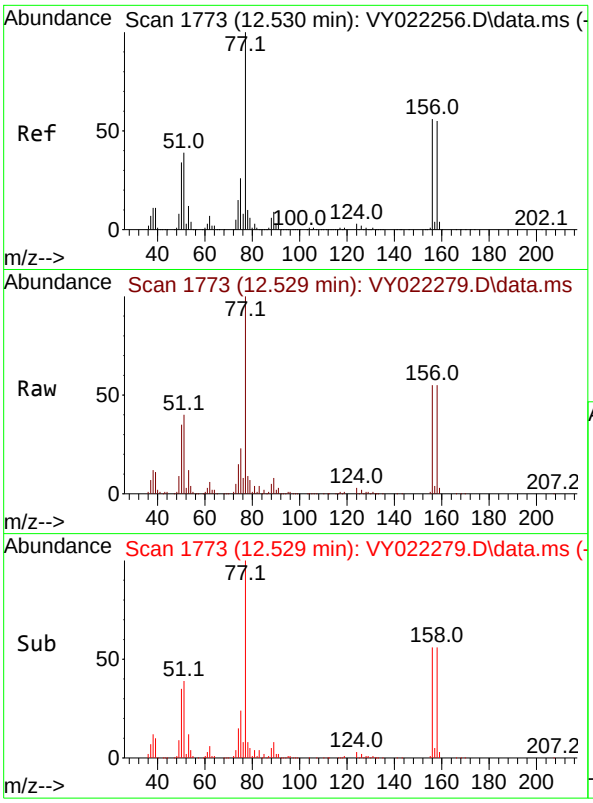


#76
1,2,3-Trichloropropane
Concen: 34.975 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 50035

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



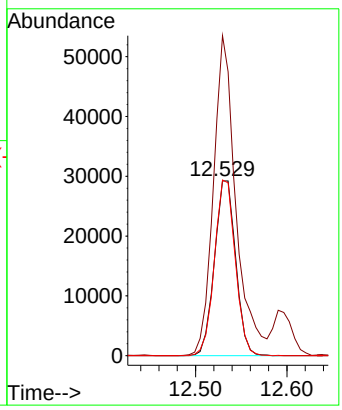


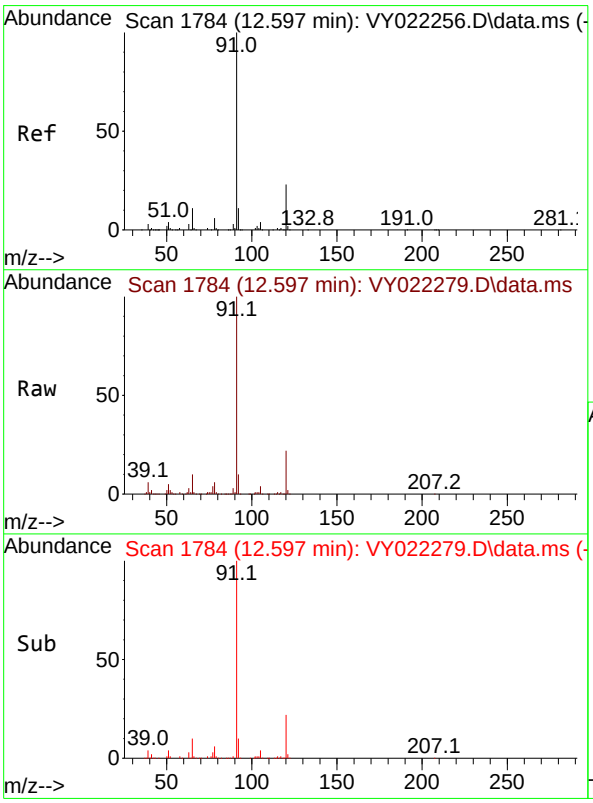
#77
Bromobenzene
Concen: 18.904 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:156 Resp: 47234

Ion	Ratio	Lower	Upper
156	100		
77	193.6	94.5	283.6
158	98.6	48.4	145.3

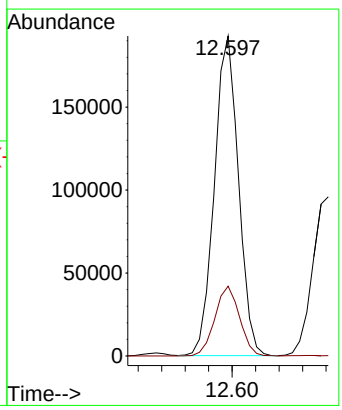


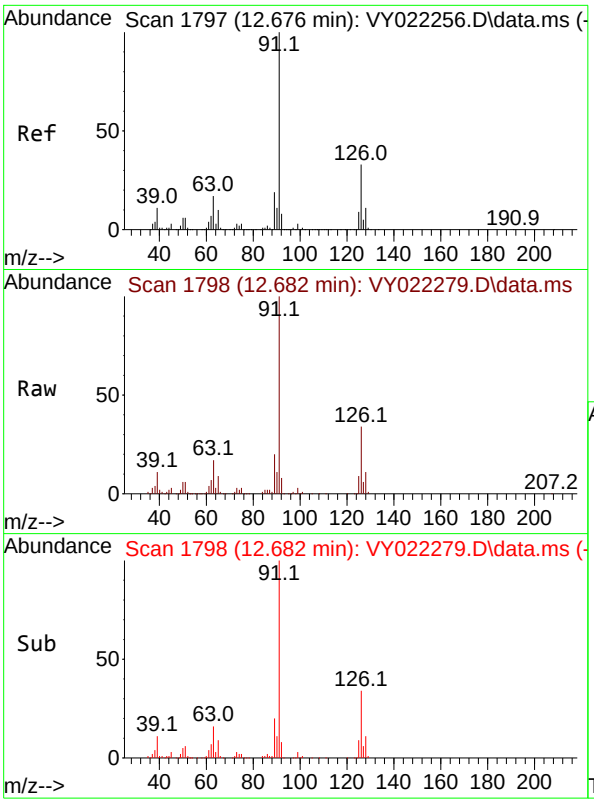


#78
n-propylbenzene
Concen: 19.430 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 274165

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.3



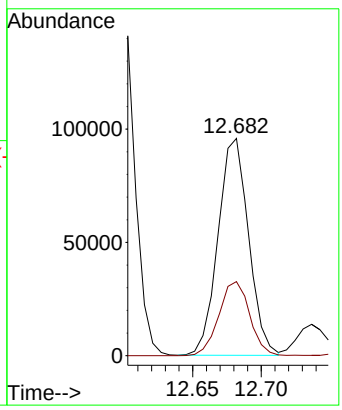


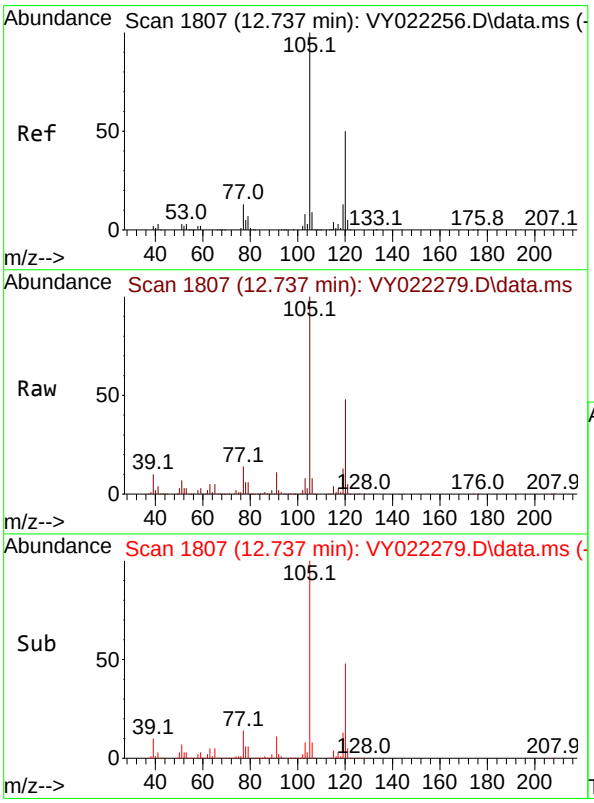
#79
2-Chlorotoluene
Concen: 19.125 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 91 Resp: 148305

Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.8	50.4

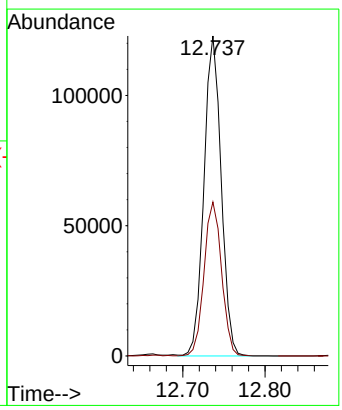


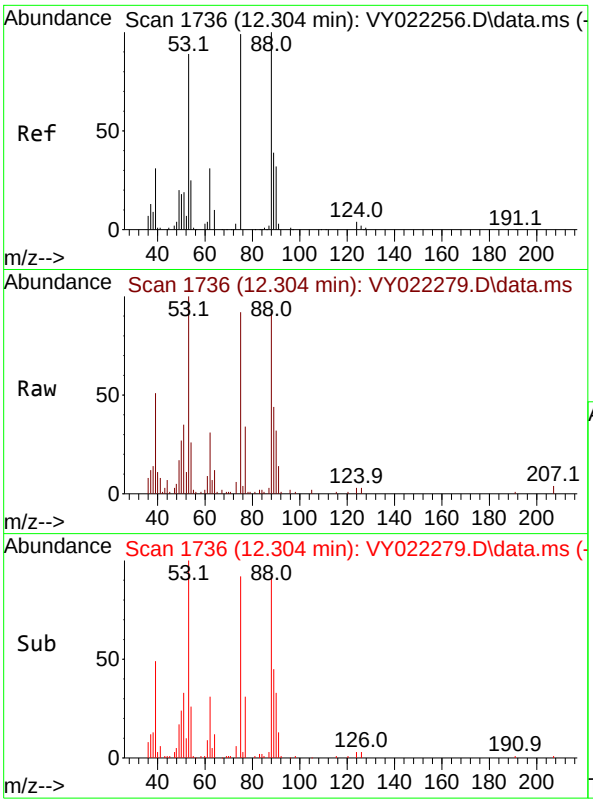


#80
1,3,5-Trimethylbenzene
Concen: 18.943 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:105 Resp: 178884

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.2	72.6



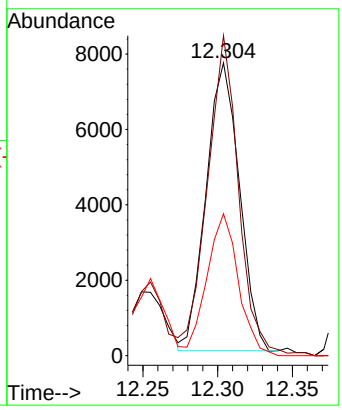


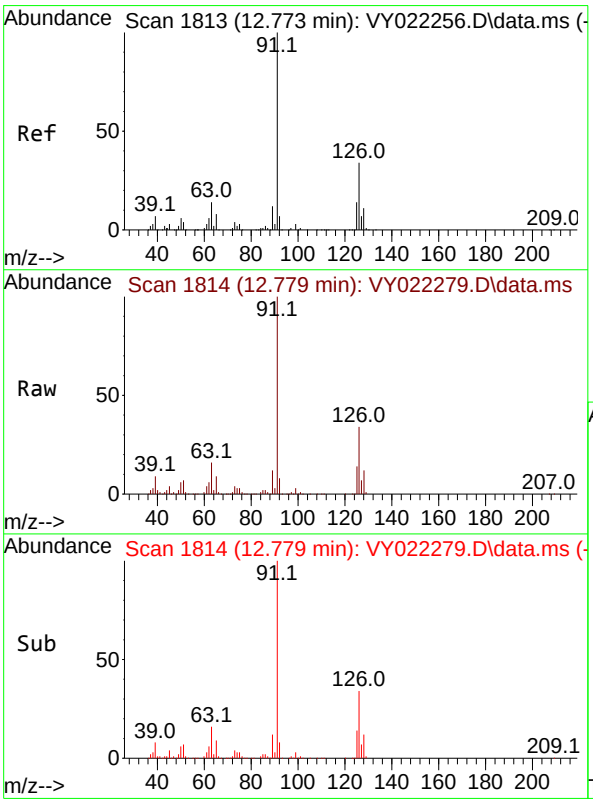
#81
trans-1,4-Dichloro-2-butene
Concen: 16.775 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 75 Resp: 11847

Ion	Ratio	Lower	Upper
75	100		
53	104.1	75.8	113.8
89	46.1	36.2	54.2

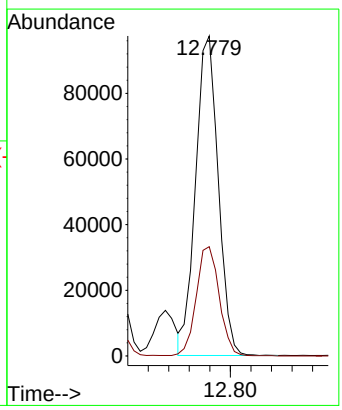


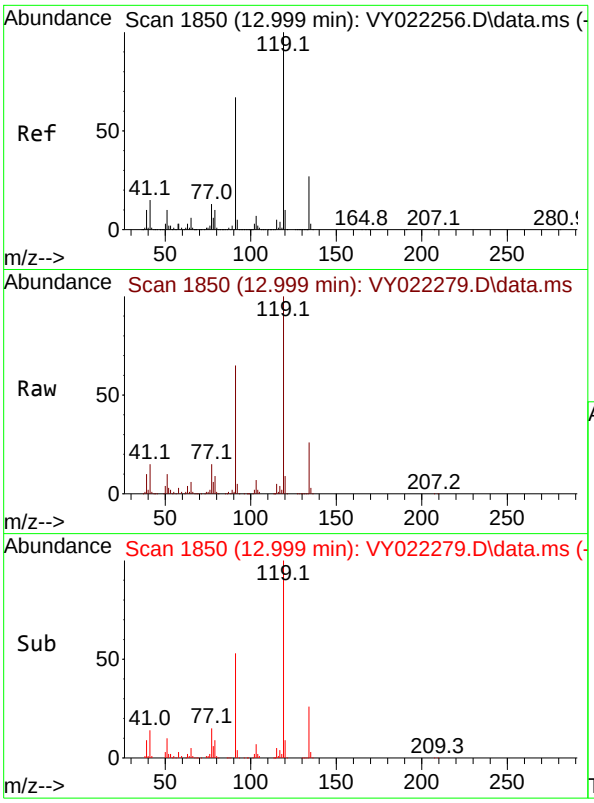


#82
4-Chlorotoluene
Concen: 18.660 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 91 Resp: 148832

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.8	50.4



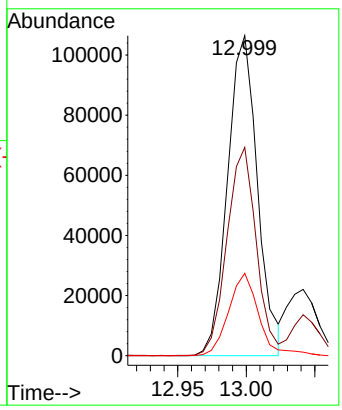


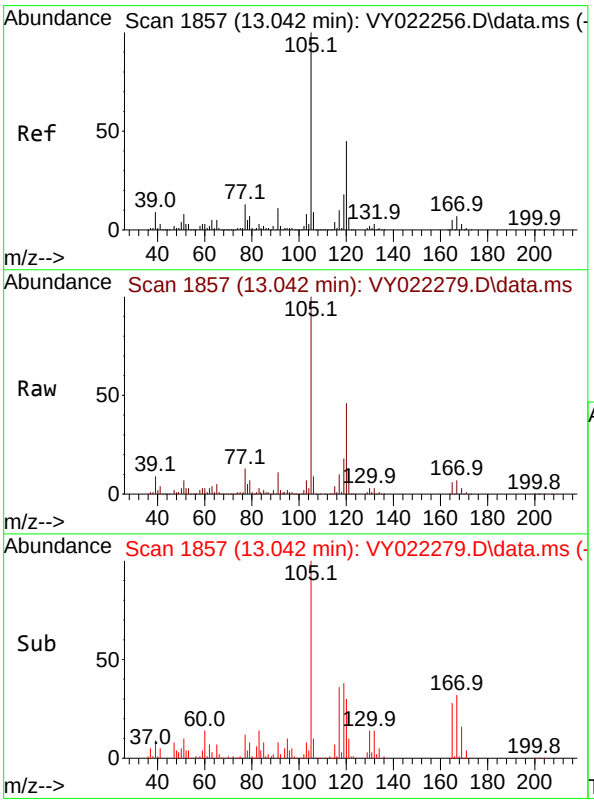
#83
tert-Butylbenzene
Concen: 19.292 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:119 Resp: 161923

Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.8	98.3
134	26.0	12.9	38.6

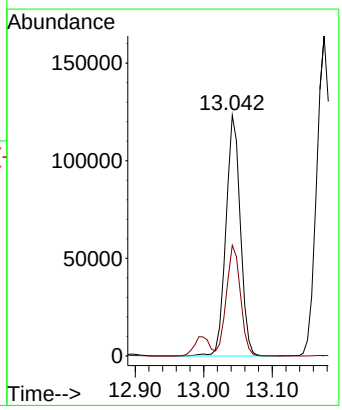


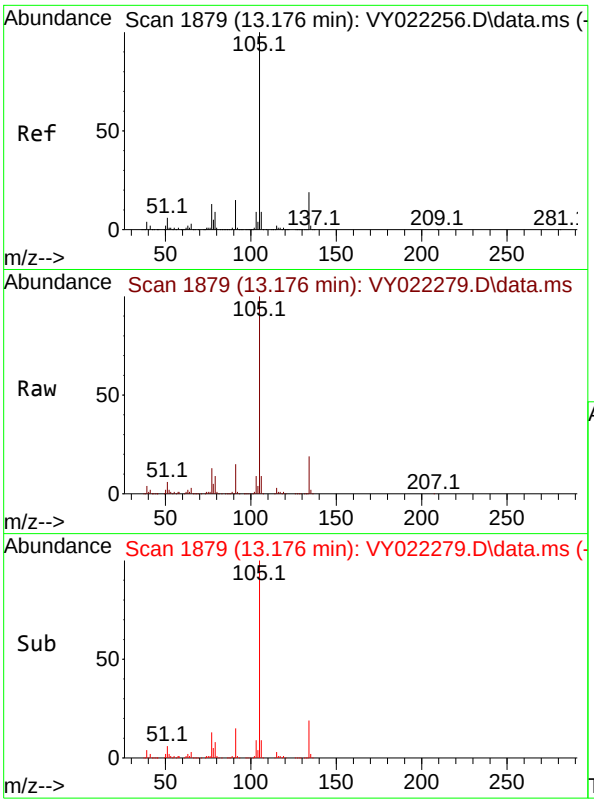


#84
1,2,4-Trimethylbenzene
Concen: 19.163 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:105 Resp: 179642

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9



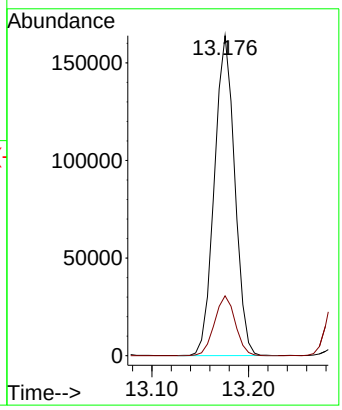


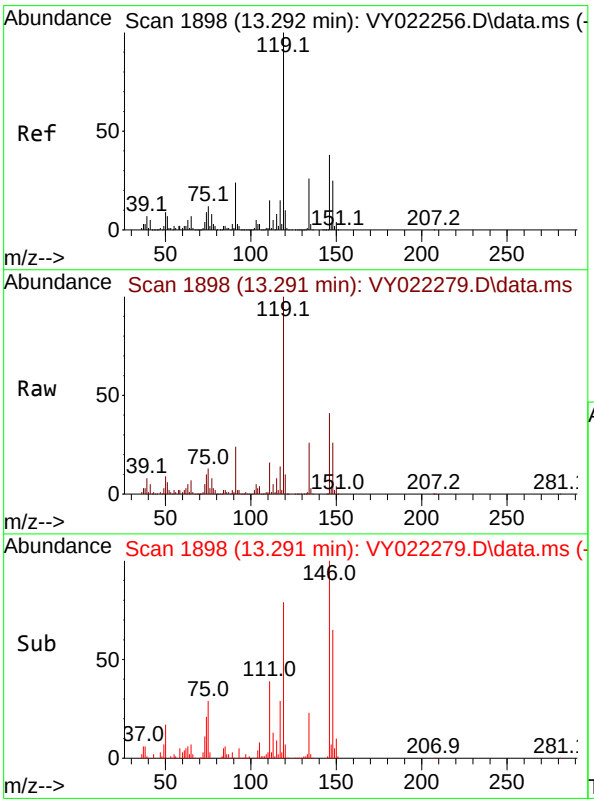
#85
sec-Butylbenzene
Concen: 19.219 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:105 Resp: 239464

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.5

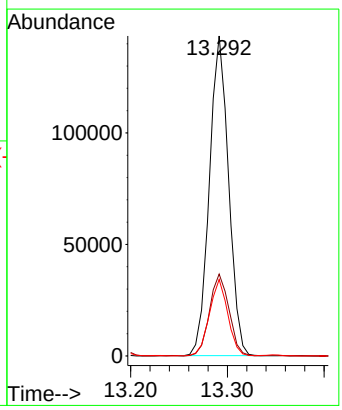


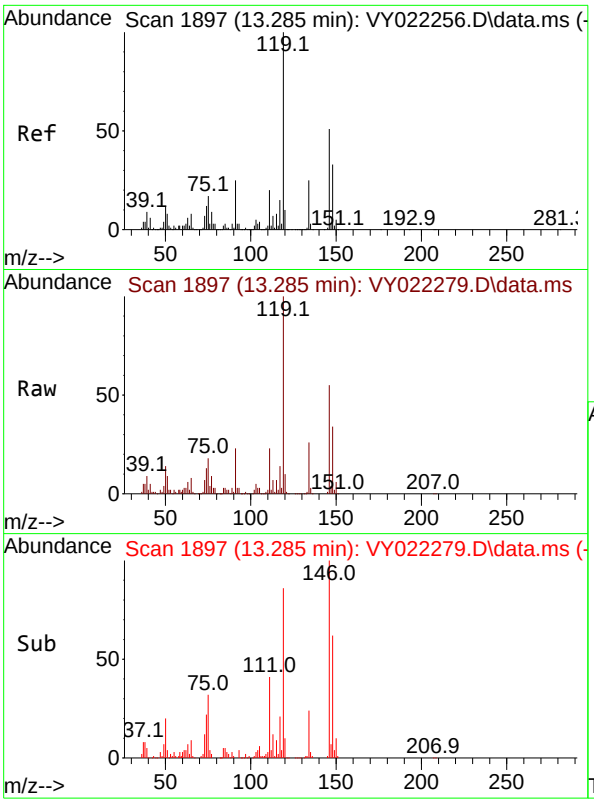


#86
p-Isopropyltoluene
Concen: 18.872 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:119 Resp: 197757

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	22.8	12.1	36.3



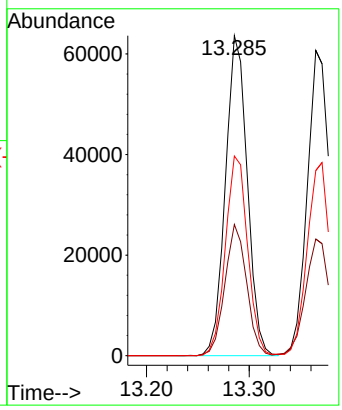


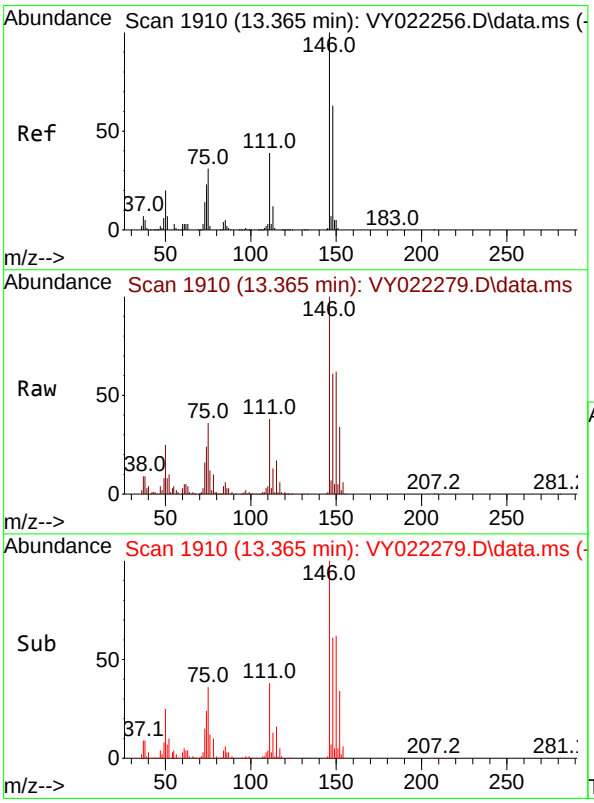
#87
1,3-Dichlorobenzene
Concen: 18.416 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:146 Resp: 93936

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	63.5	31.9	95.7

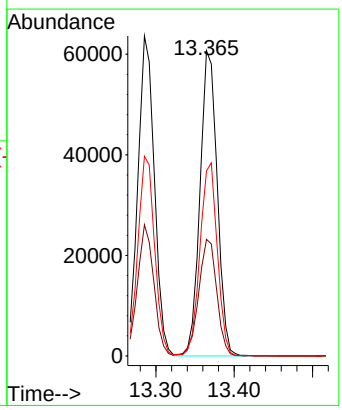


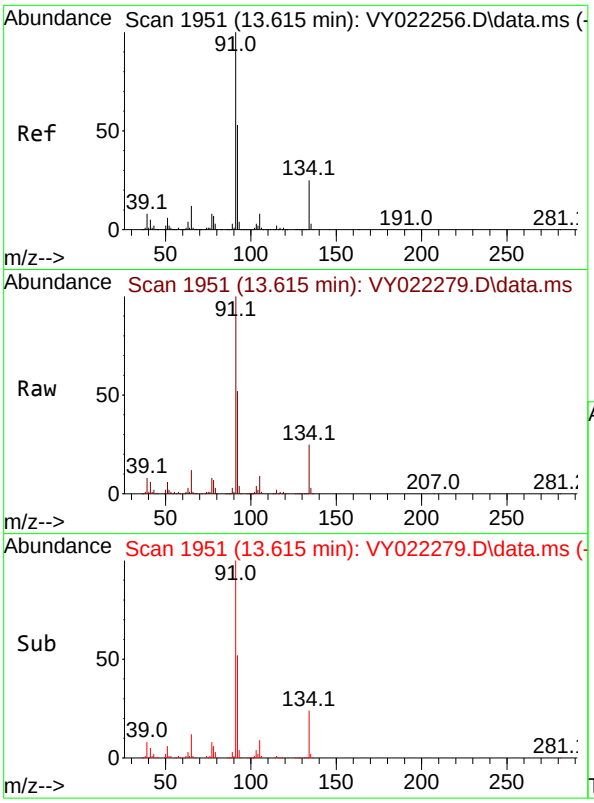


#88
1,4-Dichlorobenzene
Concen: 18.902 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:146 Resp: 92740

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	63.5	32.1	96.5



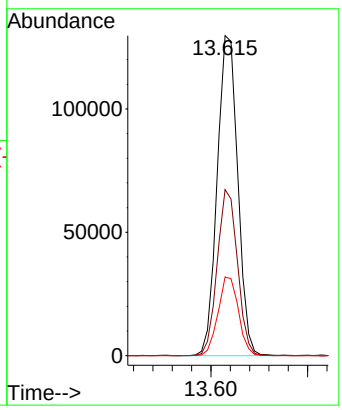


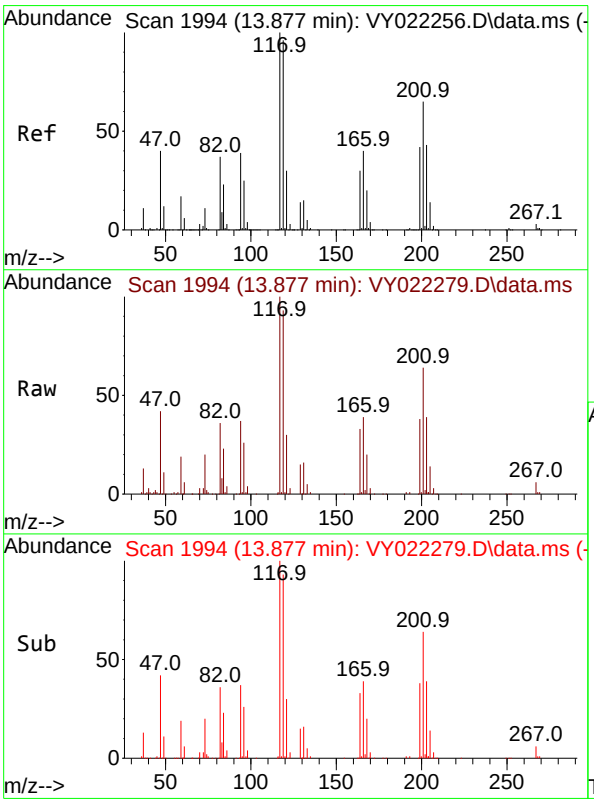
#89
n-Butylbenzene
Concen: 19.299 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion: 91 Resp: 191322

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.9
134	24.5	12.4	37.4

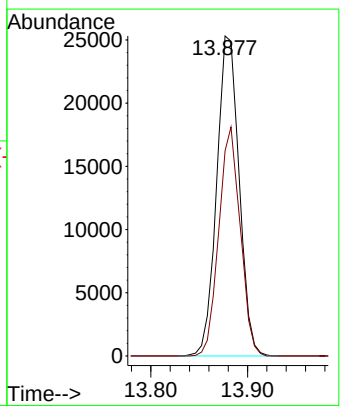


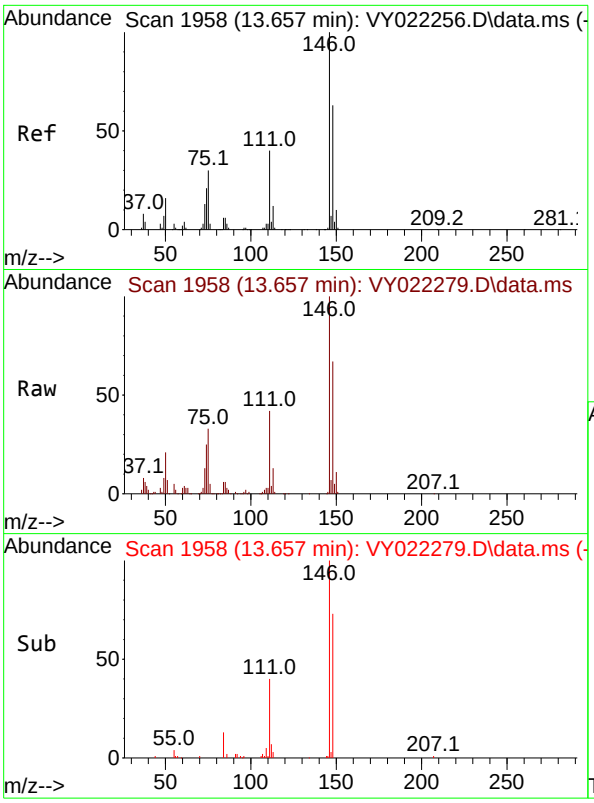


#90
Hexachloroethane
Concen: 19.255 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:117 Resp: 40730

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6



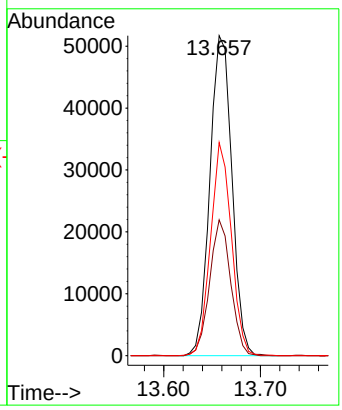


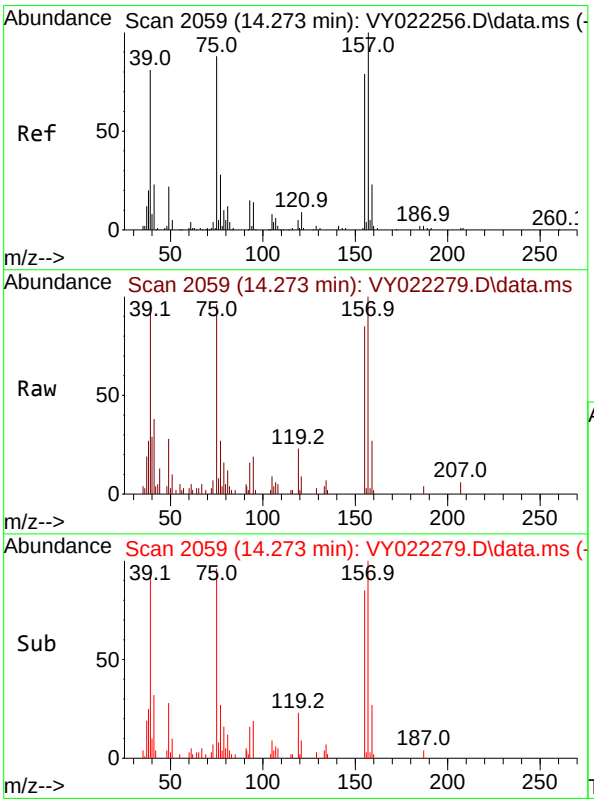
#91
1,2-Dichlorobenzene
Concen: 19.073 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:146 Resp: 81717

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.5
148	63.1	32.0	96.0

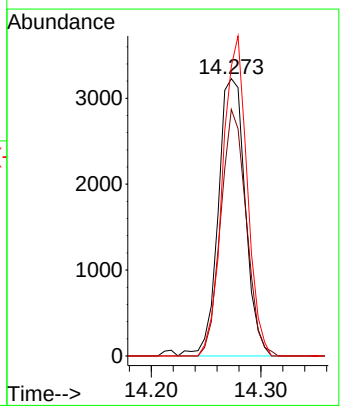


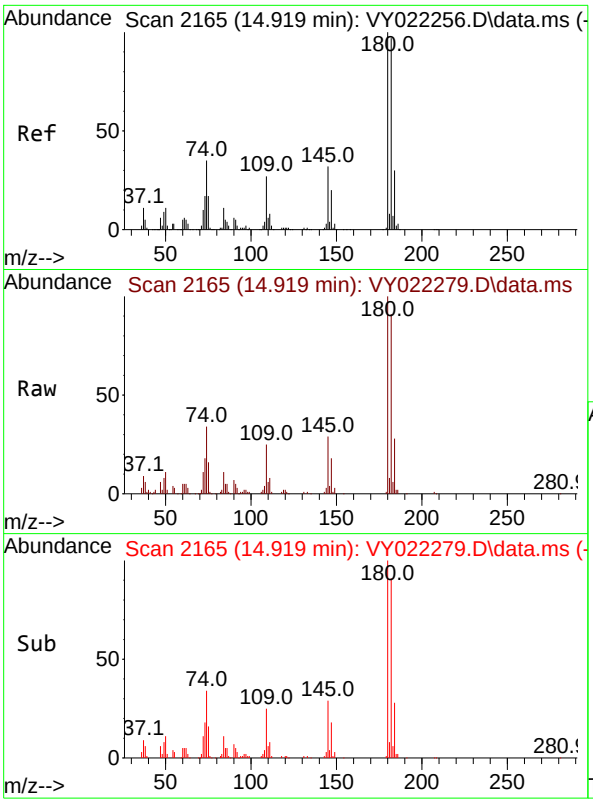


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.982 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion: 75 Resp: 5507

Ion	Ratio	Lower	Upper
75	100		
155	83.7	43.4	130.1
157	104.7	54.6	163.9



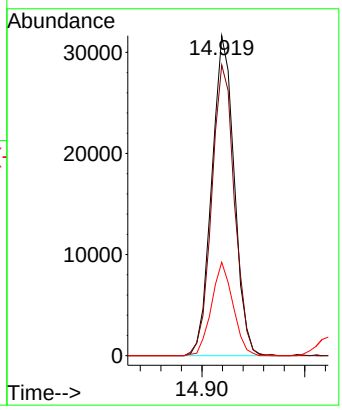


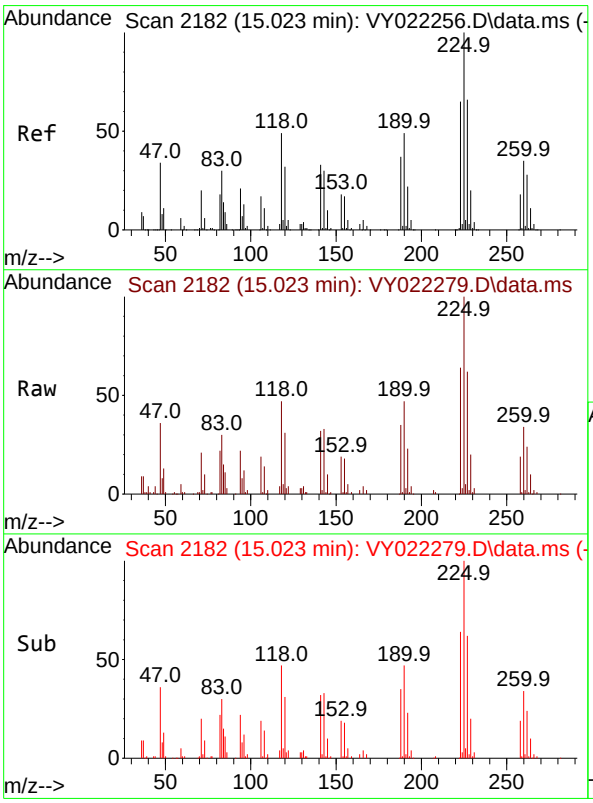
#93
1,2,4-Trichlorobenzene
Concen: 19.345 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:180 Resp: 47875

Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.0	144.0
145	28.0	15.0	45.1

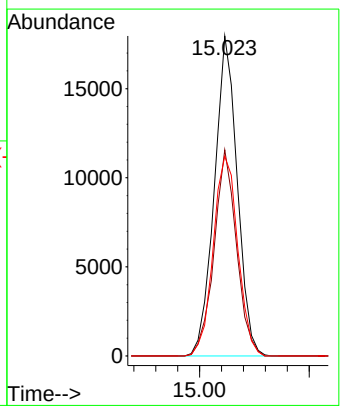


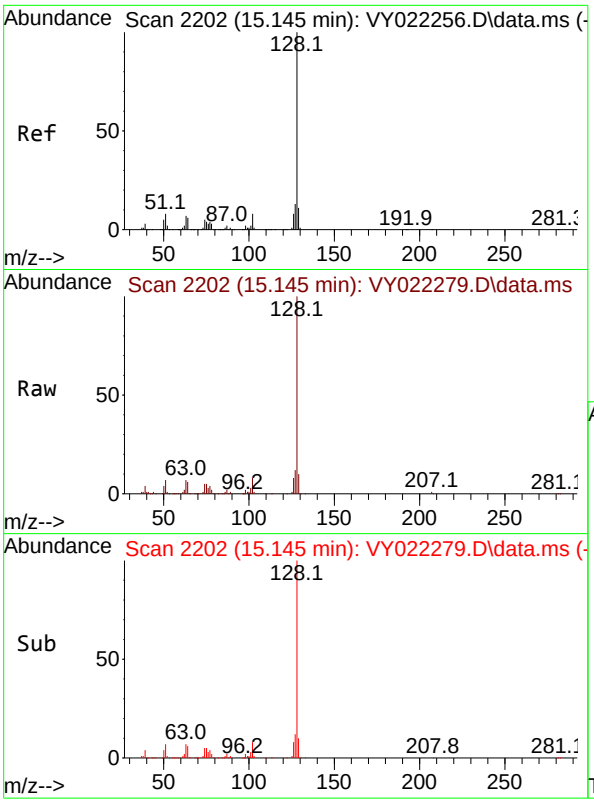


#94
Hexachlorobutadiene
Concen: 18.897 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:225 Resp: 26080

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.5	94.5
227	67.0	32.1	96.3



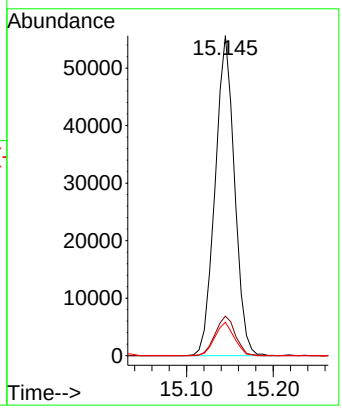


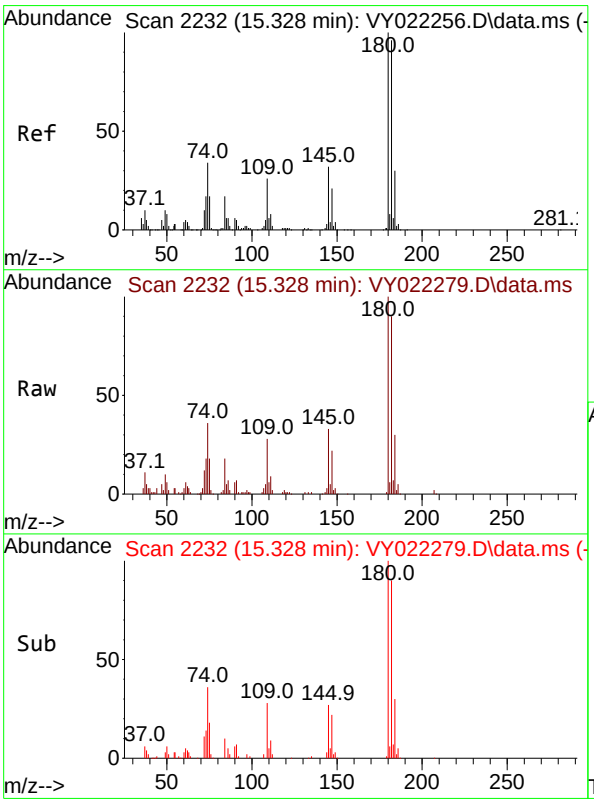
#95
Naphthalene
Concen: 18.410 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Tgt Ion:128 Resp: 86461

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.5	8.8	13.2

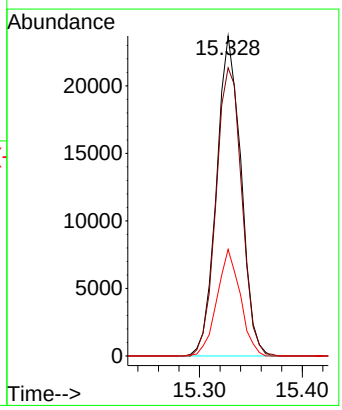




#96
1,2,3-Trichlorobenzene
Concen: 18.667 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022279.D
Acq: 16 May 2025 10:09

Tgt Ion:180 Resp: 39190

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	31.7	15.9	47.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	169408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	301400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	262982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105132	56.783	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.560%			
35) Dibromofluoromethane	7.634	113	95967	53.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.700%			
50) Toluene-d8	10.103	98	385048	52.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.520%			
62) 4-Bromofluorobenzene	12.401	95	118638	50.802	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	81891	46.326	ug/l	98
3) Chloromethane	2.068	50	194341	52.264	ug/l	100
4) Vinyl Chloride	2.202	62	261518	62.949	ug/l	97
5) Bromomethane	2.592	94	216391	63.984	ug/l	99
6) Chloroethane	2.732	64	182258	70.518	ug/l	98
7) Trichlorofluoromethane	3.049	101	229841	54.643	ug/l	99
8) Diethyl Ether	3.452	74	57553	57.015	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	91858	50.304	ug/l	98
10) Methyl Iodide	4.000	142	124272	58.800	ug/l	99
11) Tert butyl alcohol	4.866	59	41446	293.143	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	96302	53.144	ug/l	99
13) Acrolein	3.647	56	45853	221.842	ug/l	97
14) Allyl chloride	4.378	41	160107	50.390	ug/l	97
15) Acrylonitrile	5.055	53	122379	294.229	ug/l	99
16) Acetone	3.872	43	90742	261.381	ug/l	98
17) Carbon Disulfide	4.104	76	310118	52.482	ug/l	98
18) Methyl Acetate	4.385	43	78917	72.098	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	289508	57.942	ug/l	96
20) Methylene Chloride	4.610	84	112252	50.040	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	107400	53.696	ug/l	98
22) Diisopropyl ether	6.012	45	357394	53.264	ug/l	96
23) Vinyl Acetate	5.957	43	1023992	252.608	ug/l	98
24) 1,1-Dichloroethane	5.909	63	202421	53.998	ug/l	98
25) 2-Butanone	6.890	43	159016	273.834	ug/l	99
26) 2,2-Dichloropropane	6.878	77	154549	46.353	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	129025	55.900	ug/l	96
28) Bromochloromethane	7.244	49	87604	54.788	ug/l	97
29) Tetrahydrofuran	7.262	42	108553	290.562	ug/l	96
30) Chloroform	7.421	83	202440	56.301	ug/l	96
31) Cyclohexane	7.695	56	171539	45.799	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	172530	52.300	ug/l	100
36) 1,1-Dichloropropene	7.835	75	143691	48.494	ug/l	99
37) Ethyl Acetate	6.982	43	71726	50.310	ug/l	97
38) Carbon Tetrachloride	7.817	117	147865	48.210	ug/l	99
39) Methylcyclohexane	9.109	83	180031	45.224	ug/l	97
40) Benzene	8.079	78	456109	51.925	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.213	41	39846	42.134 ug/l	#	77
42) 1,2-Dichloroethane	8.152	62	126733	53.352 ug/l		99
43) Isopropyl Acetate	8.195	43	161047	51.797 ug/l	#	89
44) Trichloroethene	8.865	130	110550	50.616 ug/l		95
45) 1,2-Dichloropropane	9.140	63	108718	51.337 ug/l		97
46) Dibromomethane	9.231	93	61598	53.928 ug/l		98
47) Bromodichloromethane	9.420	83	155944	52.627 ug/l		97
48) Methyl methacrylate	9.219	41	75248	51.751 ug/l		94
49) 1,4-Dioxane	9.237	88	14407	1116.500 ug/l	#	86
51) 4-Methyl-2-Pentanone	9.993	43	412211	270.195 ug/l		98
52) Toluene	10.170	92	284515	51.150 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	147108	50.870 ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	169256	51.085 ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	78105	53.400 ug/l		98
56) Ethyl methacrylate	10.438	69	120471	52.876 ug/l		99
57) 1,3-Dichloropropane	10.713	76	138601	53.333 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	300672	294.015 ug/l		100
59) 2-Hexanone	10.755	43	270964	264.900 ug/l		98
60) Dibromochloromethane	10.908	129	101289	53.353 ug/l		99
61) 1,2-Dibromoethane	11.011	107	73769	54.113 ug/l		100
64) Tetrachloroethene	10.646	164	117020	48.141 ug/l		96
65) Chlorobenzene	11.438	112	298366	50.288 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	103057	50.525 ug/l		99
67) Ethyl Benzene	11.517	91	552037	49.681 ug/l		98
68) m/p-Xylenes	11.627	106	416782	99.542 ug/l		99
69) o-Xylene	11.950	106	200603	50.639 ug/l		99
70) Styrene	11.969	104	342456	51.248 ug/l		98
71) Bromoform	12.133	173	58041	52.719 ug/l	#	99
73) Isopropylbenzene	12.249	105	506442	49.232 ug/l		100
74) N-amyl acetate	12.066	43	145082	49.313 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86108	54.429 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	122211	97.150 ug/l	#	100
77) Bromobenzene	12.529	156	111837	50.903 ug/l		100
78) n-propylbenzene	12.590	91	615206	49.582 ug/l		99
79) 2-Chlorotoluene	12.676	91	339182	49.744 ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	405753	48.863 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	28728	46.262 ug/l		100
82) 4-Chlorotoluene	12.773	91	345271	49.230 ug/l		98
83) tert-Butylbenzene	12.993	119	369198	50.023 ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	411972	49.978 ug/l		98
85) sec-Butylbenzene	13.176	105	538476	49.149 ug/l		100
86) p-Isopropyltoluene	13.291	119	449798	48.814 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	224283	50.006 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	217882	50.503 ug/l		98
89) n-Butylbenzene	13.615	91	423157	48.542 ug/l		99
90) Hexachloroethane	13.877	117	91050	48.950 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	193609	51.391 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13510	52.958 ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	107697	49.489 ug/l		100
94) Hexachlorobutadiene	15.023	225	56596	46.635 ug/l		98
95) Naphthalene	15.139	128	217144	52.582 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	93303	50.540 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

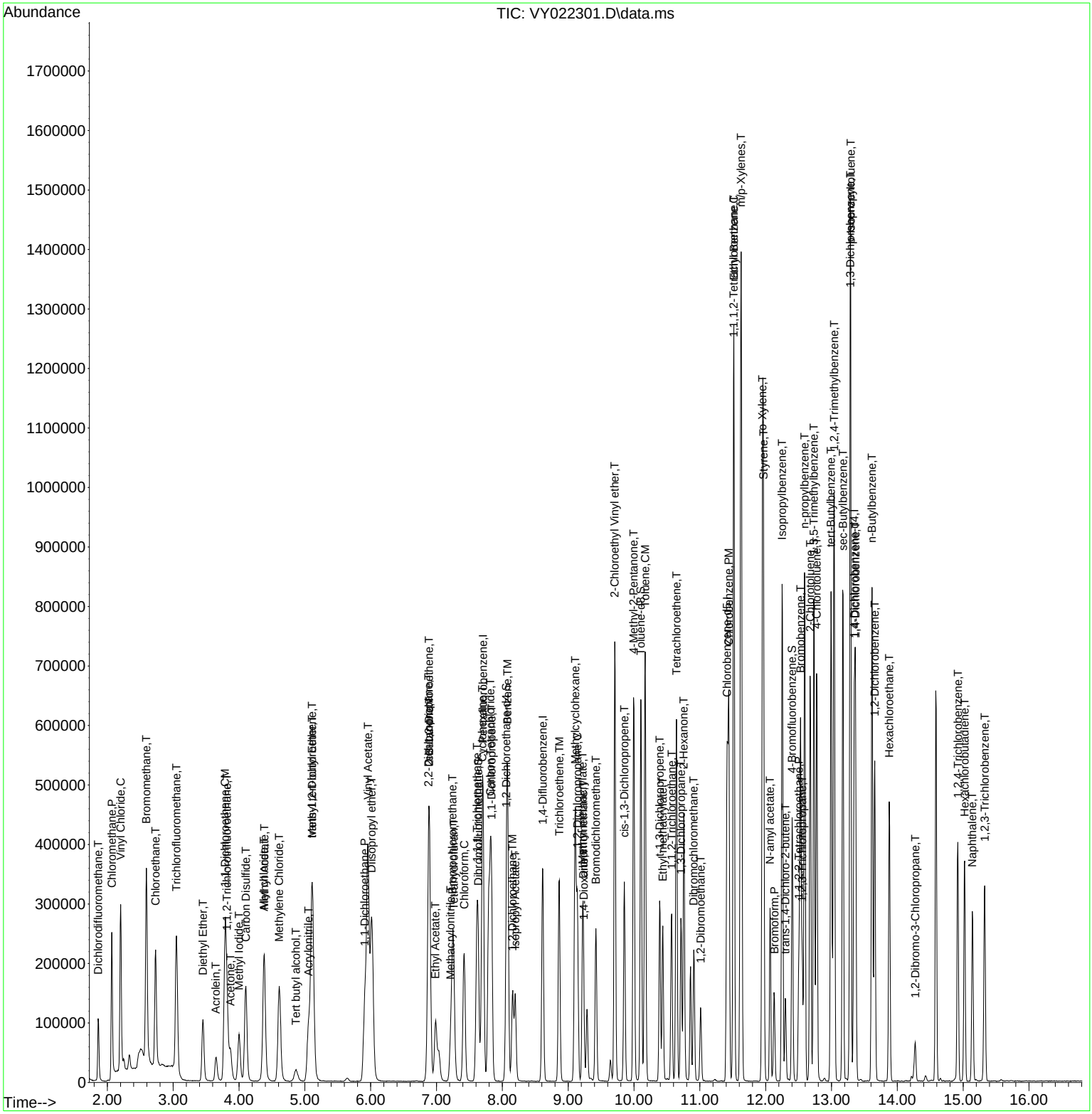
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

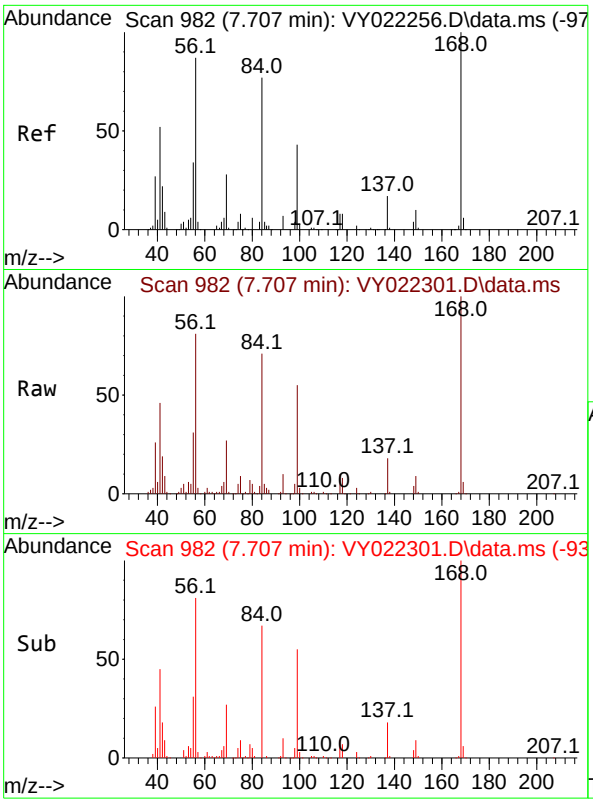
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022301.D
Acq On : 16 May 2025 19:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 17 01:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



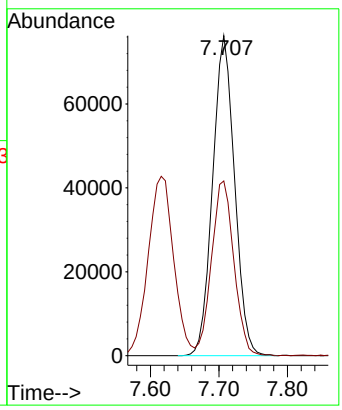


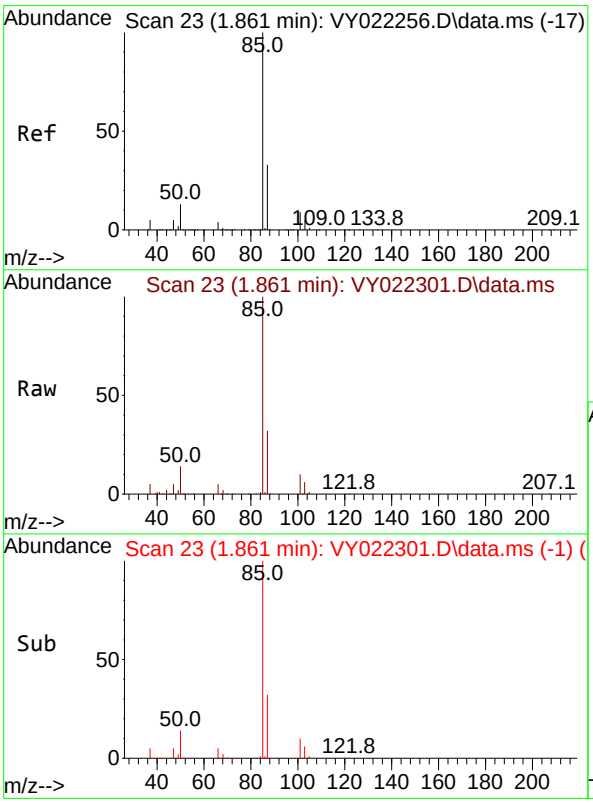
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 169408

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.2	66.4

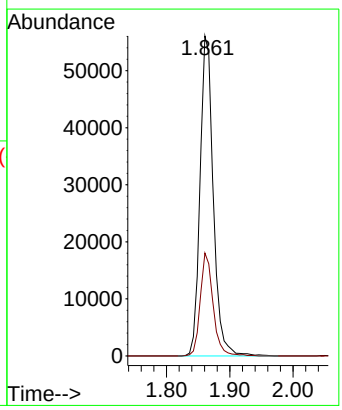


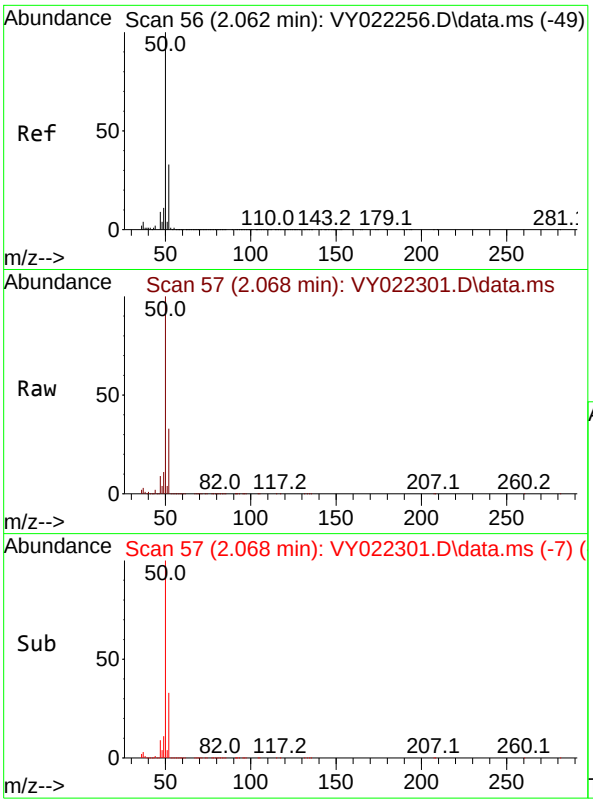


#2
Dichlorodifluoromethane
Concen: 46.326 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 85 Resp: 81891

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.5	49.5



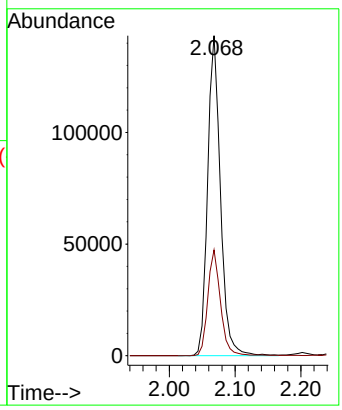


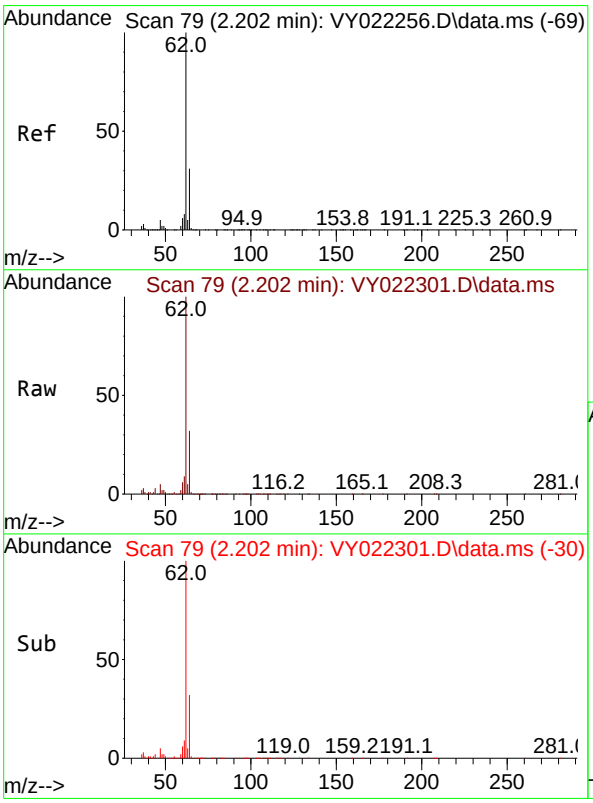
#3
Chloromethane
Concen: 52.264 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 194341

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.5	39.7

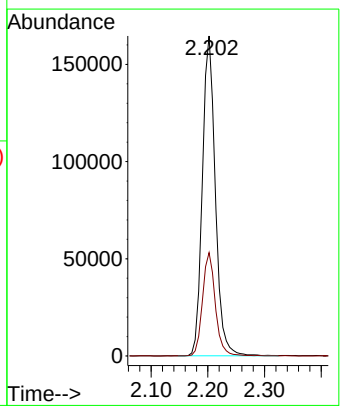


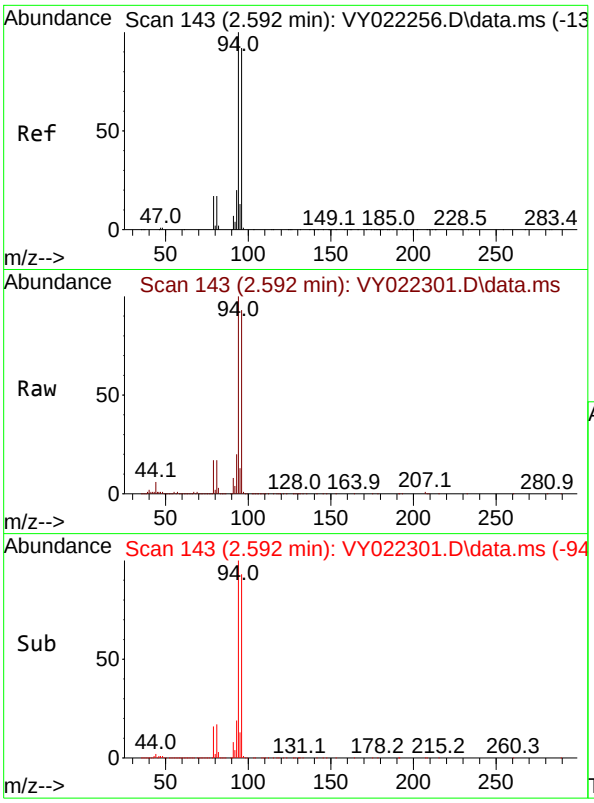


#4
Vinyl Chloride
Concen: 62.949 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 62 Resp: 261518

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.5	36.7



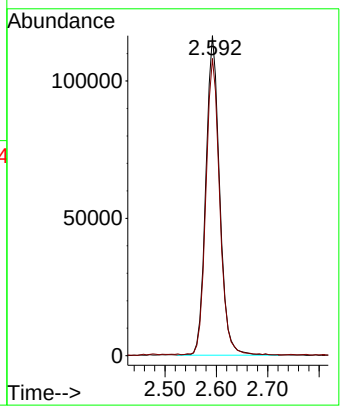


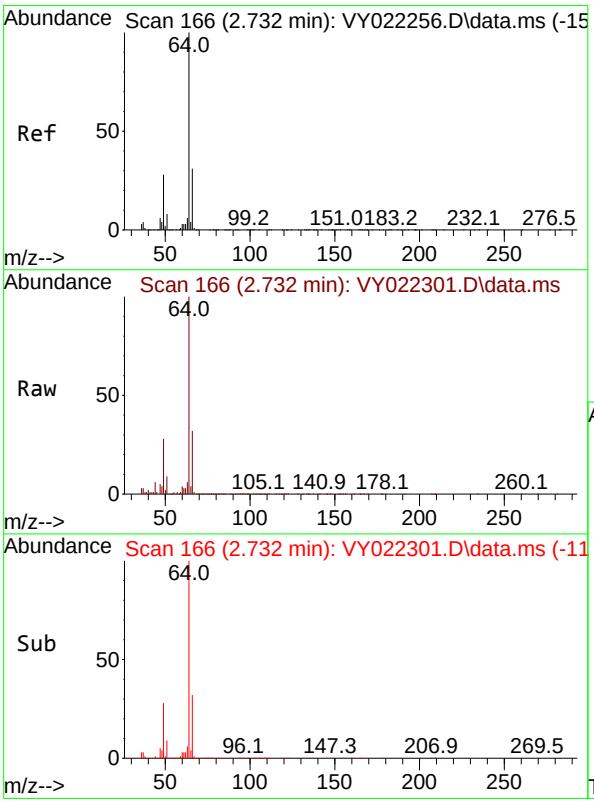
#5
Bromomethane
Concen: 63.984 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 216391

Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.4	110.0

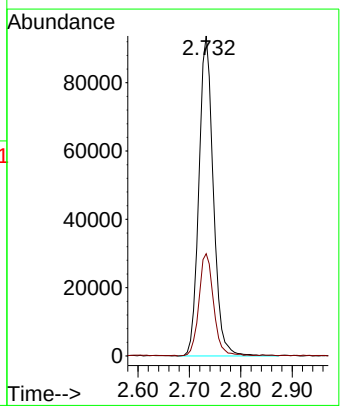


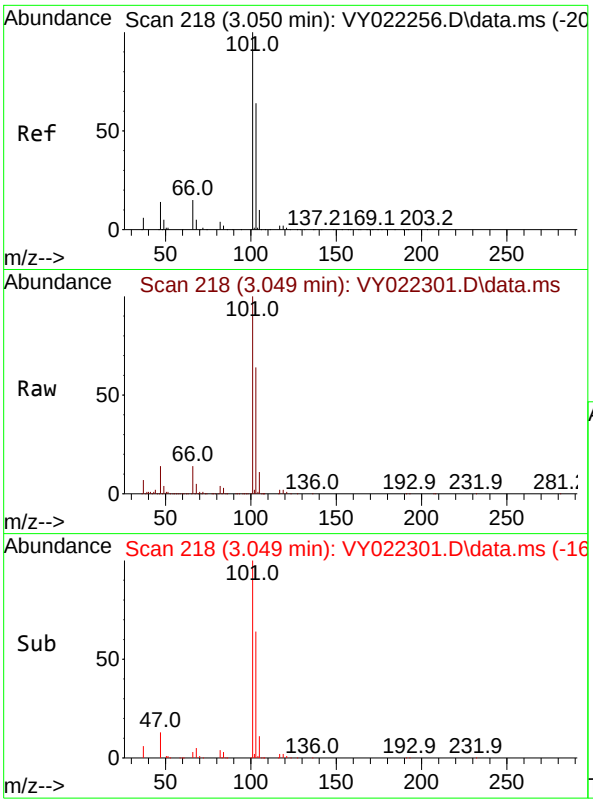


#6
Chloroethane
Concen: 70.518 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 64 Resp: 182258

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.8	37.2



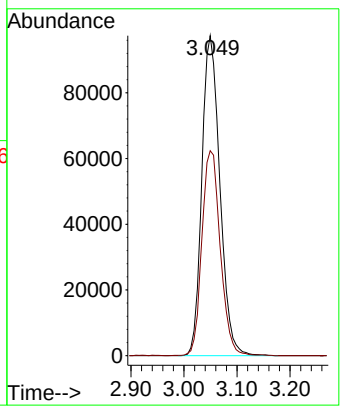


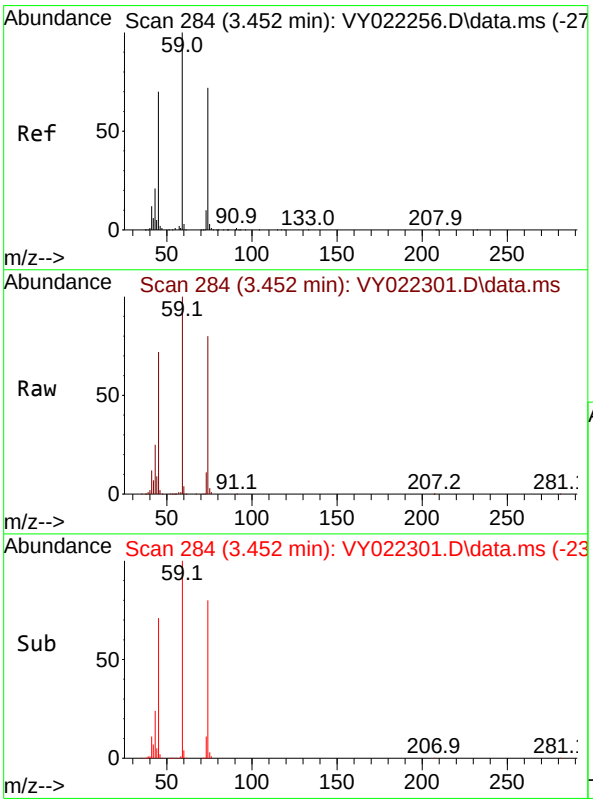
#7
Trichlorofluoromethane
Concen: 54.643 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 229841

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

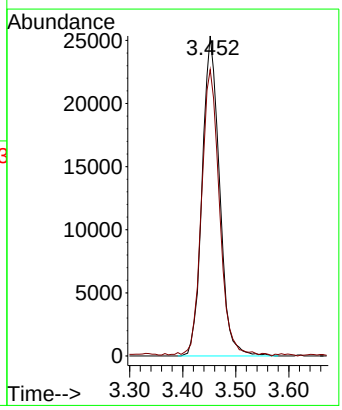


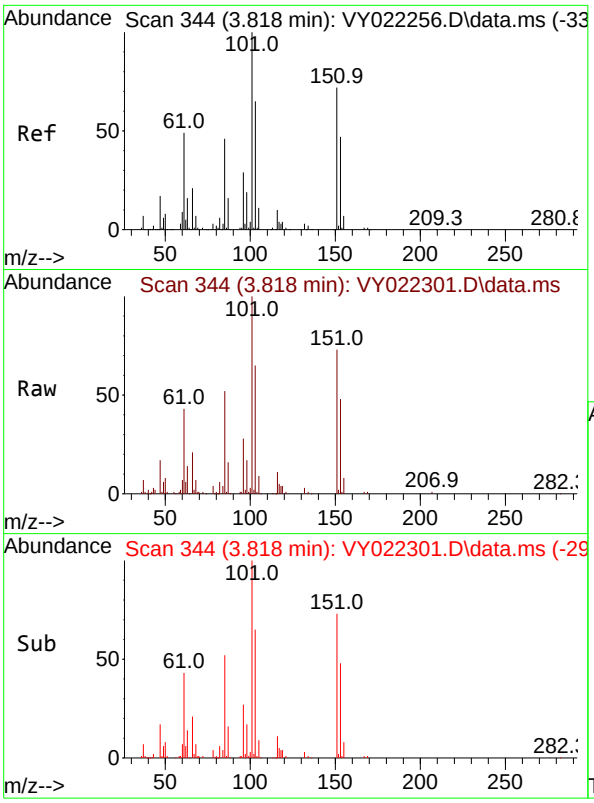


#8
Diethyl Ether
Concen: 57.015 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 74 Resp: 57553

Ion	Ratio	Lower	Upper
74	100		
45	91.3	48.6	145.8



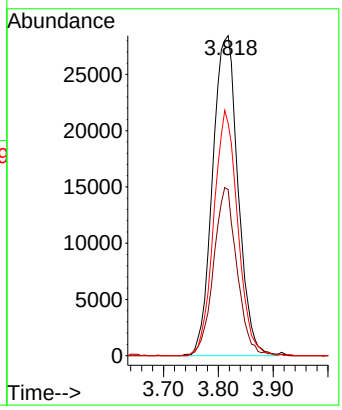


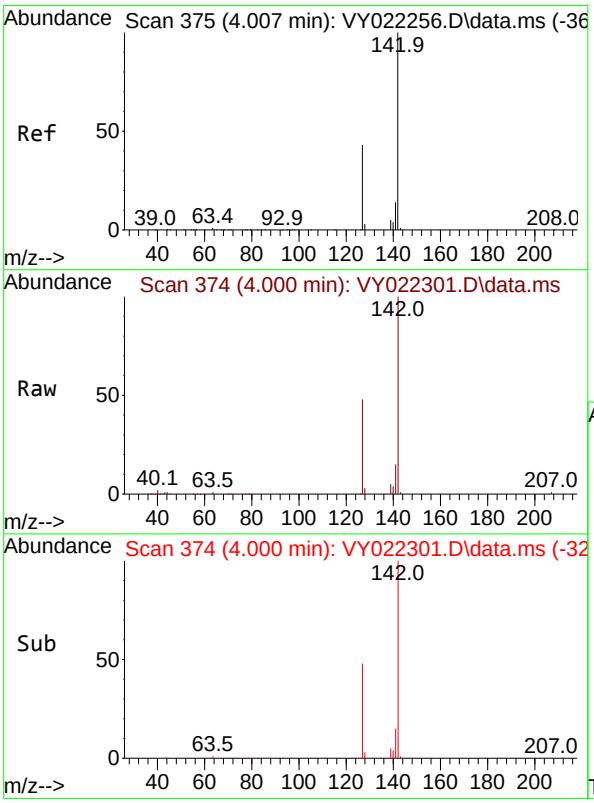
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.304 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 91858

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	72.4	59.7	89.5

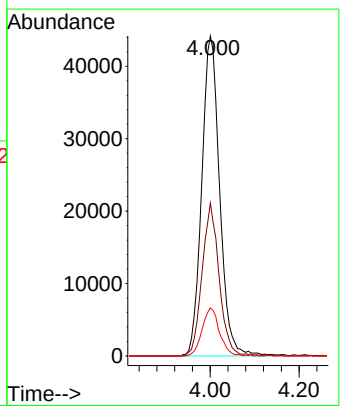


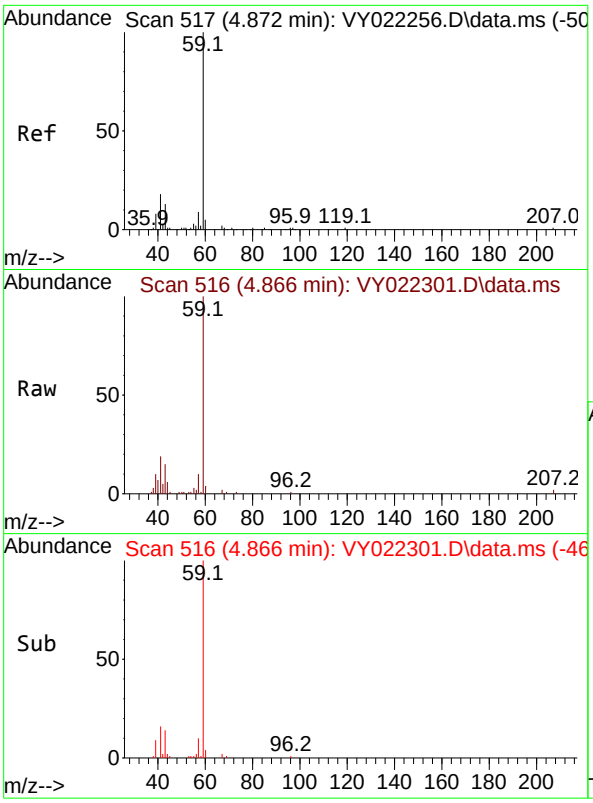


#10
Methyl Iodide
Concen: 58.800 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:142 Resp: 124272

Ion	Ratio	Lower	Upper
142	100		
127	44.9	35.7	53.5
141	14.6	11.1	16.7



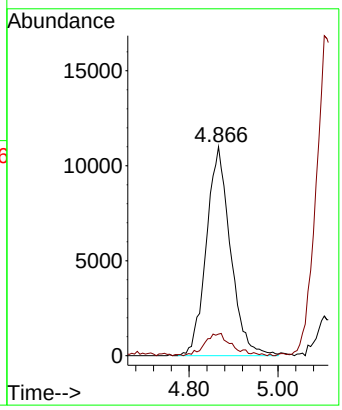


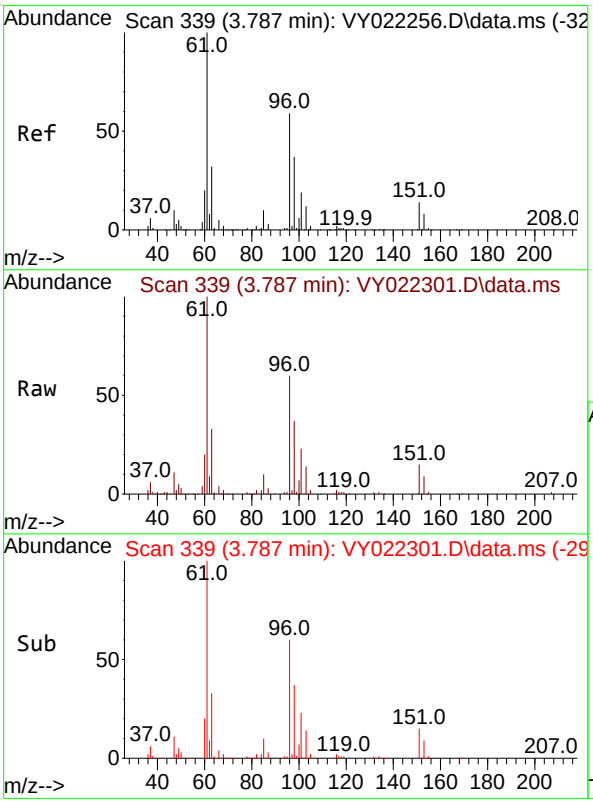
#11
Tert butyl alcohol
Concen: 293.143 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 41446

Ion	Ratio	Lower	Upper
59	100		
57	10.8	0.0	0.0#

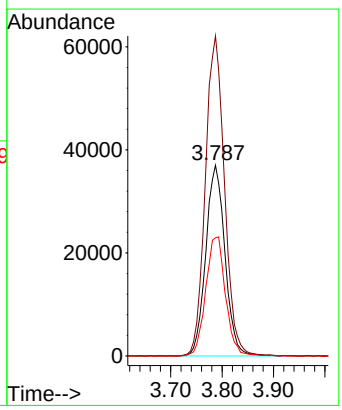


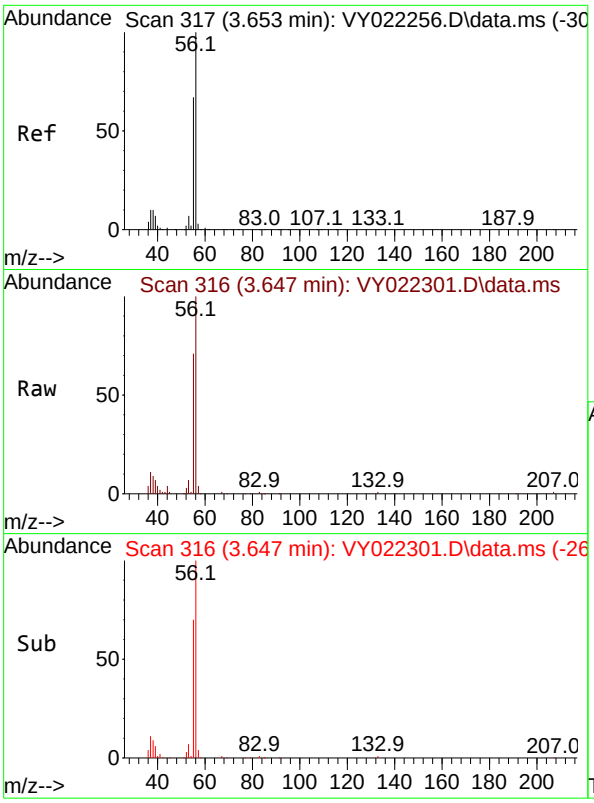


#12
1,1-Dichloroethene
Concen: 53.144 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 96 Resp: 96302

Ion	Ratio	Lower	Upper
96	100		
61	167.7	134.9	202.3
98	62.0	49.9	74.9



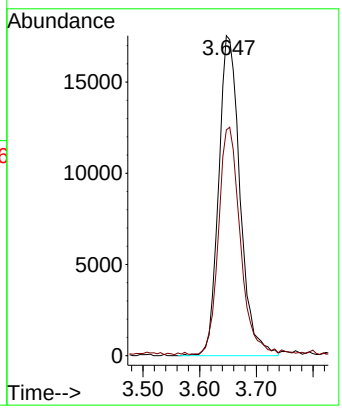


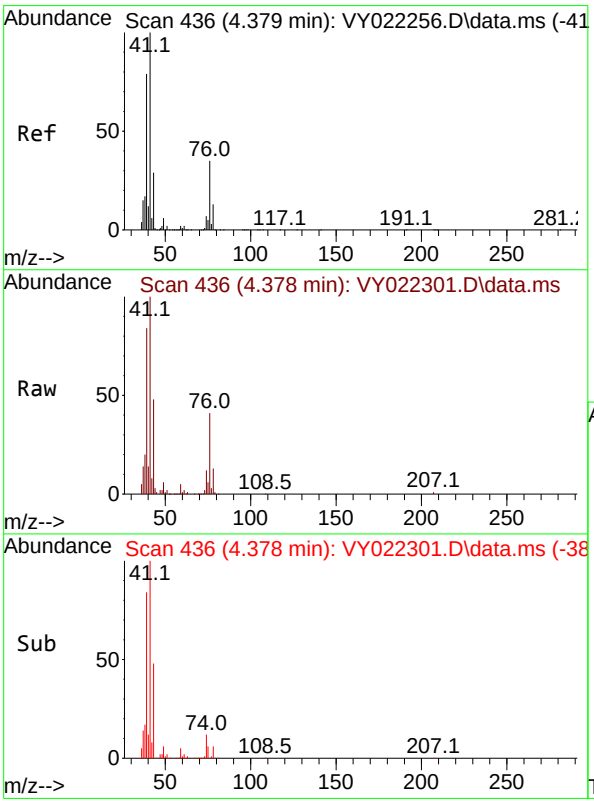
#13
Acrolein
Concen: 221.842 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 45853

Ion	Ratio	Lower	Upper
56	100		
55	71.9	55.6	83.4

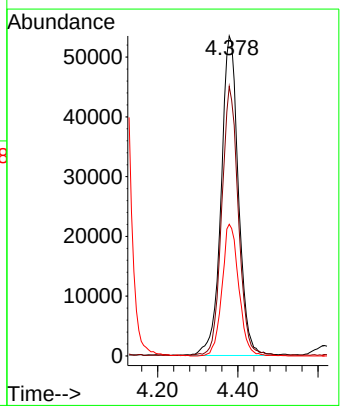


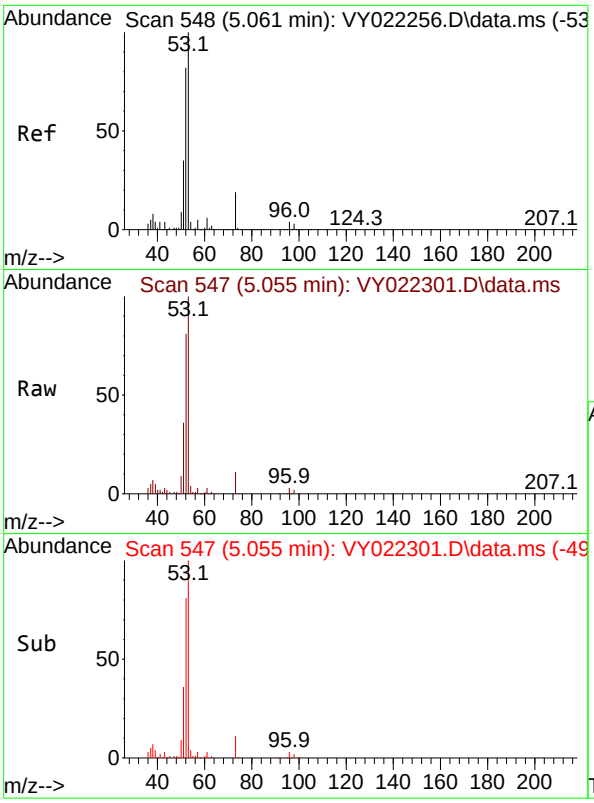


#14
Allyl chloride
Concen: 50.390 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 41 Resp: 160107

Ion	Ratio	Lower	Upper
41	100		
39	80.8	63.4	95.0
76	39.8	29.5	44.3



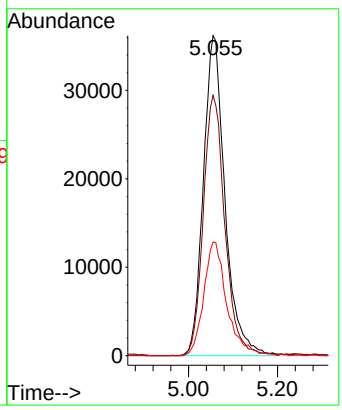


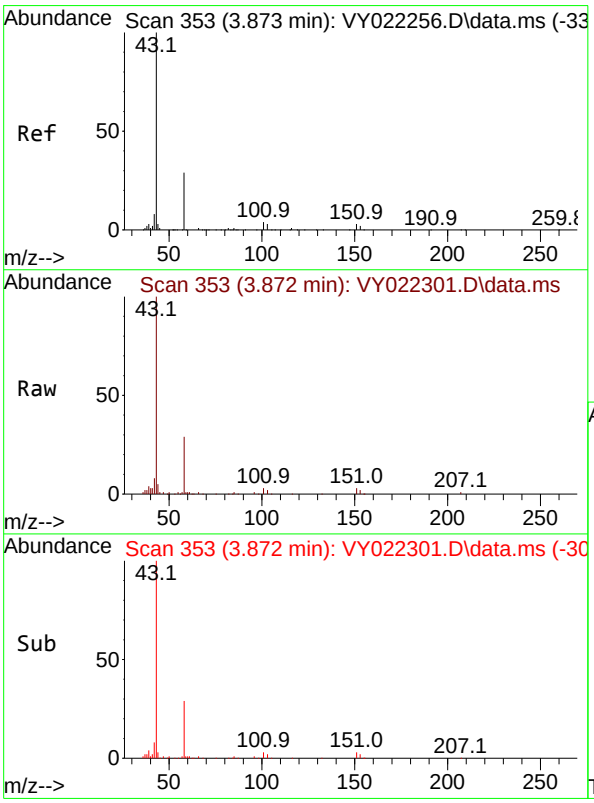
#15
Acrylonitrile
Concen: 294.229 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 122379

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.1	99.1
51	38.0	30.0	45.0

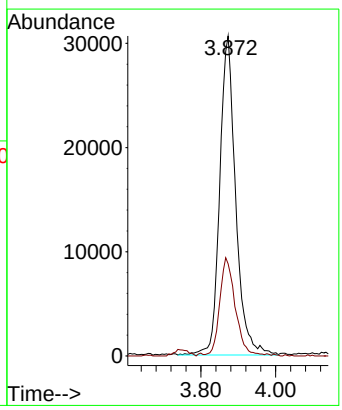


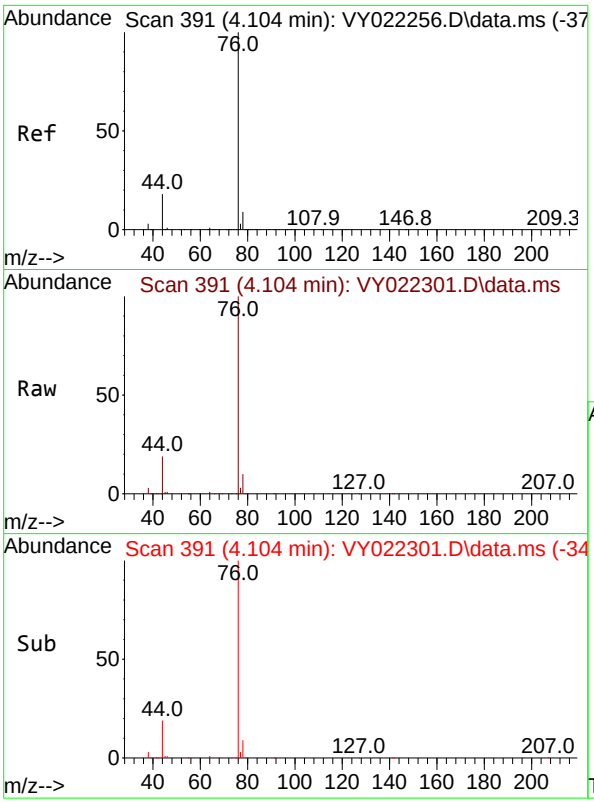


#16
Acetone
Concen: 261.381 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 90742

Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.6	35.4



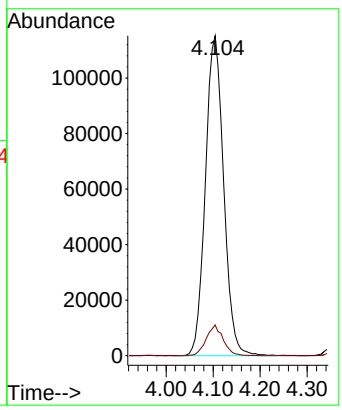


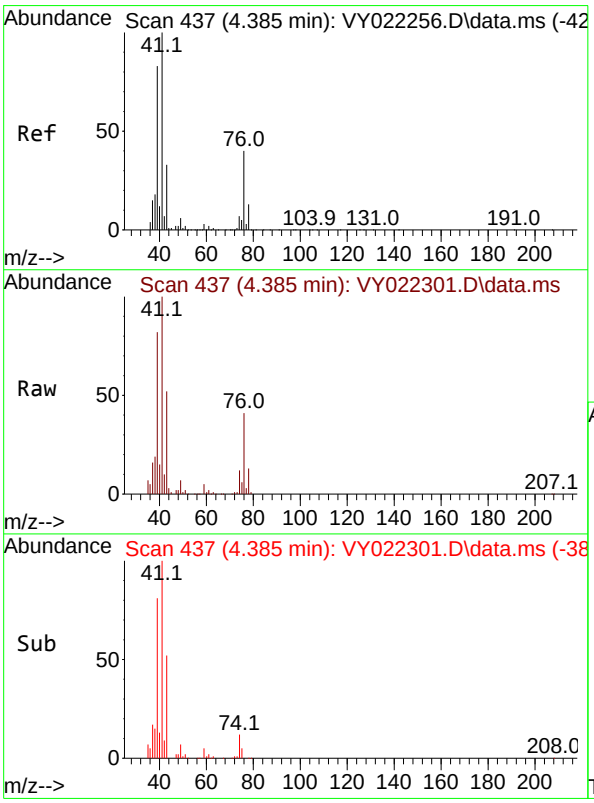
#17
Carbon Disulfide
Concen: 52.482 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 310118

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

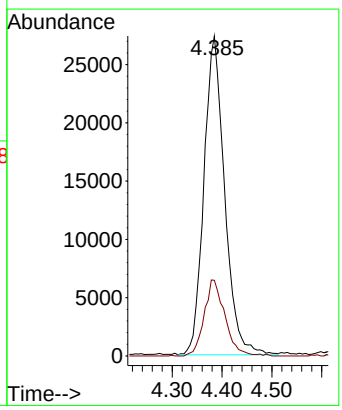


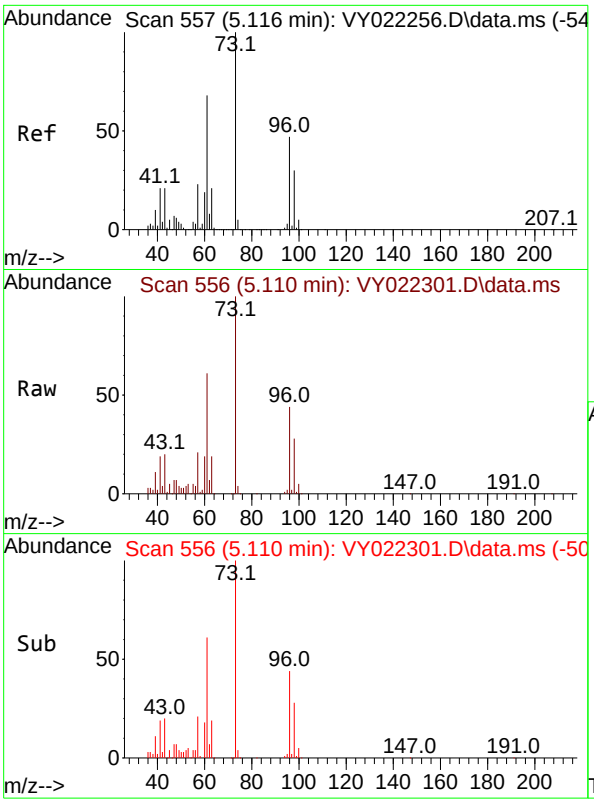


#18
Methyl Acetate
Concen: 72.098 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 78917

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.2	27.4



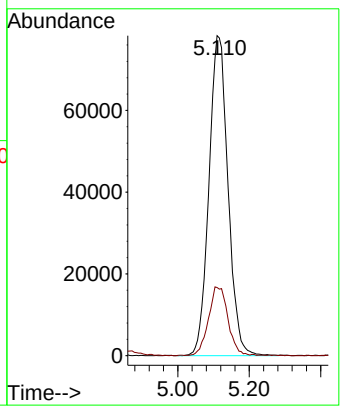


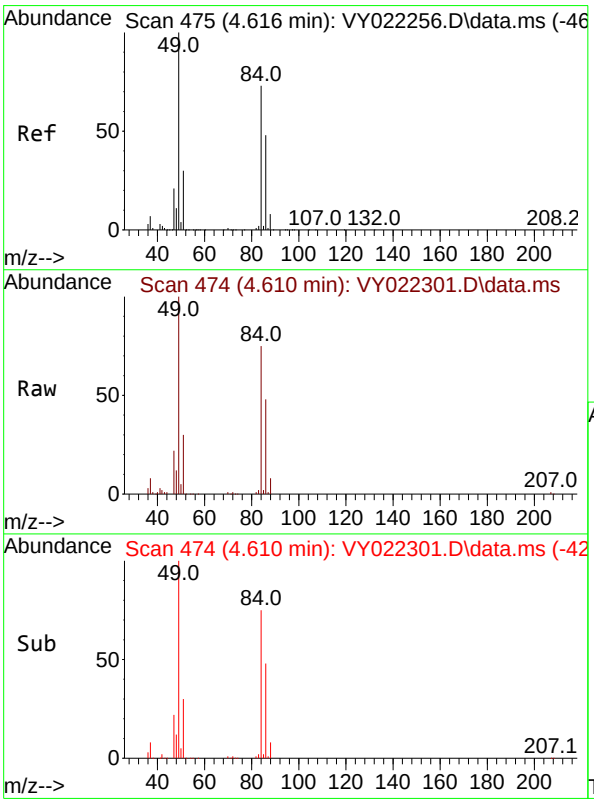
#19
Methyl tert-butyl Ether
Concen: 57.942 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 289508

Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.6	28.0

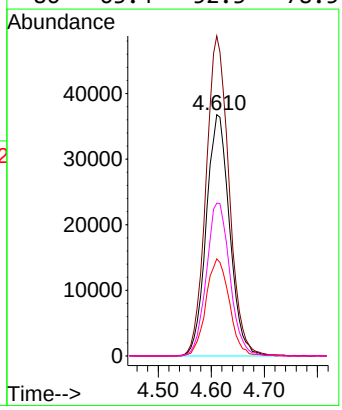


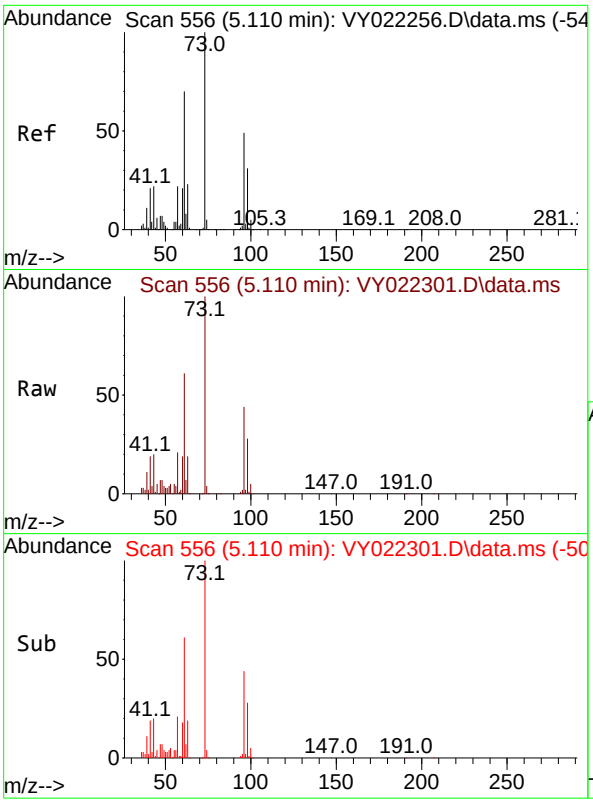


#20
Methylene Chloride
Concen: 50.040 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 84 Resp: 112252

Ion	Ratio	Lower	Upper
84	100		
49	132.5	109.6	164.4
51	40.2	32.4	48.6
86	63.4	52.3	78.5



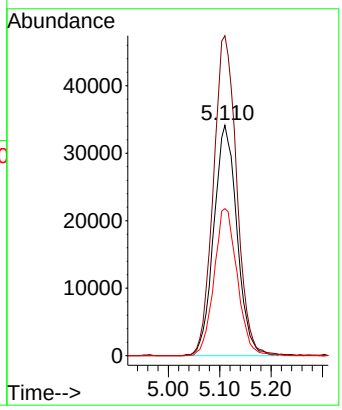


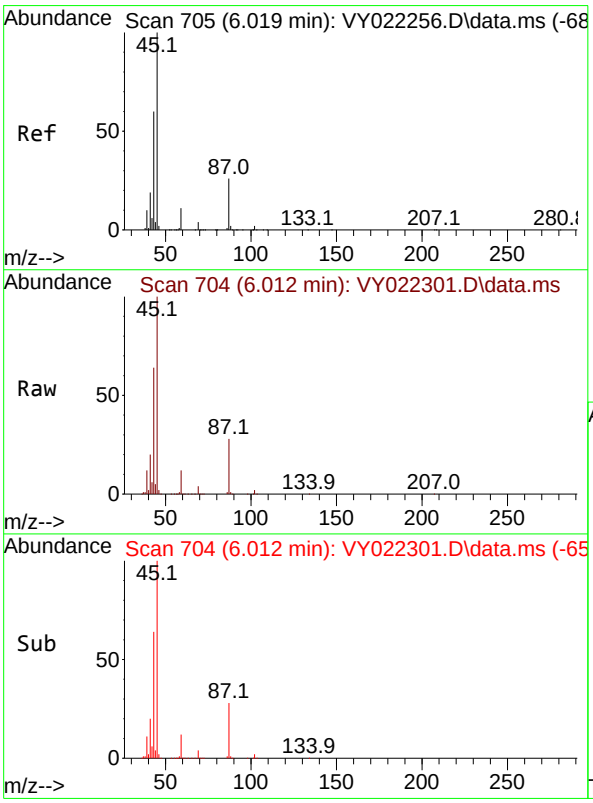
#21
trans-1,2-Dichloroethene
Concen: 53.696 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 107400

Ion	Ratio	Lower	Upper
96	100		
61	138.9	113.4	170.0
98	63.8	50.9	76.3

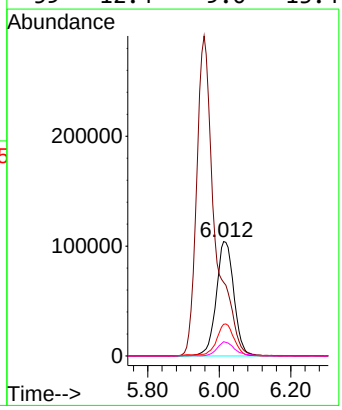


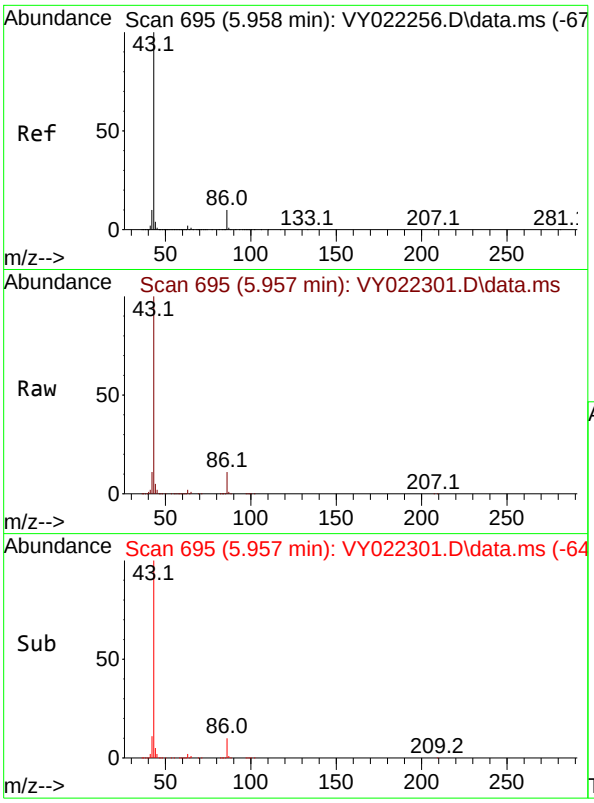


#22
Diisopropyl ether
Concen: 53.264 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 45 Resp: 357394

Ion	Ratio	Lower	Upper
45	100		
43	64.1	48.2	72.2
87	27.7	21.4	32.0
59	12.4	9.0	13.4



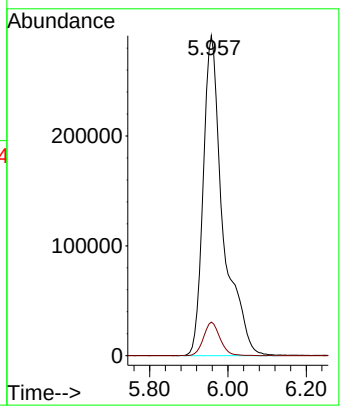


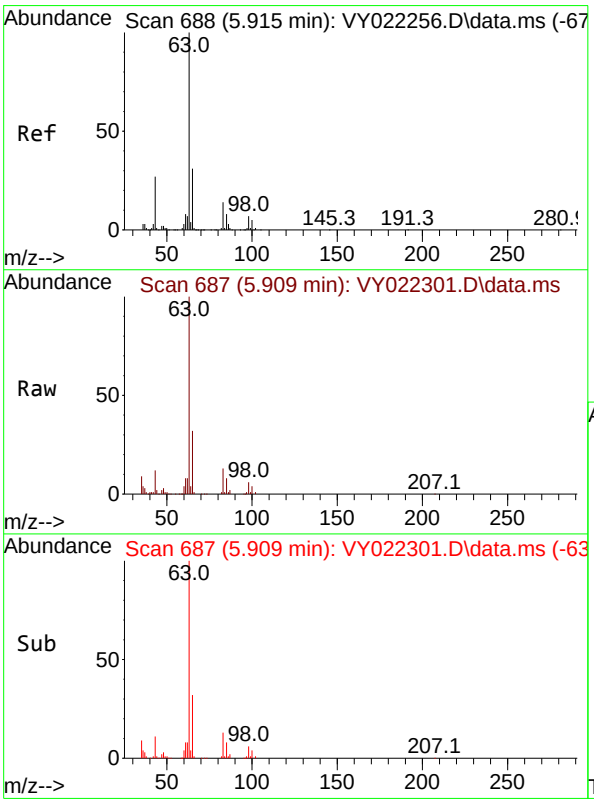
#23
Vinyl Acetate
Concen: 252.608 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1023992

Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.8	11.8

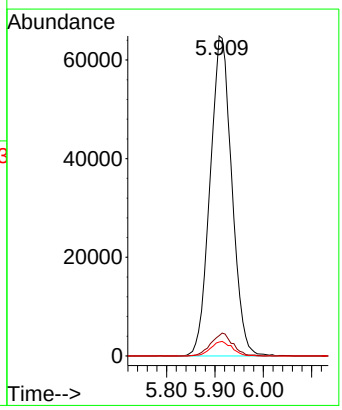


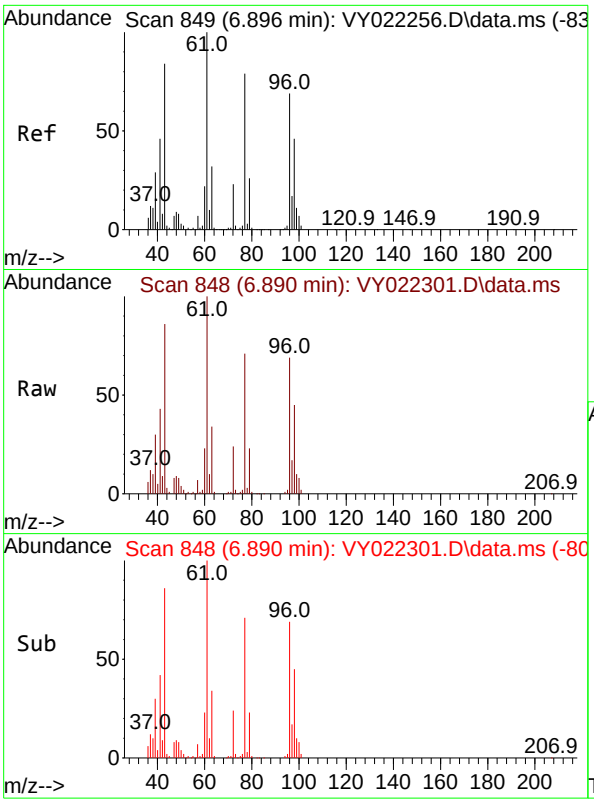


#24
1,1-Dichloroethane
Concen: 53.998 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 63 Resp: 202421

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.4	2.4	7.2



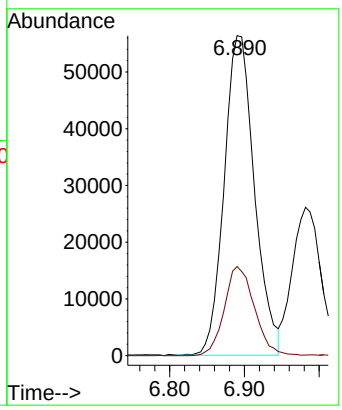


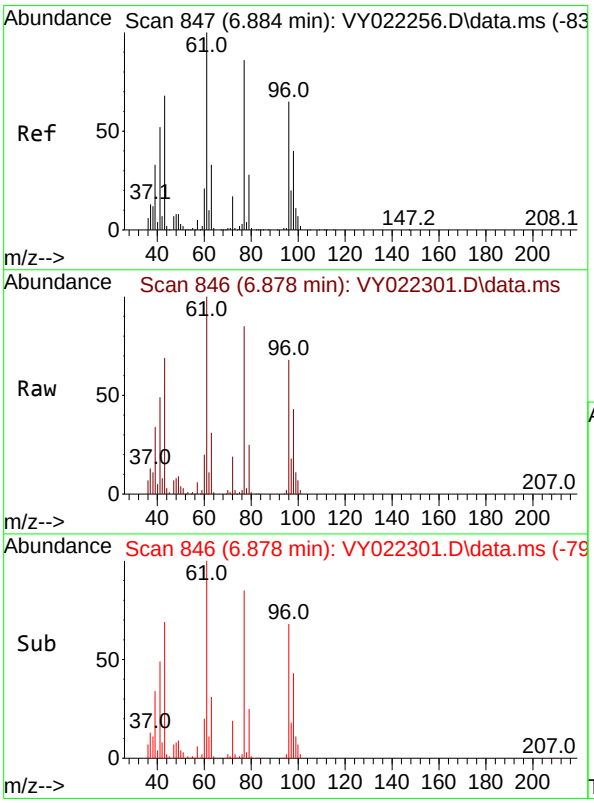
#25
2-Butanone
Concen: 273.834 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 159016

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.1	33.1

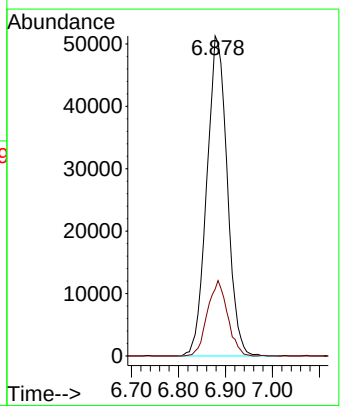


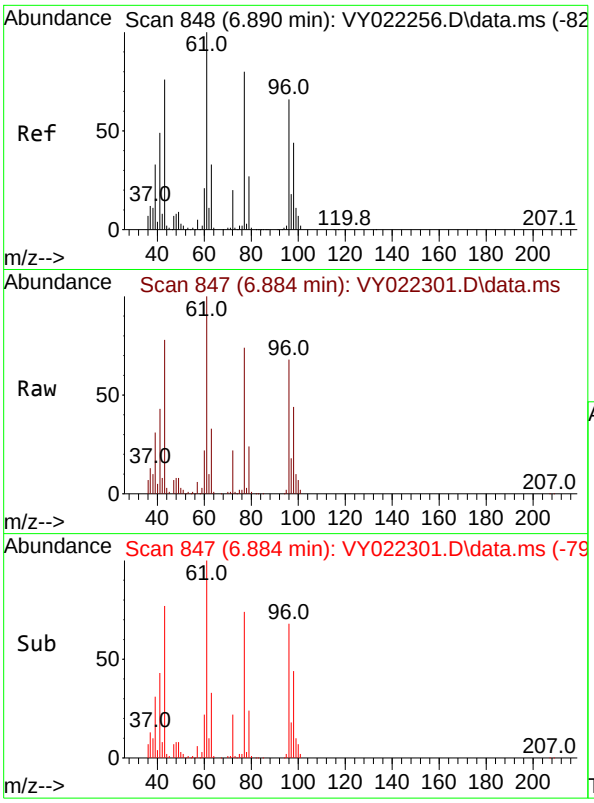


#26
2,2-Dichloropropane
Concen: 46.353 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 77 Resp: 154549

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.2	33.5



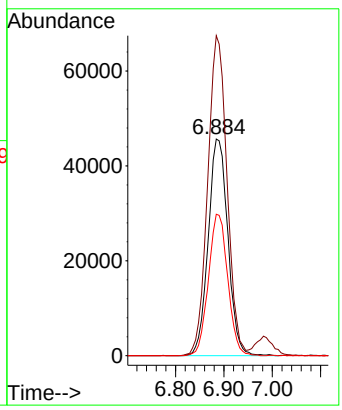


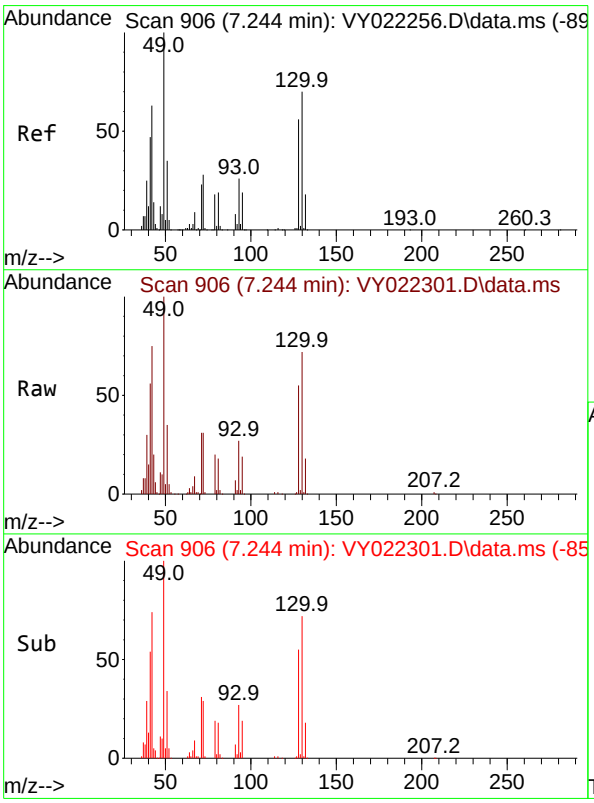
#27
cis-1,2-Dichloroethene
Concen: 55.900 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 129025

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	302.6
98	64.1	0.0	128.8

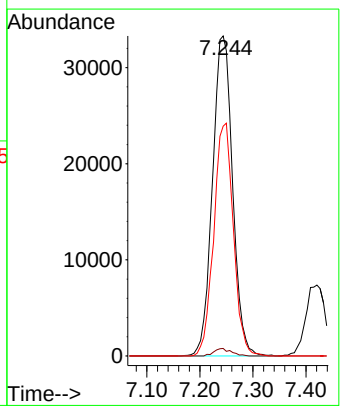


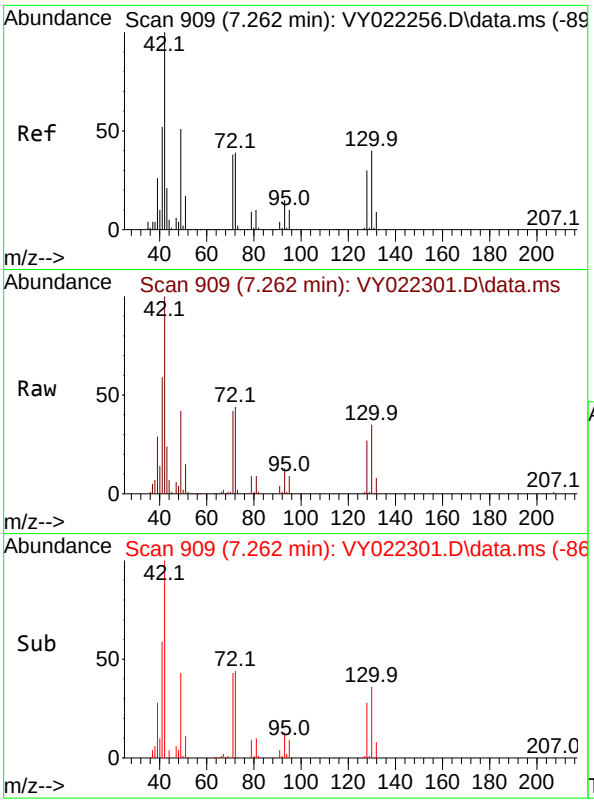


#28
Bromochloromethane
Concen: 54.788 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 49 Resp: 87604

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	71.0	54.7	82.1



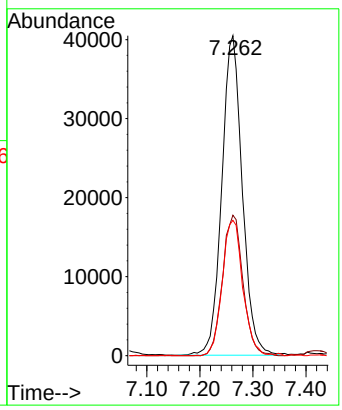


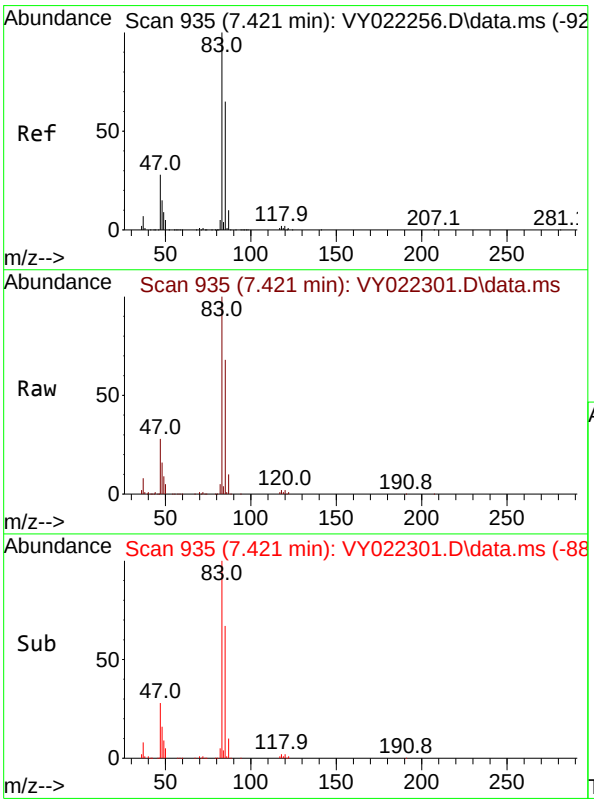
#29
Tetrahydrofuran
Concen: 290.562 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 108553

Ion	Ratio	Lower	Upper
42	100		
72	44.1	33.8	50.6
71	42.5	31.5	47.3

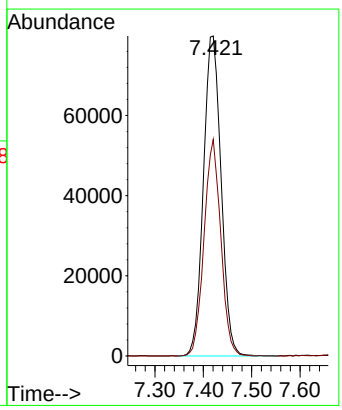


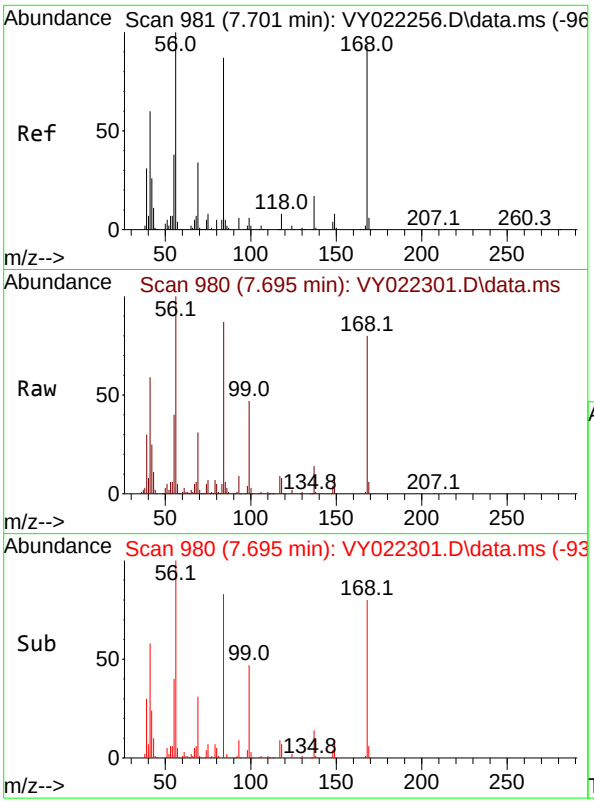


#30
Chloroform
Concen: 56.301 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 83 Resp: 202440

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.8



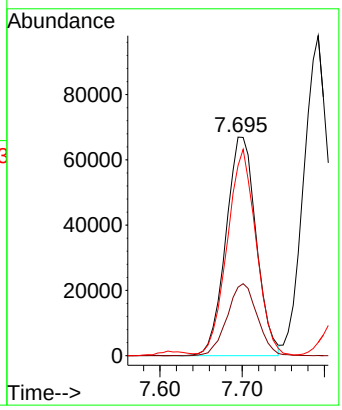


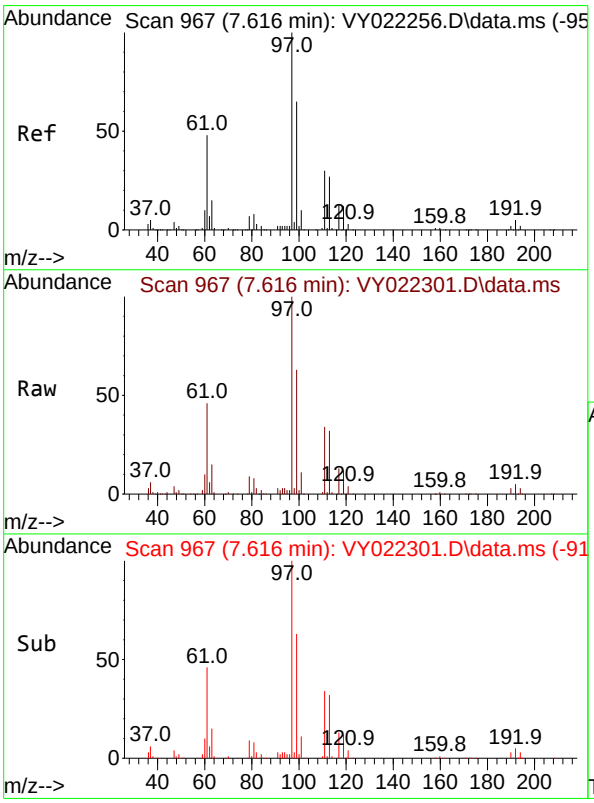
#31
Cyclohexane
Concen: 45.799 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 171539

Ion	Ratio	Lower	Upper
56	100		
69	31.3	27.4	41.2
84	85.2	70.0	105.0

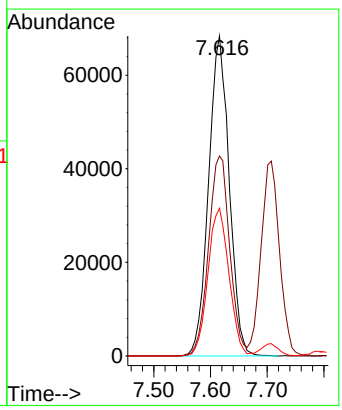


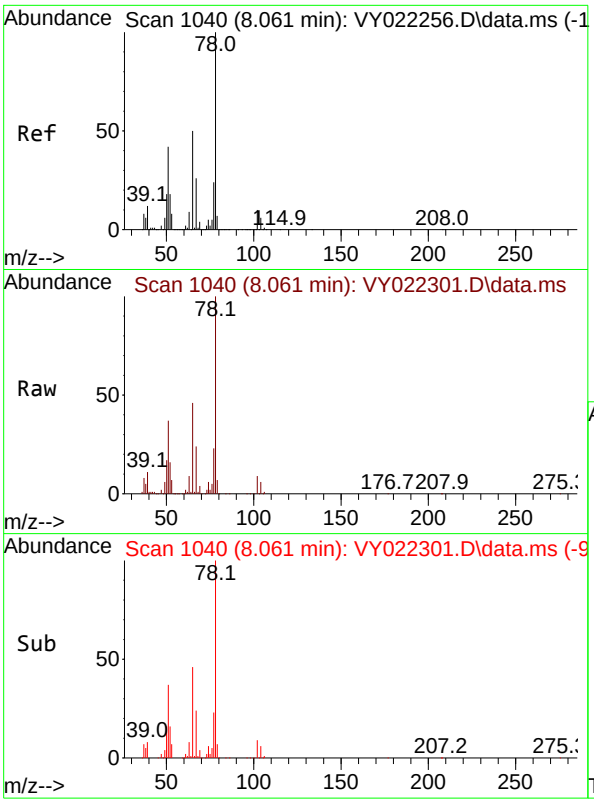


#32
1,1,1-Trichloroethane
Concen: 52.300 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 97 Resp: 172530

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.3	38.1	57.1



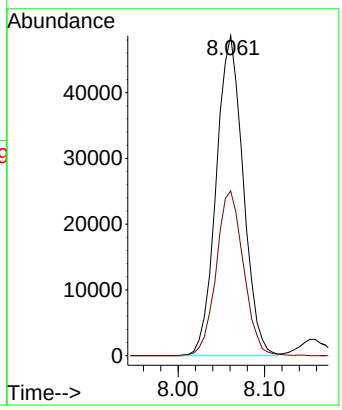


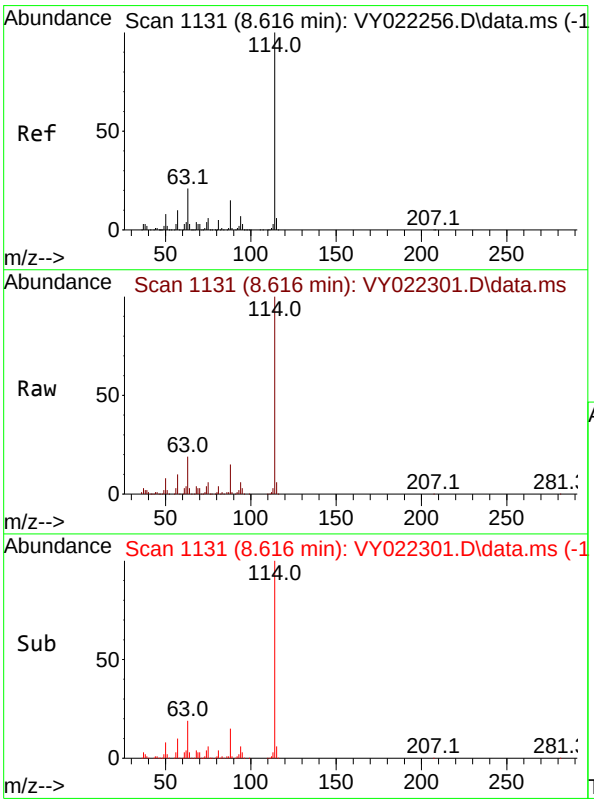
#33
1,2-Dichloroethane-d4
Concen: 56.783 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 105132

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6

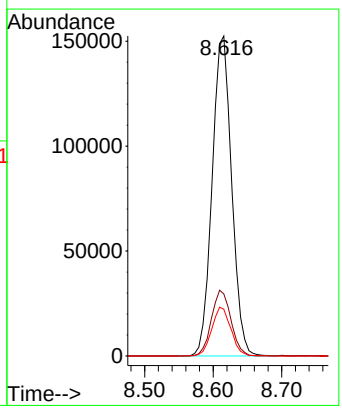


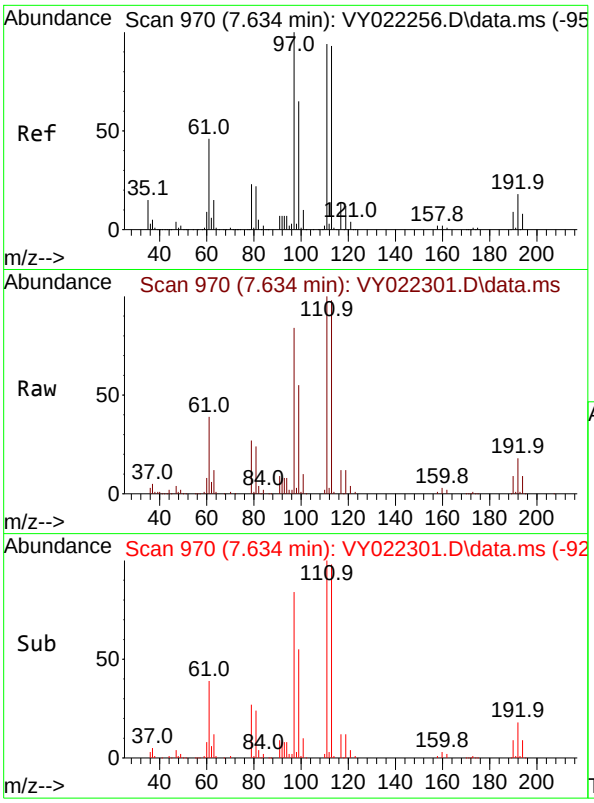


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:114 Resp: 301400

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.0
88	14.6	0.0	29.4



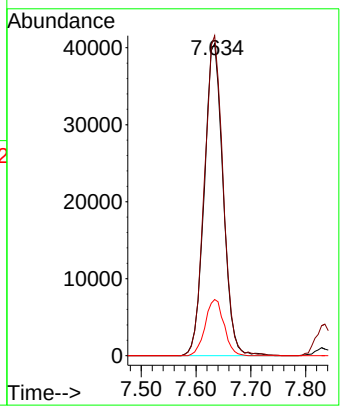


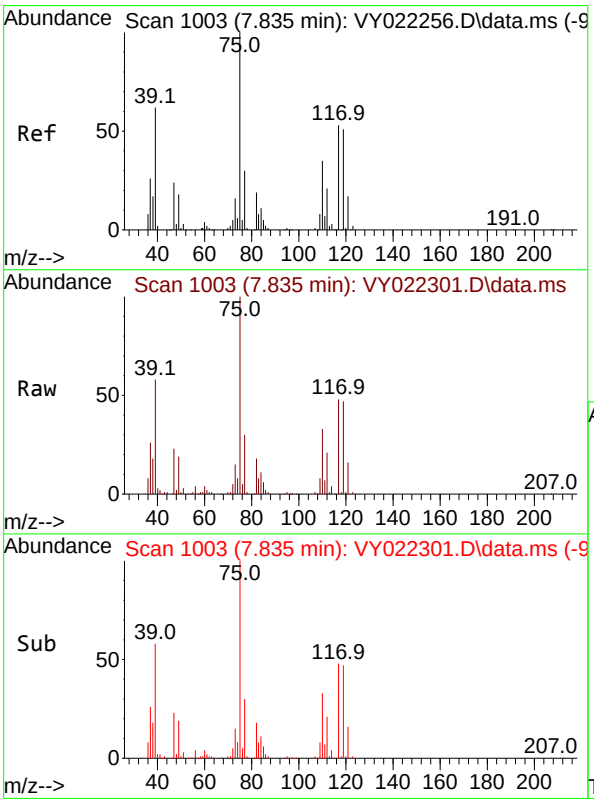
#35
Dibromofluoromethane
Concen: 53.347 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 95967

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	18.1	15.2	22.8

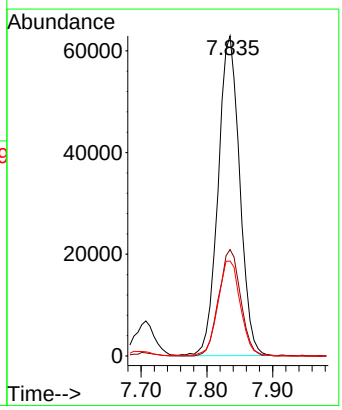


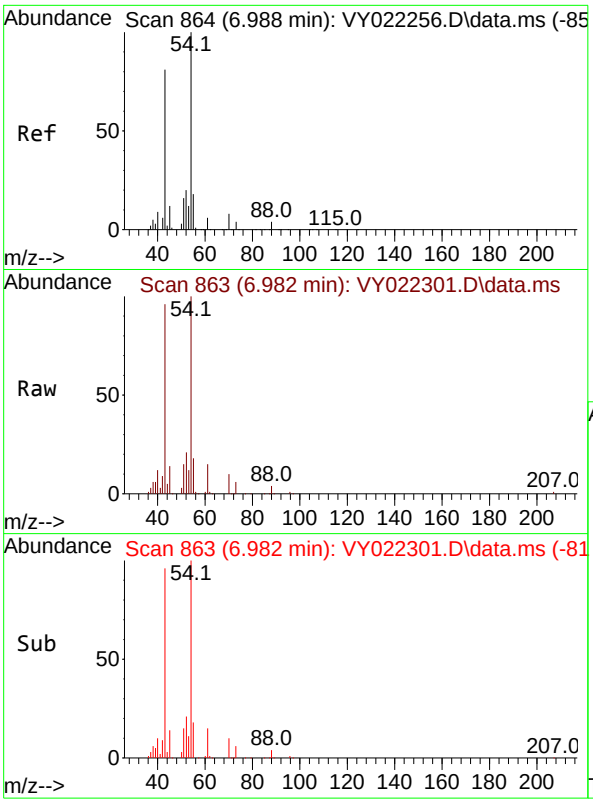


#36
1,1-Dichloropropene
Concen: 48.494 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 143691

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.6	49.8
77	31.1	24.6	37.0



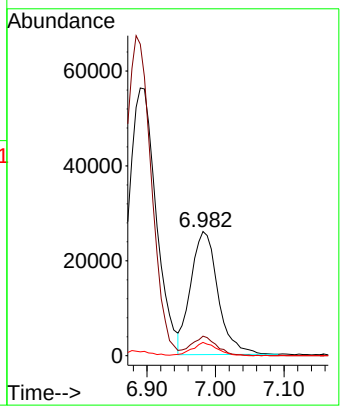


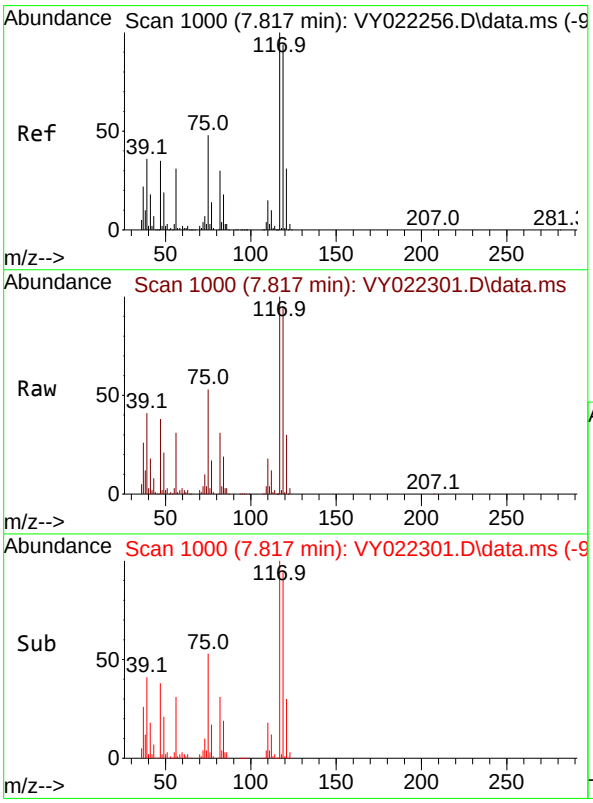
#37
Ethyl Acetate
Concen: 50.310 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 71726

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	9.8	7.6	11.4

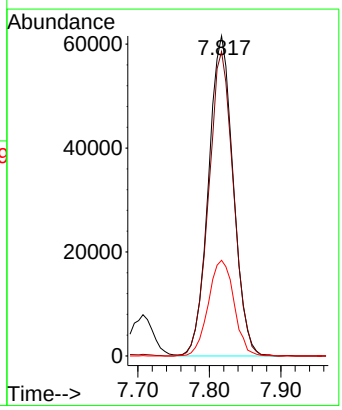


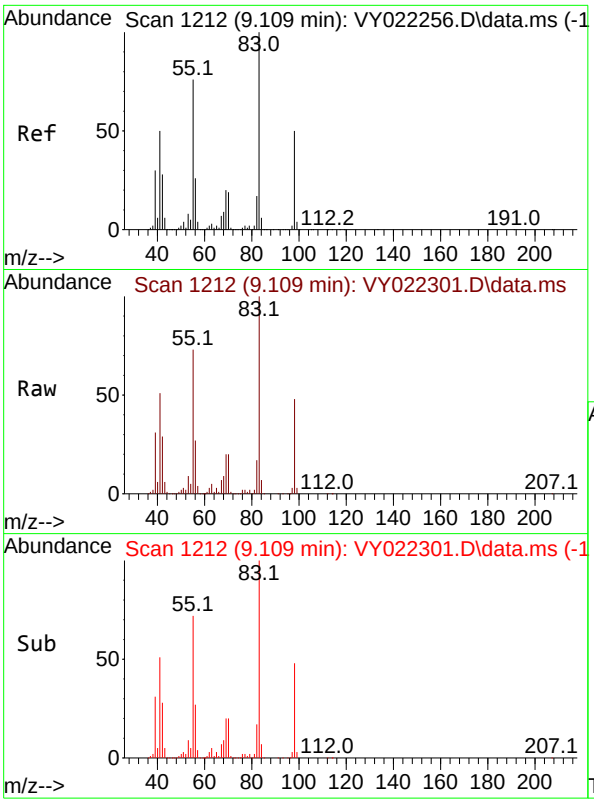


#38
Carbon Tetrachloride
Concen: 48.210 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:117 Resp: 147865

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.3	112.9
121	29.9	24.7	37.1



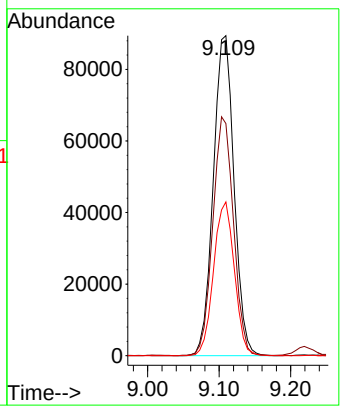


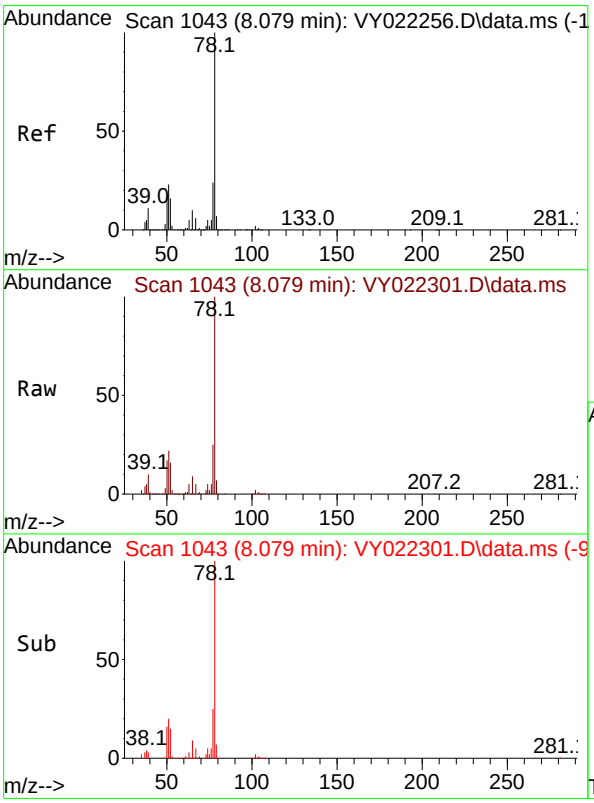
#39
Methylcyclohexane
Concen: 45.224 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 180031

Ion	Ratio	Lower	Upper
83	100		
55	72.6	60.6	90.8
98	48.0	40.0	60.0

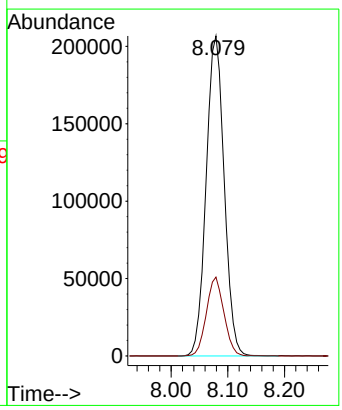


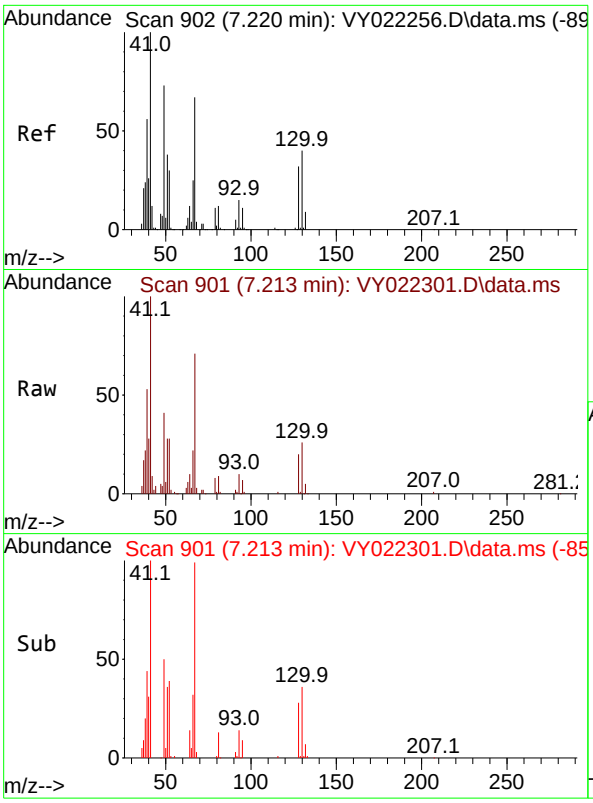


#40
Benzene
Concen: 51.925 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 78 Resp: 456109

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3



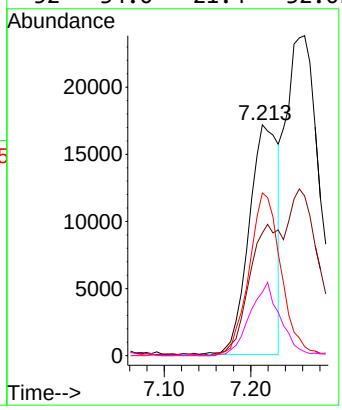


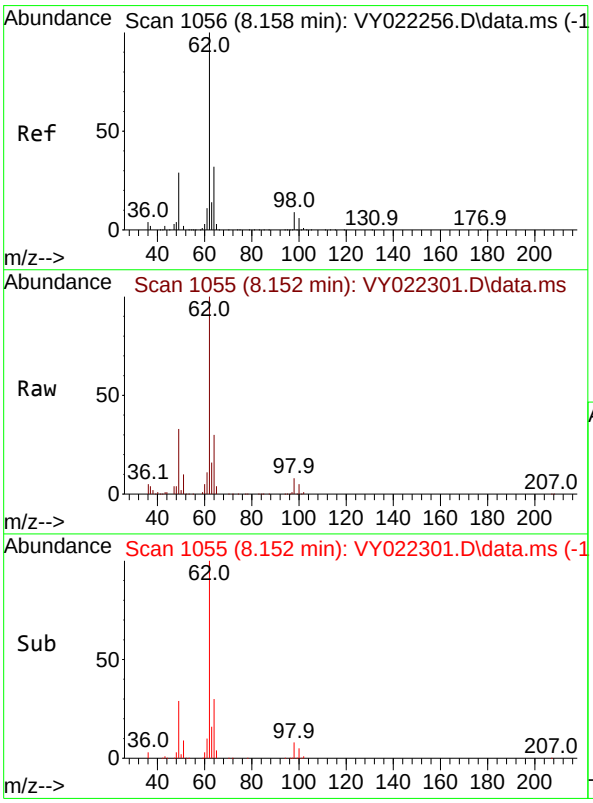
#41
Methacrylonitrile
Concen: 42.134 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 39846

Ion	Ratio	Lower	Upper
41	100		
39	65.5	39.1	58.7#
67	77.9	47.1	70.7#
52	34.0	21.4	32.0#

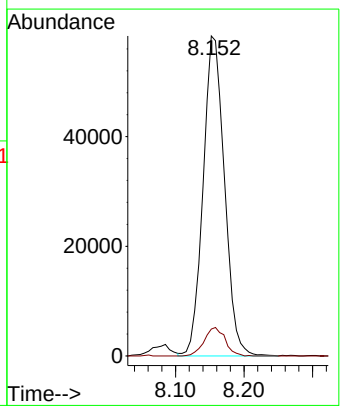


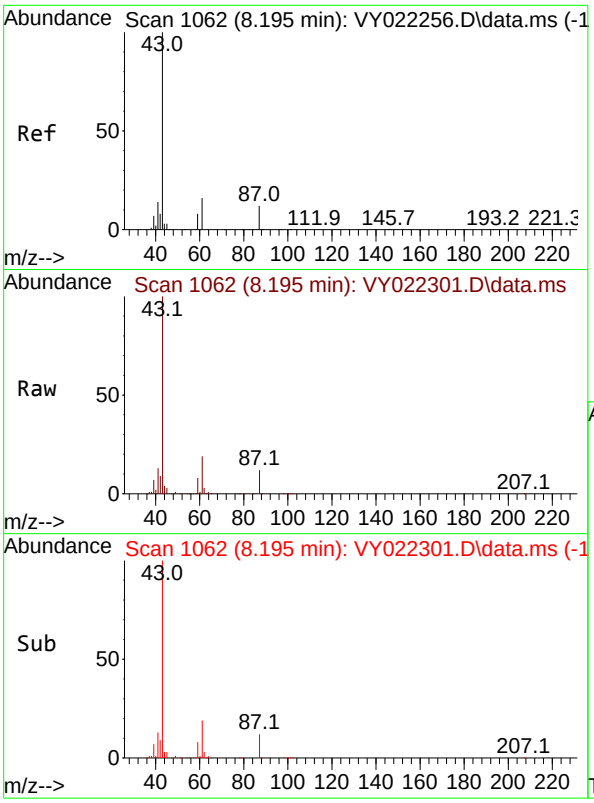


#42
1,2-Dichloroethane
Concen: 53.352 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 62 Resp: 126733

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4



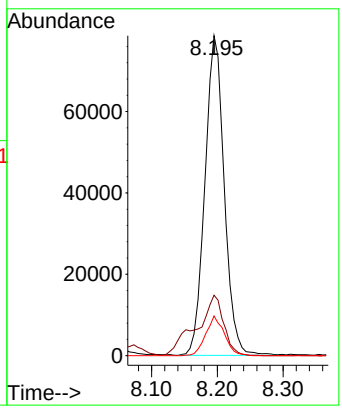


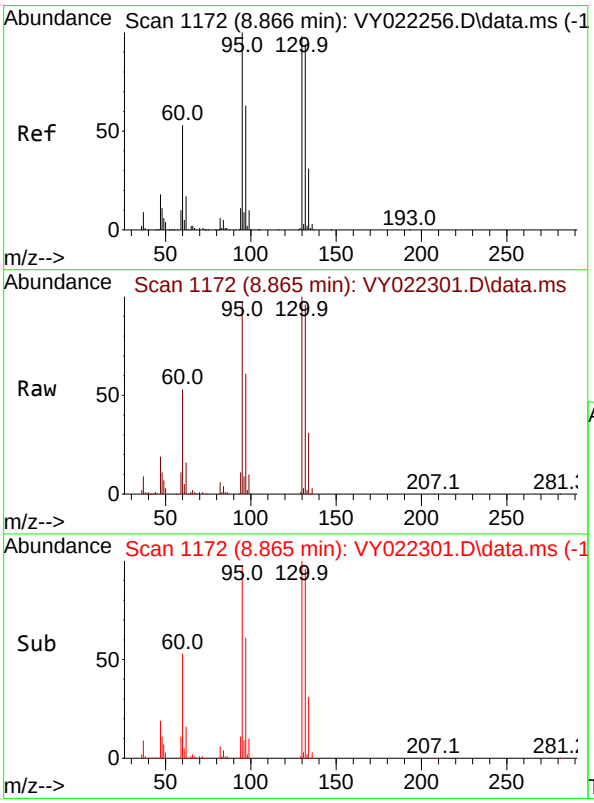
#43
Isopropyl Acetate
Concen: 51.797 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 161047

Ion	Ratio	Lower	Upper
43	100		
61	26.7	15.1	22.7#
87	11.9	9.7	14.5

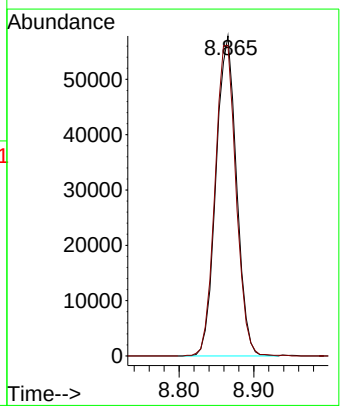


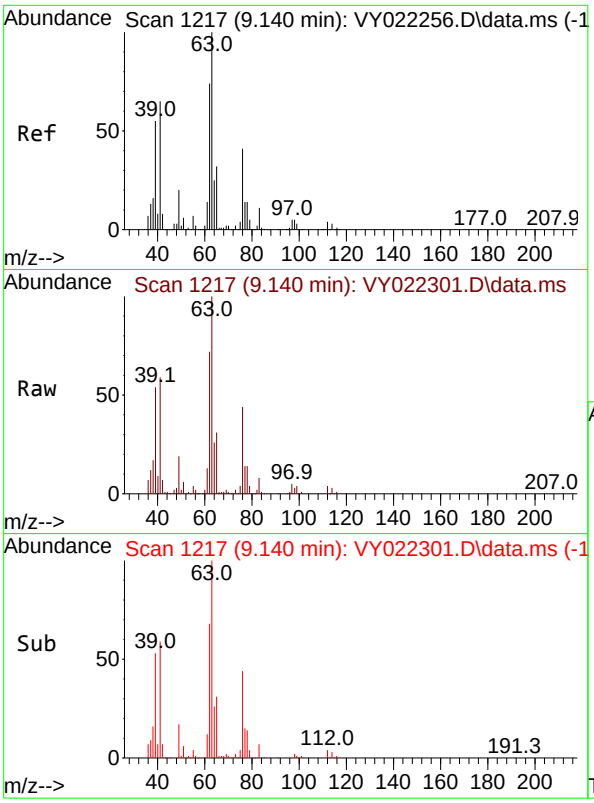


#44
Trichloroethene
Concen: 50.616 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:130 Resp: 110550

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	204.8



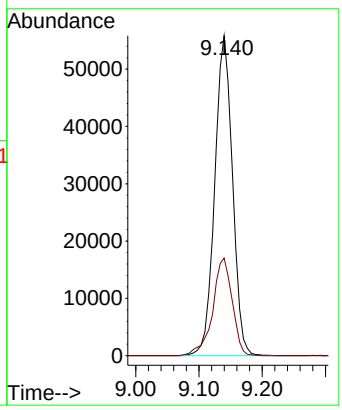


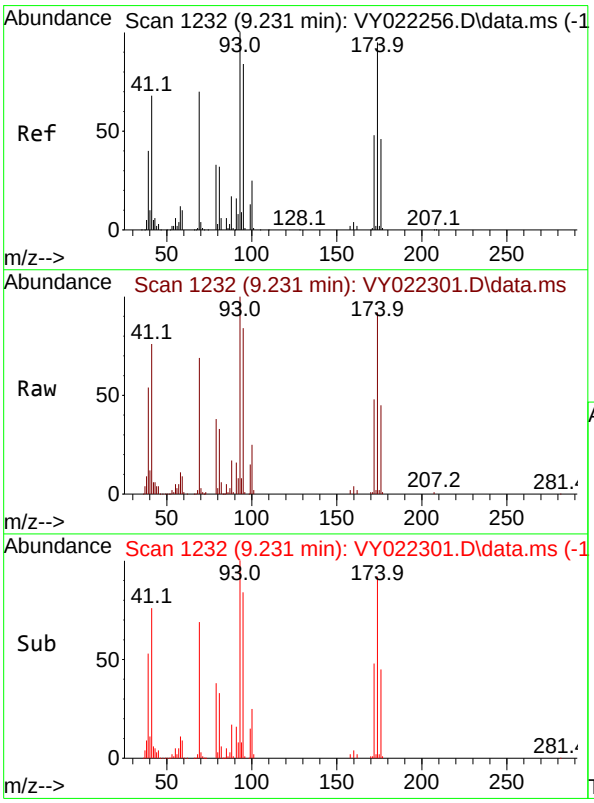
#45
1,2-Dichloropropane
Concen: 51.337 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 108718

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5

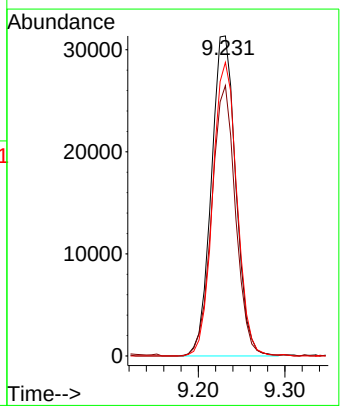


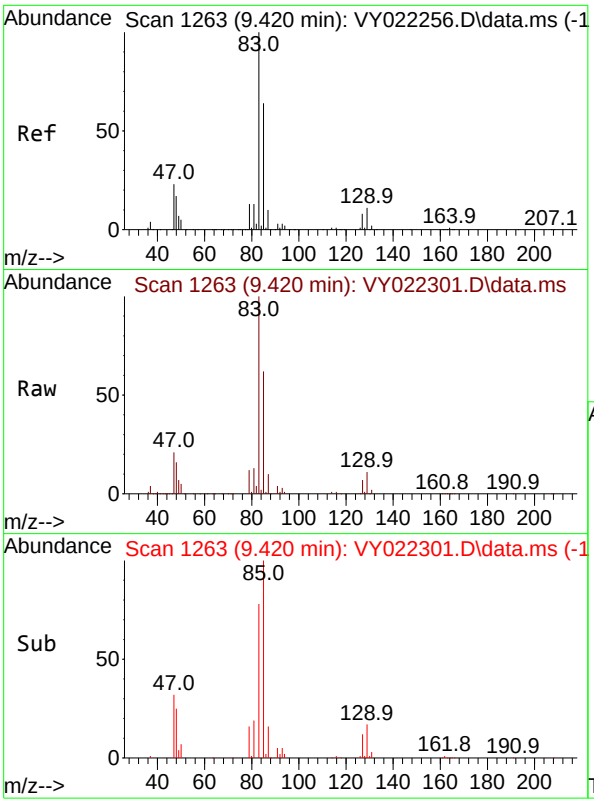


#46
Dibromomethane
Concen: 53.928 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 93 Resp: 61598

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.2	97.8
174	90.7	74.3	111.5



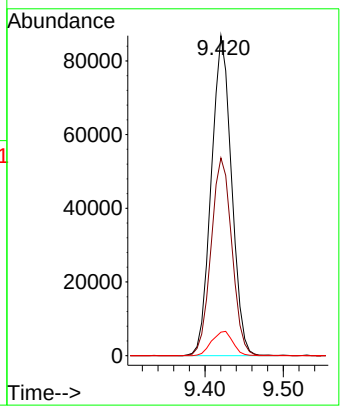


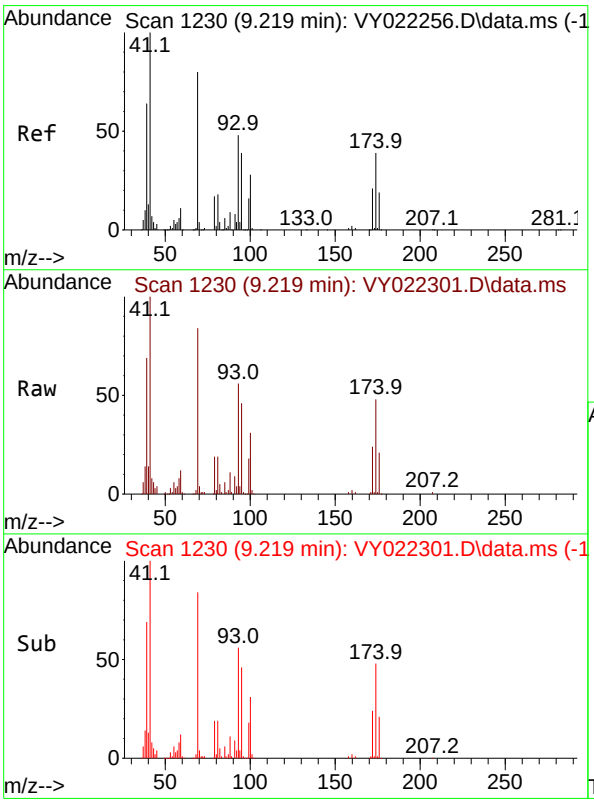
#47
Bromodichloromethane
Concen: 52.627 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 155944

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	7.4	6.6	10.0

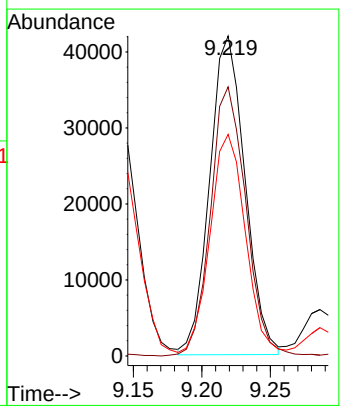


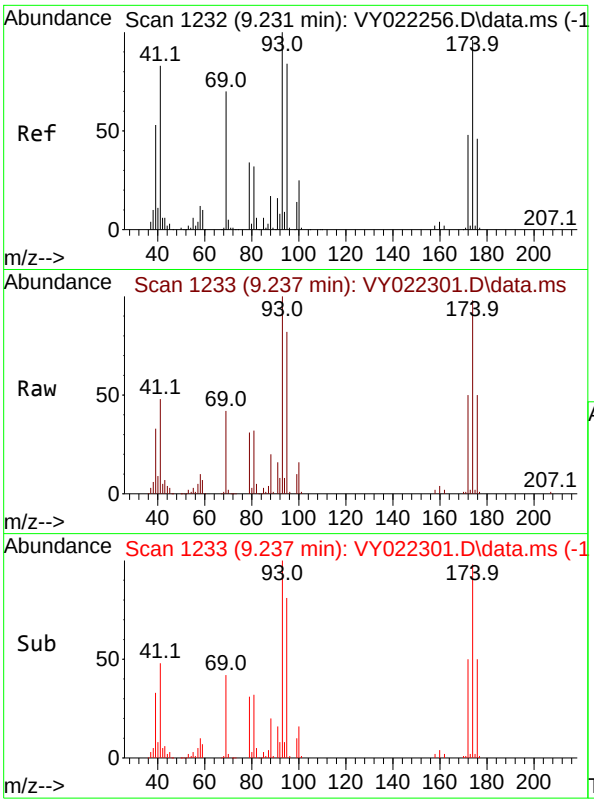


#48
Methyl methacrylate
Concen: 51.751 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 41 Resp: 75248

Ion	Ratio	Lower	Upper
41	100		
69	84.7	63.5	95.3
39	67.9	50.8	76.2



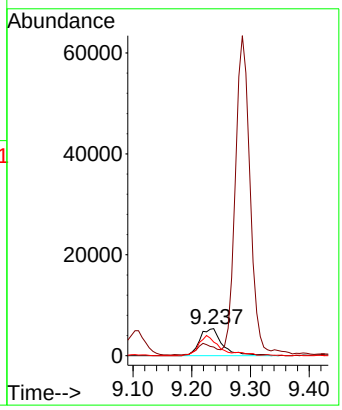


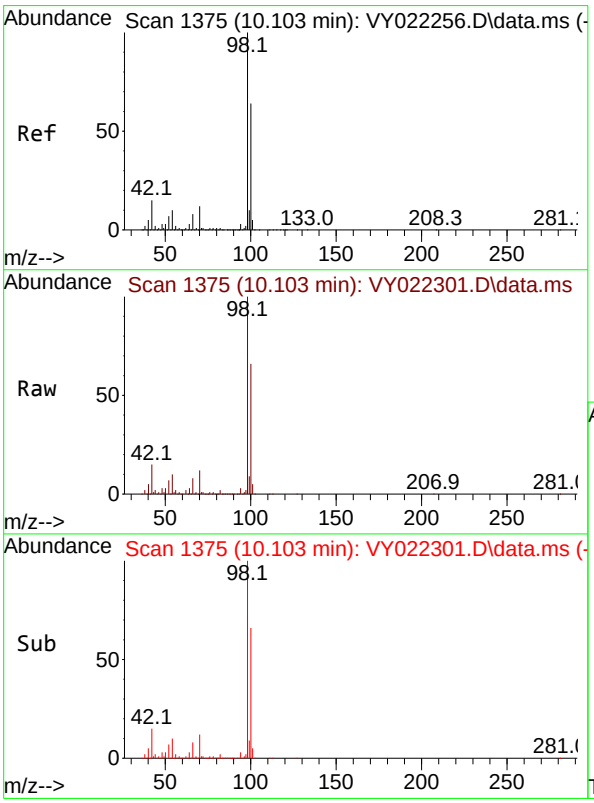
#49
1,4-Dioxane
Concen: 1116.500 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 14407

Ion	Ratio	Lower	Upper
88	100		
43	34.0	28.5	42.7
58	60.6	61.4	92.2#

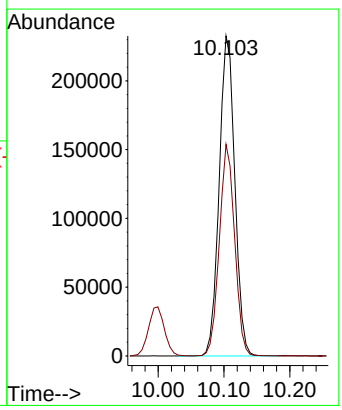


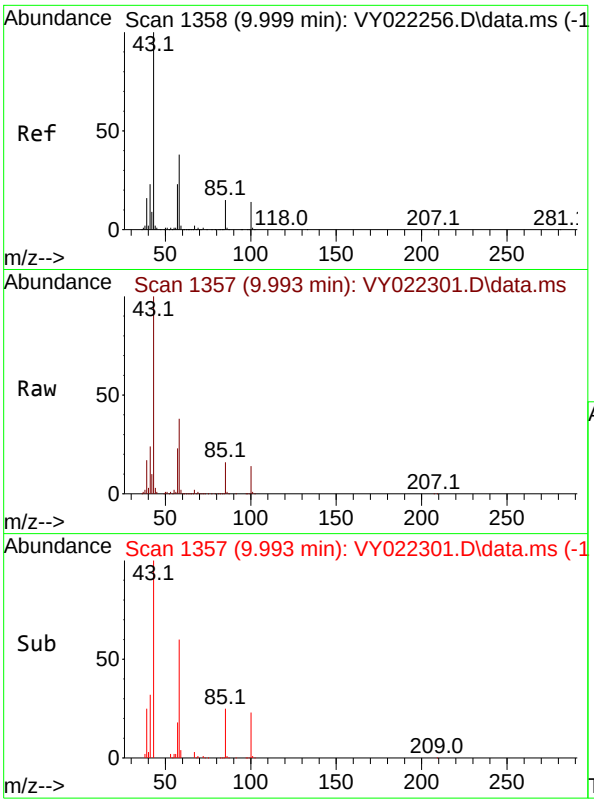


#50
Toluene-d8
Concen: 52.262 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 98 Resp: 385048

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8



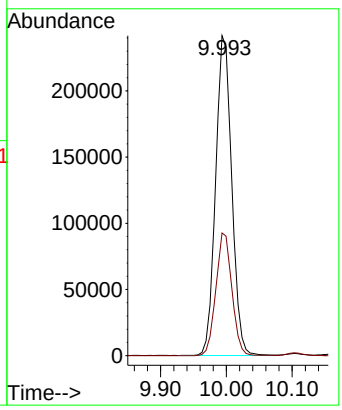


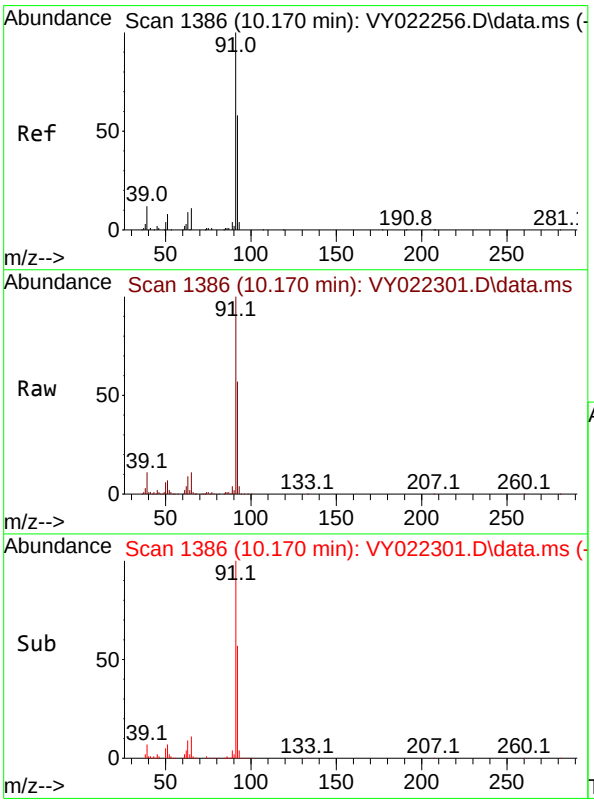
#51
4-Methyl-2-Pentanone
Concen: 270.195 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 412211

Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.4	44.2

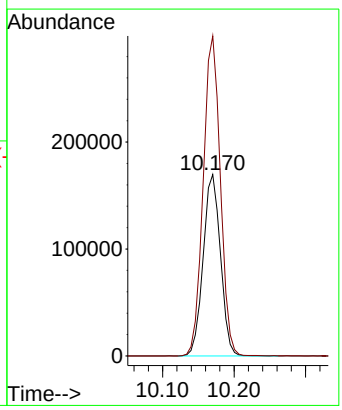


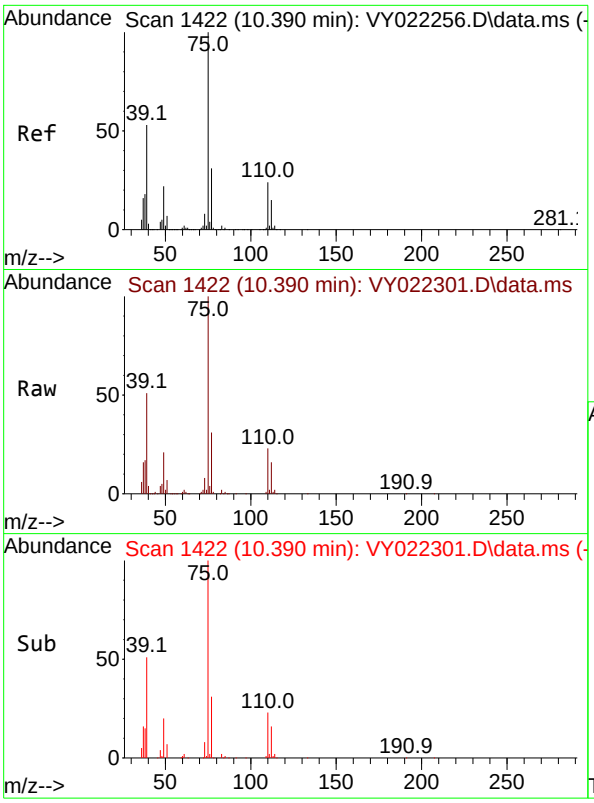


#52
Toluene
Concen: 51.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 92 Resp: 284515

Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.1	208.7



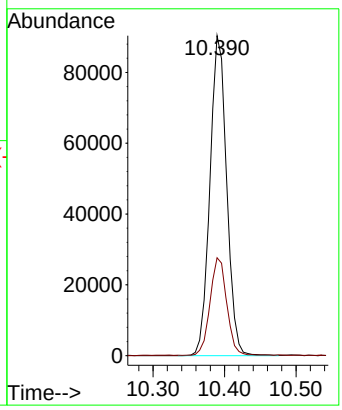


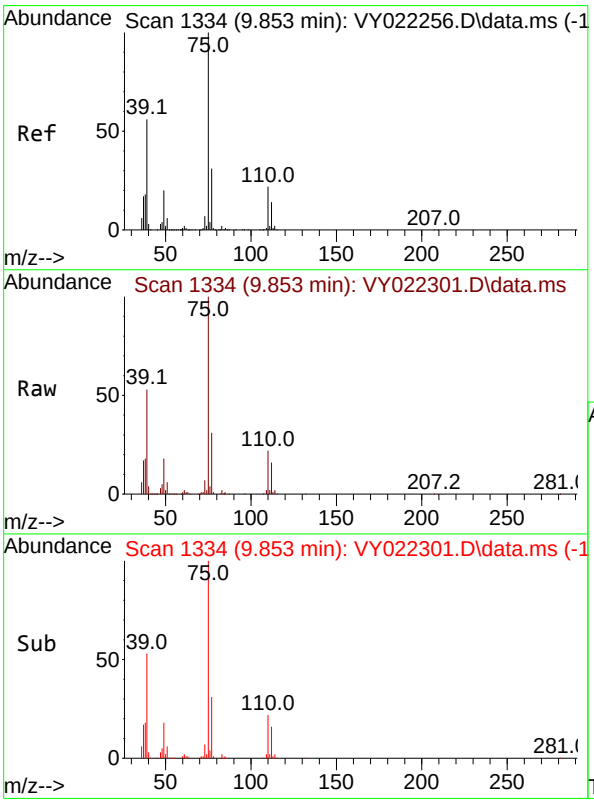
#53
t-1,3-Dichloropropene
Concen: 50.870 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 147108

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.6

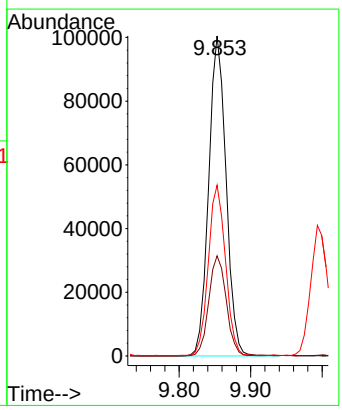


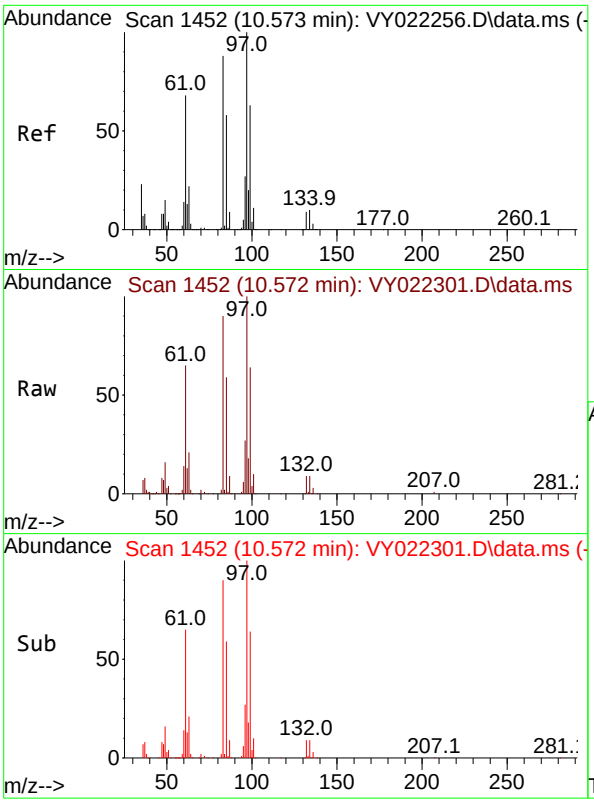


#54
cis-1,3-Dichloropropene
Concen: 51.085 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 169256

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	53.2	44.5	66.7



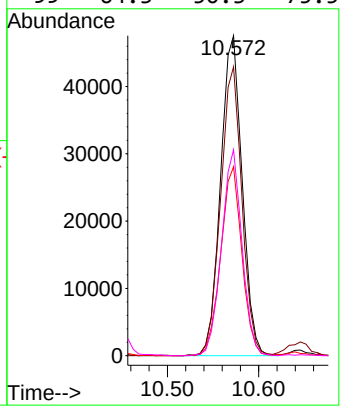


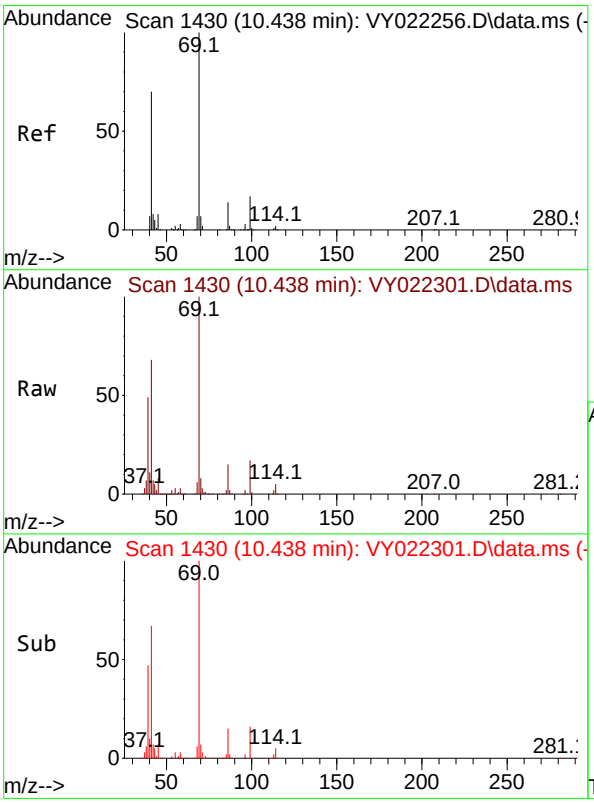
#55
1,1,2-Trichloroethane
Concen: 53.400 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 78105

Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.3	105.5
85	59.1	46.2	69.4
99	64.3	50.3	75.5

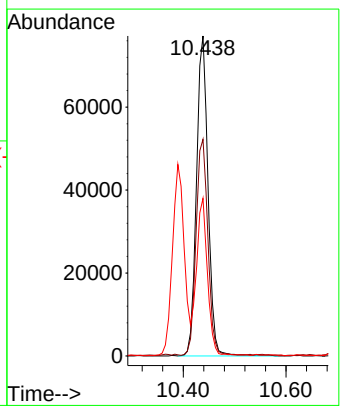


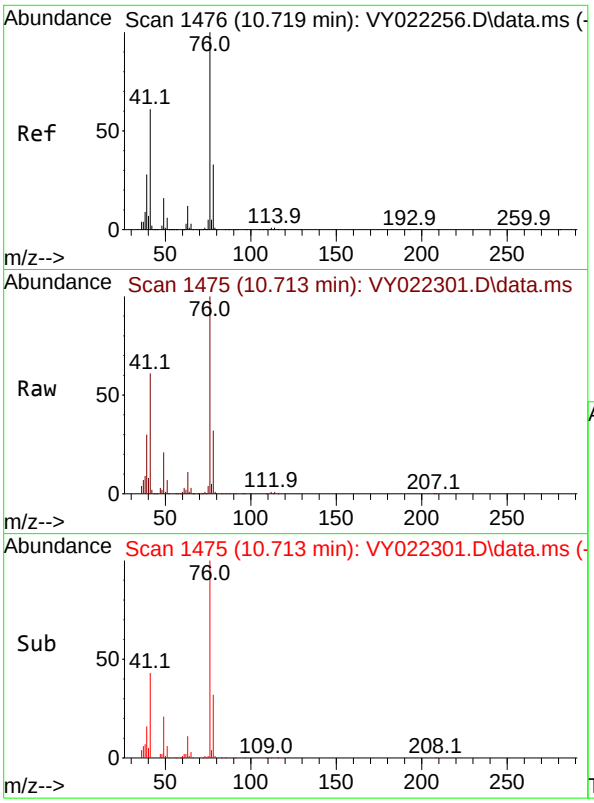


#56
Ethyl methacrylate
Concen: 52.876 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 69 Resp: 120471

Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.5	84.7
39	46.8	37.1	55.7



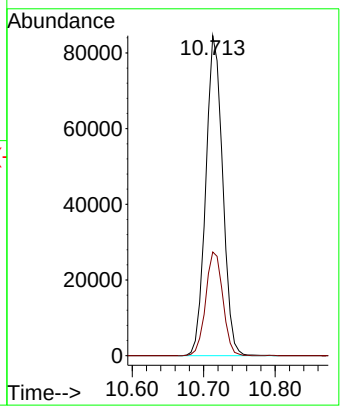


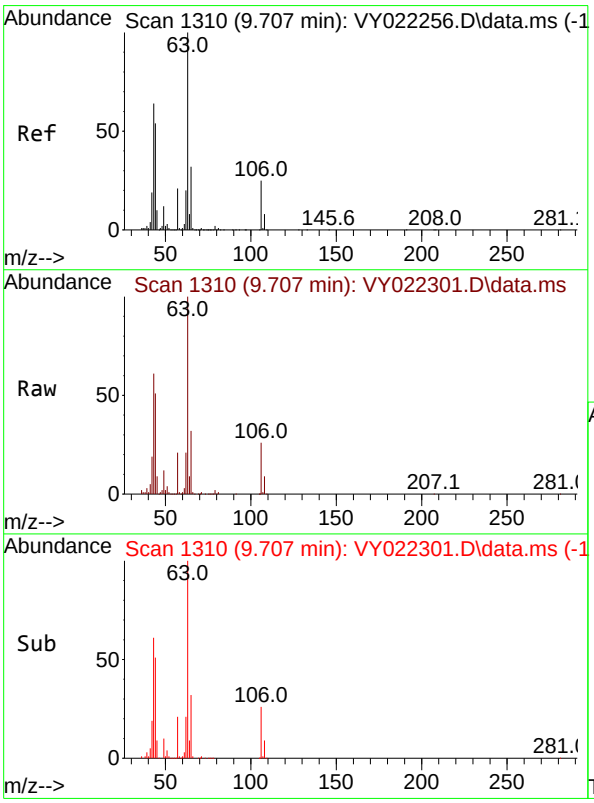
#57
1,3-Dichloropropane
Concen: 53.333 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 138601

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

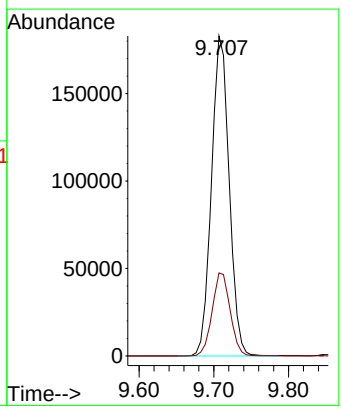


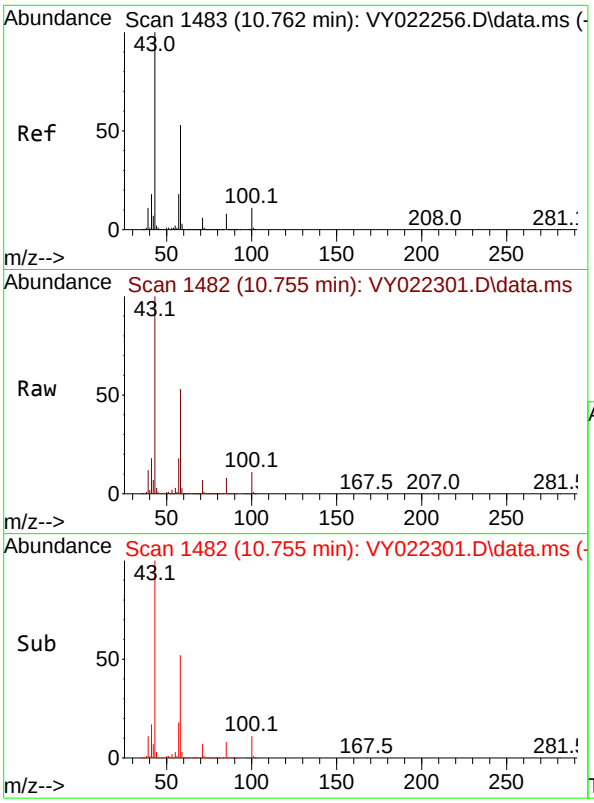


#58
2-Chloroethyl Vinyl ether
Concen: 294.015 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 63 Resp: 300672

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.4



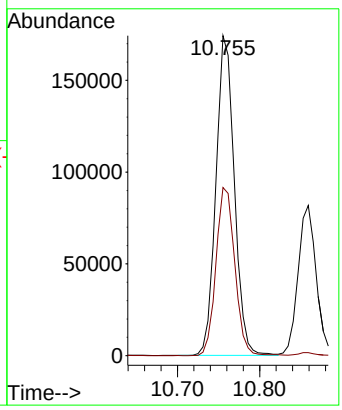


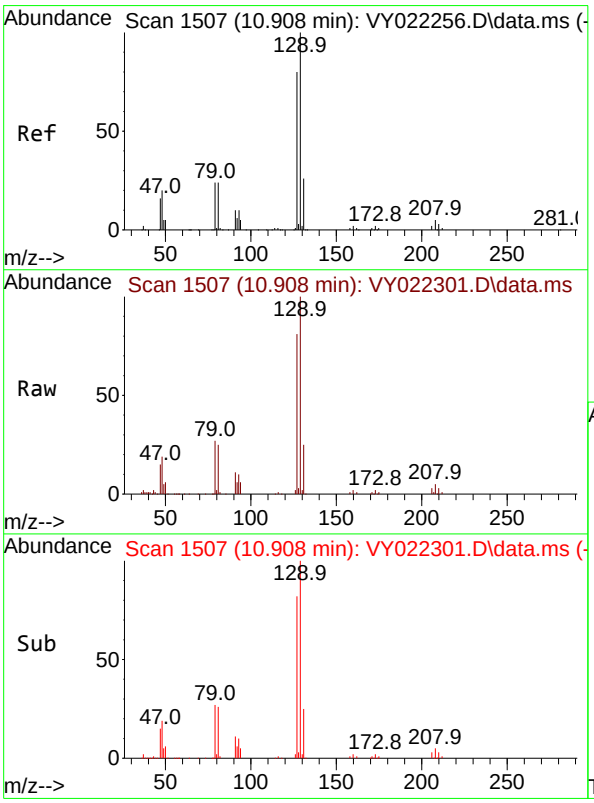
#59
2-Hexanone
Concen: 264.900 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 270964

Ion	Ratio	Lower	Upper
43	100		
58	53.9	26.1	78.3

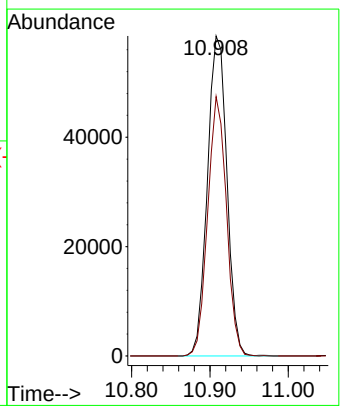


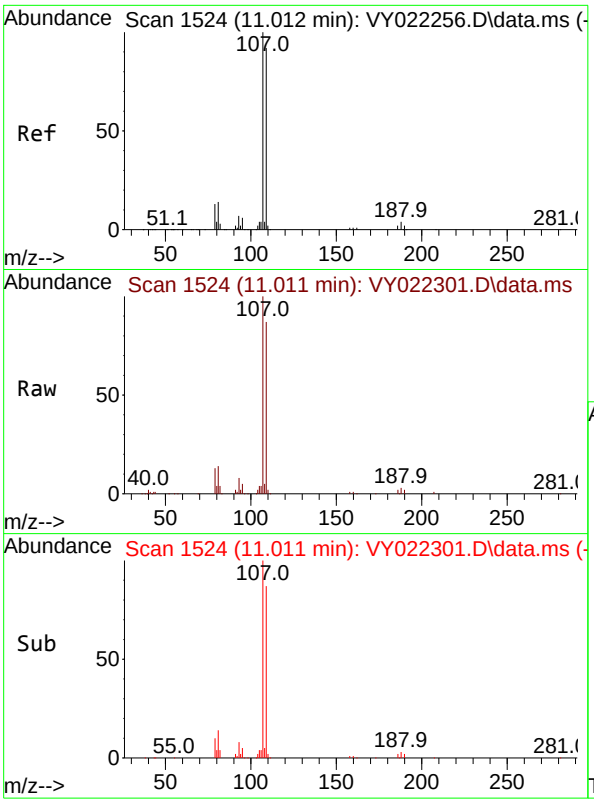


#60
Dibromochloromethane
Concen: 53.353 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:129 Resp: 101289

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7



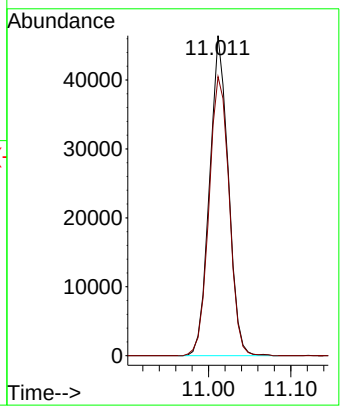


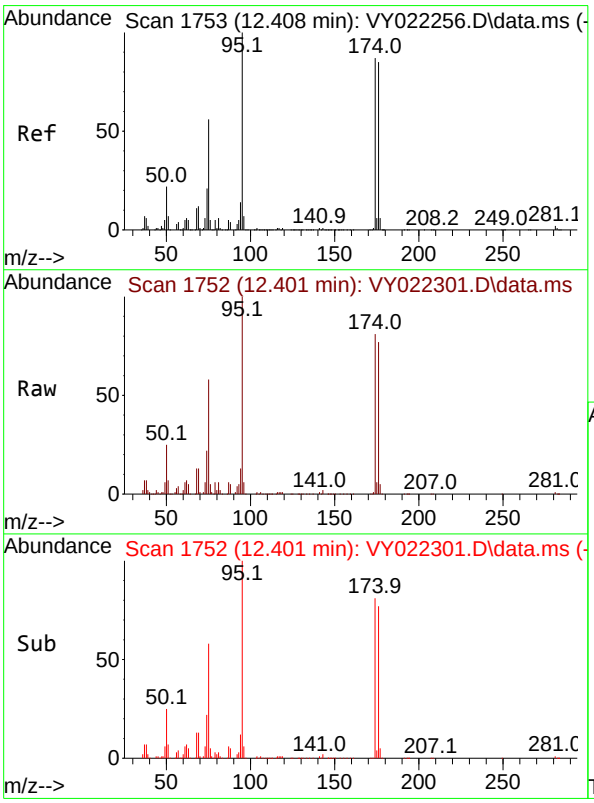
#61
1,2-Dibromoethane
Concen: 54.113 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 73769

Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.6	111.8

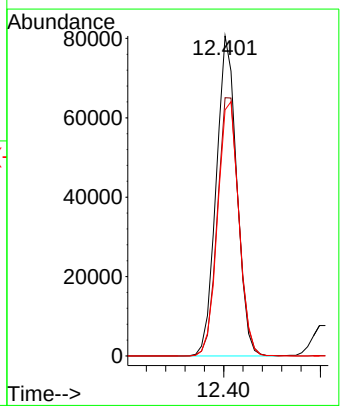


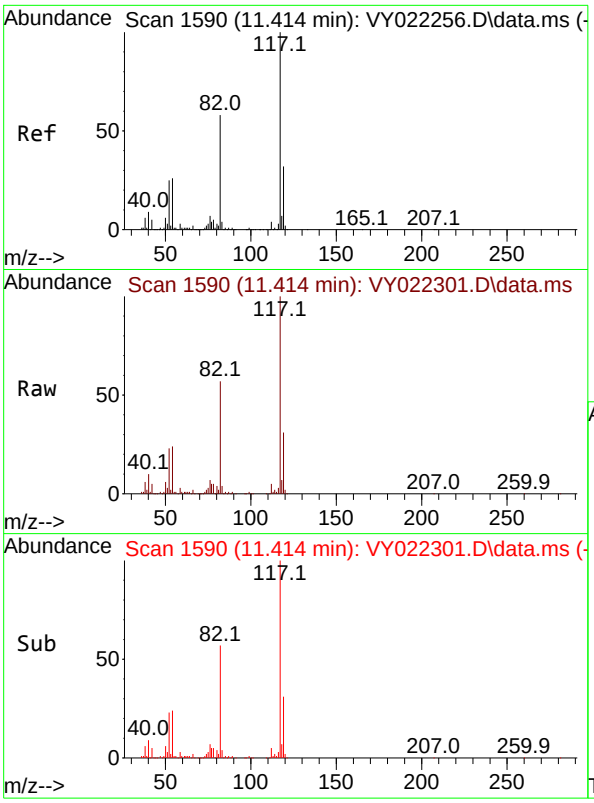


#62
4-Bromofluorobenzene
Concen: 50.802 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 95 Resp: 118638

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	166.8
176	81.9	0.0	160.8



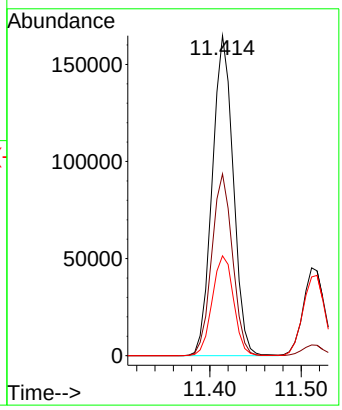


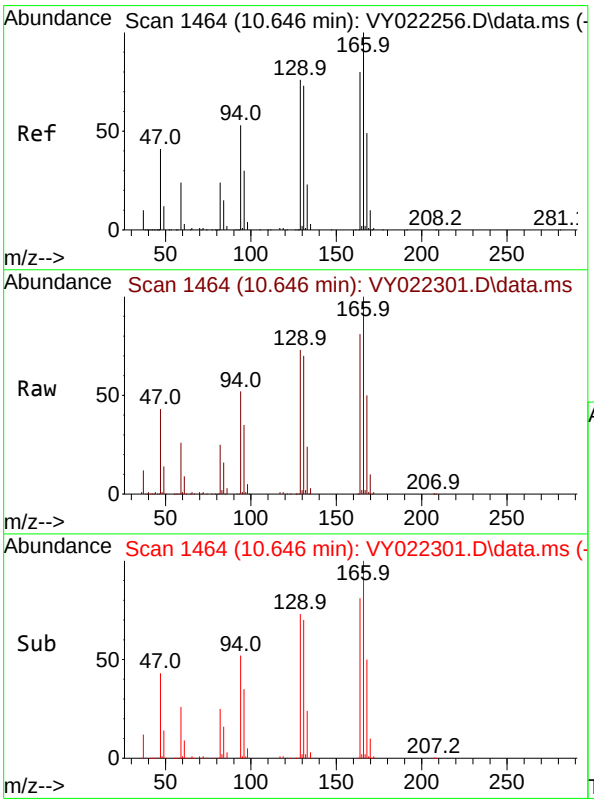
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 262982

Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.6	70.0
119	31.2	25.8	38.6

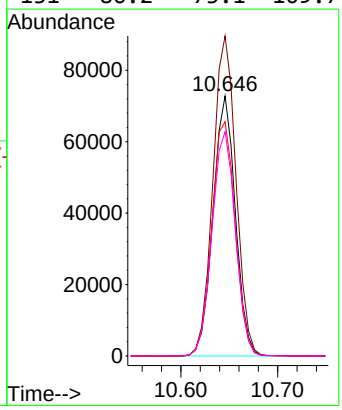


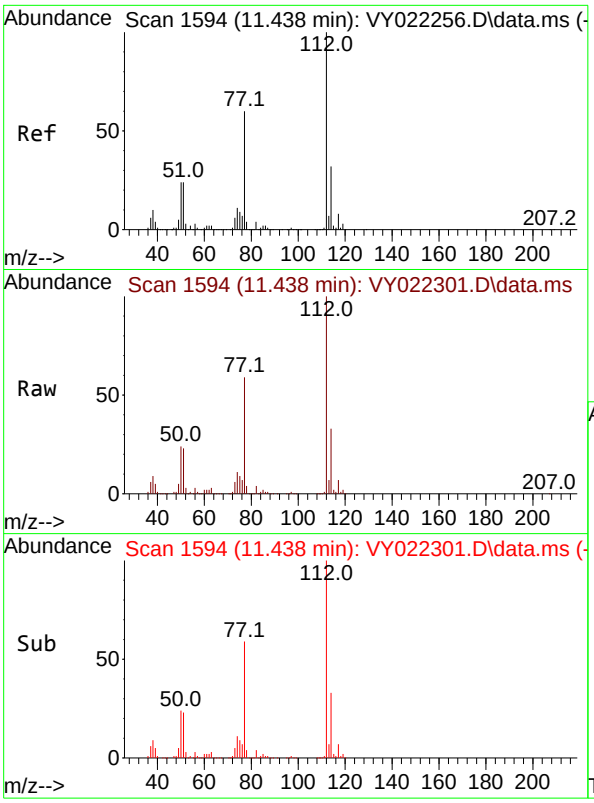


#64
Tetrachloroethene
Concen: 48.141 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:164 Resp: 117020

Ion	Ratio	Lower	Upper
164	100		
166	123.1	100.4	150.6
129	90.1	76.4	114.6
131	86.2	73.1	109.7



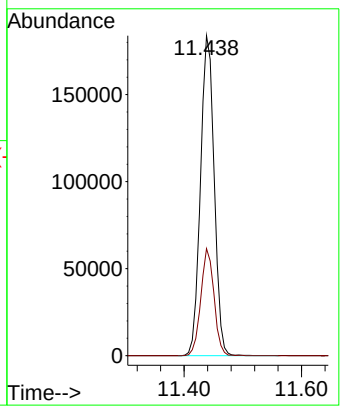


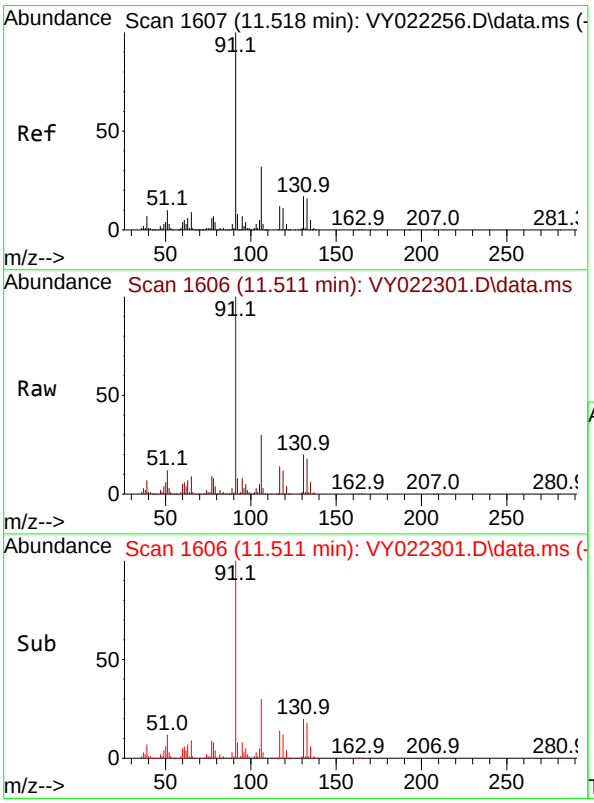
#65
Chlorobenzene
Concen: 50.288 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 298366

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.8	38.6

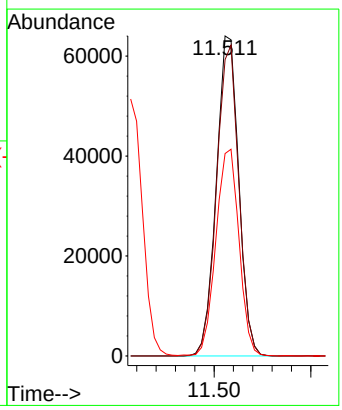


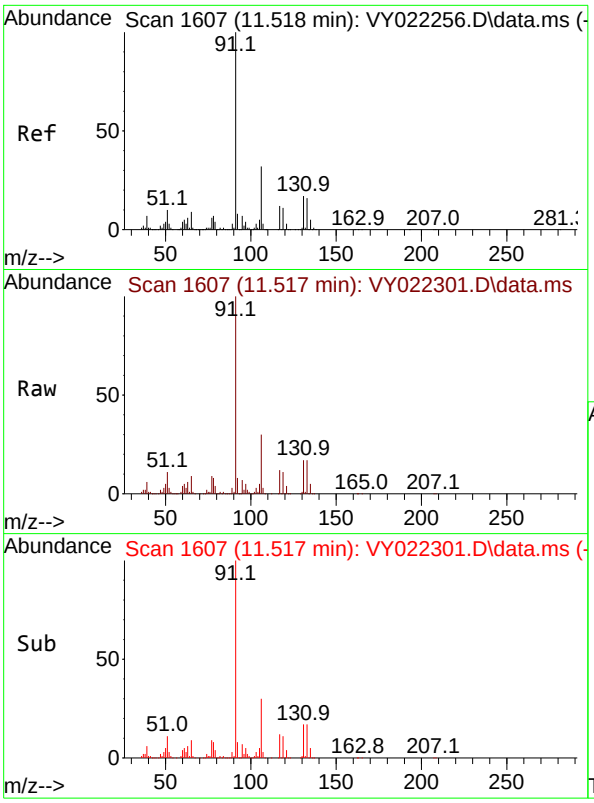


#66
1,1,1,2-Tetrachloroethane
Concen: 50.525 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:131 Resp: 103057

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	141.9
119	66.8	33.1	99.2



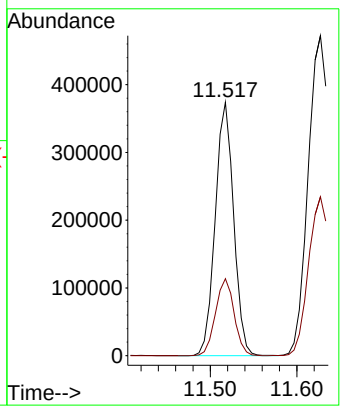


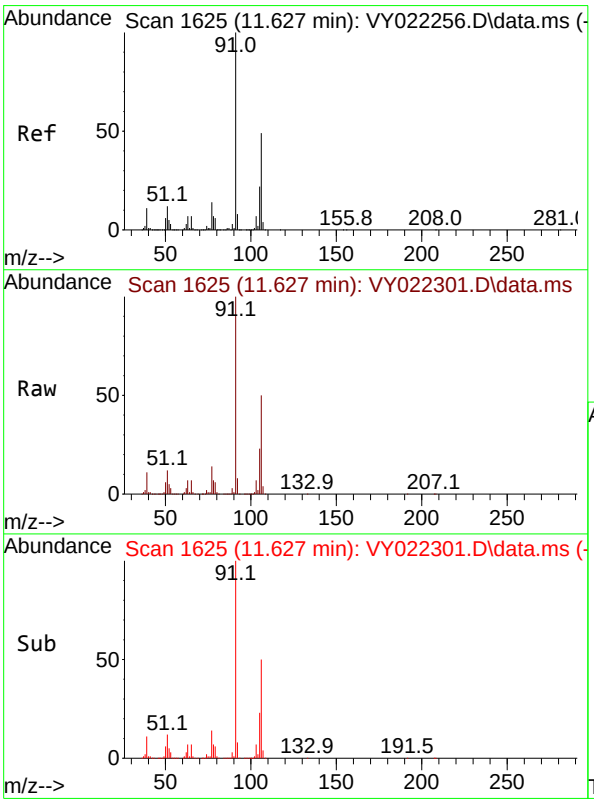
#67
Ethyl Benzene
Concen: 49.681 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 552037

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.0

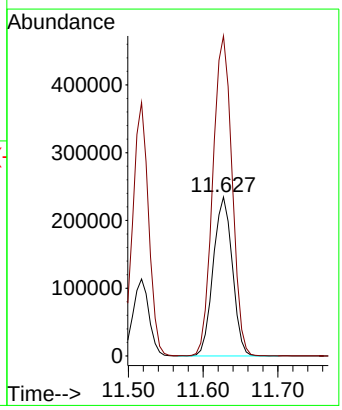


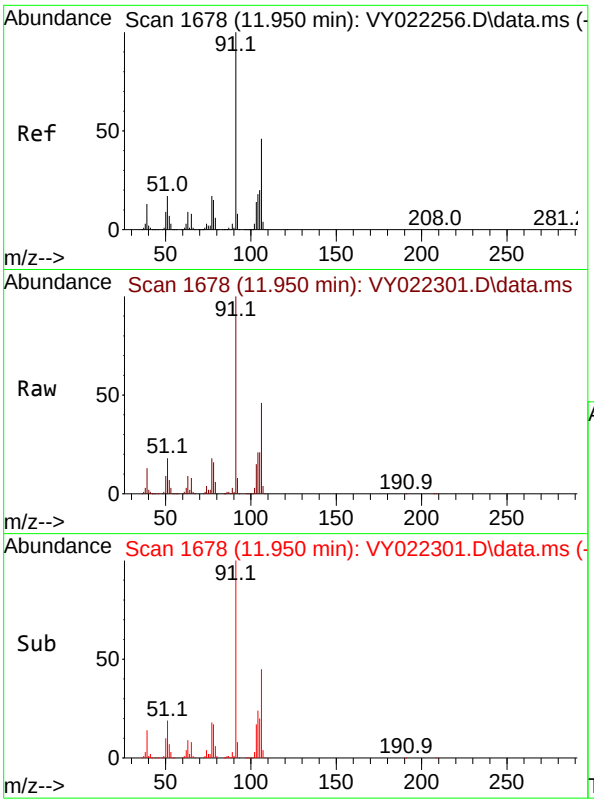


#68
m/p-Xylenes
Concen: 99.542 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:106 Resp: 416782

Ion	Ratio	Lower	Upper
106	100		
91	202.8	163.0	244.4



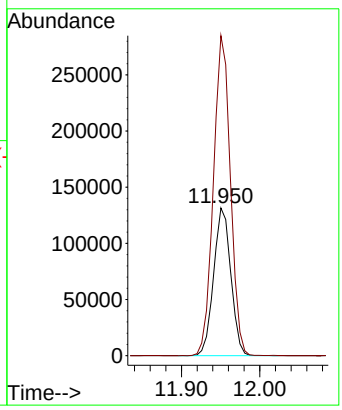


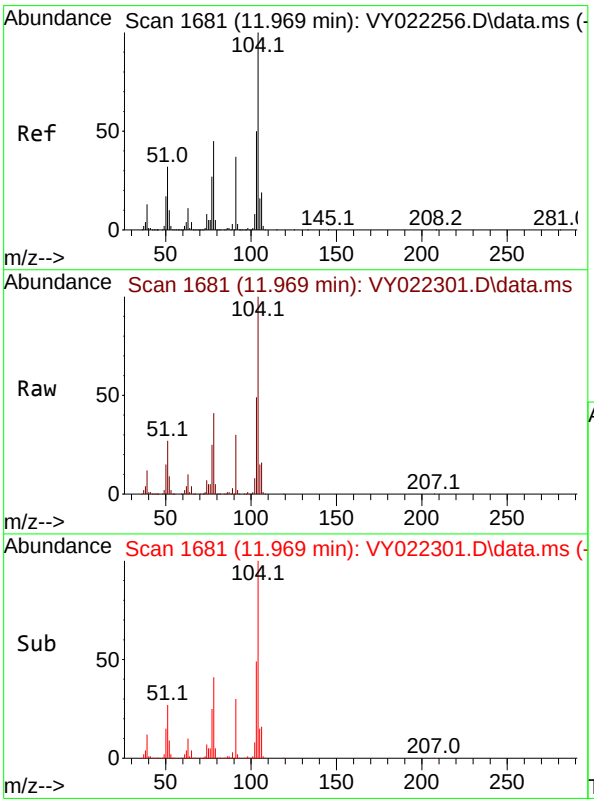
#69
o-Xylene
Concen: 50.639 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 200603

Ion	Ratio	Lower	Upper
106	100		
91	214.6	108.3	324.8

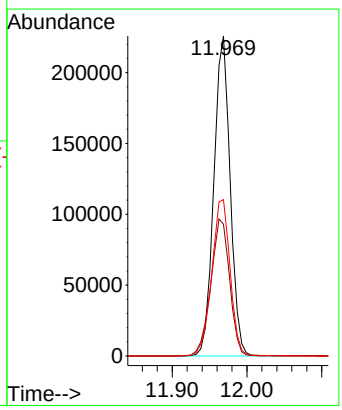


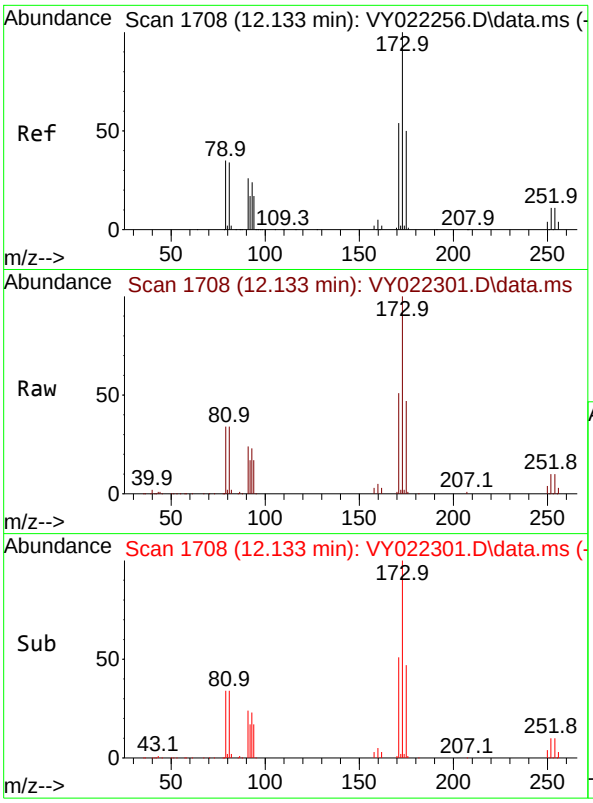


#70
Styrene
Concen: 51.248 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:104 Resp: 342456

Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.9	61.3
103	54.9	43.7	65.5



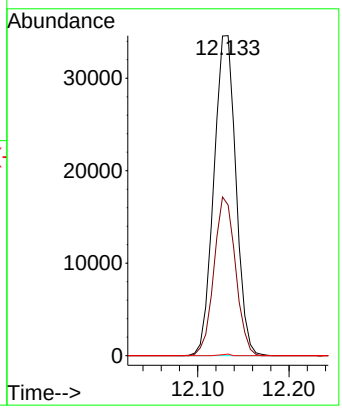


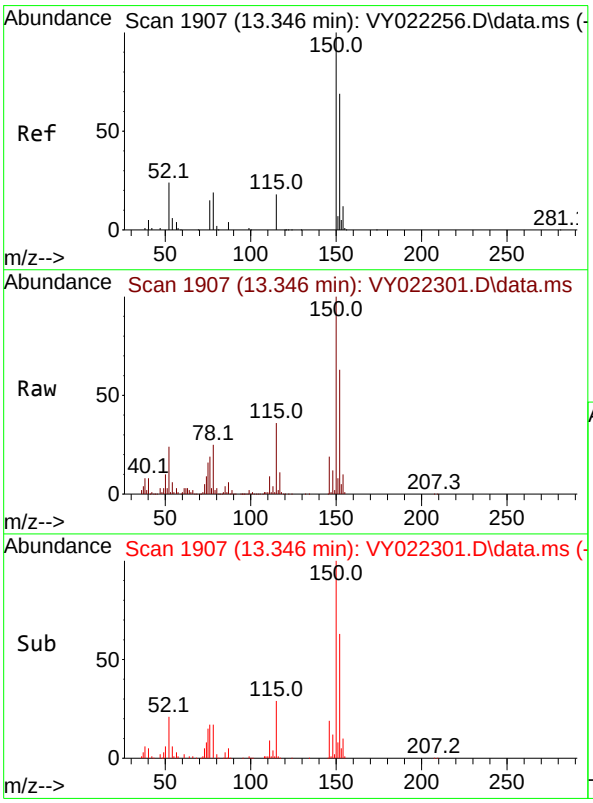
#71
Bromoform
Concen: 52.719 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 58041

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.0	0.0#

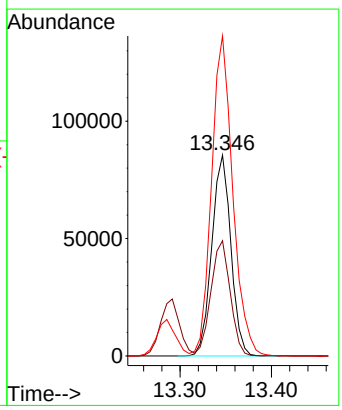


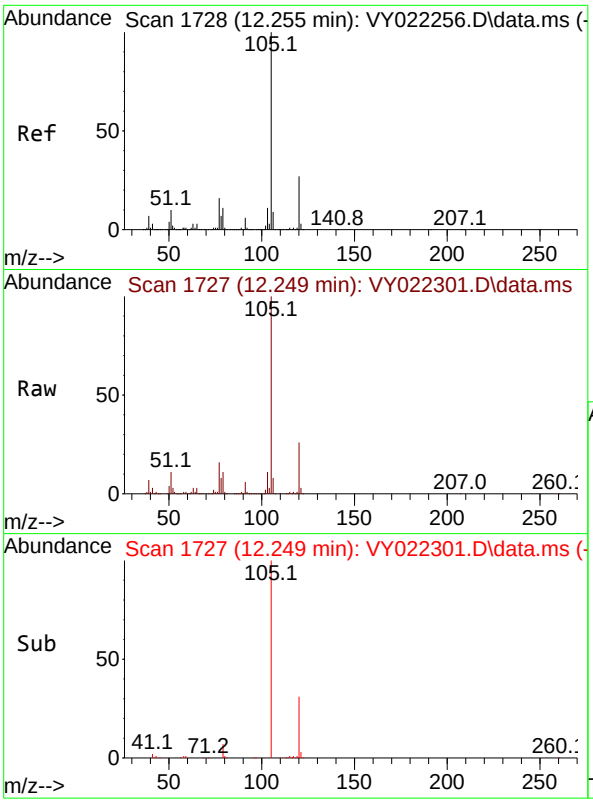


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:152 Resp: 124169

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	176.7	0.0	353.8



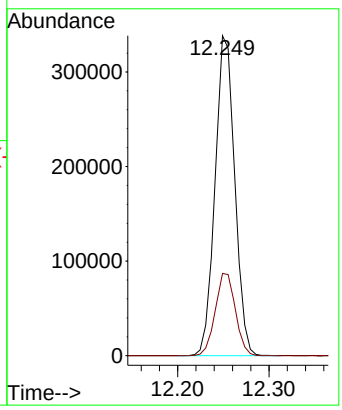


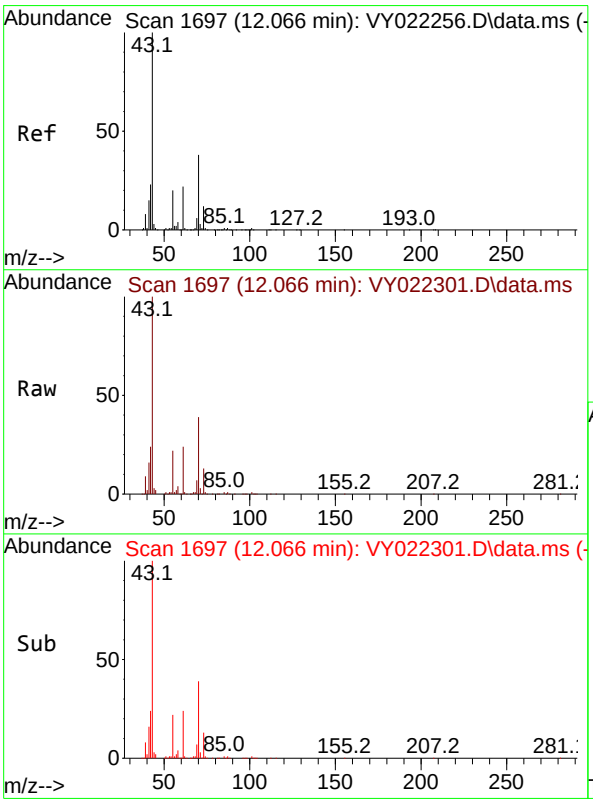
#73
Isopropylbenzene
Concen: 49.232 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 506442

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

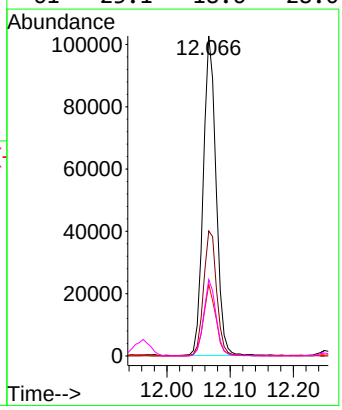


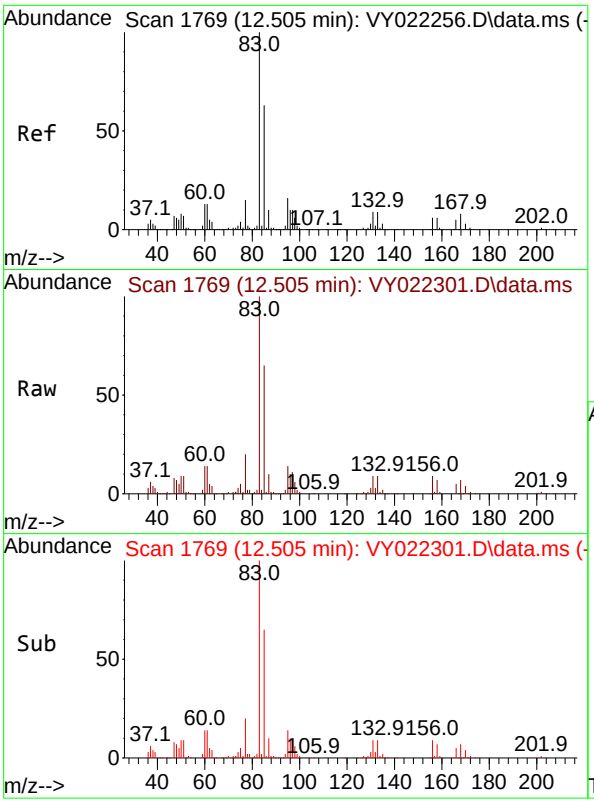


#74
N-amyl acetate
Concen: 49.313 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 43 Resp: 145082

Ion	Ratio	Lower	Upper
43	100		
70	40.1	31.4	47.0
55	21.2	17.0	25.6
61	23.1	18.6	28.0



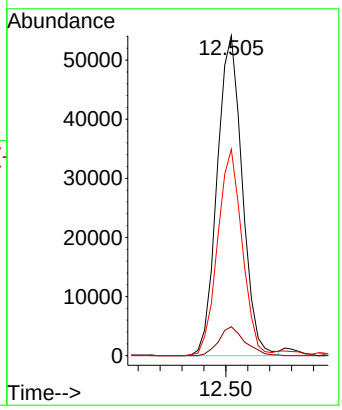


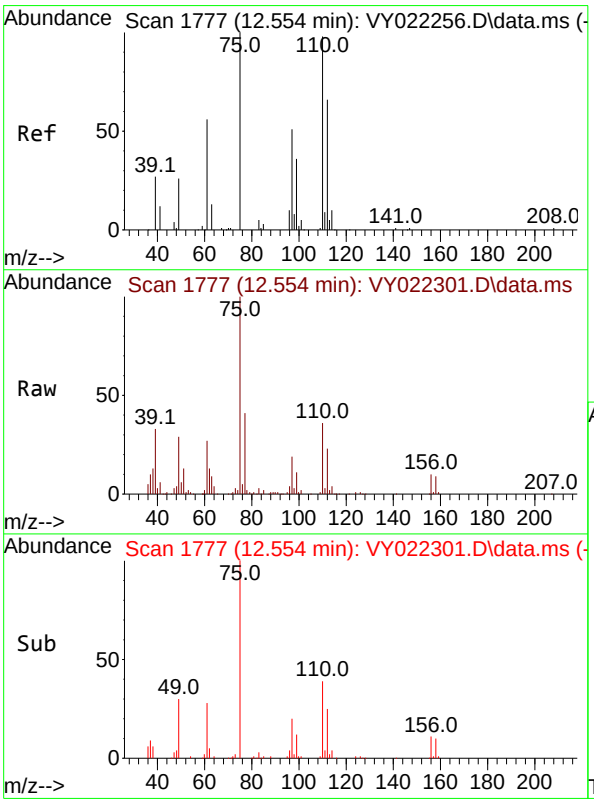
#75
1,1,2,2-Tetrachloroethane
Concen: 54.429 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 86108

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.7
85	63.2	32.0	96.0

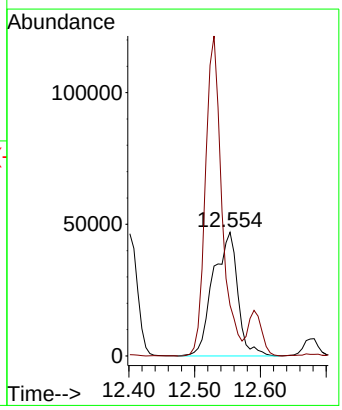


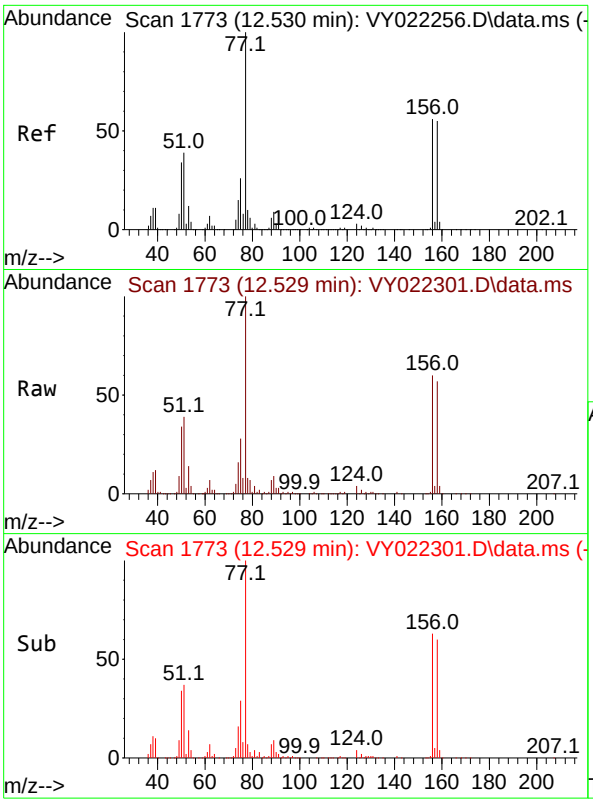


#76
1,2,3-Trichloropropane
Concen: 97.150 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 122211

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



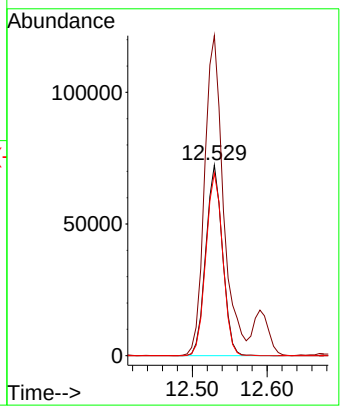


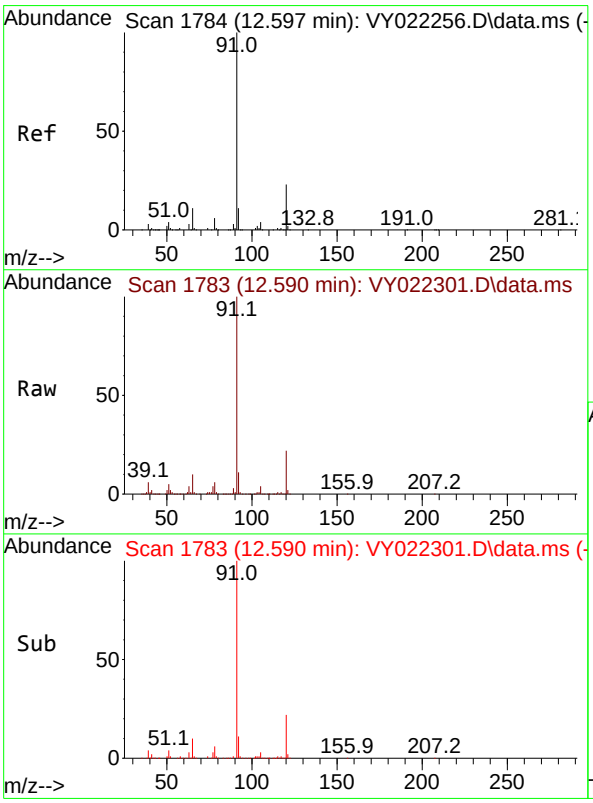
#77
Bromobenzene
Concen: 50.903 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 111837

Ion	Ratio	Lower	Upper
156	100		
77	190.0	94.5	283.6
158	96.8	48.4	145.3

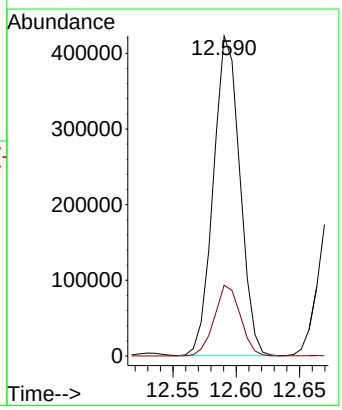


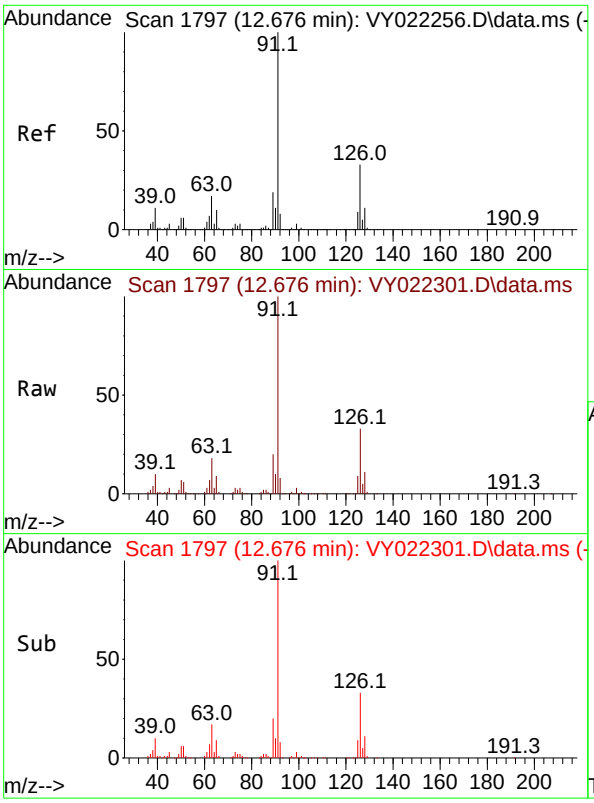


#78
n-propylbenzene
Concen: 49.582 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 91 Resp: 615206

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3



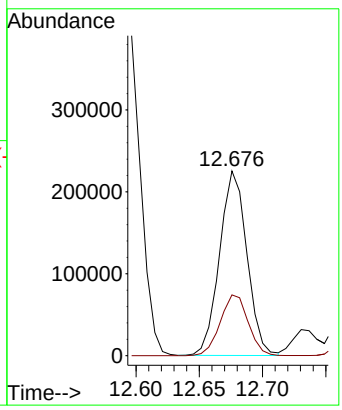


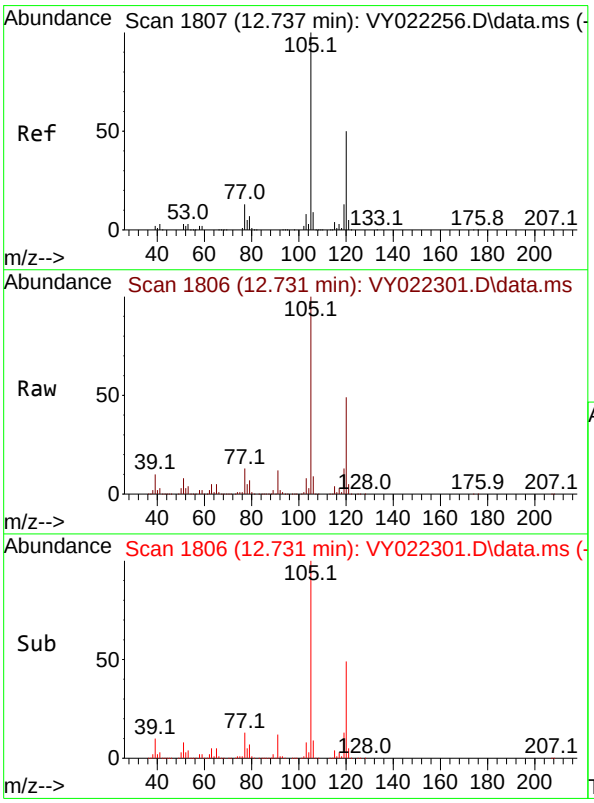
#79
2-Chlorotoluene
Concen: 49.744 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 339182

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4

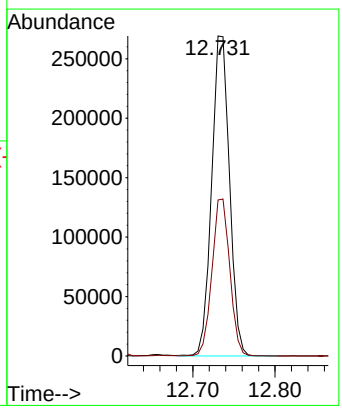


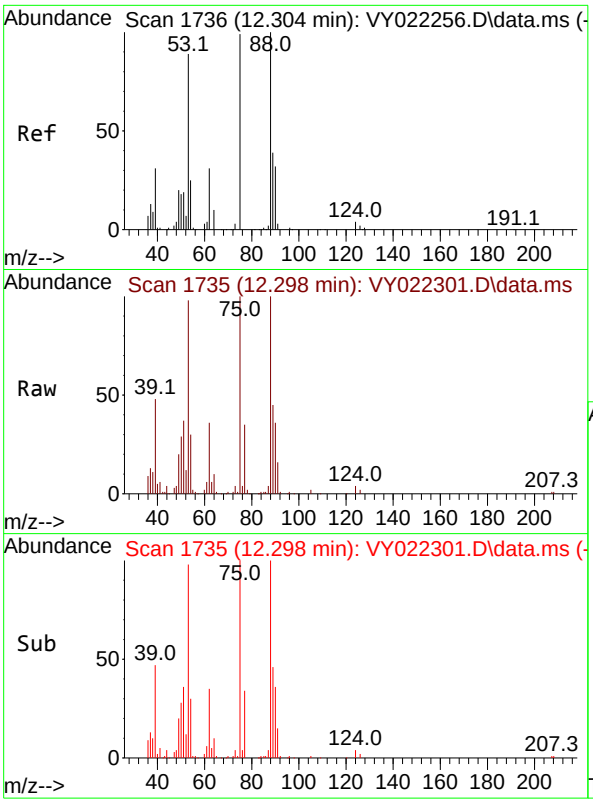


#80
1,3,5-Trimethylbenzene
Concen: 48.863 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:105 Resp: 405753

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.2	72.6



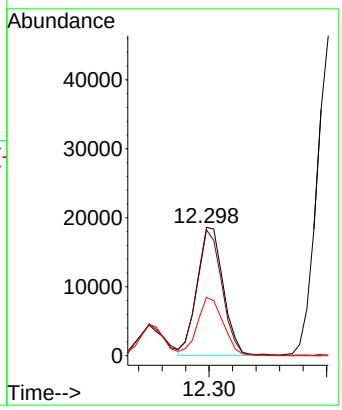


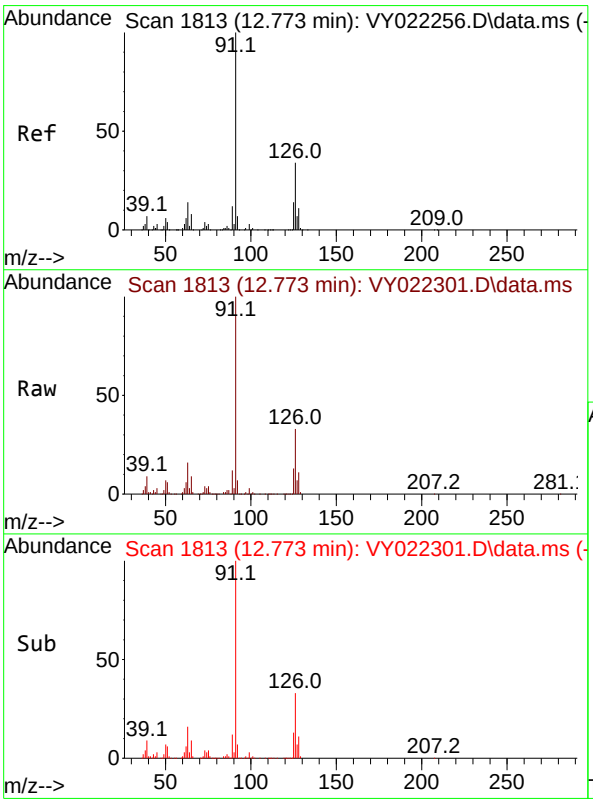
#81
trans-1,4-Dichloro-2-butene
Concen: 46.262 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 28728

Ion	Ratio	Lower	Upper
75	100		
53	94.4	75.8	113.8
89	45.1	36.2	54.2

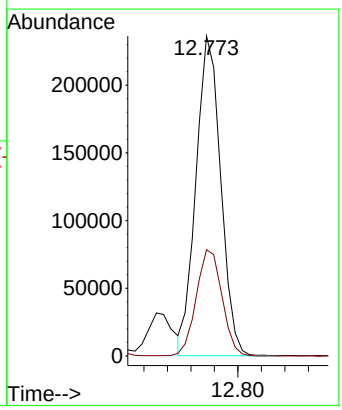


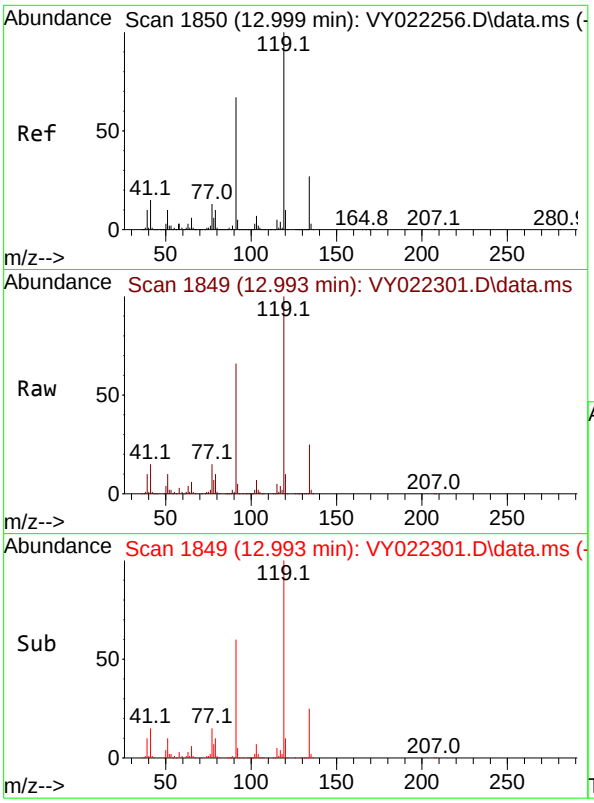


#82
4-Chlorotoluene
Concen: 49.230 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 91 Resp: 345271

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4



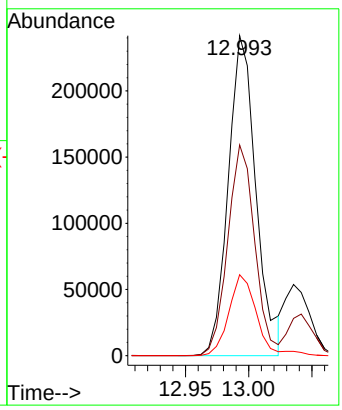


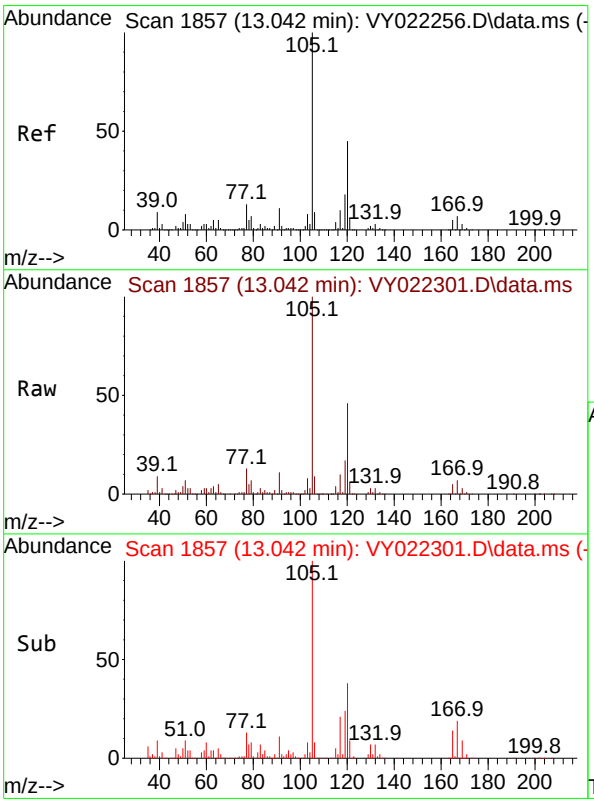
#83
tert-Butylbenzene
Concen: 50.023 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 369198

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.8	98.3
134	25.4	12.9	38.6

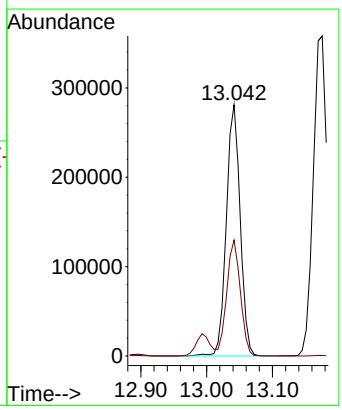


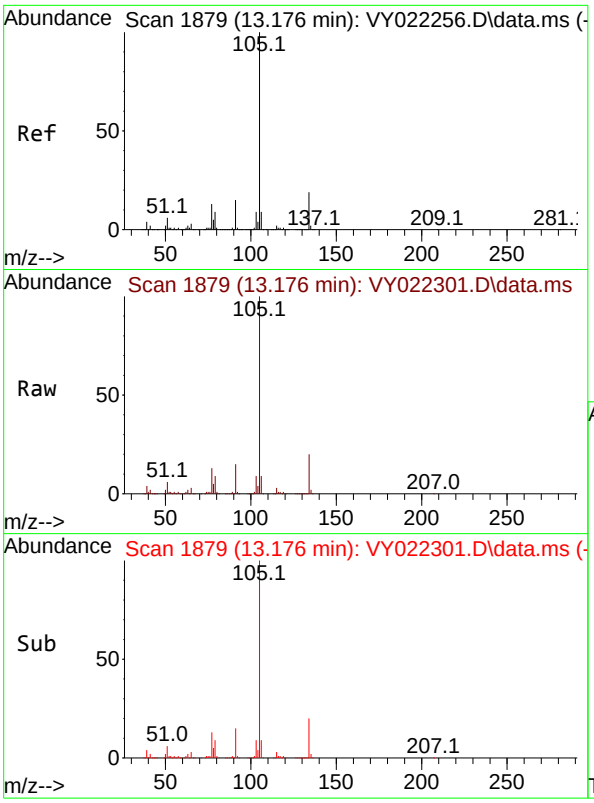


#84
1,2,4-Trimethylbenzene
Concen: 49.978 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:105 Resp: 411972

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.9



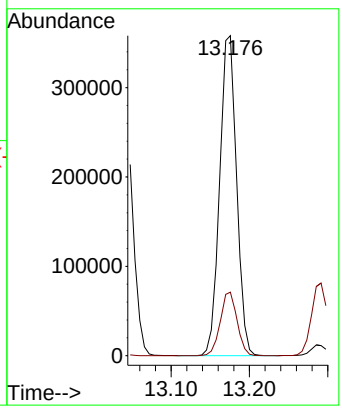


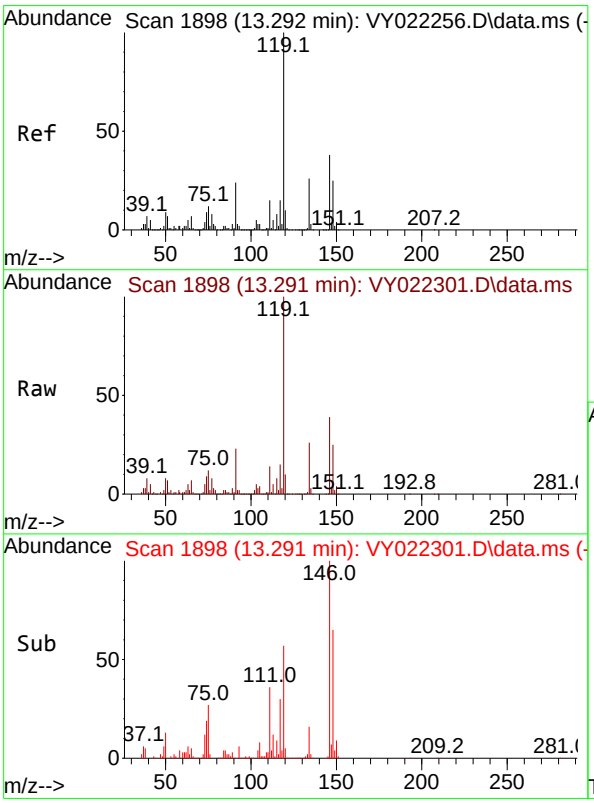
#85
sec-Butylbenzene
Concen: 49.149 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 538476

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

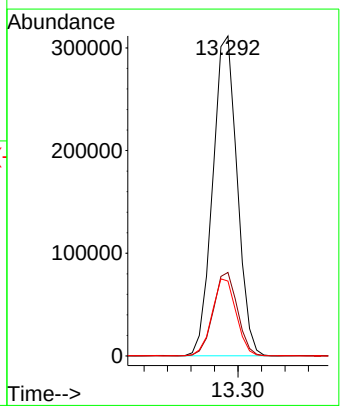


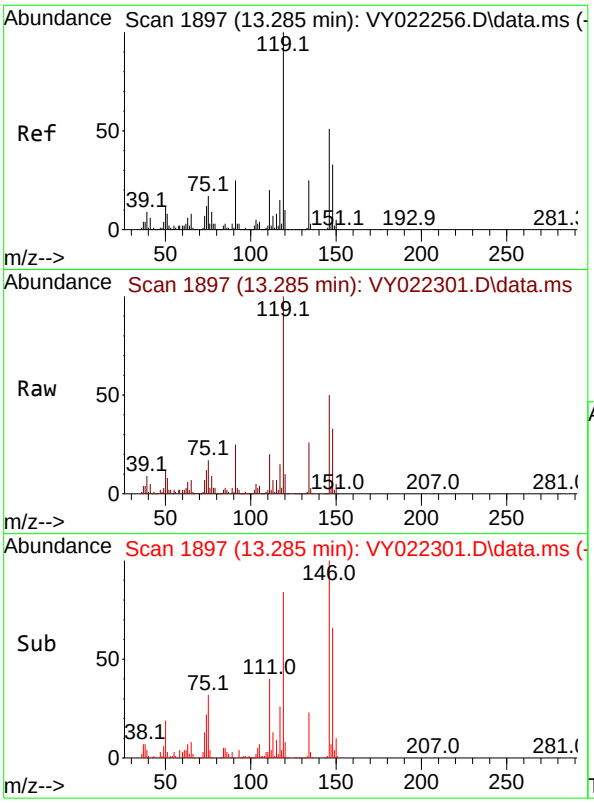


#86
p-Isopropyltoluene
Concen: 48.814 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:119 Resp: 449798

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	23.7	12.1	36.3



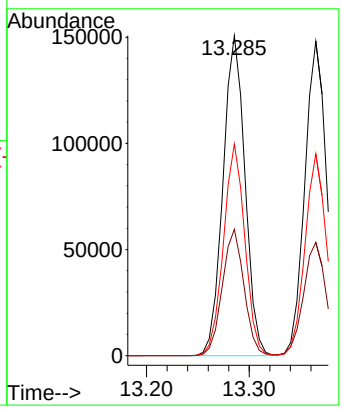


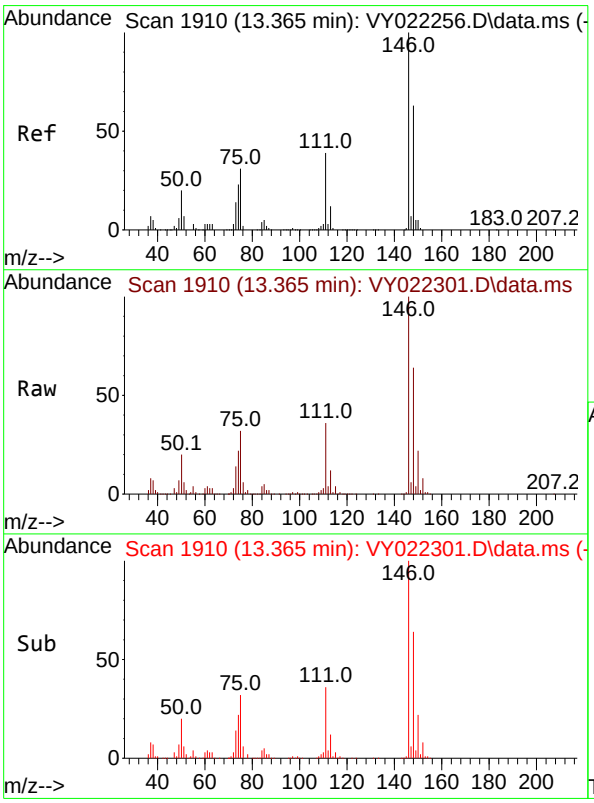
#87
1,3-Dichlorobenzene
Concen: 50.006 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 224283

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.7
148	64.2	31.9	95.7

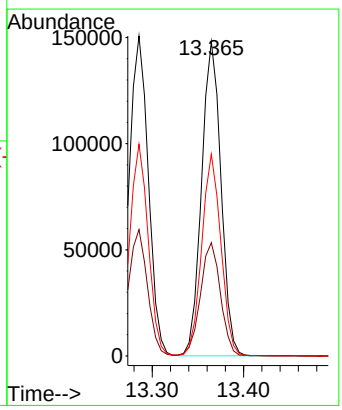


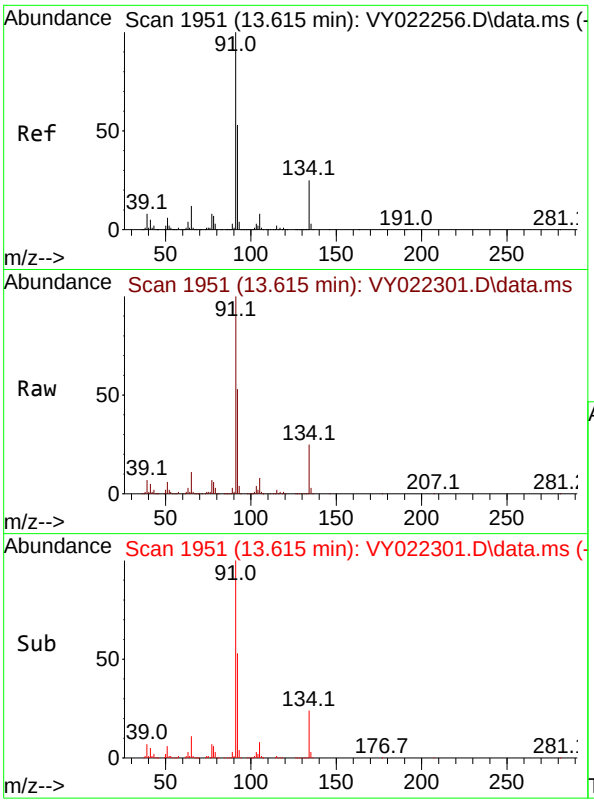


#88
1,4-Dichlorobenzene
Concen: 50.503 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:146 Resp: 217882

Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.0	59.9
148	63.6	32.1	96.5



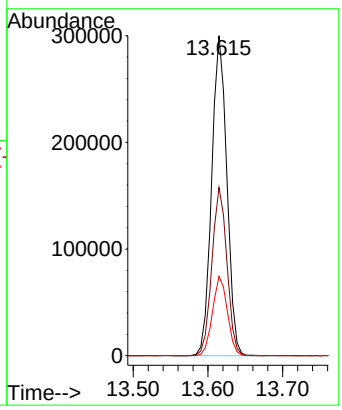


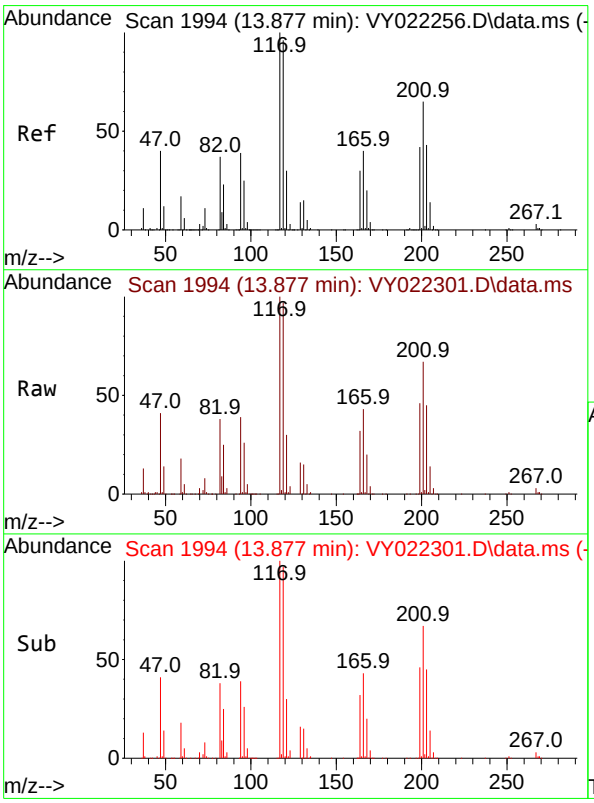
#89
n-Butylbenzene
Concen: 48.542 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 423157

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	24.3	12.4	37.4

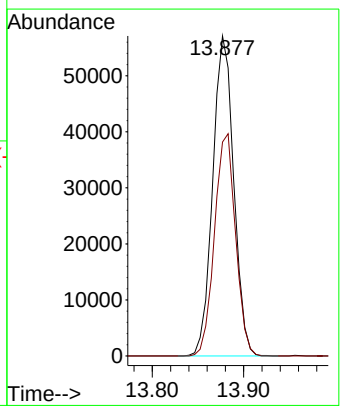


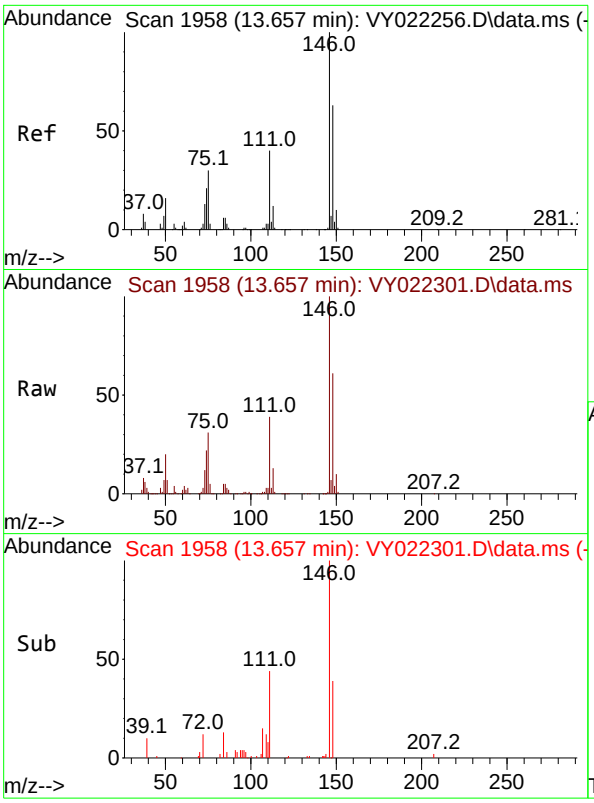


#90
Hexachloroethane
Concen: 48.950 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:117 Resp: 91050

Ion	Ratio	Lower	Upper
117	100		
201	69.7	35.2	105.6



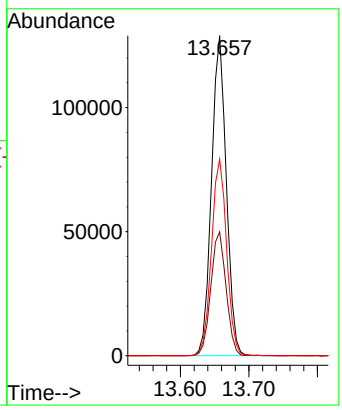


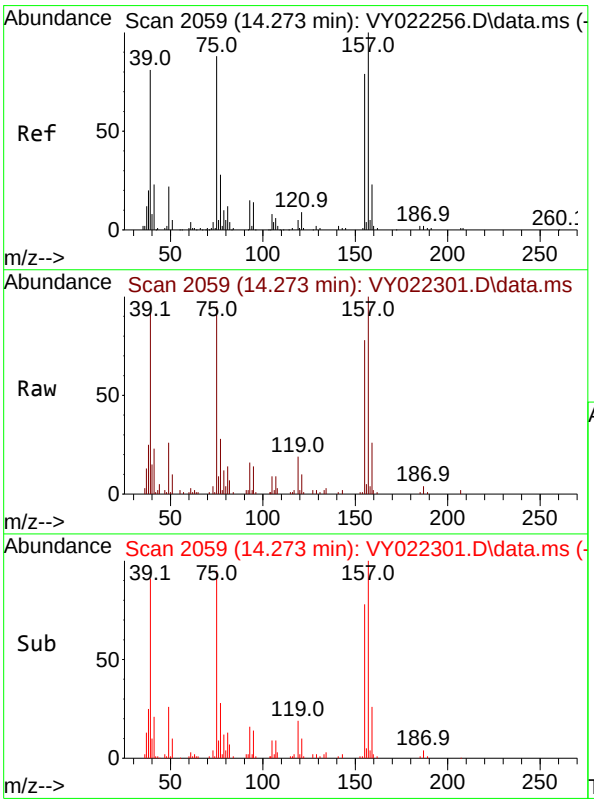
#91
1,2-Dichlorobenzene
Concen: 51.391 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 193609

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.5	61.5
148	62.9	32.0	96.0

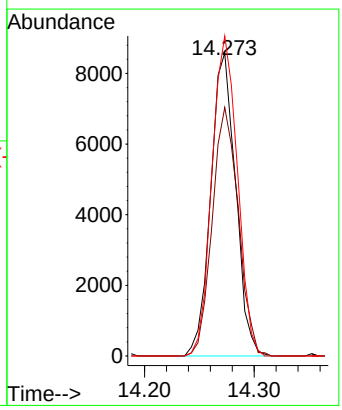


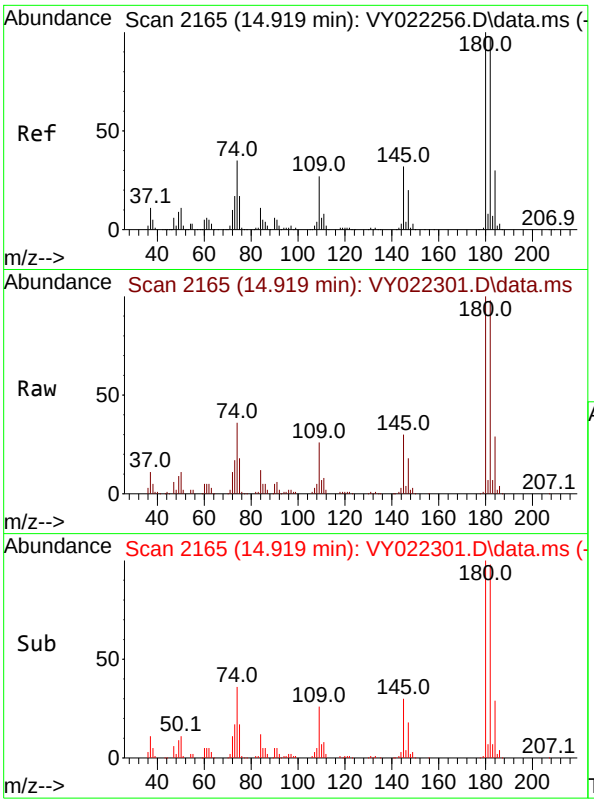


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.958 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion: 75 Resp: 13510

Ion	Ratio	Lower	Upper
75	100		
155	85.8	43.4	130.1
157	108.2	54.6	163.9



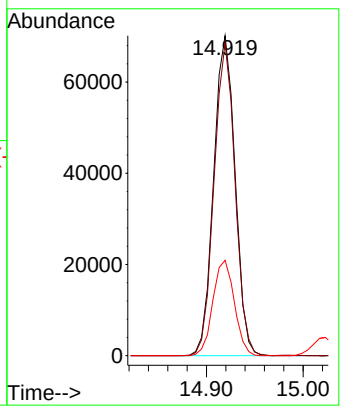


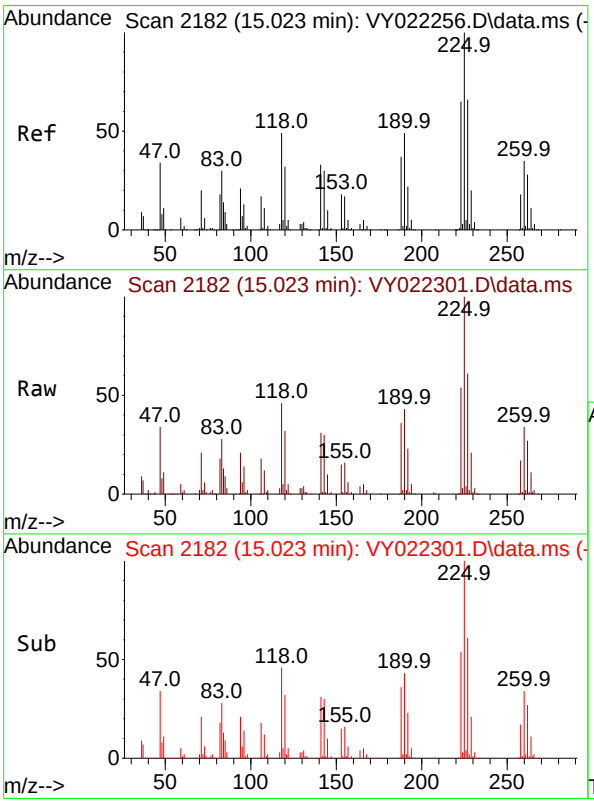
#93
1,2,4-Trichlorobenzene
Concen: 49.489 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 107697

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.9	15.0	45.1

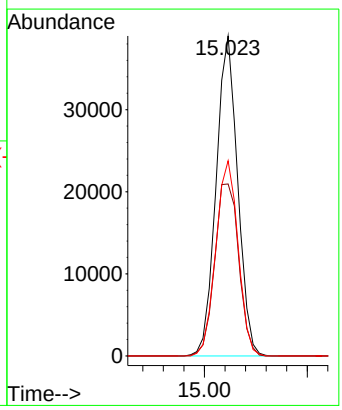


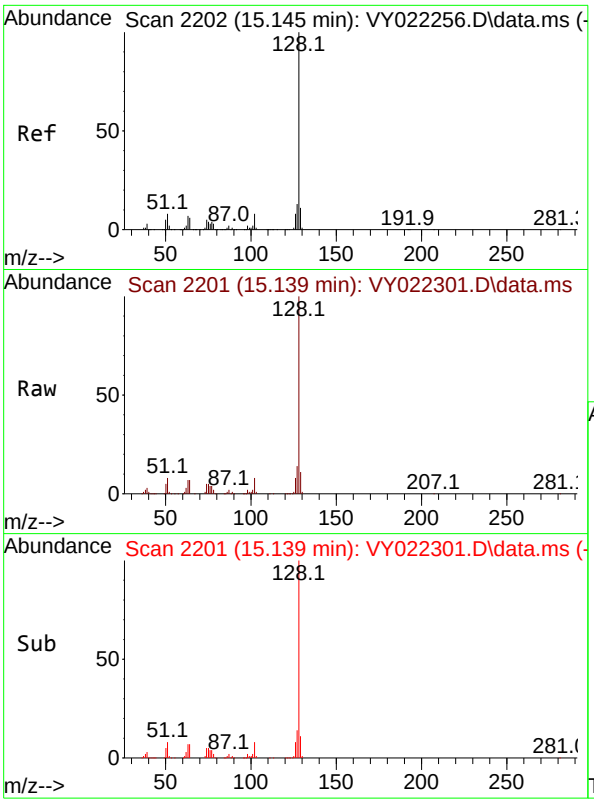


#94
Hexachlorobutadiene
Concen: 46.635 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:225 Resp: 56596

Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.5	94.5
227	63.1	32.1	96.3



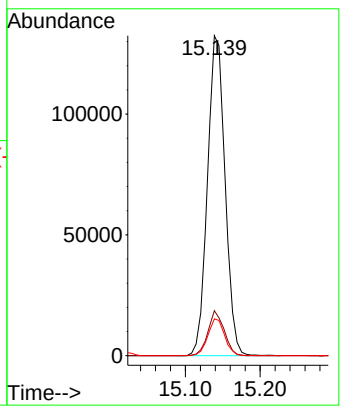


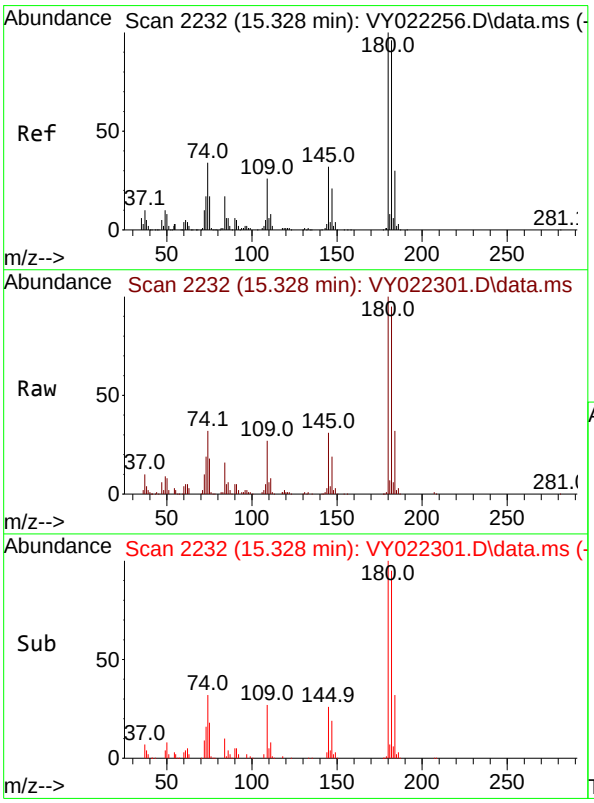
#95
Naphthalene
Concen: 52.582 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 217144

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 50.540 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022301.D
Acq: 16 May 2025 19:29

Tgt Ion:180 Resp: 93303

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	31.1	15.9	47.6